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济南大学 ESI 学科 分析报告

2008 年 1 月 1 日-2018 年 2 月 28 日

济南大学发展规划与学科建设处
济南大学图书馆

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前言

为了深入了解济南大学优势学科的发展情况，本报告基于 Web of Science 和 Incites 的客观数据，对济南大学进入全球机构前 1% 的学科及未进入前 1% 学科，但有高被引论文的学科做了分析，并与省内高校做了对比。由于 ESI 将所有科研成果以 22 类学科划分，这与我国《中华人民共和国学科分类与代码国家标准》（标准号“GB/T13745-92”）以及国务院学位委员会、教育部颁布的《学位授予和人才培养学科目录（2011 年）》等学科分类标准存在较大差异，所以，为了深入了解本机构具体哪些学科、哪些人、哪些期刊及文章对进入全球前 1% 的 ESI 学科做出贡献，报告将对其展开分析工作。（本报告中所有 ESI 数据均来源于 2018 年 5 月更新的内容。）

1 基础数据来源和统计方法

1.1 数据来源

报告数据主要来源于 Science Citation Index Expanded（科学引文索引，简称 SCIE）、Essential Science Indicators（基础科学指标，简称 ESI）等数据库。利用 InCites 数据库获取 ESI 数据库 22 个学科分类体系下 19000 多种 Web of Science 期刊，择取济南大学 2008 年 1 月 1 日-2018 年 2 月 28 日的 ESI 学科高被引论文进行统计分析，从而计算归纳出我校各学院及院系师生对相关 ESI 学科的贡献度。

1.2 相关介绍

Science Citation Index Expanded (科学引文索引, 简称 SCIE) 是美国科学情报研究所出版的一部国际性的检索性刊物, 它不仅是一部重要的检索工具书, 而且也是科学研究成果评价的一项重要依据。它已成为目前国际上最具权威性的、用于基础研究和应用基础研究成果的重要评价体系。它是评价一个国家、一个科学研究机构、一所高等学校、一本期刊, 乃至一个研究人员学术水平的重要指标之一。

Essential Science Indicators (基础科学指标, 简称 ESI) 是当今普遍用以评价大学和科研机构国际学术水平及影响的重要指标, 也是全球公认的判断学科发展水平的重要参照之一。ESI 对全球所有高校及科研机构的 SCIE、SSCI 库中近 10 年的论文数据进行统计, 按被引频次的高低确定出衡量研究绩效的阈值, 分别排出居世界前 1% 的研究机构、科学家、研究论文, 居世界前 50% 的国家/地区和居前 0.1% 的热点论文。ESI 针对 22 个专业领域, 通过论文数、论文被引频次、论文篇均被引频次、高被引论文、热点论文和前沿论文等 6 大指标, 从各个角度对国家/地区科研水平、机构学术声誉、科学家学术影响力以及期刊学术水平进行全面衡量。

ESI 学科分类是一种较为宽泛的学科分类模式, 基于期刊分类, 由自然科学与社会科学的 22 个学科构成, 艺术与人文期刊没有被包含在内。每一本期刊只被划分至 22 个 ESI 学科中的一个, 没有重叠的学科设置使得分析变得更为简单。

ESI 设置的 22 个学科为: 生物学与生物化学、化学、计算机科学、经济学与商学、工程学、地球科学、材料科学、数学、综合交叉学科、物理学、社会科学总论、空间科学、农业科学、临床医学、分子生物学与遗传学、神经系统学与行为

学、免疫学、精神病学与心理学、微生物学、环境科学与生态学、植物学与动物学、药理学和毒理学。

济南大学进入 ESI 前 1%学科的有 4 个，分别是化学、临床医学、材料科学和工程学；未进入前 1%学科但有高被引论文的有 6 个，分别是物理、生物和生物化学、数学、农业科学、计算机科学、**环境科学与生态学**，和 2018 年 1 月份和 3 月份统计结果对比，增加了环境科学与生态学。

2 总体排名情况

2018 年 5 月大陆高校 ESI 总体排名(按被引次数)情况如表-1 所示。可以看出排在前 10 位的高校分别是北京大学、中国科学院大学、清华大学、浙江大学、上海交通大学、复旦大学、南京大学、中国科学技术大学、中山大学和山东大学。我校按照 ESI 总被引频次在大陆高校排名第 82 位，省内高校第 4 位。

表-1 2018 年 5 月 ESI 学科总体排名

大陆高校排名	全球排名	机构	WOS 论文数	被引次数	篇均被引次数	高被引论文数
1	96	PEKING UNIV	63033	897276	14.24	1190
2	99	UNIV CHINESE ACAD SCI	77020	887013	11.52	921
3	113	TSING HUA UNIV	63573	839020	13.20	1352
4	120	ZHEJIANG UNIV	71189	811008	11.39	886
5	129	SHANGHAI JIAO TONG UNIV	70217	777565	11.07	833
6	165	FUDAN UNIV	48269	663404	13.74	729
7	212	NANJING UNIV	40977	541223	13.21	630
8	219	UNIV SCI & TECHNOL CHINA	37243	531160	14.26	797
9	220	SUN YAT SEN UNIV	43706	528864	12.10	571
10	280	SHANDONG UNIV	40940	414649	10.13	357
11	285	HUAZHONG UNIV SCI & TECHNOL	41859	409665	9.79	536
12	297	SICHUAN UNIV	42183	391980	9.29	341
13	304	JILIN UNIV	37793	379202	10.03	311

大陆 高校 排名	全球 排名	机构	WOS 论 文数	被引次数	篇均被 引次数	高被引 论文数
14	352	WUHAN UNIV	31028	338044	10.89	438
15	358	HARBIN INST TECHNOL	36698	332820	9.07	532
16	384	NANKAI UNIV	21044	318590	15.14	383
17	386	XIAN JIAOTONG UNIV	36416	315892	8.67	402
18	408	S CHINA UNIV TECHNOL	24412	291243	11.93	440
19	410	CENT S UNIV	33143	290575	8.77	374
20	419	DALIAN UNIV TECHNOL	26614	282759	10.62	292
21	420	SUZHOU UNIV	23588	282622	11.98	403
22	447	TONGJI UNIV	29060	262295	9.03	303
23	448	XIAMEN UNIV	21669	262155	12.10	372
24	466	SOUTHEAST UNIV	27249	255308	9.37	417
25	493	TIANJIN UNIV	26693	244112	9.15	309
26	499	LANZHOU UNIV	19578	239784	12.25	226
27	510	E CHINA UNIV SCI & TECHNOL	17475	235495	13.48	237
28	553	BEIJING NORMAL UNIV	19377	206934	10.68	276
29	587	CHINA AGR UNIV	18124	191597	10.57	193
30	640	HUNAN UNIV	15122	176236	11.65	304
31	647	CAPITAL MED UNIV	19705	174566	8.86	111
32	669	BEIHANG UNIV	22702	168317	7.41	272
33	696	E CHINA NORMAL UNIV	14440	159488	11.04	171
34	698	NANJING MED UNIV	15982	158219	9.90	125
35	713	CHINA UNIV GEOSCI	15907	153758	9.67	231
36	714	BEIJING INST TECHNOL	17469	153500	8.79	254
37	724	BEIJING UNIV CHEM TECHNOL	12016	150687	12.54	150
38	733	SECOND MIL MED UNIV	12035	148308	12.32	104
39	761	SHANGHAI UNIV	15470	141426	9.14	169
40	800	UNIV SCI & TECHNOL BEIJING	16458	133358	8.10	161
41	813	CHONGQING UNIV	17858	130759	7.32	177
42	822	FOURTH MIL MED UNIV	10825	128917	11.91	68
43	846	UNIV ELECT SCI & TECHNOL CHINA	18537	124470	6.71	231
44	857	ZHENGZHOU UNIV	16365	121929	7.45	111
45	863	NANJING AGR UNIV	12402	121286	9.78	117
46	865	WUHAN UNIV TECHNOL	9917	121189	12.22	233
47	893	FUZHOU UNIV	7943	116825	14.71	187
48	923	HUAZHONG AGR UNIV	10772	111911	10.39	117
49	953	NORTHWESTERN POLYTECH UNIV	16807	107305	6.38	190
50	976	OCEAN UNIV CHINA	11508	103870	9.03	89
51	978	NE NORMAL UNIV	7897	103469	13.10	94
52	983	CENT CHINA NORMAL UNIV	7084	102385	14.45	153
53	987	TIANJIN MED UNIV	9528	101903	10.70	64

大陆 高校 排名	全球 排名	机构	WOS 论 文数	被引次数	篇均被 引次数	高被引 论文数
54	999	NANJING UNIV SCI & TECHNOL	12225	100877	8.25	158
55	1001	JIANGSU UNIV	12386	100750	8.13	129
56	1004	JIANGNAN UNIV	11750	100295	8.54	125
57	1017	SOUTHWEST UNIV	11257	99320	8.82	118
58	1020	DONGHUA UNIV	8489	98781	11.64	142
59	1022	THIRD MIL MED UNIV	9390	98577	10.50	66
60	1033	NW A&F UNIV	12370	96668	7.81	101
61	1035	NANJING TECH UNIV	9417	96235	10.22	133
62	1045	SOUTHERN MED UNIV	11096	95221	8.58	63
63	1046	NANJING UNIV AERONAUT & ASTRONAUT	11988	94907	7.92	151
64	1049	CHINA MED UNIV	10729	94484	8.81	44
65	1054	HARBIN MED UNIV	9349	93974	10.05	53
66	1068	CHINA UNIV PETR	13777	93124	6.76	145
67	1082	NORTHEASTERN UNIV-CHINA	13413	90693	6.76	114
68	1118	JINAN UNIV	10908	86032	7.89	85
69	1137	NW UNIV XIAN	7640	83248	10.90	82
70	1161	S CHINA NORMAL UNIV	8931	80341	9.00	56
71	1194	UNIV TOWN SHENZHEN	7404	65015	8.78	72
72	1203	CHONGQING MED UNIV	8368	76108	9.10	31
73	1218	NANCHANG UNIV	9614	75277	7.83	64
74	1252	CHINA PHARMACEUT UNIV	7874	72891	9.26	42
75	1261	NANJING NORMAL UNIV	7840	71682	9.14	123
76	1262	WENZHOU MED UNIV	8877	71663	8.07	39
77	1281	ZHEJIANG UNIV TECHNOL	8657	70257	8.12	73
78	1295	XIDIAN UNIV	12368	68938	5.57	107
79	1315	BEIJING UNIV TECHNOL	9360	67490	7.21	69
80	1328	HARBIN ENGN UNIV	6747	66555	9.86	117
81	1331	YANGZHOU UNIV	7763	66202	8.53	96
82	1343	UNIV JINAN	7404	65015	8.78	70
83	1368	HEFEI UNIV TECHNOL	7613	62806	8.25	91
84	1378	CHINA UNIV MIN & TECHNOL	10587	62055	5.86	133
85	1393	QINGDAO UNIV	7780	61318	7.88	93
86	1406	SHENZHEN UNIV	8599	60223	7.00	118
87	1417	NATL UNIV DEF TECHNOL	11190	59651	5.33	52
88	1422	S CHINA AGR UNIV	7269	59318	8.16	57
89	1428	ANHUI MED UNIV	6560	58961	8.99	33
90	1431	BEIJING JIAOTONG UNIV	9748	58669	6.02	96
91	1458	SHAANXI NORMAL UNIV	7279	57035	7.84	57
92	1495	N CHINA ELECT POWER UNIV	7030	55005	7.82	117
93	1506	ZHEJIANG NORMAL UNIV	5423	54729	10.09	67

大陆 高校 排名	全球 排名	机构	WOS 论 文数	被引次数	篇均被 引次数	高被引 论文数
94	1512	XIANGTAN UNIV	5517	54472	9.87	67
95	1597	HANGZHOU NORMAL UNIV	4992	50354	10.09	64
96	1634	SW JIAOTONG UNIV	7826	48971	6.26	59
97	1646	NANJING UNIV POSTS TELECOM	4904	48206	9.83	102
98	1647	SHANXI UNIV	5965	48172	8.08	67
99	1650	NINGBO UNIV	6786	47996	7.07	48
100	1661	QINGDAO UNIV SCI & TECHNOL	4562	47691	10.45	31
101	1685	BEIJING FORESTRY UNIV	5977	47059	7.87	63
102	1689	SHENYANG PHARMACEUT UNIV	4840	46881	9.69	17
103	1696	GUANGZHOU MED UNIV	5947	46498	7.82	48
104	1702	SHANGHAI NORMAL UNIV	4347	46386	10.67	57
105	1740	NANJING UNIV INFORMAT SCI & TECHNOL	6941	44749	6.45	123
106	1741	BEIJING UNIV POSTS TELECOM	8535	44717	5.24	79
107	1742	YUNNAN UNIV	5500	44692	8.13	25
108	1743	HENAN NORMAL UNIV	5487	44680	8.14	52
109	1744	SHANTOU UNIV	3974	44644	11.23	40
110	1748	RENMIN UNIV CHINA	4945	44429	8.98	64
111	1762	ANHUI UNIV	5577	43855	7.86	50
112	1766	HENAN UNIV	5782	43813	7.58	26
113	1793	HOHAI UNIV	7968	42512	5.34	52
114	1802	HUNAN NORMAL UNIV	4808	42259	8.79	26
115	1821	ZHEJIANG SCI TECH UNIV	4426	41687	9.42	46
116	1872	NANTONG UNIV	5760	39893	6.93	23
117	1886	SHANDONG AGR UNIV	4475	39333	8.79	19
118	1898	GUANGXI UNIV	5803	38963	6.71	34
119	1917	CAPITAL NORMAL UNIV	5016	38076	7.59	33
120	1926	TAIYUAN UNIV TECHNOL	6288	37664	5.99	39
121	1936	ANHUI NORMAL UNIV	3271	37486	11.46	23
122	1937	YANSHAN UNIV	5909	37417	6.33	43
123	1942	DALIAN MED UNIV	4562	37336	8.18	20
124	1961	HEBEI MED UNIV	4741	36631	7.73	16
125	1987	KUNMING UNIV SCI & TECHNOL	6134	35616	5.81	32
126	2028	GUANGXI MED UNIV	4117	34255	8.32	20
127	2088	NE FORESTRY UNIV	4238	32961	7.78	21
128	2095	SICHUAN AGR UNIV	4887	32731	6.70	25
129	2116	HEILONGJIANG UNIV	2950	32136	10.89	38
130	2122	FUJIAN MED UNIV	4666	31939	6.85	9
131	2145	HUBEI UNIV	3580	31366	8.76	30
132	2150	GUANGDONG UNIV TECHNOL	4883	31290	6.41	78
133	2164	JIANGXI NORMAL UNIV	3558	30997	8.71	25

大陆 高校 排名	全球 排名	机构	WOS 论 文数	被引次数	篇均被 引次数	高被引 论文数
134	2168	NW NORMAL UNIV	4063	30928	7.61	25
135	2180	NANJING UNIV CHINESE MED	3914	30717	7.85	23
136	2182	WENZHOU UNIV	3223	30715	9.53	25
137	2225	HEBEI UNIV	4513	29641	6.57	16
138	2233	CHANGZHOU UNIV	3823	29574	7.74	30
139	2243	JIANGSU NORMAL UNIV	3709	29410	7.93	44
140	2287	UNIV SHANGHAI SCI TECHNOL	4830	28352	5.87	54
141	2290	SHANGHAI UNIV TCM	3621	28235	7.80	11
142	2313	TIANJIN POLYTECH UNIV	4342	27791	6.40	33
143	2334	FUJIAN NORMAL UNIV	3790	27460	7.25	31
144	2348	SHANDONG NORMAL UNIV	3906	27340	7.00	27
145	2368	HUAQIAO UNIV	3090	27023	8.75	24
146	2448	HEBEI NORMAL UNIV	3069	25572	8.33	9
147	2460	TIANJIN UNIV SCI & TECHNOL	3468	25424	7.33	17
148	2482	XINJIANG UNIV	3491	25150	7.20	22
149	2485	GUANGXI NORMAL UNIV	2884	25098	8.70	21
150	2518	CHINA JILIANG UNIV	3493	24463	7.00	28
151	2524	UNIV S CHINA	2624	24394	9.30	18
152	2525	NE AGR UNIV	3725	24390	6.55	23
153	2528	QUFU NORMAL UNIV	3270	24329	7.44	68
154	2545	GUIZHOU UNIV	3626	23950	6.61	45
155	2570	LIAOCHENG UNIV	2946	23432	7.95	16
156	2582	GUANGDONG MED UNIV	2642	23241	8.80	10
157	2589	ANHUI UNIV TECHNOL	2355	23133	9.82	36
158	2617	HEBEI UNIV TECHNOL	3574	22736	6.36	16
159	2640	N CHINA UNIV SCI	2188	22288	10.19	41
160	2647	S CENT UNIV NATIONALITIES	2235	22210	9.94	29
161	2653	HANGZHOU DIANZI UNIV	3750	22153	5.91	58
162	2660	QILU UNIV TECHNOL	3360	22022	6.55	13
163	2681	TIANJIN NORMAL UNIV	2441	21677	8.88	29
164	2701	HUNAN AGR UNIV	2596	21351	8.22	33
165	2720	SHANGHAI OCEAN UNIV	3002	20933	6.97	36
166	2762	ZHEJIANG AGR FORESTRY UNIV	2593	20327	7.84	43
167	2766	FUJIAN AGR & FORESTRY UNIV	3311	20276	6.12	26
168	2767	TIANJIN UNIV TECHNOL	2621	20270	7.73	27
169	2779	XUZHOU MED COLL	3049	20096	6.59	11
170	2787	BOHAI UNIV	2020	20036	9.92	74
171	2805	NANJING FORESTRY UNIV	3579	19842	5.54	24
172	2837	WUHAN UNIV SCI & TECHNOL	3245	19361	5.97	23
173	2844	DALIAN MARITIME UNIV	2575	19250	7.48	39

大陆 高校 排名	全球 排名	机构	WOS 论 文数	被引次数	篇均被 引次数	高被引 论文数
174	2860	KUNMING MED UNIV	2770	18927	6.83	11
175	2878	LANZHOU UNIV TECHNOL	2745	18690	6.81	35
176	2885	ZHEJIANG GONGSHANG UNIV	2566	18544	7.23	20
177	2897	LIAONING NORMAL UNIV	2660	18409	6.92	4
178	2937	HENAN POLYTECH UNIV	3274	17895	5.47	20
179	2949	BEIJING UNIV CHINESE MED	3147	17776	5.65	8
180	2956	NANCHANG HANGKONG UNIV	2059	17681	8.59	15
181	2981	GUANGZHOU UNIV CHINESE MED	2771	17408	6.28	8
182	2983	QINGDAO AGRI UNIV	2247	17387	7.74	13
183	3019	CHANGSHA UNIV SCI & TECHNOL	2738	17052	6.23	13
184	3026	HARBIN NORMAL UNIV	1854	16928	9.13	14
185	3061	HENAN UNIV TECHNOL	2060	16548	8.03	16
186	3073	SHANXI MED UNIV	2237	16473	7.36	7
187	3074	LIAONING UNIV	2073	16464	7.94	13
188	3111	YANBIAN UNIV	2212	16032	7.25	3
189	3113	CHENGDU UNIV TECHNOL	2784	16027	5.76	10
190	3119	HENAN AGR UNIV	2248	15925	7.08	7
191	3122	CHANGAN UNIV	3186	15822	4.97	24
192	3126	SHANDONG UNIV SCI & TECHNOL	3210	15780	4.92	66
193	3183	GUANGDONG PHARMACEUT UNIV	2057	15184	7.38	12
194	3238	HUAIBEI NORMAL UNIV	1320	14687	11.13	20
195	3244	SW PETR UNIV	3348	14652	4.38	44
196	3257	HEBEI AGR UNIV	1771	14507	8.19	10
197	3274	JIANGSU UNIV SCI & TECHNOL	2537	14400	5.68	25
198	3328	NINGXIA MED UNIV	1688	13775	8.16	10
199	3329	SHAANXI UNIV SCI & TECHNOL	2351	13762	5.85	8
200	3363	LUOYANG NORMAL UNIV	1859	13539	7.28	7
201	3368	XIAN UNIV ARCHITECTURE & TECHOL	2309	13510	5.85	10
202	3397	XIAN UNIV TECHNOL	2977	13232	4.44	15
203	3420	PLA UNIV SCI TECHNOL	2819	12905	4.58	22
204	3436	XINJIANG MED UNIV	2374	12705	5.35	8
205	3455	ANHUI AGR UNIV	2181	12479	5.72	6
206	3483	HEBEI UNIV SCI & TECHNOL	1594	12079	7.58	13
207	3556	LIAONING UNIV TECH	821	11525	14.04	70
208	3556	ZHEJIANG CHINESE MED UNIV	1830	11525	6.30	6
209	3579	XINXIANG MED UNIV	2167	11349	5.24	5
210	3664	TIANJIN UNIV TRADIT CHINESE MED	1589	10641	6.70	5
211	3775	SHANGHAI MARITIME UNIV	1798	9932	5.52	23
212	3782	HUAWEI TECHNOL	1494	9889	6.62	37
213	3788	YUNNAN AGR UNIV	1398	9841	7.04	9

大陆 高校 排名	全球 排名	机构	WOS 论 文数	被引次数	篇均被 引次数	高被引 论文数
214	3819	FUJIAN UNIV TRADIT CHINESE MED	1053	9688	9.20	3
215	3918	SHENYANG AEROSPACE UNIV	1117	9002	8.06	7
216	3924	SHENYANG AGR UNIV	1806	8978	4.97	8
217	3929	INNER MONGOLIA AGR UNIV	1358	8967	6.60	7
218	3975	SOUTHWEST MED UNIV	1444	8692	6.02	9
219	4018	JINZHOU MEDICAL UNIV	1376	8409	6.11	7
220	4040	BINZHOU MED UNIV	1560	8255	5.29	2
221	4045	TAISHAN MED UNIV	1468	8206	5.59	6
222	4165	HAINAN MED UNIV	949	7445	7.85	3
223	4175	NORTHEAST PETR UNIV	1243	7400	5.95	22
224	4322	XIAN MED UNIV	1158	6586	5.69	5
225	4327	AIR FORCE ENGN UNIV	1843	6558	3.56	3
226	4335	HUBEI UNIV MED	1237	6547	5.29	7
227	4341	WUHAN NAVAL UNIV ENG	1015	6508	6.41	5
228	4351	BENGBU MED COLL	1009	6430	6.37	2
229	4374	INNER MONGOLIA MED UNIV	1040	6315	6.07	4
230	4527	NORTH SICHUAN MED UNIV	793	5526	6.97	4

3 山东省 ESI 学科情况

3.1 山东省 ESI 学科及高质量论文对比

在 2018 年 5 月 11 日的统计数据中（2018 年 5 月份更新数据），山东省共有 15 所高校共计 53 个学科进入了 ESI 全球前 1%。具体情况如表-2 所示。

表-2 2018 年 5 月山东省 ESI 学科概况

序号	高校名称	ESI 学科数量	高被引论文数量	热点论文数量
1	山东大学	15	357	10
2	中国海洋大学	9	89	3
3	青岛大学	5	93	8

序号	高校名称	ESI 学科数量	高被引论文数量	热点论文数量
4	中国石油大学	4	145	8
5	济南大学	4	70	3
6	青岛科技大学	3	31	2
7	曲阜师范大学	2	68	6
8	山东农业大学	2	19	1
9	齐鲁工业大学	2	13	3
10	青岛农业大学	2	13	0
11	山东科技大学	1	66	27
12	山东师范大学	1	27	3
13	聊城大学	1	16	0
14	泰山医学院	1	6	1
15	滨州医学院	1	2	0

3.2 山东省 ESI 学科全球排名情况

在 2018 年 5 月 11 日的统计数据中（2018 年 5 月份更新数据），山东省共有 15 所高校涵盖 17 个学科进入了 ESI 全球前 1%，按照 ESI 总被引频次，各高校具体学科全球排名具体情况如表-3 所示。（数据来源于 ESI）

表-3 2018 年 5 月山东省 ESI 学科全球排名情况

	山东大学	中国海洋大学	中国石油大学	青岛科技大学	青岛大学	青岛农业大学	济南大学	山东农业大学	山东师范大学	聊城大学	曲阜师范大学	山东科技大学	滨州医学院	齐鲁工业大学	泰山医学院
农业科学		358				691		251							
生物及生物化学	255	735													
化学	86	731	392	410	826		489		803	889	1037			1081	
临床医学	454				1351		1442						3256		3858
计算机科学	259														
经济学与商学															
工程学	123	773	186	1048	693		963				755	1014		1270	
环境学及生态学	574	433													
地学		248	329												
免疫学	514														
材料科学	84	545	295	553	706		486								
数学	73														
微生物学															
分子生物学与遗传学	496														
综合学科															
神经科学与行为科学	561				772										
药理学与毒理学	121	575													
物理学	227														
植物与动物科学	749	325				1091		316							
心理学与精神病学															
一般社会科学	906														
空间科学															

4 济南大学 ESI 学科现状分析

为了加强整体学科规划与发展,挖掘我校有潜力进入 ESI 的学科也是十分必要的。济南大学从 2008 年 1 月 1 日-2018 年 2 月 28 日,科研高产出的学科分布在化学、临床医学、材料科学、物理学、工程学、生物学与生物化学等学科,如图-1 所示。(数据来源于 Incites)

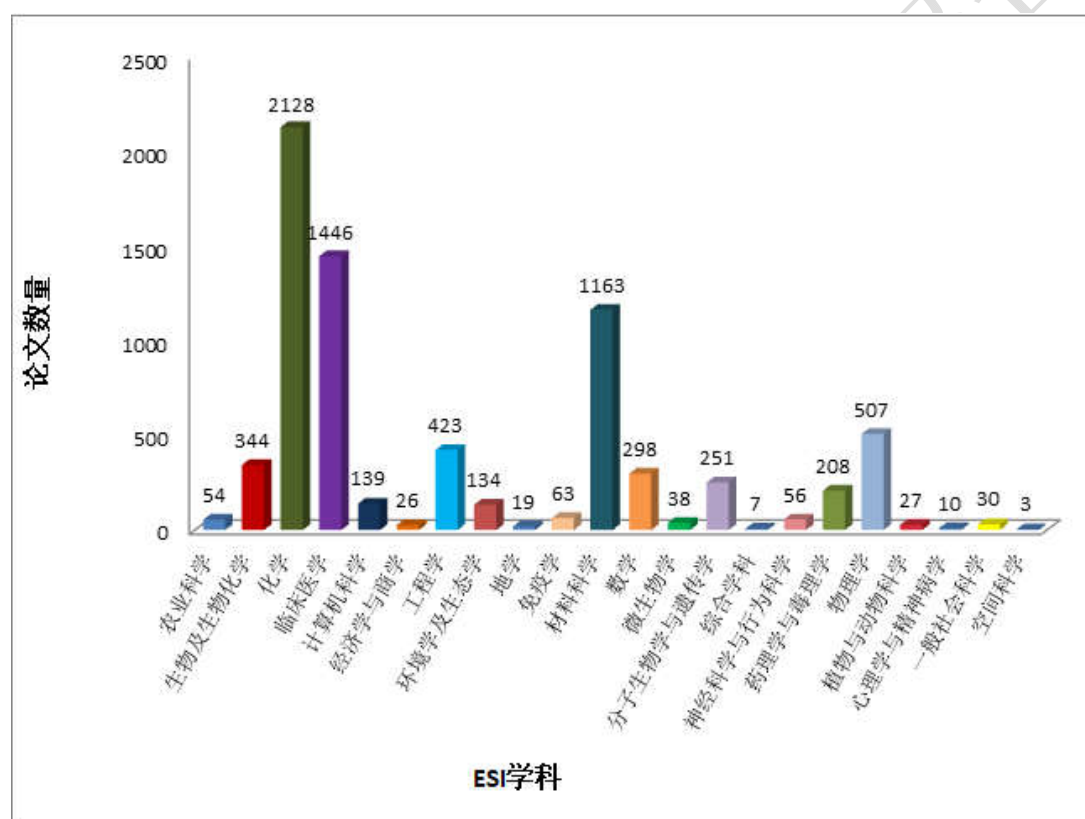


图-1 济南大学各学科科研产出(2008.1.1-2018.2.28)

被引频次直接反应了各个学科在全球范围内的影响力,可以看到济南大学在化学、临床医学、材料科学、物理学、生物与生物化学、工程学等学科有一定的影响力,如图-2 所示。(数据来源于 Incites)

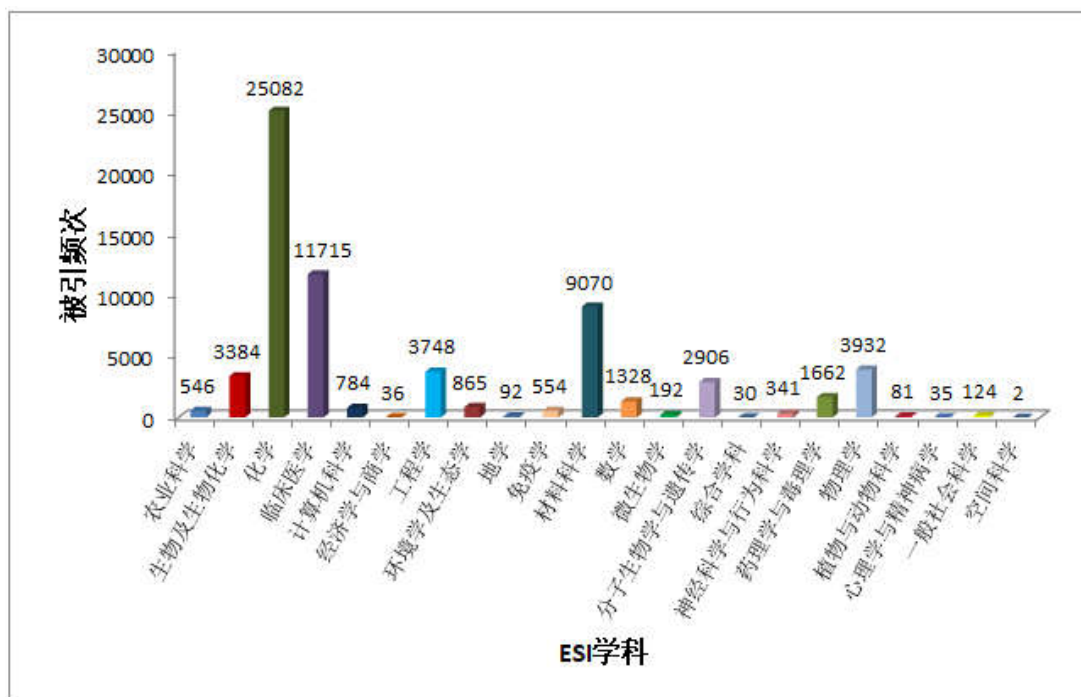


图-2 济南大学各学科论文总被引频次(2008.1.1-2018.2.28)

5 济南大学 ESI 预测趋势

为了挖掘我校有潜力进入 ESI 的学科,报告选取了济南大学各学科的总被引频次和门槛值¹并做了比对分析,如图-3 所示。比值越接近 1 说明越有可能进入全球前 1%。可以看到除已经进入全球前 1%的临床医学、化学、材料科学、工程学外,其他学科离阈值还相差很远。(数据来源于 Incites)

¹门槛值,即在各 ESI 学科中,最后一个进入该学科的机构的总被引频次。

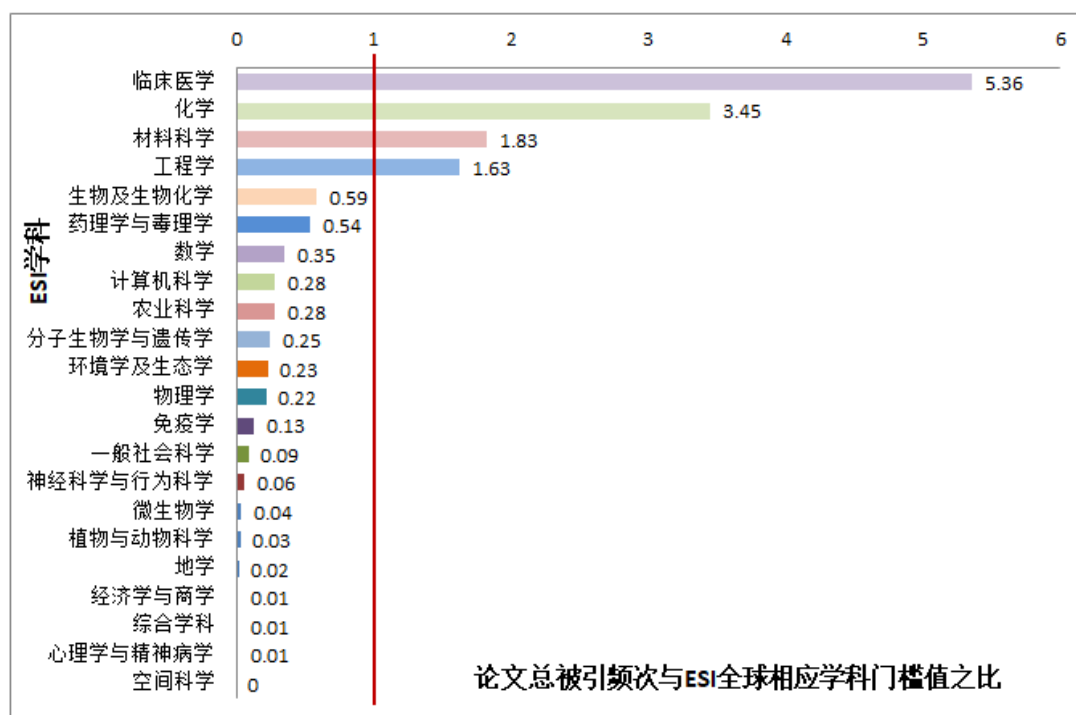


图-3 济南大学 ESI 学科趋势预测

6 济南大学 ESI 高质量论文概况

ESI 高质量论文 (Top Papers) 包括两种，即高频被引论文 (Highly Cited Papers) 和热点论文 (Hot Papers)。高频被引论文指近十年发表的被 SCI 或 SSCI 收录的 Article , Review ,其总被引频次在相应学科处在全球范围内的前**百分之一**；热点论文指近两年发表的被 SCI 或 SSCI 收录的 Article 和 Review ,其总被引频次在近两个月处在相应学科全球范围内的前**千分之一**。

根据 ESI 2018 年 5 月 11 日 (2018 年 5 月份更新数据) 统计结果，我校共有 70 篇论文成为高频被引论文 (包含医学与生命科学学院及附属医院)，分布在化学、临床医学、材料科学、工程学、物理学、生物与生物化学、数学、农业科学、计算机科学、**环境科学与生态学**这 10 个学科。其中被引频次最高的是我校 Xin Ying 和张昭良以济南大学为第 2 单位参与的 2013 年发表在 ENERGY &

ENVIRONMENTAL SCIENCE 上的论文 “Synthesis of functionalized 3D hierarchical porous carbon for high-performance supercapacitors” ,在 Web of Science 中总被引用 387 次 ;其次是医学与生命科学学院张福仁老师于 2009 年发表在 *NEW ENGLAND JOURNAL OF MEDICINE* 上的论文 “Genomewide association study of leprosy” , 在 Web of Science 中总被引用 340 次。

7 济南大学 ESI 高被引论文总体情况

截至到 2018 年 5 月 11 日 (2018 年 5 月份更新数据) , 我校高被引论文共 70 篇 , 如图-4 所示。

Report View by Selection					Customize
Total: 5	Research Fields	Web of Science Documents	Cites	Cites/Paper	Highly Cited Papers
1	CHEMISTRY	2,128	24,538	11.53	16
2	CLINICAL MEDICINE	1,456	11,780	8.09	10
3	MATERIALS SCIENCE	1,171	8,840	7.55	9
4	ENGINEERING	424	3,495	8.24	18
0	ALL FIELDS	7,404	65,015	8.78	70

图-4 济南大学高被引论文

7.1 高被引论文学科分布

我校 70 篇高被引论文中 , 进入全球前 1% 学科的共有 53 篇 , 分别是 Chemistry (化学) 16 篇 , Clinical Medicine (临床医学) 10 篇 , Materials Science (材料科学) 9 篇 , Engineering (工程学) 18 篇 (有 1 篇非济南大学文章) ; 其他未进入全球前 1% 学科的高被引论文共 17 篇 , 分别是 Physics (物理学) 6 篇 , Biology & Biochemistry (生物与生物化学) 4 篇 , Mathematics (数学) 2 篇 , Agriculture Sciences (农业科学) 2 篇 (有 1 篇非济南大学文

章) , Computer Science (计算机科学) 2 篇 , Environment/Ecology (环境科学与生态学) 1 篇。如图-5 所示。

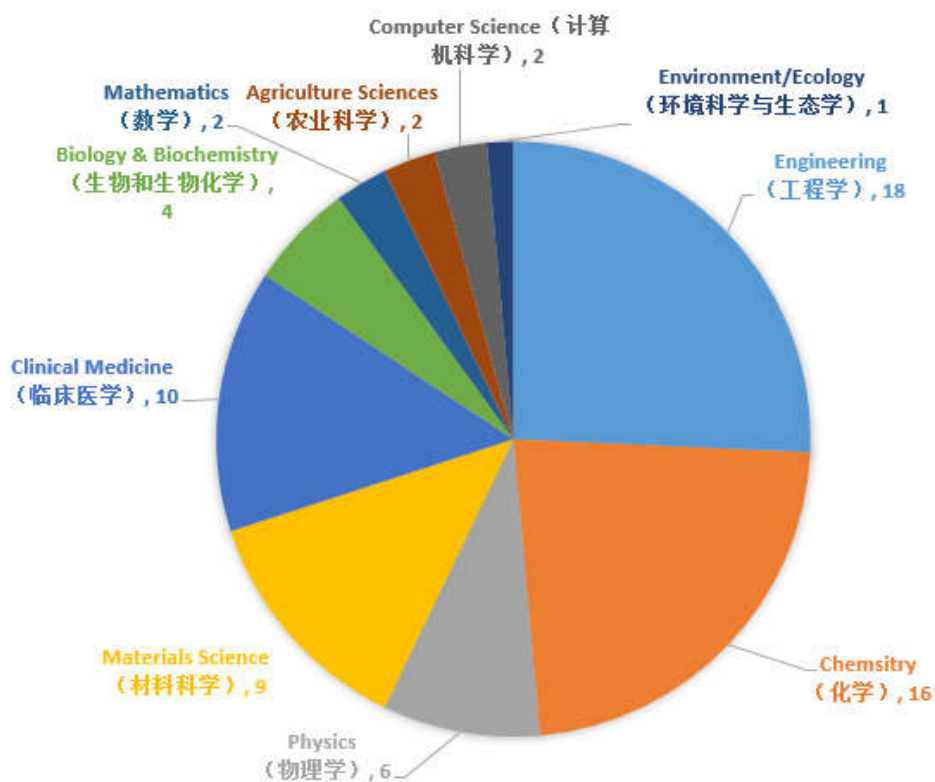


图-5 高被引论文学科分布

7.2 高被引论文学院分布

总起来说, 70 篇论文 (去掉 2 篇非济南大学论文) 即 68 篇高被引论文分布在 11 个学院 (研究院) , 其中化学化工学院 19 篇、医学与生命科学学院 12 篇、水利与环境学院 10 篇、物理科学与技术学院 7 篇、光功能与成像研究院 6 篇、材料科学与工程学院 5 篇、信息科学与工程学院 3 篇、数学科学学院 2 篇、商学院 2 篇、外国语学院 1 篇、自动化与控制学院 1 篇。如表-4 所示。各学院所占百分比如图-6 所示。

表-4 高被引论文学院分布

序号	学院名称	高被引论文数
1	化学化工学院	19
2	医学与生命科学学院	12
3	水利与环境学院	10
4	物理科学与技术学院	7
5	光功能材料与成像研究院	6
6	材料科学与工程学院	5
7	信息科学与工程学院	3
8	数学科学学院	2
9	商学院	2
10	外国语学院	1
11	自动化与控制学院	1
12	其他	2

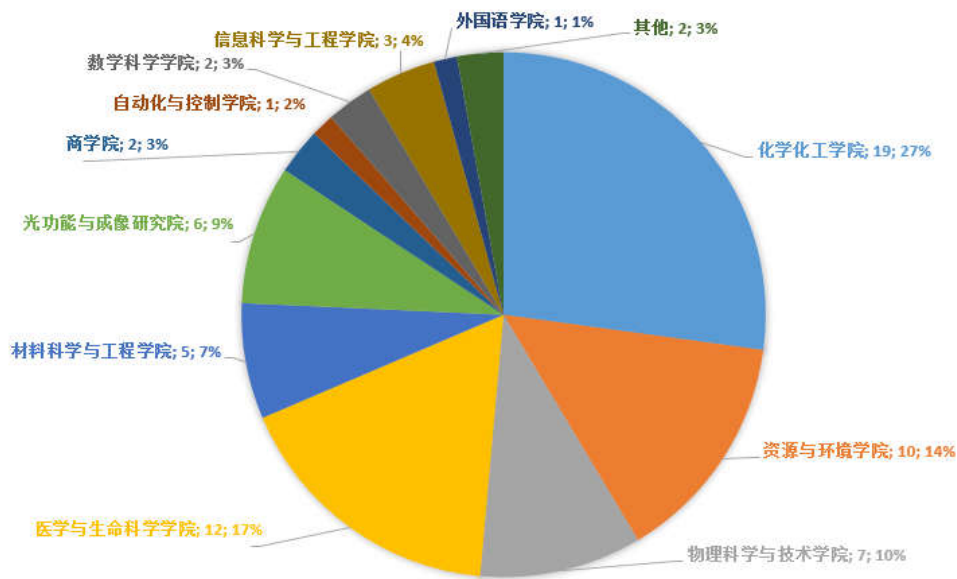


图-6 高被引论文学院分布

7.3 高被引论文学院贡献度

对学科与学院的契合程度分析，临床医学、物理以及数学的高被引论文来源相对比较集中，主要来自于我校对应学院作者。化学 16 篇高被引论文来自 3 个

学院(研究院), 材料科学 9 篇高被引论文分布在 3 个学院, 工程学 18 篇高被引论文来自水利与环境学院、化学化工学院和材料科学与工程学院等 7 个学院, 生物和生物化学 4 篇高被引论文来自化学化工学院和医学与生命科学学院。各学院贡献度如表-5 和图-7 所示。

表-5 高被引论文学院贡献度

	化学	材料科学	工程	临床医学	生物和生物化学	数学	物理	农业科学	计算机科学	环境与生态学
化学化工学院	8	4	2		2		2			1
水利与环境学院			9					1		
物理科学与技术学院		2	1				4			
医学与生命科学学院				10	2					
光功能材料与成像研究院	6									
材料科学与工程学院	2	3								
数学科学学院						2				
商学院			2							
信息科学与工程学院			1						2	
外国语学院			1							
自动化与电气工程学院			1							
其他			1					1		

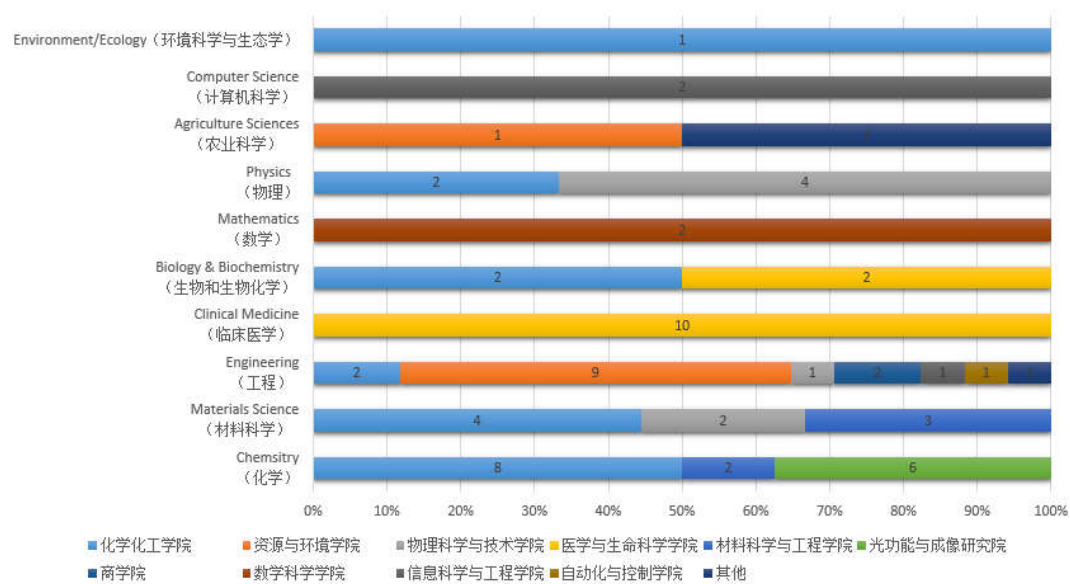


图-7 高被引论文学院贡献度

7.4 高被引论文作者情况统计

从通讯作者单位和第 1 作者单位均为济南大学角度统计（有 1 篇通讯作者是校外），我校共有 44 篇高被引论文，论文来自 21 位通讯作者，数量较多的是林伟英团队、杜斌团队和于京华团队，如表-6 所示。

表-6 高被引论文作者分布情况

学院	论文篇数	通讯作者	论文篇数	第 1 作者	论文篇数
化学化工学院	14	罗川南	3	Fan Lulu	2
				Li Leilei	1
		于京华	5	Wang shoumei	1
				Ge Lei	1
				Zhang Yan	1
				葛慎光	1
				Xu Jinmeng	1
		徐彩霞	1	徐彩霞	1
		魏琴	1	Ren Xiang	1
		吴丹	3	Li Xiaojian	2
				Wang Xueping	1
		张昭良	1	Li Ping	1
水利与环境学院	10	杜斌	5	Cui Limei	1
				闫良国	1
				Xin Xiaodong	1
				Guo Xiaoyao	1
				魏东	1
		孙蒙	1	Chen Guodong	1
		国伟林	1	Su Shengnan	1
		闫良国	2	Shan Ranran	2
		杨丽原	1	Wang Yunqian	1

学院	论文篇数	通讯作者	论文篇数	第 1 作者	论文篇数
物理科学与技术学院	6	张昌文	3	Zhang Runwu	1
				Zhao Hui	1
				Wang Yaping	1
		徐锡金	2	Zhang Shouwei	1
				He Weidong	1
		徐锡金 (第二)	1	Zhang Shouwei	1
光功能材料与成像研究院	6	林伟英	6	Tang Yonghe	2
				Chen Hua (湖南大学)	2
				董宝利	1
				何隆薇	1
数学科学学院	1	孙书荣	1	Zhao Yige	1
材料科学与工程学院	2	曹丙强	1	Qiu Xiaofeng	1
		赵松方	1	赵松方	1
信息科学与工程学院	2	校外	1	牛四杰	1
		杨波	1	王琳	1
医学与生命科学学院	3	张福仁	1	张福仁	1
		邢立刚	1	Meng Xianjiao	1
		于金明	1	Wang Xin	1

7.5 高被引论文对比变化情况

和我校 ESI 高被引论文 2018 年 1 月份更新数据相比较,通讯作者单位和第 1 作者单位均为济南大学的高被引论文中,新增 4 篇,挤出 5 篇,其他均保持高被引态势,如表-7 所示。

表-7 高被引论文对比变化情况

学院	学科	题名	来源	出版年	通讯作者	第一作者	2017年5月份数据更新被引数据	2017年7月份	2017年7月份	2017年11月	2018年1月份	2018年3月份	2018年5月份
化学化工学院	MATERIALS SCIENCE (材料科学)	THREE-DIMENSIONAL PAPER-BASED ELECTROCHEMILUMINESCENCE IMMUNODEVICE FOR MULTIPLEXED MEASUREMENT OF BIOMARKERS AND POINT-OF-CARE TESTING	BIOMATERIALS 33 (4): 1024-1031 FEB	2012	于京华	Ge Lei	177	182	184	186	191	195	203
		In-situ synthesized polypyrrole-cellulose conductive networks for potential tunable foldable power paper	NANO ENERGY, 2019 : 31 : 174-182	2017		Zhang Yan		3	6	13	17	21	25
	CHEMISTRY (化学)	PAPER-BASED CHEMILUMINESCENCE ELISA: LAB-ON-PAPER BASED ON CHITOSAN MODIFIED PAPER DEVICE AND WAX-SCREEN-PRINTING	BIOSENS BIOELECTRON 31 (1): 212-218 JAN 15	2012		Wang Shoumei	130	137	140	144	152	153	164
		A molecularly imprinted polypyrrole for ultrasensitive voltammetric determination of glyphosate	MICROCHIMICA ACTA 卷: 184 期: 7 页: 1959-1967	2017		Xu, Jinmeng							26
	PHYSICS (物理学)	Nanomaterials-modified cellulose paper as a platform for biosensing applications	NANOSCALE 卷: 9 期: 13 页: 4366-4382	2017		葛慎光						10	15
	ENGINEERING (工程学)	FABRICATION OF NOVEL MAGNETIC CHITOSAN GRAFTED WITH GRAPHENE OXIDE TO ENHANCE ADSORPTION PROPERTIES FOR METHYL BLUE	J HAZARD MATER 215: 272-279 MAY 15	2012	罗川南	Fan Lulu	173	180	187	192	199	209	218
	BIOLOGY & BIOCHEMISTRY (生物和生物化学)	HIGHLY SELECTIVE ADSORPTION OF LEAD IONS BY WATER-DISPERSIBLE MAGNETIC CHITOSAN/GRAPHENE OXIDE COMPOSITES	COLLOID SURFACE B 103: 523-529 MAR 1	2013		Fan Lulu	108	116	120	121	123	128	133
		ADSORBENT FOR CHROMIUM REMOVAL BASED ON GRAPHENE OXIDE FUNCTIONALIZED WITH MAGNETIC CYCLODEXTRIN-CHITOSAN	COLLOID SURFACE B 107: 76-83 JUL 1	2013		Li Leilei	91	94	98	100	101	111	118
	ENGINEERING (工程学)	NANOPOROUS PDCU ALLOY FOR FORMIC ACID ELECTRO-OXIDATION	J POWER SOURCES 199: 124-131 FEB 1	2012	徐彩霞	徐彩霞	85						
		NANOPOROUS PTCO AND PTNI ALLOY RIBBONS FOR METHANOL ELECTROOXIDATION	INT J HYDROGEN ENERG 37 (14): 10489-10498 JUL	2012			60	64	67	68	70	72	72
	CHEMISTRY (化学)	A highly sensitive and stable electrochemical sensor for simultaneous detection towards ascorbic acid, dopamine, and uric acid based on the hierarchical nanoporous PtTi alloy	BIOSENSORS & BIOELECTRONICS 卷: 82 页: 119-126	2016		Zhao Dianyun						34	

学院	学科	题名	来源	出版年	通讯作者	第一作者	2017年5月份数据更新被引数据	2017年7月份	2017年7月份	2017年11月	2018年1月份	2018年3月份	2018年5月份
化学化工学院		ULTRASENSITIVE ELECTROCHEMICAL IMMUNOASSAY FOR CEA THROUGH HOST-GUEST INTERACTION OF BETA-CYCLODEXTRIN FUNCTIONALIZED GRAPHENE AND CU@AG CORE-SHELL NANOPARTICLES WITH ADAMANTINE-MODIFIED ANTIBODY	BIOSENS BIOELECTRON 63: 465-471 JAN 15 2015	2015	魏琴	Gao jian	38	43					
	MATERIALS SCIENCE (材料科学)	Cobalt-borate nanowire array as a high-performance catalyst for oxygen evolution reaction in near-neutral media	JOURNAL OF MATERIALS CHEMISTRY A 卷: 5 期: 16 页: 7291-7294	2017	魏琴	Ren Xiang				5	7	10	19
	Environment/Ecology (环境学与生态学)	Ce-Ti Amorphous Oxides for Selective Catalytic Reduction of NO with NH3: Confirmation of Ce-O-Ti Active Sites	ENVIRONMENTAL SCIENCE & TECHNOLOGY 卷: 46 期: 17 页: 9600-9605	2012	张昭良	李平			104	108			127
	CHEMISTRY (化学)	A novel ECL biosensor for the detection of concanavalin A based on glucose functionalized NiCo2S4 nanoparticles-grown on carboxylic graphene as quenching probe	BIOSENSORS & BIOELECTRONICS 卷: 96 页: 113-120	2017	吴丹	Li Xiaojian						11	17
		Using reduced graphene oxide-CaCdSe nanocomposite to enhance photoelectrochemical activity of gold nanoparticles functionalized tungsten oxide for highly sensitive prostate specific antigen detection	BIOSENSORS & BIOELECTRONICS 卷: 96 页: 239-245	2017	吴丹	Wang, Xueping							15
		A sensitive electrochemiluminescence immunosensor based on Ru(bpy)3(2+) in 3D CuNi oxalate as luminophores and graphene oxide-polyethylenimine as released Ru(bpy)3(2+) initiator	BIOSENSORS & BIOELECTRONICS 卷: 89 页: 1020-1025 子辑: 2	2017	吴丹	Li, Xiaojian							14
水利与环境学院	ENGINEERING (工程学)	ADSORPTION OF PHOSPHATE FROM AQUEOUS SOLUTION BY HYDROXY-ALUMINUM, HYDROXY-IRON AND HYDROXY-IRON-ALUMINUM PILLARED BENTONITES	J HAZARD MATER 179 (1-3): 244-250 JUL 15 2010	2010	杜斌	闫良国	105	108	113	118	121	126	127
		HIGHLY EFFICIENT REMOVAL OF HEAVY METAL IONS BY AMINE-FUNCTIONALIZED MESOPOROUS FE3O4 NANOPARTICLES	CHEM ENG J 184: 132-140 MAR 1 2012	2012	杜斌	Xin Xiaodong	95	97	103	107	110	115	123
		Synthesis of amino functionalized magnetic graphenes composite material and its application to remove Cr(VI), Pb(II), Hg(II), Cd(II) and Ni(II) from contaminated water	JOURNAL OF HAZARDOUS MATERIALS 卷: 278 页: 211-220	2014	杜斌	Guo Xiaoyao	74	81	89	94	106	114	126

学院	学科	题名	来源	出版年	通讯作者	第一作者	2017年5月份数据更新被引数据	2017年7月份	2017年7月份	2017年11月	2018年1月份	2018年3月份	2018年5月份
水利与环境学院	ENGINEERING (工程学)	EDTA FUNCTIONALIZED MAGNETIC GRAPHENE OXIDE FOR REMOVAL OF PB(II), HG(II) AND CU(II) IN WATER TREATMENT: ADSORPTION MECHANISM AND SEPARATION PROPERTY	CHEM ENG J 281: 1-10 DEC 1 2015	2015	杜斌	Cui Limei	41	47	54	61	71	81	93
		Extracellular polymeric substances for Zn (II) binding during its sorption process onto aerobic granular sludge	JOURNAL OF HAZARDOUS MATERIALS 卷: 301 页: 407-415	2016	魏东		8	11	12	15	17	24	29
		AG3PO4/GRAPHENE-OXIDE COMPOSITE WITH REMARKABLY ENHANCED VISIBLE-LIGHT-DRIVEN PHOTOCATALYTIC ACTIVITY TOWARD DYES IN WATER	J HAZARD MATER 244: 86-93 JAN 15 2013	2013	孙蒙	Chen Guodong	86	87	91	93	95	99	106
		HETEROGENEOUS ACTIVATION OF OXONE BY COXFE3-XO4 NANOCATALYSTS FOR DEGRADATION OF RHODAMINE B	J HAZARD MATER 244: 736-742 JAN 15 2013	2013	国伟林	Su Shengnan	56	59	61	66	73	78	85
		Magnetic Fe3O4/MgAl-LDH composite for effective removal of three red dyes from aqueous solution	CHEMICAL ENGINEERING JOURNAL 卷: 252 页: 38-46	2014	闫良国	Shan Ranran	37	43	46	48	51	56	60
		Adsorption of Cd(II) by Mg-Al-CO3-and magnetic Fe3O4/Mg-Al-CO3-layered double hydroxides: Kinetic, isothermal, thermodynamic and mechanistic studies	JOURNAL OF HAZARDOUS MATERIALS 卷: 299 页: 42-49, 2015	2015	闫良国	Shan Ranran		25	27	30	36	42	51
	Agricultural Sciences (农业科学)	Spatial distribution, ecological risk assessment and source identification for heavy metals in surface sediments from Dongping Lake, Shandong, East China	CATENA 卷: 125 页: 200-205	2015	杨丽原	Wang Yuanqian			21	24	27	28	33
物理科学与技术学院	PHYSICS (物理学)	Ethynyl-functionalized stanene film: a promising candidate as large-gap quantum spin Hall insulator	NEW JOURNAL OF PHYSICS 卷: 17	2015	张昌文	Zhang Runwu	30	36	47	52	54	59	64
		UNEXPECTED GIANT-GAP QUANTUM SPIN HALL INSULATOR IN CHEMICALLY DECORATED PLUMBENE MONOLAYER	SCI REP 6: - FEB 2 2016	2016	张昌文	Zhao Hui	22	32	43	45	45	46	55
		FUNCTIONALIZED THALLIUM ANTIMONY FILMS AS EXCELLENT CANDIDATES FOR LARGE-GAP QUANTUM SPIN HALL INSULATOR	SCI REP 6: - FEB 17 2016	2016	张昌文	Zhang Runwu	13	16	24	26	26	28	
		Large-gap quantum spin Hall state in functionalized dumbbell stanene	APPLIED PHYSICS LETTERS 卷: 108 期: 7 2016	2016	张昌文	Wang Yaping		21	29	31	31	31	

学院	学科	题名	来源	出版年	通讯作者	第一作者	2017年5月份数据更新被引数据	2017年7月份	2017年7月份	2017年11月	2018年1月份	2018年3月份	2018年5月份
物理科学与技术学院	PHYSICS (物理学)	Controllable band structure and topological phase transition in two-dimensional hydrogenated arsenene	SCI REP 6: - FEB 3 2016	2016		Wang, Yaping	15	19	25	29	32	33	36
		ROOM TEMPERATURE QUANTUM SPIN HALL INSULATOR IN ETHYNYL-DERIVATIVE FUNCTIONALIZED STANENE FILMS	SCI REP 6: - JAN 5 2016	2016		Zhang Runwu	11						
	MATERIALS SCIENCES (材料科学)	New family of room temperature quantum spin Hall insulators in two-dimensional germanene films	JOURNAL OF MATERIALS CHEMISTRY C 卷: 4 期: 10 页: 2088-2094			Zhang Runwu	12	18	25	26	30		
		Formation of Fe3O4@MnO2 ball-in-ball hollow spheres as a high performance catalyst with enhanced catalytic performances	JOURNAL OF MATERIALS CHEMISTRY A 卷: 4 期: 4 页: 1414-1422	2016	徐锡金	Zhang ShouWei	22	24	31	38	41	47	54
		Flexible and high energy density asymmetrical supercapacitors based on core/shell conducting polymer nanowires/manganese dioxide nanoflakes	NANO ENERGY 卷: 35 页: 242-250	2017		He Weidong						16	23
	ENGINEERING (工程学)	Rice husks as a sustainable silica source for hierarchical flower-like metal silicate architectures assembled into ultrathin nanosheets for adsorption and catalysis	JOURNAL OF HAZARDOUS MATERIALS 卷: 321 页: 92-102	2017	徐锡金第二	Zhang ShouWei			4	8	9	15	18
数学科学学院	MATHEMATICS (数学)	POSITIVE SOLUTIONS FOR BOUNDARY VALUE PROBLEMS OF NONLINEAR FRACTIONAL DIFFERENTIAL EQUATIONS	APPL MATH COMPUT 217 (16): 6950-6958 APR 15 2011	2011	孙书荣	Zhao Yige	54	54	55	55	55	55	55
		Positive Solutions to Boundary Value Problems of Nonlinear Fractional Differential Equations	ABSTRACT AND APPLIED ANALYSIS 文献号: 390543	2011		Zhao Yige	40			45	46	47	
光功能材料学院	CHEMISTRY (化学)	DEVELOPMENT OF FLUORESCENT PROBES BASED ON PROTECTION-DEPROTECTION OF THE KEY FUNCTIONAL GROUPS FOR BIOLOGICAL IMAGING	CHEM SOC REV 44 (15): 5003-5015 2015	2015		Tang Yongke	54	67	74	84	94	103	110
		Single near-infrared fluorescent probe with high- and low-sensitivity sites for sensing different concentration ranges of biological thiols with distinct modes of fluorescence signals	CHEMICAL SCIENCE, 2016, 7(3): 1896-1903	2016	林伟英	Chen Hua	16	19	26	30	34	39	44
		Development of a Two-Photon Fluorescent Probe for Imaging of Endogenous Formaldehyde in Living Tissues	ANGEWANDTE CHEMIE-INTERNATIONAL EDITION, 2016, 55(10): 3356-3359	2016		Tang Yongke	13	25	36	41	49	57	65

学院	学科	题名	来源	出版年	通讯作者	第一作者	2017年5月份数据更新被引数据	2017年7月份	2017年7月份	2017年11月	2018年1月份	2018年3月份	2018年5月份
成像研究院		Dual Site-Controlled and Lysosome-Targeted Intramolecular Charge Transfer-Photoinduced Electron Transfer-Fluorescence Resonance Energy Transfer Fluorescent Probe for Monitoring pH Changes in Living Cells	ANALYTICAL CHEMISTRY 卷: 88 期: 7 页: 4085-4091	2016	林伟英	Dong Baoli	12	18	23	29	32	40	48
		A Unique "Integration" Strategy for the Rational Design of Optically Tunable Near-Infrared Fluorophores	ACCOUNTS OF CHEMICAL RESEARCH 卷: 50 期: 6 页: 1410-1422	2017		Chen Hua (湖南大学)					8	14	21
		Fluorescent chemosensors manipulated by dual/triple interplaying sensing mechanisms	CHEMICAL SOCIETY REVIEWS 卷: 45 期: 23 页: 6449-6461	2016		何隆薇						38	50
材料科学与工程学院	ENGINEERING (工程学)	A hierarchically porous MgFe ₂ O ₄ /gamma-Fe ₂ O ₃ magnetic microspheres for efficient removals of dye and pharmaceutical from water	CHEMICAL ENGINEERING JOURNAL 卷: 283 页: 524-534	2016	李嘉	LU LU	7	9	12	14	16	18	
	MATERIALS SCIENCES (材料科学)	Near room-temperature triethylamine sensor constructed with CuO/ZnO P-N heterostructural nanorods directly on flat electrode	SENSORS AND ACTUATORS B-CHEMICAL 卷: 225 页: 16-23、	2016		Xu Qii							
		From unstable CsSnI ₃ to air-stable Cs ₂ SnI ₆ : A lead-free perovskite solar cell light absorber with bandgap of 1.48 eV and high absorption coefficient	SOLAR ENERGY MATERIALS AND SOLAR CELLS 2017 年, 卷: 159 页: 227-234	2017		Qiu Xiaofeng		3	8	15	17	19	23
		Recent Advancements in Flexible and Stretchable Electrodes for Electromechanical Sensors: Strategies, Materials, and Features	ACS APPLIED MATERIALS & INTERFACES 卷: 9 期: 14 页: 12147-12164	2017		赵松方						11	18
商学院	Economics & Business (经济学与商学)	The Effect of Parental Absence on Child Development in Rural China	ASIAN ECONOMIC POLICY REVIEW 2017 年, 卷: 12 期: 1 页: 117-134 2017	2017	校外	Wu Jia		3	3	3			
信息科学与工程学院	ENGINEERING (工程)	Robust noise region-based active contour model via local similarity factor for image segmentation	PATTERN RECOGNITION 卷: 61 页: 104-119 特刊: SI	2016	校外	牛四杰			3	4	6	9	12
	Computer Science (计算机科学)	Improving Neural-Network Classifiers Using Nearest Neighbor Partitioning	IEEE TRANSACTIONS ON NEURAL NETWORKS AND LEARNING SYSTEMS 卷: 28 期: 10 页: 2255-2267	2017		王琳					6	6	9

学院	学科	题名	来源	出版年	通讯作者	第一作者	2017年5月份数据更新被引数据	2017年7月份	2017年7月份	2017年11月	2018年1月份	2018年3月份	2018年5月份
医学与生命科学学院	Clinical Medicine (临床医学)	GENOMEWIDE ASSOCIATION STUDY OF LEPROSY	N ENGL J MED 361 (27): 2609-2618 DEC 31 2009	2009	张福仁	张福仁	310	319	321	327	330	337	340
		The Association of HMGB1 Expression with Clinicopathological Significance and Prognosis in Hepatocellular Carcinoma: A Meta-Analysis and Literature Review	PLOS ONE 卷: 9 期: 10	2014	盛修贵	Zhang Lu			59	66	75		
		Predictive biomarkers in PD-1/PD-L1 checkpoint blockade immunotherapy	CANCER TREATMENT REVIEWS 卷: 41 期: 10 页: 868-876	2015	邢立刚	Meng Xiaojiao	29	38	46	52	62	67	78
		PD-L1 expression in human cancers and its association with clinical outcomes	ONCOTARGETS AND THERAPY 卷: 9 页: 5023-5039	2016	于金明	Wang Xin				20	32	39	50

8 济南大学高被引论文详细情况

8.1 详细数据统计表

各学科高被引论文数量及学院分布、作者情况如表-8 所示。

表-8 各学科高被引论文数量及分布学院、作者情况

类别	学科	高被引论文篇数	论文编号	高被引次数	所属学院	通讯作者第1单位	通讯作者第2单位	通讯作者第4单位	非通讯第1单位	非通讯第2单位	非通讯第3单位	非通讯第4单位	非通讯第5单位	非通讯第7单位	非通讯第9单位	非通讯第13单位	非通讯第14单位	非通讯第16单位
	CHEMISTRY (化学)	16	1	387	化学化工学院					√								
			2	272	化学化工学院					√								
			3	214	材料科学与工程学院					√								
			4	164	化学化工学院	√												
			5	110	光功能材料与成像研究院	√												
			6	65	光功能材料与成像研究院	√												
			7	50	光功能材料与成像研究院	√												
			8	48	光功能材料与成像研究院	√												

类别	学科	高被引 论文篇数	论文 编号	高被 引次 数	所属学院	通 讯 作 者 第1 单 位	通 讯 第2 单 位	通 讯 第4 单 位	非 通 讯 第1 单 位	非 通 讯 第2 单 位	非 通 讯 第3 单 位	非 通 讯 第4 单 位	非 通 讯 第5 单 位	非 通 讯 第7 单 位	非 通 讯 第9 单 位	非 通 讯 第13 单 位	非 通 讯 第14 单 位	非 通 讯 第16 单 位
进入 全球 前1% 学科	CHEMISTRY (化学)		9	44	光功能材料与成像研究院	√												
			10	26	化学化工学院	√												
			11	21	光功能材料与成像研究院	√												
			12	17	化学化工学院	√												
			13	16	化学化工学院						√							
			14	15	材料科学与工程学院						√							
			15	15	化学化工学院	√												
			16	14	化学化工学院	√												
	Clinical Medicine (临床医 学)	10	1	340	医学与生命科学学院	√												
			2	278	医学与生命科学学院											√		
			3	154	医学与生命科学学院												√	
			4	149	医学与生命科学学院										√			
			5	115	医学与生命科学学院													√
			6	78	医学与生命科学学院-肿瘤医院	√												
			7	55	医学与生命科学学院		√											
			8	50	医学与生命科学学院	√												
			9	45	医学与生命科学学院		√											
			10	29	医学与生命科学学院		√											
	Materials Science (材料科 学)	9	1	203	化学化工学院	√												
			2	147	材料科学与工程学院					√								
			3	131	化学化工学院					√								
			4	54	物理科学与技术学院	√												
			5	25	化学化工学院	√					√							
			6	23	物理科学与技术学院	√												
			7	23	材料科学与工程学院	√												
			8	19	化学化工学院	√												
			9	18	材料科学与工程学院	√												
	Engineering (工程学)	18	1	218	化学化工学院	√												
			2	127	水利与环境学院	√												
			3	126	水利与环境学院	√												
			4	123	水利与环境学院	√												
			5	106	水利与环境学院	√												
			6	93	水利与环境学院	√												
			7	91	商学院						√							
			8	85	水利与环境学院	√												

类别	学科	高被引论文篇数	论文编号	高被引次数	所属学院	通讯作者第1单位	通讯第2单位	通讯第4单位	非通讯第1单位	非通讯第2单位	非通讯第3单位	非通讯第4单位	非通讯第5单位	非通讯第7单位	非通讯第9单位	非通讯第13单位	非通讯第14单位	非通讯第16单位
进入全球前1%学科	Engineering (工程学)	18	9	84	商学院			√										
			10	72	化学化工学院	√												
			11	60	水利与环境学院	√												
			12	53	自动化与控制学院									√				
			13	51	水利与环境学院	√												
			14	29	水利与环境学院	√												
			15	23	非济南大学文章													
			16	20	外国语学院					√								
			17	18	物理科学与技术学院	√												
			18	12	信息科学与工程学院				√									
未进入全球前1%学科	Physics (物理学)	6	1	85	物理科学与技术学院					√								
			2	79	化学化工学院									√				
			3	64	物理科学与技术学院	√												
			4	55	物理科学与技术学院	√												
			5	36	物理科学与技术学院	√												
			6	15	化学化工学院	√												
	Biology & Biochemistry (生物和生物化学)	4	1	181	医学与生命科学学院-肿瘤医院							√						
			2	133	化学化工学院	√												
			3	118	化学化工学院	√												
			4	102	医学与生命科学学院						√							
	Mathematics (数学)	2	1	55	数学科学学院	√												
			3	50	数学科学学院					√								
	Agriculture Sciences (农业科学)	2	1	71	非济南大学文章													
			2	33	水利与环境学院	√												
	Computer Science (计算机科学)	2	1	9	信息科学与工程学院	√												
			2	3	信息科学与工程学院								√					
	Environment/Ecology (环境与生态学)	1	1	127	化学化工学院	√												

8.2 济南大学前 1%学科现状分析

8.2.1 化学学科现状分析

化学学科 2018 年 5 月大陆高校 ESI 排名如表-8 所示。可以看出排在前 10 位的高校分别是中国科学院大学、浙江大学、清华大学、南京大学、北京大学、中国科学技术大学、吉林大学、南开大学、复旦大学和华东理工大学。在表-8 中,排名第 1 位的中国科学院大学至排名第 128 位的渤海大学,其化学学科都进入了 ESI 的前 1%行列。我校的化学学科按照 ESI 总被引频次在大陆高校排名第 52 位,省内高校第 4 位。

表-8 化学学科大陆高校排名

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
1	University of Chinese Academy of Sciences, CAS	18988	1.36	312504	84.42	1984
2	Zhejiang University	12470	1.2	211418	86.37	2132
3	Tsinghua University	10406	1.53	207704	86.24	1907
4	Nanjing University	9443	1.41	177772	88.26	1629
5	Peking University	8601	1.47	175952	88.01	1812
6	University of Science & Technology of China	8735	1.6	175306	85.37	1781
7	Jilin University	11643	1.05	157313	83.41	1687
8	Nankai University	7571	1.48	152651	88.19	936
9	Fudan University	7174	1.45	150624	88.33	1429
10	East China University of Science & Technology	8675	1.23	141783	86.54	1674
11	Dalian University of Technology	6296	1.31	113242	85.5	1420
12	Sichuan University	9701	0.95	110482	82.89	1110
13	Xiamen University	5856	1.44	108447	86.42	1373
14	South China University of Technology	6862	1.34	103205	84.1	1234
15	Wuhan University	5109	1.5	98825	87.55	757
16	Sun Yat Sen University	5221	1.51	98299	87.49	867

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
17	Shandong University	7458	1.04	97201	84.35	1174
18	Suzhou University	5711	1.43	92100	86.69	1206
19	Tianjin University	7364	1.08	90892	81.45	1183
20	Lanzhou University	5221	1.38	90741	88.22	496
21	Shanghai Jiao Tong University	6057	1.15	90284	85.24	1298
22	Beijing University of Chemical Technology	6508	1.08	83542	85.16	980
23	Hunan University	4279	1.64	77809	87.61	628
24	Fuzhou University	3540	1.62	70653	83.98	426
25	East China Normal University	3478	1.38	61289	87.9	657
26	Harbin Institute of Technology	4971	1.09	60410	81.75	1066
27	Northeast Normal University - China	3575	1.18	60013	86.71	294
28	Huazhong University of Science & Technology	4057	1.36	58953	83.53	922
29	Wuhan University of Technology	2030	2.14	50879	82.27	676
30	Beijing Institute of Technology	4201	0.99	50618	81	702
31	Southeast University - China	4231	1.05	49373	79.11	602
32	Nanjing Tech University	4243	1.01	46226	79.07	714
33	Xi'an Jiaotong University	3793	1.09	45788	79.7	889
34	Central China Normal University	1997	1.55	42235	87.28	304
35	Tongji University	3057	1.14	42069	83.91	546
36	Central South University	4004	1.01	41218	82.14	630
37	Shanghai University	2982	1.21	39971	81.89	553
38	Zhengzhou University	3733	0.93	38524	80.63	402
39	Southwest University - China	2926	1.15	37571	84.21	281
40	Donghua University	2606	1.11	36334	83.84	585
41	University of Science & Technology Beijing	2752	1.15	34349	81.14	547
42	Nanjing University of Science & Technology	3002	1.02	33475	80.61	382
43	Northwest University Xi'an	2896	0.93	32794	83.94	370
44	Beijing Normal University	2590	1	32033	83.86	558
45	Jiangsu University	2830	1.23	31230	81.52	387
46	China University of Petroleum	3398	0.9	31164	76.52	612
47	Qingdao University of Science & Technology	2601	0.92	30153	81.39	200

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
48	Zhejiang University of Technology	3284	0.82	30105	78.93	416
49	Beihang University	2150	1.21	29815	79.91	399
50	Jiangnan University	2987	0.89	27942	80.58	530
51	Chongqing University	2683	1.08	25621	75.92	489
52	University of Jinan	2128	1.35	25082	81.95	199
53	China Pharmaceutical University	2717	0.83	24441	83.77	325
54	South China Normal University	2097	0.89	23472	83.93	442
55	Anhui Normal University	1320	1.31	23445	87.73	92
56	Shaanxi Normal University	2248	0.97	22139	82.3	276
57	Harbin Engineering University	1121	1.35	21897	81.36	174
58	Xiangtan University	1832	1.03	21718	84.06	234
59	Nanjing University of Posts & Telecommunications	989	1.56	20144	81.4	151
60	Zhejiang Normal University	1468	1.18	19946	82.9	193
61	Yangzhou University	1706	1.05	19656	81.77	243
62	Henan Normal University	1770	0.94	19644	82.71	202
63	Nanjing Normal University	1223	1.33	19480	84.46	152
64	China Agricultural University	2156	0.68	19373	76.95	336
65	Nanchang University	1841	0.95	18556	81.21	289
66	Henan University	1866	0.81	18175	82.32	174
67	Zhejiang Sci-Tech University	1305	1.18	17250	82.3	295
68	Wenzhou University	1141	1.1	17168	84.31	151
69	Jiangxi Normal University	1305	1.17	17148	81.99	116
70	Beijing University of Technology	1364	1.12	16783	79.91	230
71	China University of Geosciences	1607	1.1	16726	79.03	375
72	Hefei University of Technology	1584	1.01	16720	78.85	240
73	Heilongjiang University	1334	1.16	16540	79.39	169
74	Northwestern Polytechnical University	1808	1.02	16488	79.48	344
75	Shanxi University	1580	1.01	16436	78.8	240
76	Jinan University	1734	0.86	16321	80.91	216
77	Northeastern University - China	1655	0.84	16208	77.4	295
78	Ocean University of China	1668	0.84	15460	82.13	225
79	Nanjing University of Aeronautics & Astronautics	1046	1.2	15321	80.88	219
80	Hunan Normal University	1078	1.14	15254	85.16	122
81	Shanghai Normal University	857	1.37	15055	86.7	120

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
82	Changzhou University	1586	1.03	14739	77.81	171
83	Northwest Normal University - China	1595	0.88	14676	81.25	87
84	Hangzhou Normal University	1132	0.99	14535	83.75	169
85	Anhui University	1325	1	13140	77.21	143
86	Shandong Normal University	1181	1.08	12766	78.92	115
87	Hubei University	1084	1.17	12753	84.32	242
88	Qingdao University	1086	1.12	12563	78.64	281
89	Guangxi Normal University	1163	0.84	12554	80.48	102
90	Jiangsu Normal University	1181	1.03	12406	79	138
91	Hebei University	1565	0.63	11771	76.55	82
92	Huaqiao University	786	1.22	11695	83.33	71
93	Shenyang Pharmaceutical University	1637	0.61	11587	81.43	217
94	Taiyuan University of Technology	1696	0.8	11521	75.83	260
95	Liaocheng University	1396	0.63	11315	79.01	79
96	Tianjin Normal University	900	0.97	11296	81	45
97	Huazhong Agricultural University	944	1	11270	81.67	137
98	Tianjin Polytechnic University	1350	0.8	10850	77.33	148
99	South Central University for Nationalities	825	1.18	10849	83.15	115
100	Yunnan University	1027	0.85	10811	79.75	93
101	Renmin University of China	708	1.34	10619	85.88	124
102	Northwest A&F University - China	1192	0.77	9700	79.11	245
103	China University of Mining & Technology	1453	0.72	9652	73.92	289
104	University of Electronic Science & Technology of China	1260	0.93	9624	73.81	309
105	Capital Normal University	1114	0.94	9582	76.3	91
106	Northeast Forestry University - China	914	0.85	9287	80.63	155
107	Ningbo University	1265	0.84	9272	77.71	145
108	Guizhou University	1148	0.78	9026	76.48	236
109	Qufu Normal University	936	1.45	8760	79.06	109
110	Fujian Normal University	967	0.91	8690	77.15	98
111	Second Military Medical University	937	0.7	8640	83.88	106

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
112	Luoyang Normal University	1081	0.58	8597	63.46	56
113	Liaoning Normal University	1045	0.56	8537	80.77	55
114	Wenzhou Medical University	564	1.25	8529	80.67	98
115	Hebei Normal University	805	0.78	8408	79.25	81
116	Hebei University of Technology	1069	0.72	8294	76.8	147
117	Qilu University of Technology	1160	0.74	8285	73.97	164
118	Huaibei Normal University	520	1.42	8282	81.15	22
119	South China Agricultural University	876	0.88	8015	78.77	135
120	Xinjiang University	978	0.72	7931	76.79	99
121	Liaoning University	910	0.72	7828	80.44	97
122	Beijing Forestry University	823	1.05	7819	78.49	143
123	Tianjin University of Technology	798	1.01	7713	78.07	107
124	Tianjin University Science & Technology	1009	0.72	7703	78.49	174
125	Yanshan University	903	1.07	7575	75.86	155
126	Anhui University of Technology	679	0.89	7552	81.74	56
127	China Jiliang University	651	0.77	7491	74.35	156
128	Bohai University	742	0.82	7459	84.1	57

我校化学学科共有 16 篇高被引论文，如图 -8 所示：

1	SYNTHESIS OF FUNCTIONALIZED 3D HIERARCHICAL POROUS CARBON FOR HIGH-PERFORMANCE SUPERCAPACITORS	Times Cited: 387
	By: QIE, L; CHEN, WM; XU, HH; et.al Source: ENERGY ENVIRON SCI 6 (8): 2497-2504 AUG 2013 Research Fields: CHEMISTRY	
2	HIGH-PERFORMANCE BI-FUNCTIONAL ELECTROCATALYSTS OF 3D CRUMPLED GRAPHENE-COBALT OXIDE NANOHYBRIDS FOR OXYGEN REDUCTION AND EVOLUTION REACTIONS	Times Cited: 272
	By: MAO, S; WEN, ZH; HUANG, TZ; et.al Source: ENERGY ENVIRON SCI 7 (2): 609-616 FEB 2014 Research Fields: CHEMISTRY	
3	GENERALIZED FABRICATION OF NANOPOROUS METALS (AU, PD, PT, AG, AND CU) THROUGH CHEMICAL DEALLOYING	Times Cited: 214
	By: ZHANG, ZH; WANG, Y; QI, Z; et.al Source: J PHYS CHEM C 113 (29): 12629-12636 JUL 23 2009 Research Fields: CHEMISTRY	
4	PAPER-BASED CHEMILUMINESCENCE ELISA: LAB-ON-PAPER BASED ON CHITOSAN MODIFIED PAPER DEVICE AND WAX-SCREEN-PRINTING	Times Cited: 164
	By: WANG, SM; GE, L; SONG, XR; et.al Source: BIOSENS BIOELECTRON 31 (1): 212-218 JAN 15 2012 Research Fields: CHEMISTRY	

5	DEVELOPMENT OF FLUORESCENT PROBES BASED ON PROTECTION-DEPROTECTION OF THE KEY FUNCTIONAL GROUPS FOR BIOLOGICAL IMAGING	Times Cited: 110
	By: TANG, YH; LEE, DY; WANG, JL; et.al Source: CHEM SOC REV 44 (15): 5003-5015 2015 Research Fields: CHEMISTRY	
6	DEVELOPMENT OF A TWO-PHOTON FLUORESCENT PROBE FOR IMAGING OF ENDOGENOUS FORMALDEHYDE IN LIVING TISSUES	Times Cited: 65
	By: TANG, YH; KONG, XQ; XU, A; et.al Source: ANGEW CHEM INT ED 55 (10): 3356-3359 MAR 1 2016 Research Fields: CHEMISTRY	
7	FLUORESCENT CHEMOSENSORS MANIPULATED BY DUAL/TRIPLE INTERPLAYING SENSING MECHANISMS	Times Cited: 50  Research Front
	By: HE, LW; DONG, BL; LIU, Y; et.al Source: CHEM SOC REV 45 (23): 6449-6461 2016 Research Fields: CHEMISTRY	
8	DUAL SITE-CONTROLLED AND LYSOSOME-TARGETED INTRAMOLECULAR CHARGE TRANSFER- PHOTOINDUCED ELECTRON TRANSFER-FLUORESCENCE RESONANCE ENERGY TRANSFER FLUORESCENT PROBE FOR MONITORING PH CHANGES IN LIVING CELLS	Times Cited: 48  Research Front
	By: DONG, BL; SONG, XZ; WANG, C; et.al Source: ANAL CHEM 88 (7): 4085-4091 APR 5 2016 Research Fields: CHEMISTRY	
9	SINGLE NEAR-INFRARED FLUORESCENT PROBE WITH HIGH- AND LOW-SENSITIVITY SITES FOR SENSING DIFFERENT CONCENTRATION RANGES OF BIOLOGICAL THIOLS WITH DISTINCT MODES OF FLUORESCENCE SIGNALS	Times Cited: 44  Research Front
	By: CHEN, H; TANG, YH; REN, MG; et.al Source: CHEM SCI 7 (3): 1896-1903 2016 Research Fields: CHEMISTRY	
10	A MOLECULARLY IMPRINTED POLYPYRROLE FOR ULTRASENSITIVE VOLTAMMETRIC DETERMINATION OF GLYPHOSATE	Times Cited: 26  Research Front
	By: XU, JM; ZHANG, Y; WU, KQ; et.al Source: MICROCHIM ACTA 184 (7): 1959-1967 JUL 2017 Research Fields: CHEMISTRY	
11	A UNIQUE INTEGRATION STRATEGY FOR THE RATIONAL DESIGN OF OPTICALLY TUNABLE NEAR-INFRARED FLUOROPHORES	Times Cited: 21  Research Front
	By: CHEN, H; DONG, BL; TANG, YH; et.al Source: ACCOUNT CHEM RES 50 (6): 1410-1422 JUN 2017 Research Fields: CHEMISTRY	
12	A NOVEL ECL BIOSENSOR FOR THE DETECTION OF CONCAVALIN A BASED ON GLUCOSE FUNCTIONALIZED NiO₂S₄ NANOPARTICLES-GROWN ON CARBOXYLIC GRAPHENE AS QUENCHING PROBE	Times Cited: 17  Research Front
	By: LI, XJ; WANG, YG; SHI, L; et.al Source: BIOSENS BIOELECTRON 96: 113-120 OCT 15 2017 Research Fields: CHEMISTRY	
13	ULTRASENSITIVE AMPEROMETRIC IMMUNOSENSOR FOR PSA DETECTION BASED ON Cu₂O@CeO₂-Au NANOCOMPOSITES AS INTEGRATED TRIPLE SIGNAL AMPLIFICATION STRATEGY	Times Cited: 16  Research Front
	By: LI, FY; LI, YY; FENG, JH; et.al Source: BIOSENS BIOELECTRON 87: 630-637 JAN 15 2017 Research Fields: CHEMISTRY	
14	HIGHLY ACTIVE TiO₂/G-C₃N₄/G PHOTOCATALYST WITH EXTENDED SPECTRAL RESPONSE TOWARDS SELECTIVE REDUCTION OF NITROBENZENE	Times Cited: 15
	By: ZHANG, LQ; HE, X; XU, XW; et.al Source: APPL CATAL B-ENVIRON 203: 1-8 APR 2017 Research Fields: CHEMISTRY	

15	USING REDUCED GRAPHENE OXIDE-CA:CDSE NANOCOMPOSITE TO ENHANCE PHOTOELECTROCHEMICAL ACTIVITY OF GOLD NANOPARTICLES FUNCTIONALIZED TUNGSTEN OXIDE FOR HIGHLY SENSITIVE PROSTATE SPECIFIC ANTIGEN DETECTION	Times Cited: 15 Research Front
	By: WANG, XP; XU, R; SUN, X; et.al Source: BIOSENS BIOELECTRON 96: 239-245 OCT 15 2017 Research Fields: CHEMISTRY	
16	A SENSITIVE ELECTROCHEMILUMINESCENCE IMMUNOSENSOR BASED ON RU(BPY) ₃ (2+) IN 3D CUNI OXALATE AS LUMINOPHORES AND GRAPHENE OXIDE-POLYETHYLENIMINE AS RELEASED RU(BPY) ₃ (2+) INITIATOR	Times Cited: 14 Research Front
	By: LI, XJ; YU, SQ; YAN, T; et.al Source: BIOSENS BIOELECTRON 89: 1020-1025 PART 2 MAR 15 2017 Research Fields: CHEMISTRY	

图-8 济南大学化学学科高被引论文

详细记录：

1.被引频次 387 次（济南大学是第 2 作者单位，化学化工学院）

Synthesis of functionalized 3D hierarchical porous carbon for high-performance supercapacitors

作者:Qie, L (Qie, Long)[1] ; Chen, WM (Chen, Weimin)[1] ; Xu, HH (Xu, Henghui)[1] ; Xiong, XQ (Xiong, Xiaoqin)[1] ; Jiang, Y (Jiang, Yan)[1] ; Zou, F (Zou, Feng)[1] ; Hu, XL (Hu, Xianluo)[1] ; Xin, Y (Xin, Ying)[2] ; Zhang, ZL (Zhang, Zhaoliang)[2] ; Huang, YH (Huang, Yunhui)[1]

ENERGY & ENVIRONMENTAL SCIENCE 卷: 6 期: 8 页: 2497-2504

DOI: 10.1039/c3ee41638k

出版年: AUG 2013

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[2] Univ Jinan, Sch Chem & Chem Engr, Shandong Prov Key Lab Fluorine Chem & Chem Mat, Jinan 250022, Shandong, Peoples R China

电子邮件地址:huxl@mail.hust.edu.cn; huangyh@mail.hust.edu.cn

文献类型:Article 语种:English

入藏号: WOS:000321983800023

ISSN: 1754-5692 eISSN: 1754-5706

2.被引频次 272（济南大学是第 2 作者单位，化学化工学院）

High-performance bi-functional electrocatalysts of 3D crumpled graphene-cobalt oxide nanohybrids for oxygen reduction and evolution reactions

作者:Mao, S (Mao, Shun)[1] ; Wen, ZH (Wen, Zhenhai)[1] ; Huang, TZ (Huang, Taizhong)[1,2] ; Hou, Y (Hou, Yang)[1] ; Chen, JH (Chen, Junhong)[1]

ENERGY & ENVIRONMENTAL SCIENCE 卷: 7 期: 2 页: 609-616

DOI: 10.1039/c3ee42696c 出版年: FEB 2014

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[2] Univ Jinan, Key Lab Chem Sensing & Anal Univ Shandong, Sch Chem & Chem Engr, Jinan 250022, Peoples R China

电子邮件地址:jhchen@uwm.edu

文献类型:Article 语种:English 入藏号: WOS:000331413700008

ISSN: 1754-5692 eISSN: 1754-5706

3.被引频次 214 次 (济南大学是第 2 作者单位, 材料科学与工程学院)

Generalized Fabrication of Nanoporous Metals (Au, Pd, Pt, Ag, and Cu) through Chemical Dealloying

作者:Zhang, ZH (Zhang, Zhonghua)[1] ; Wang, Y (Wang, Yan)[2] ; Qi, Z (Qi, Zhen)[1] ; Zhang, WH (Zhang, Wenhua)[3] ; Qin, JY (Qin, Jingyu)[1] ; Frenzel, J (Frenzel, Jan)[4]

JOURNAL OF PHYSICAL CHEMISTRY C 卷: 113 期: 29 页: 12629-12636

DOI: 10.1021/jp811445a 出版年: JUL 23 2009

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[2] Univ Jinan, Sch Mat Sci & Engr, Jinan 250022, Peoples R China

[3] Chinese Acad Sci, Dalian Inst Chem Phys, Dalian Natl Lab Clean Energy, Dalian 116023, Peoples R China

[4] Ruhr Univ Bochum, Inst Werkstoffe, D-44780 Bochum, Germany

电子邮件地址:zh_zhang@sdu.edu.cn

文献类型:Article 语种:English

入藏号: WOS:000268139800004 ISSN: 1932-7447

4.被引频次 164 次 (济南大学是第 1 作者和通讯作者单位, 化学化工学院)

Paper-based chemiluminescence ELISA: Lab-on-paper based on chitosan modified paper device and wax-screen-printing

作者:Wang, SM (Wang, Shoumei)[1,3] ; Ge, L (Ge, Lei)[1,3] ; Song, XR (Song, Xianrang)[2,3] ; Yu, JH (Yu, Jinghua)[1,3] ; Ge, SG (Ge, Shenguang)[1,3] ; Huang, JD (Huang, Jiadong)[1,3] ; Zeng, F (Zeng, Fang)[1,3]

BIOSENSORS & BIOELECTRONICS 卷: 31 期: 1 页: 212-218

DOI: 10.1016/j.bios.2011.10.019 出版年: JAN 15 2012

作者信息

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[2] Shandong Tumor Hosp, Canc Res Ctr, Jinan 250117, Peoples R China

[3] Univ Jinan, Shandong Prov Key Lab Fluorine Chem & Chem Mat, Jinan 250022, Peoples R China

电子邮件地址:ujn.yujh@gmail.com

文献类型:Article 语种:English

入藏号: WOS:000300468400033

PubMed ID: 22051546 ISSN: 0956-5663

5.被引频次 110 (济南大学是第 1 作者和通讯作者单位, 光功能材料与成像研究院)

Development of fluorescent probes based on protection-deprotection of the key functional groups for biological imaging

作者:Tang, YH (Tang, Yonghe)[1] ; Lee, DY (Lee, Dayoung)[2] ; Wang, JL (Wang, Jiaoliang)[3] ; Li, GH (Li, Guanhan)[1] ; Yu, JH (Yu, Jinghua)[1] ; Lin, WY (Lin, Weiying)[1,3] ; Yoon, JY (Yoon, Juyoung)[2]

CHEMICAL SOCIETY REVIEWS 卷: 44 期: 15 页: 5003-5015

DOI: 10.1039/c5cs00103j 出版年: 2015

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[3] Hunan Univ, Coll Chem & Chem Engr, State Key Lab Chemobiosensing & Chemometr, Changsha 410082, Hunan, Peoples R China

文献类型:Review 语种:English

入藏号: WOS:000358219300002

PubMed ID: 25971860 ISSN: 0306-0012 eISSN: 1460-4744

6.被引频次 65 (济南大学是第 1 作者和通讯作者单位, 光功能材料与成像研究院)

Development of a Two-Photon Fluorescent Probe for Imaging of Endogenous Formaldehyde in Living Tissues

作者:Tang, YH (Tang, Yonghe)[1] ; Kong, XQ (Kong, Xiuqi)[1] ; Xu, A (Xu, An)[1] ; Dong, BL (Dong, Baoli)[1] ; Lin, WY (Lin, Weiying)[1]

ANGEWANDTE CHEMIE-INTERNATIONAL EDITION 卷: 55 期: 10 页: 3356-3359

DOI: 10.1002/anie.201510373 出版年: MAR 1 2016

作者信息

通讯作者地址: Lin, WY (通讯作者)

Univ Jinan, Sch Biol Sci, Sch Chem & Chem Engr, Inst Fluorescent Probes Biol Imaging, Jinan 250022, Shandong, Peoples R China.

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电子邮件地址:weiyinglin2013@163.com

文献类型:Article 语种:English

入藏号: WOS:000371418200022 ISSN: 1433-7851 eISSN: 1521-3773

7.被引频次 50 (济南大学是第 1 作者和通讯作者单位, 光功能材料与成像研究院)

Fluorescent chemosensors manipulated by dual/triple interplaying sensing mechanisms
作者:He, LW (He, Longwei)[1] ; Dong, BL (Dong, Baoli)[1] ; Liu, Y (Liu, Yong)[1] ; Lin, WY (Lin, Weiyong)[1]

CHEMICAL SOCIETY REVIEWS

卷: 45 期: 23 页: 6449-6461

DOI: 10.1039/c6cs00413j 出版年: 2016

作者信息

通讯作者地址: Lin, WY (通讯作者)

Univ Jinan, Inst Fluorescent Probes Biol Imaging, Sch Chem & Chem Engr, Sch Biol Sci & Technol, Jinan 250022, Shandong, Peoples R China.

地址: [1] Univ Jinan, Inst Fluorescent Probes Biol Imaging, Sch Chem & Chem Engr, Sch Biol Sci & Technol, Jinan 250022, Shandong, Peoples R China

文献类型:Review 语种:English

入藏号: WOS:000389318100003

PubMed ID: 27711651 ISSN: 0306-0012 eISSN: 1460-4744

8.被引频次 48 (济南大学是第 1 作者和通讯作者单位, 光功能材料与成像研究院)

Dual Site-Controlled and Lysosome-Targeted Intramolecular Charge Transfer-Photoinduced Electron Transfer-Fluorescence Resonance Energy Transfer Fluorescent Probe for Monitoring pH Changes in Living Cells

作者:Dong, BL (Dong, Baoli)[1] ; Song, XZ (Song, Xuezhen)[1] ; Wang, C (Wang, Chao)[1] ; Kong, XQ (Kong, Xiuqi)[1] ; Tang, YH (Tang, Yonghe)[1] ; Lin, WY (Lin, Weiyong)[1]

ANALYTICAL CHEMISTRY 卷: 88 期: 7 页: 4085-4091

DOI: 10.1021/acs.analchem.6b00422 出版年: APR 5 2016

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Univ Jinan, Sch Biol Sci, Sch Chem & Chem Engr, Inst Fluorescent Probes Biol Imaging, Jinan 250022, Shandong, Peoples R China.

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电子邮件地址:weiyonglin2013@163.com

文献类型:Article 语种:English

9.被引频次 44 (济南大学是第 1 作者和通讯作者单位, 光功能材料与成像研究院)

Single near-infrared fluorescent probe with high- and low-sensitivity sites for sensing different concentration ranges of biological thiols with distinct modes of fluorescence signals

作者:Chen, H (Chen, Hua)[2] ; Tang, YH (Tang, Yonghe)[1] ; Ren, MG (Ren, Mingguang)[1] ; Lin, WY (Lin, Weiyong)[1,2]

CHEMICAL SCIENCE 卷: 7 期: 3 页: 1896-1903

DOI: 10.1039/c5sc03591k 出版年: 2016

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电子邮件地址: Weiyinglin2013@163.com

文献类型: Article 语种: English

入藏号: WOS:000371021900031

ISSN: 2041-6520 eISSN: 2041-6539

10.被引频次 26 次（济南大学是第 1 作者和通讯作者单位，化学化工学院）

A molecularly imprinted polypyrrole for ultrasensitive voltammetric determination of glyphosate

作者: Xu, JM (Xu, Jinmeng)[1] ; Zhang, Y (Zhang, Yan)[1] ; Wu, KQ (Wu, Kaiqing)[1] ; Zhang, LN (Zhang, Lina)[2] ; Ge, SG (Ge, Shengguang)[1,2] ; Yu, JH (Yu, Jinghua)[1]

MICROCHIMICA ACTA 卷: 184 期: 7 页: 1959-1967

DOI: 10.1007/s00604-017-2200-9

出版年: JUL 2017

文献类型: Article

通讯作者地址: Yu, JH (通讯作者)

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电子邮件地址: ujn.yujh@gmail.com

语种: English

入藏号: WOS:000403353000008

ISSN: 0026-3672 eISSN: 1436-5073

11.被引频次 21（济南大学是第 1 单位，但是是第 2 作者，通讯作者单位是光功能材料与成像研究院）

A Unique "Integration" Strategy for the Rational Design of Optically Tunable Near-Infrared Fluorophores

作者: Chen, H (Chen, Hua)[2] ; Dong, BL (Dong, Baoli)[1] ; Tang, YH (Tang, Yonghe)[1] ; Lin, WY (Lin, Weiying)[1,2]

ACCOUNTS OF CHEMICAL RESEARCH 卷: 50 期: 6 页: 1410-1422

DOI: 10.1021/acs.accounts.7b00087

出版年: JUN 2017

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文献类型: Review 语种: English

入藏号: WOS:000404085900015

PubMed ID: 28492303 ISSN: 0001-4842 eISSN: 1520-4898

12. 被引频次 17 (济南大学是第 1 作者和通讯作者单位, 化学化工学院)

A novel ECL biosensor for the detection of concanavalin A based on glucose functionalized NiCo₂S₄ nanoparticles-grown on carboxylic graphene as quenching probe

作者: Li, XJ (Li, Xiaojian)[1]; Wang, YG (Wang, Yaoguang)[1]; Shi, L (Shi, Li)[1]; Ma, HM (Ma, Hongmin)[1]; Zhang, Y (Zhang, Yong)[1]; Du, B (Du, Bin)[1]; Wu, D (Wu, Dan)[1]; Wei, Q (Wei, Qin)[1]

BIOSENSORS & BIOELECTRONICS 卷: 96 页: 113-120

DOI: 10.1016/j.bios.2017.04.050

出版年: OCT 15 2017

作者信息

通讯作者地址: Wu, D (通讯作者)

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文献信息

文献类型: Article 语种: English

入藏号: WOS:000403419700016

PubMed ID: 28475956 ISSN: 0956-5663 eISSN: 1873-4235

13. 被引频次 16 (济南大学是第 3 作者单位, 化学化工学院)

Ultrasensitive amperometric immunosensor for PSA detection based on Cu₂O@CeO₂-Au nanocomposites as integrated triple signal amplification strategy

作者: Li, FY (Li, Faying)[1]; Li, YY (Li, Yueyun)[1,3]; Feng, JH (Feng, Jinhui)[1]; Dong, YH (Dong, Yunhui)[1]; Wang, P (Wang, Ping)[1]; Chen, L (Chen, Lei)[1]; Chen, ZW (Chen, Zhiwei)[2]; Liu, H (Liu, Hui)[1]; Wei, Q (Wei, Qin)[3]

BIOSENSORS & BIOELECTRONICS 卷: 87 页: 630-637

DOI: 10.1016/j.bios.2016.09.018

出版年: JAN 15 2017 文献类型: Article

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[2] Shandong Univ Technol, Sch Life Sci, Zibo 255049, Peoples R China

[3] **Univ Jinan**, Sch Chem & Chem Engr, Key Lab Chem Sensing & Anal Univ Shandong, Jinan 250022, Peoples R China

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语种:English

入藏号: WOS:000390499600089

PubMed ID: 27619526 ISSN: 0956-5663 eISSN: 1873-4235

14.被引频次 15 (济南大学是第 3 作者单位, 材料科学与工程学院)

Highly active TiO₂/g-C₃N₄/G photocatalyst with extended spectral response towards selective reduction of nitrobenzene

作者:Zhang, LQ (Zhang, Liqiang)[1,2] ; He, X (He, Xing)[1] ; Xu, XW (Xu, Xiuwen)[1] ; Liu, C (Liu, Chao)[1] ; Duan, YL (Duan, Yongli)[1] ; Hou, LQ (Hou, Liqiang)[1] ; Zhou, QD (Zhou, Qidong)[1,2] ; Ma, C (Ma, Chi)[1,2] ; Yang, XP (Yang, Xiaopeng)[3] ; Liu, R (Liu, Rui)[4] ; Yang, F (Yang, Fan)[1] ; Cui, LS (Cui, Lishan)[1] ; Xu, CM (Xu, Chunming)[1] ; Li, YF (Li, Yongfeng)[1]

APPLIED CATALYSIS B-ENVIRONMENTAL 卷: 203 页: 1-8

DOI: 10.1016/j.apcatb.2016.10.003

出版年: APR 2017

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[2] China Univ Petr, Dept Mat Sci & Engr, Beijing 102249, Peoples R China

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文献类型:Article 语种:English

入藏号: WOS:000390965000001

ISSN: 0926-3373 eISSN: 1873-3883

15.被引频次 15 (济南大学是第 1 作者和通讯作者单位, 化学化工学院)

Using reduced graphene oxide-Ca: CdSe nanocomposite to enhance photoelectrochemical activity of gold nanoparticles functionalized tungsten oxide for highly sensitive prostate specific antigen detection

作者:Wang, XP (Wang, Xueping)[1] ; Xu, R (Xu, Rui)[1] ; Sun, X (Sun, Xu)[1] ; Wang, YG (Wang, Yaoguang)[1] ; Ren, X (Ren, Xiang)[1] ; Du, B (Du, Bin)[1] ; Wu, D (Wu, Dan)[1] ;

Wei, Q (Wei, Qin)[1]

BIOSENSORS & BIOELECTRONICS 卷: 96 页: 239-245

DOI: 10.1016/j.bios.2017.04.052

出版年: OCT 15 2017 文献类型:Article

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语种:English

入藏号: WOS:000403419700034

PubMed ID: 28500948 ISSN: 0956-5663 eISSN: 1873-4235

16.被引频次 14 (济南大学是第 1 作者和通讯作者单位, 化学化工学院)

A sensitive electrochemiluminescence immunosensor based on Ru(bpy)(3)(2+) in 3D CuNi oxalate as luminophores and graphene oxide-polyethylenimine as released Ru(bpy)(3)(2+) initiator

作者:Li, XJ (Li, Xiaojian)[1] ; Yu, SQ (Yu, Siqui)[1] ; Yan, T (Yan, Tao)[1] ; Zhang, Y (Zhang, Yong)[1] ; Du, B (Du, Bin)[1] ; Wu, D (Wu, Dan)[1] ; Wei, Q (Wei, Qin)[1]

查看 ResearcherID 和 ORCID

BIOSENSORS & BIOELECTRONICS 卷: 89 页: 1020-1025 子辑: 2

DOI: 10.1016/j.bios.2016.10.032

出版年: MAR 15 2017 文献类型:Article

作者信息

通讯作者地址: Wu, D (通讯作者)

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语种:English 入藏号: WOS:000390969400046

PubMed ID: 27825523 ISSN: 0956-5663 eISSN: 1873-4235

8. 2. 2 临床医学学科现状分析

临床医学 2018 年 5 月大陆高校 ESI 排名如表-9 所示。可以看出排在前 10 位的高校分别是上海交通大学、中山大学、复旦大学、北京协和医学院、北京大学、首都医科大学、浙江大学、四川大学、南京医科大学和第二军医大学。在表-9 中,排名第 1 位的上海交通大学至排名第 87 位的泰山医学院,其临床医学学

科都进入了 ESI 的前 1% 行列。我校的临床医学学科按照 ESI 总被引频次在大陆高校排名第 41 位，省内高校第 3 位。

表-9 ESI 临床医学大陆高校排名

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
1	Shanghai Jiao Tong University	16462	1.17	192906	79.35	3764
2	Sun Yat Sen University	12591	1.16	142693	80.16	2783
3	Fudan University	12389	1.23	140053	79.48	2924
4	Chinese Academy of Medical Sciences - Peking Union Medical College	9802	1.33	132497	78.46	2614
5	Peking University	10729	1.15	123959	79.35	3193
6	Capital Medical University	10584	0.9	89368	73.73	2618
7	Zhejiang University	9045	0.94	82123	76.4	1678
8	Sichuan University	9250	0.86	76603	76.18	1683
9	Nanjing Medical University	7578	1.05	72741	77.8	1313
10	Second Military Medical University	5454	1.12	67412	83.17	952
11	Huazhong University of Science & Technology	7614	0.92	65962	78.54	1822
12	Shandong University	7654	0.86	62212	75.53	1420
13	Central South University	6349	1.15	62082	76.55	1380
14	Fourth Military Medical University	4757	1.08	55742	83.96	1036
15	Tianjin Medical University	4843	1.06	47290	76.36	1151
16	China Medical University	5477	0.87	46240	78.71	1004
17	Nanjing University	3972	1.31	45651	78.95	778
18	Southern Medical University - China	5242	1.01	44378	74.48	938
19	Harbin Medical University	4171	1.07	43244	80.2	919
20	Tongji University	4301	1.09	40147	77.08	960
21	Third Military Medical University	3999	1.03	39801	81.25	750
22	Wuhan University	4486	1.12	39235	76.97	887
23	Chongqing Medical University	3701	1.11	35689	77.06	717
24	Suzhou University	4044	0.97	35382	75.12	774
25	Xi'an Jiaotong University	4150	0.93	33839	75.4	874
26	Wenzhou Medical University	3764	0.86	26718	71.39	950
27	Jilin University	3939	0.85	26616	69.99	943
28	Zhengzhou University	4100	0.87	26557	71.68	798
29	Anhui Medical University	2835	0.94	22882	75.06	534
30	Guangzhou Medical University	2839	1.09	21954	75.2	533

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
31	Guangxi Medical University	2205	0.93	19075	75.83	315
32	Southeast University – China	1858	1.13	18572	78.79	409
33	Fujian Medical University	2434	0.74	15202	71.41	355
34	Hebei Medical University	2170	0.76	14221	70.88	302
35	Dalian Medical University	1735	0.92	14043	73.08	342
36	Xiamen University	1637	1.02	13962	75.93	423
37	Tsinghua University	1389	1.02	13541	75.88	426
38	Qingdao University	2222	0.72	12949	67.42	278
39	Jinan University	1681	0.84	12240	73.29	307
40	Shantou University	1049	1.13	12100	79.12	229
41	University of Jinan	1446	0.86	11715	75.86	169
42	Nanjing University of Chinese Medicine	1148	1.29	11464	70.21	241
43	Nantong University	1659	0.85	11299	76.73	189
44	Nanchang University	1564	0.88	10359	65.22	222
45	Lanzhou University	1033	0.91	9418	75.9	218
46	Jiangsu University	1084	0.95	8965	77.49	107
47	Shanghai University of Traditional Chinese Medicine	1244	0.85	8186	71.78	301
48	Nankai University	690	1.1	8033	83.62	193
49	University of Chinese Academy of Sciences, CAS	784	1.8	7932	76.53	237
50	Guangdong Medical University	925	0.98	7669	78.81	161
51	Kunming Medical University	1123	0.83	6844	67.85	253
52	Xinjiang Medical University	1142	0.89	6744	66.64	167
53	Xuzhou Medical College	1068	0.83	6178	72.66	131
54	Shanxi Medical University	816	0.85	5939	73.41	204
55	University of Science & Technology of China	390	1.3	5789	79.49	171
56	China Pharmaceutical University	533	1.13	5362	79.17	152
57	Beijing University of Chinese Medicine	1067	0.59	5325	69.26	284
58	University of South China	574	1.07	5262	77.87	115
59	Guangzhou University of Chinese Medicine	1045	0.65	5056	67.66	224
60	Ningbo University	534	1.29	4911	73.78	109
61	East China Normal University	354	1.18	4674	80.51	166
62	Ningxia Medical University	573	0.96	4310	72.77	113
63	Yangzhou University	588	0.88	4071	72.79	100

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
64	Southwest Medical University	586	0.82	4007	65.53	110
65	Shenzhen University	604	1.06	3976	70.36	167
66	Jinzhou Medical University	485	0.84	3701	70.1	43
67	Hubei University of Medicine	597	0.86	3559	69.85	103
68	Xi'an Medical University	512	1.02	3443	66.02	50
69	Yanbian University	386	0.89	3325	77.46	251
70	Xinxiang Medical University	557	0.8	3177	73.07	67
71	Hainan Medical University	352	1	3172	70.74	55
72	Fujian University of Traditional Chinese Medicine	480	0.69	3098	76.88	71
73	Zhejiang Chinese Medical University	651	0.72	3093	65.75	114
74	Inner Mongolia Medical University	487	0.98	3044	68.17	84
75	Binzhou Medical University	631	0.74	2972	65.77	77
76	Bengbu Medical College	444	0.86	2834	68.92	51
77	Harbin Institute of Technology	297	1.07	2796	80.47	123
78	South China University of Technology	318	1.1	2679	69.18	87
79	Beijing Normal University	282	0.79	2661	77.3	109
80	Guangdong Pharmaceutical University	315	1	2653	73.65	53
81	Shenyang Pharmaceutical University	200	1.36	2553	84.5	48
82	North China University of Science & Technology	394	0.72	2507	68.53	69
83	Hangzhou Normal University	338	0.85	2458	71.89	116
84	Hunan Normal University	331	0.78	2410	78.85	115
85	Chinese University of Hong Kong, Shenzhen	255	1.34	2375	78.04	64
86	North Sichuan Medical University	419	0.71	2331	74.22	58
87	Taishan Medical University	471	0.63	2290	69	141

我校临床医学共有 10 篇高被引论文，如图-9 所示：

1	GENOMEWIDE ASSOCIATION STUDY OF LEPROSY	Times Cited: 340
	By: ZHANG, FR; HUANG, W; CHEN, SM; et.al Source: N ENGL J MED 361 (27): 2609-2618 DEC 31 2009 Research Fields: CLINICAL MEDICINE	
2	PREVALENCE, AWARENESS, TREATMENT, AND CONTROL OF HYPERTENSION IN RURAL AND URBAN COMMUNITIES IN HIGH-, MIDDLE-, AND LOW-INCOME COUNTRIES	Times Cited: 278
	By: CHOW, CK; TEO, KK; RANGARAJAN, S; et.al Source: JAMA-J AM MED ASSN 310 (9): 959-968 SEP 4 2013 Research Fields: CLINICAL MEDICINE	
3	APATINIB FOR CHEMOTHERAPY-REFRACTORY ADVANCED METASTATIC GASTRIC CANCER: RESULTS FROM A RANDOMIZED, PLACEBO-CONTROLLED, PARALLEL-ARM, PHASE II TRIAL	Times Cited: 154  Research Front
	By: LI, J; QIN, SK; XU, JM; et.al Source: J CLIN ONCOL 31 (26): 3219-+ SEP 10 2013 Research Fields: CLINICAL MEDICINE	
4	CARDIOVASCULAR RISK AND EVENTS IN 17 LOW-, MIDDLE-, AND HIGH-INCOME COUNTRIES	Times Cited: 149
	By: YUSUF, S; RANGARAJAN, S; TEO, K; et.al Source: N ENGL J MED 371 (9): 818-827 AUG 28 2014 Research Fields: CLINICAL MEDICINE	
5	RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED PHASE III TRIAL OF APATINIB IN PATIENTS WITH CHEMOTHERAPY-REFRACTORY ADVANCED OR METASTATIC ADENOCARCINOMA OF THE STOMACH OR GASTROESOPHAGEAL JUNCTION	Times Cited: 115  ESI Hot
	By: LI, J; QIN, SK; XU, JM; et.al Source: J CLIN ONCOL 34 (13): 1448-+ MAY 1 2016 Research Fields: CLINICAL MEDICINE	
6	PREDICTIVE BIOMARKERS IN PD-1/PD-L1 CHECKPOINT BLOCKADE IMMUNOTHERAPY	Times Cited: 78
	By: MENG, XJ; HUANG, ZQ; TENG, FF; et.al Source: CANCER TREATMENT REV 41 (10): 868-876 DEC 2015 Research Fields: CLINICAL MEDICINE	
7	COMBINED CANCER PHOTOTHERMAL-CHEMOTHERAPY BASED ON DOXORUBICIN/GOLD NANOROD-LOADED POLYMERSOMES	Times Cited: 55
	By: LIAO, JF; LI, WT; PENG, JR; et.al Source: THERANOSTICS 5 (4): 345-356 2015 Research Fields: CLINICAL MEDICINE	
8	PD-L1 EXPRESSION IN HUMAN CANCERS AND ITS ASSOCIATION WITH CLINICAL OUTCOMES	Times Cited: 50
	By: WANG, X; TENG, FF; KONG, L; et.al Source: ONCOTARGETS THER 9: 5023-5039 2016 Research Fields: CLINICAL MEDICINE	
9	A FUNCTIONAL LNCRNA HOTAIR GENETIC VARIANT CONTRIBUTES TO GASTRIC CANCER SUSCEPTIBILITY	Times Cited: 45
	By: PAN, WT; LIU, LS; WEI, JY; et.al Source: MOL CARCINOGEN 55 (1): 90-96 JAN 2016 Research Fields: CLINICAL MEDICINE	
10	LONG NONCODING RNA NEAT1 IS AN UNFAVORABLE PROGNOSTIC FACTOR AND REGULATES MIGRATION AND INVASION IN GASTRIC CANCER	Times Cited: 29  Research Front
	By: FU, JW; KONG, Y; SUN, X; Source: J CANCER RES CLIN ONCOL 142 (7): 1571-1579 JUL 2016 Research Fields: CLINICAL MEDICINE	

图-9 济南大学临床医学学科高被引论文

详细记录：

1.被引频次 340（济南大学-医学与生命科学学院是第 1 单位和通讯作者单位）

Genomewide Association Study of Leprosy

作者:Zhang, FR (Zhang, Fu-Ren)[1] ; Huang, W (Huang, Wei); Chen, SM (Chen, Shu-Min); Sun, LD (Sun, Liang-Dan); Liu, H (Liu, Hong); Li, Y (Li, Yi); Cui, Y (Cui, Yong); Yan, XX (Yan, Xiao-Xiao); Yang, HT (Yang, Hai-Tao); Yang, RD (Yang, Rong-De)

NEW ENGLAND JOURNAL OF MEDICINE 卷: 361 期: 27 页: 2609-2618

DOI: 10.1056/NEJMoa0903753 出版年: DEC 31 2009

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文献类型:Article 语种:English

入藏号: WOS:000273181300008 PubMed ID: 20018961 ISSN: 0028-4793

2.被引频次 278（济南大学-医学与生命科学学院是第 13 单位）

Prevalence, Awareness, Treatment, and Control of Hypertension in Rural and Urban Communities in High-, Middle-, and Low-Income Countries

作者:Chow, CK (Chow, Clara K.)(1,24,25] ; Teo, KK (Teo, Koon K.)(1] ; Rangarajan, S (Rangarajan, Sumathy)(1] ; Islam, S (Islam, Shofiqul)(1] ; Gupta, R (Gupta, Rajeev)(2] ; Avezum, A (Avezum, Alvaro)(3] ; Bahonar, A (Bahonar, Ahmad)(4] ; Chifamba, J (Chifamba, Jephath)(5] ; Dagenais, G (Dagenais, Gilles)(6] ; Diaz, R (Diaz, Rafael)(7]

JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION 卷: 310 期: 9 页: 959-968

DOI: 10.1001/jama.2013.184182 出版年: SEP 4 2013

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电子邮件地址: pure@phri.ca 文献类型: Article 语种: English

入藏号: WOS:000323885700026 PubMed ID: 24002282 ISSN: 0098-7484

3.被引频次 154 (济南大学-医学与生命科学学院是第 14 单位)

Apatinib for Chemotherapy-Refractory Advanced Metastatic Gastric Cancer: Results From a Randomized, Placebo-Controlled, Parallel-Arm, Phase II Trial

作者: Li, J (Li, Jin)[1,2] ; Qin, SK (Qin, Shukui)[5] ; Xu, JM (Xu, Jianming)[7] ; Guo, WJ (Guo, Weijian)[1,2] ; Xiong, JP (Xiong, Jianping)[8] ; Bai, YX (Bai, Yuxian)[9] ; Sun, GP (Sun, Guoping)[10] ; Yang, Y (Yang, Yan)[11] ; Wang, LW (Wang, Liwei)[3] ; Xu, N (Xu, Nong)[12]
更多内容

JOURNAL OF CLINICAL ONCOLOGY 卷: 31 期: 26 页: 3219-+

DOI: 10.1200/JCO.2013.48.8585 出版年: SEP 10 2013 文献类型: Article

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PubMed ID: 23918952 ISSN: 0732-183X eISSN: 1527-7755

4.被引频次 149 (济南大学-医学与生命科学学院是第 9 单位)

Cardiovascular Risk and Events in 17 Low-, Middle-, and High-Income Countries

作者:Yusuf, S (Yusuf, S.)[1,2] ; Rangarajan, S (Rangarajan, S.)[1,2] ; Teo, K (Teo, K.)[1,2] ; Islam, S (Islam, S.)[1,2] ; Li, W (Li, W.)[6,7] ; Liu, L (Liu, L.)[6,7] ; Bo, J (Bo, J.)[6,7] ; Lou, Q (Lou, Q.)[8] ; Lu, F (Lu, F.)[9] ; Liu, T (Liu, T.)[10]

团体作者: PURE Investigators

NEW ENGLAND JOURNAL OF MEDICINE 卷: 371 期: 9 页: 818-827

DOI: 10.1056/NEJMoa1311890 出版年: AUG 28 2014

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电子邮件地址:yusufs@mcmaster.ca 文献类型:Article 语种:English
入藏号: WOS:000340819800008
PubMed ID: 25162888 ISSN: 0028-4793 eISSN: 1533-4406

5.被引频次 115 (济南大学-医学与生命科学学院是第 16 单位)

Randomized, Double-Blind, Placebo-Controlled Phase III Trial of Apatinib in Patients With Chemotherapy-Refractory Advanced or Metastatic Adenocarcinoma of the Stomach or Gastroesophageal Junction

作者:Li, J (Li, Jin)[1] ; Qin, SK (Qin, Shukui)[4] ; Xu, JM (Xu, Jianming)[7] ; Xiong, JP (Xiong, Jianping)[9] ; Wu, CP (Wu, Changping)[10] ; Bai, YX (Bai, Yuxian)[11] ; Liu, W (Liu, Wei)[12] ; Tong, JD (Tong, Jiandong)[13] ; Liu, YP (Liu, Yunpeng)[14] ; Xu, RH (Xu, Ruihua)[15] JOURNAL OF CLINICAL ONCOLOGY

卷: 34 期: 13 页: 1448-+

DOI: 10.1200/JCO.2015.63.5995 出版年: MAY 1 2016 文献类型:Article

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PubMed ID: 26884585 ISSN: 0732-183X eISSN: 1527-7755

6.被引频次 78 (济南大学-医学与生命科学学院是第 1 单位和通讯作者单位)

Predictive biomarkers in PD-1/PD-L1 checkpoint blockade immunotherapy

作者:Meng, XJ (Meng, Xiangjiao)[1,2] ; Huang, ZQ (Huang, Zhaoqin)[3] ; Teng, FF (Teng, Feifei)[1,2] ; Xing, LG (Xing, Ligang)[1,2] ; Yu, JM (Yu, Jinming)[1,2]

CANCER TREATMENT REVIEWS 卷: 41 期: 10 页: 868-876

DOI: 10.1016/j.ctrv.2015.11.001 出版年: DEC 2015

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文献类型:Review 语种:English 入藏号: WOS:000366443100009

PubMed ID: 26589760 ISSN: 0305-7372 eISSN: 1532-1967

7.被引频次 55 (济南大学-医学与生命科学学院是第 2 单位)

Combined Cancer Photothermal-Chemotherapy Based on Doxorubicin/Gold Nanorod-Loaded Polymersomes

作者:Liao, JF (Liao, JinFeng)[1] ; Li, WT (Li, WenTing)[1] ; Peng, JR (Peng, JinRong)[1] ;

Yang, Q (Yang, Qian)[1] ; Li, H (Li, He)[2] ; Wei, YQ (Wei, YuQuan)[1] ; Zhang, XN (Zhang, XiaoNing)[3] ; Qian, ZY (Qian, ZhiYong)[1]

THERANOSTICS 卷: 5 期: 4 页: 345-356

DOI: 10.7150/thno.10731 出版年: 2015

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入藏号: WOS:000353063500002 PubMed ID: 25699095 ISSN: 1838-7640

8.被引频次 50 (济南大学-医学与生命科学学院是第 1 作者单位和通讯作者单位)

PD-L1 expression in human cancers and its association with clinical outcomes

作者: Wang, X (Wang, Xin)[1,2] ; Teng, FF (Teng, Feifei)[2,3] ; Kong, L (Kong, Li)[2] ; Yu, JM (Yu, Jinming)[2]

ONCOTARGETS AND THERAPY 卷: 9 页: 5023-5039

DOI: 10.2147/OTT.S105862 出版年: 2016

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入藏号: WOS:000382197100001 PubMed ID: 27574444 ISSN: 1178-6930

9.被引频次 45 (济南大学-医学与生命科学学院是通讯作者单位和第 2 作者单位)

A Functional lncRNA HOTAIR Genetic Variant Contributes to Gastric Cancer Susceptibility

作者: Pan, WT (Pan, Wenting)[1] ; Liu, LS (Liu, Lisheng)[2] ; Wei, JY (Wei, Jinyu)[1] ; Ge, YX (Ge, Yunxia)[1] ; Zhang, JF (Zhang, Jingfeng)[1] ; Chen, HW (Chen, Hongwei)[1] ; Zhou, LQ (Zhou, Liqing)[3] ; Yuan, QP (Yuan, Qipeng)[1] ; Zhou, CC (Zhou, Changchun)[2] ; Yang, M (Yang, Ming)[1]

MOLECULAR CARCINOGENESIS 卷: 55 期: 1 页: 90-96

DOI: 10.1002/mc.22261 出版年: JAN 2016

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文献类型:Article 语种:English 入藏号: WOS:000368810100008

PubMed ID: 25640751 ISSN: 0899-1987 eISSN: 1098-2744

10.被引频次 29 (济南大学-医学与生命科学学院是通讯作者单位第 2 作者单位)

Long noncoding RNA NEAT1 is an unfavorable prognostic factor and regulates migration and invasion in gastric cancer

作者:Fu, JW (Fu, Jing-wei)[1] ; Kong, Y (Kong, Ying)[1] ; Sun, X (Sun, Xu)[2]

JOURNAL OF CANCER RESEARCH AND CLINICAL ONCOLOGY

卷: 142 期: 7 页: 1571-1579 DOI: 10.1007/s00432-016-2152-1 出版年: JUL 2016

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文献类型:Article 语种:English 入藏号: WOS:000377429400017

PubMed ID: 27095450 ISSN: 0171-5216 eISSN: 1432-1335

8.2.3 材料科学学科现状分析

材料科学 2018 年 5 月大陆高校 ESI 排名如表-10 所示。可以看出排在前 10 位的高校分别是中国科学院大学、清华大学、上海交通大学、复旦大学、浙江大学、哈尔滨工业大学、北京大学、中国科学技术大学、吉林大学和华南理工大学。在表-10 中,排名第 1 位的中国科学院大学至排名第 101 位的西北师范大学,其材料科学学科进入了 ESI 的前 1%行列。我校的材料科学学科按照 ESI 总被引频次在大陆高校排名第 64 位,省内高校第 3 位。

表-10 ESI 材料科学大陆高校排名

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
1	University of Chinese Academy of Sciences, CAS	8162	1.67	145070	82.72	1031
2	Tsinghua University	8319	1.48	139927	81.67	1868
3	Shanghai Jiao Tong University	6590	1.3	97476	84.07	1667
4	Fudan University	3310	2.29	90396	88.49	856
5	Zhejiang University	5630	1.42	89867	84.1	1328
6	Harbin Institute of Technology	8696	0.93	86808	80.32	1694
7	Peking University	3693	1.93	74601	85.7	904
8	University of Science & Technology of China	4082	1.8	73663	83.68	814
9	Jilin University	4859	1.33	68932	84.71	842
10	South China University of Technology	5200	1.34	65965	80.83	1072
11	Central South University	7602	0.86	64994	79.26	1231
12	University of Science & Technology Beijing	7787	0.75	60361	74.93	1483
13	Suzhou University	3164	2.06	59782	84.73	882
14	Huazhong University of Science & Technology	4283	1.41	57665	81.13	864
15	Tianjin University	4662	1.2	55267	80.63	910
16	Xi'an Jiaotong University	5061	1.15	53317	79.47	1284
17	Sichuan University	4488	1.14	52088	80.73	707
18	Dalian University of Technology	4388	1.04	48683	81.52	989
19	Nanjing University	3044	1.57	47803	85.55	587
20	Northwestern Polytechnical University	6096	0.84	46944	78.22	866
21	Shandong University	3739	1.17	46011	82.51	673
22	Wuhan University	2559	1.65	43147	83.12	538
23	Beihang University	4092	1.12	42618	78.89	768
24	Wuhan University of Technology	3654	1.25	40427	75.45	1015
25	Nankai University	1640	2.24	39959	86.4	297
26	Beijing University of Chemical Technology	2331	1.56	38290	84.98	442
27	Sun Yat Sen University	2023	1.91	35700	85.27	433
28	Chongqing University	3896	0.99	33902	76.75	769
29	Tongji University	2916	1.18	33579	81.04	723
30	East China University of Science & Technology	2104	1.34	33356	84.13	480

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
31	Southeast University - China	3070	1.12	32850	78.4	687
32	Xiamen University	2013	1.59	32570	83.06	626
33	Beijing Institute of Technology	2396	1.39	32105	78.67	519
34	Shanghai University	3057	1.01	30820	78.34	726
35	Donghua University	2720	1.13	30781	79.01	716
36	Northeastern University - China	4605	0.61	29167	72.86	1079
37	Lanzhou University	1769	1.36	28772	87.22	258
38	Nanjing University of Aeronautics & Astronautics	2388	1.18	28600	79.9	410
39	Nanjing Tech University	2506	1.21	27205	78.81	618
40	Hunan University	2310	1.2	26185	79.65	454
41	Harbin Engineering University	1346	1.53	25037	80.39	151
42	Nanjing University of Science & Technology	1893	1.49	22105	79.08	456
43	Fuzhou University	1103	1.73	21215	80.69	185
44	Jiangsu University	1952	1.08	18382	75.31	262
45	University of Electronic Science & Technology of China	2095	1.1	16592	78.47	561
46	China University of Petroleum	1427	1.19	15893	76.73	310
47	East China Normal University	980	1.47	15252	83.88	205
48	Hefei University of Technology	1320	1.1	14692	79.62	236
49	Beijing University of Technology	1821	0.78	14536	73.37	349
50	Zhengzhou University	1314	1.26	12915	78.23	269
51	Xiangtan University	1175	1.05	12725	82.72	213
52	Yanshan University	1813	0.79	12555	76.12	298
53	Southwest Jiaotong University	1430	0.88	12419	77.69	375
54	China University of Geosciences	1437	0.99	12342	76.48	268
55	Northeast Normal University - China	649	1.86	12306	89.98	69
56	Taiyuan University of Technology	1925	0.8	12129	72.05	312
57	Nanjing University of Posts & Telecommunications	566	2.12	11689	79.86	127
58	Central China Normal University	355	2.27	11647	88.17	70
59	Shaanxi Normal University	946	1.29	10457	83.51	129
60	Anhui University of Technology	803	1.06	9577	76.21	102
61	Zhejiang Sci-Tech University	929	1.13	9554	77.72	196
62	Anhui University	826	1.17	9163	81.6	90
63	Beijing Jiaotong University	861	1.07	9112	78.4	203
64	University of Jinan	1163	0.99	9070	78.16	160
65	Southwest University - China	830	1.23	8895	78.31	136

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
66	Hubei University	805	1.25	8871	79.01	230
67	Zhejiang Normal University	548	1.61	8591	89.42	84
68	Beijing Normal University	575	1.53	8460	85.74	93
69	Kunming University of Science & Technology	1569	0.61	8451	69.85	212
70	Jinan University	780	1.41	8343	82.69	128
71	South China Normal University	647	1.23	8337	83	106
72	Fourth Military Medical University	426	1.4	8326	88.26	92
73	Zhejiang University of Technology	956	1.01	8261	73.54	187
74	National University of Defence Technology - China	1030	0.74	8190	75.53	110
75	Shenzhen University	1235	1.09	8117	71.9	332
76	Ocean University of China	597	1.2	7990	84.92	75
77	Changzhou University	916	0.99	7985	75.44	164
78	Qingdao University of Science & Technology	743	1.1	7954	79.68	113
79	China University of Mining & Technology	1244	0.78	7799	71.7	234
80	Henan University	767	1.07	7707	84.75	89
81	Heilongjiang University	482	1.51	7514	82.99	48
82	Shanghai Normal University	460	1.38	7463	86.52	69
83	Wuhan University of Science & Technology	1184	0.75	7368	68.92	194
84	Hebei University of Technology	906	0.84	7012	73.4	136
85	Shaanxi University of Science & Technology	1147	0.72	6985	72.8	74
86	Guangxi University	1027	0.72	6883	77.41	148
87	Jiangnan University	1115	0.7	6877	68.25	181
88	Nanchang University	836	0.96	6673	76.79	107
89	Ningbo University	793	0.93	6350	77.55	130
90	Tianjin Polytechnic University	987	0.79	6176	73.86	169
91	Northwest University Xi'an	516	1.38	6151	83.72	102
92	Lanzhou University of Technology	865	0.81	6095	68.67	78
93	Nanjing Normal University	426	1.54	6064	83.57	44
94	Qingdao University	607	1.33	5822	72.98	186
95	Yangzhou University	591	1.23	5816	77.83	99
96	Guangdong University of Technology	1034	0.74	5701	68.47	186
97	Huaqiao University	443	1.11	5458	77.88	65
98	Nanchang Hangkong University	662	0.78	5433	74.02	81

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
99	Hohai University	869	0.8	5421	71	157
100	Harbin Normal University	374	1.51	5399	85.83	27
101	Northwest Normal University - China	385	1.43	5065	86.23	33

我校材料科学共有 9 篇高被引论文，如图-10 所示：

1	THREE-DIMENSIONAL PAPER-BASED ELECTROCHEMILUMINESCENCE IMMUNODEVICE FOR MULTIPLEXED MEASUREMENT OF BIOMARKERS AND POINT-OF-CARE TESTING	Times Cited: 203
	By: GE, L; YAN, JX; SONG, XR; et.al Source: BIOMATERIALS 33 (4): 1024-1031 FEB 2012 Research Fields: MATERIALS SCIENCE	
2	NANOSTRUCTURED MATERIALS FOR ROOM-TEMPERATURE GAS SENSORS	Times Cited: 147
	By: ZHANG, J; LIU, XH; NERI, G; et.al Source: ADVAN MATER 28 (5): 795-831 FEB 3 2016 Research Fields: MATERIALS SCIENCE	
3	INSIGHT INTO THE ELECTRODE MECHANISM IN LITHIUM-SULFUR BATTERIES WITH ORDERED MICROPOROUS CARBON CONFINED SULFUR AS THE CATHODE	Times Cited: 131
	By: LI, Z; YUAN, LX; YI, ZQ; et.al Source: ADV ENERGY MATER 4 (7): - MAY 2014 Research Fields: MATERIALS SCIENCE	
4	FORMATION OF FE₃O₄@MNO₂ BALL-IN-BALL HOLLOW SPHERES AS A HIGH PERFORMANCE CATALYST WITH ENHANCED CATALYTIC PERFORMANCES	Times Cited: 54
	By: ZHANG, SW; FAN, QH; GAO, HH; et.al Source: J MATER CHEM A 4 (4): 1414-1422 2016 Research Fields: MATERIALS SCIENCE	
5	IN-SITU SYNTHESIZED POLYPYRROLE-CELLULOSE CONDUCTIVE NETWORKS FOR POTENTIAL TUNABLE FOLDABLE POWER PAPER	Times Cited: 25 Research Front
	By: ZHANG, Y; LI, L; ZHANG, LN; et.al Source: NANO ENERGY 31: 174-182 JAN 2017 Research Fields: MATERIALS SCIENCE	
6	FLEXIBLE AND HIGH ENERGY DENSITY ASYMMETRICAL SUPERCAPACITORS BASED ON CORE/SHELL CONDUCTING POLYMER NANOWIRES/MANGANESE DIOXIDE NANOFLAKES	Times Cited: 23
	By: HE, WD; WANG, CG; ZHUGE, FW; et.al Source: NANO ENERGY 35: 242-250 MAY 2017 Research Fields: MATERIALS SCIENCE	

7	FROM UNSTABLE CS₂SNi₃ TO AIR-STABLE CS₂SNi₆: A LEAD-FREE PEROVSKITE SOLAR CELL LIGHT ABSORBER WITH BANDGAP OF 1.48 EV AND HIGH ABSORPTION COEFFICIENT By: QIU, XF; CAO, BQ; YUAN, S; et.al Source: SOLAR ENERG MATER SOLAR CELLS 159: 227-234 JAN 2017 Research Fields: MATERIALS SCIENCE	Times Cited: 23  Research Front
8	COBALT-BORATE NANOWIRE ARRAY AS A HIGH-PERFORMANCE CATALYST FOR OXYGEN EVOLUTION REACTION IN NEAR-NEUTRAL MEDIA By: REN, X; GE, RX; ZHANG, Y; et.al Source: J MATER CHEM A 5 (16): 7291-7294 APR 28 2017 Research Fields: MATERIALS SCIENCE	Times Cited: 19  Research Front
9	RECENT ADVANCEMENTS IN FLEXIBLE AND STRETCHABLE ELECTRODES FOR ELECTROMECHANICAL SENSORS: STRATEGIES, MATERIALS, AND FEATURES By: ZHAO, SF; LI, JH; CAO, DX; et.al Source: ACS APPL MATER INTERFACES 9 (14): 12147-12164 APR 12 2017 Research Fields: MATERIALS SCIENCE	Times Cited: 18

图-10 济南大学材料科学高被引论文

详细记录：

1.被引频次 203（济南大学是第 1 作者和通讯作者单位，化学化工学院）

Three-dimensional paper-based electrochemiluminescence immunodevice for multiplexed measurement of biomarkers and point-of-care testing

作者:Ge, L (Ge, Lei)[1] ; Yan, JX (Yan, Jixian)[1] ; Song, XR (Song, Xianrang)[2] ; Yan, M (Yan, Mei)[1] ; Ge, SG (Ge, Shengguang)[3] ; Yu, JH (Yu, Jinghua)[1]

BIOMATERIALS 卷: 33 期: 4 页: 1024-1031

DOI: 10.1016/j.biomaterials.2011.10.065

出版年: FEB 2012

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文献类型:Article 语种:English

入藏号: WOS:000298273400004 PubMed ID: 22074665 ISSN: 0142-9612

2.被引频次 147（济南大学是第 2 作者单位，材料科学与工程学院）

Nanostructured Materials for Room-Temperature Gas Sensors

作者:Zhang, J (Zhang, Jun)[1,2] ; Liu, XH (Liu, Xianghong)[1,3] ; Neri, G (Neri, Giovanni)[4] ; Pinna, N (Pinna, Nicola)[5]

ADVANCED MATERIALS 卷: 28 期: 5 页: 795-831

DOI: 10.1002/adma.201503825 出版年: FEB 3 2016

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文献类型: Review 语种: English

入藏号: WOS:000369978800001 PubMed ID: 26662346

ISSN: 0935-9648 eISSN: 1521-4095

3. 被引频次 131 (济南大学是第 2 作者单位, 化学化工学院)

Insight into the Electrode Mechanism in Lithium-Sulfur Batteries with Ordered Microporous Carbon Confined Sulfur as the Cathode

作者: Li, Z (Li, Zhen)[1] ; Yuan, LX (Yuan, Lixia)[1] ; Yi, ZQ (Yi, Ziqi)[1] ; Sun, YM (Sun, Yongming)[1] ; Liu, Y (Liu, Yang)[1] ; Jiang, Y (Jiang, Yan)[1] ; Shen, Y (Shen, Yue)[1] ; Xin, Y (Xin, Ying)[2] ; Zhang, ZL (Zhang, Zhaoliang)[2] ; Huang, YH (Huang, Yunhui)[1]

ADVANCED ENERGY MATERIALS 卷: 4 期: 7

文献号: 1301473 DOI: 10.1002/aenm.201301473 出版年: MAY 2014

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文献类型: Article 语种: English

入藏号: WOS:000336503800014 ISSN: 1614-6832 eISSN: 1614-6840

4. 被引频次 54 (济南大学是第 1 作者和通讯作者单位, 物理科学与技术学院)

Formation of Fe₃O₄@MnO₂ ball-in-ball hollow spheres as a high performance catalyst with enhanced catalytic performances

作者: Zhang, SW (Zhang, Shouwei)[1] ; Fan, QH (Fan, Qiaohui)[2] ; Gao, HH (Gao, Huihui)[1] ; Huang, YS (Huang, Yongshun)[3] ; Liu, X (Liu, Xia)[3] ; Li, JX (Li, Jiaying)[3,4] ; Xu, XJ (Xu, Xijin)[1] ; Wang, XK (Wang, Xiangke)[4]

JOURNAL OF MATERIALS CHEMISTRY A 卷: 4 期: 4 页: 1414-1422

DOI: 10.1039/c5ta08400h 出版年: 2016

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文献类型:Article 语种:English

入藏号: WOS:000368837800032 ISSN: 2050-7488 eISSN: 2050-7496

5.被引频次 25 (济南大学是第 1 作者和通讯作者单位, 化学化工学院)

In-situ synthesized polypyrrole-cellulose conductive networks for potential tunable foldable power paper

作者:Zhang, Y (Zhang, Yan)[1]; Li, L (Li, Li)[1]; Zhang, LN (Zhang, Lina)[2]; Ge, SG (Ge, Shenguang)[1,2]; Yan, M (Yan, Mei)[1]; Yu, JH (Yu, Jinghua)[1]

NANO ENERGY 卷: 31 页: 174-182 DOI: 10.1016/j.nanoen.2016.11.029

出版年: JAN 2017

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文献类型:Article 语种:English

入藏号: WOS:000393446500019

ISSN: 2211-2855 eISSN: 2211-3282

6.被引频次 23 (济南大学是第 1 作者和通讯作者单位, 物理科学与技术学院)

Flexible and high energy density asymmetrical supercapacitors based on core/shell conducting polymer nanowires/manganese dioxide nanoflakes

作者:He, WD (He, Weidong)[1]; Wang, CG (Wang, Chenggang)[1]; Zhuge, FW (Zhuge, Fuwei)[2]; Deng, XL (Deng, Xiaolong)[1]; Xu, XJ (Xu, Xijin)[1]; Zhai, TY (Zhai, Tianyou)[2]

NANO ENERGY 卷: 35 页: 242-250

DOI: 10.1016/j.nanoen.2017.03.045 出版年: MAY 2017

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文献类型:Article 语种:English
入藏号: WOS:000400647900028 ISSN: 2211-2855 eISSN: 2211-3282

7.被引频次 23 (济南大学是第 1 作者和通讯作者单位, 材料科学与工程学院)

From unstable CsSnI₃ to air-stable Cs₂SnI₆: A lead-free perovskite solar cell light absorber with bandgap of 1.48 eV and high absorption coefficient

作者:Qiu, XF (Qiu, Xiaofeng)[1]; Cao, BQ (Cao, Bingqiang)[1]; Yuan, S (Yuan, Shuai)[1]; Chen, XF (Chen, Xiangfeng)[1]; Qiu, ZW (Qiu, Zhiwen)[1]; Jiang, YA (Jiang, Yanan)[1]; Ye, Q (Ye, Qian)[2]; Wang, HQ (Wang, Hongqiang)[2]; Zeng, HB (Zeng, Haibo)[3]; Liu, J (Liu, Jian)[4]

SOLAR ENERGY MATERIALS AND SOLAR CELLS 卷: 159 页: 227-234

DOI: 10.1016/j.solmat.2016.09.022

出版年: JAN 2017

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文献类型:Article 语种:English

入藏号: WOS:000388053600027 ISSN: 0927-0248 eISSN: 1879-3398

8.被引频次 19 (济南大学是第 1 作者和通讯作者单位, 化学化工学院)

Cobalt-borate nanowire array as a high-performance catalyst for oxygen evolution reaction in near-neutral media

作者:Ren, X (Ren, Xiang)[1]; Ge, RX (Ge, Ruixiang)[2]; Zhang, Y (Zhang, Yong)[1]; Liu, DN (Liu, Danni)[3]; Wu, D (Wu, Dan)[1]; Sun, X (Sun, Xu)[1]; Du, B (Du, Bin)[1]; Wei, Q (Wei, Qin)[1]

JOURNAL OF MATERIALS CHEMISTRY A 卷: 5 期: 16 页: 7291-7294

DOI: 10.1039/c7ta01027c 出版年: APR 28 2017

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文献类型:Article 语种:English

入藏号: WOS:000399390300005 ISSN: 2050-7488 eISSN: 2050-7496

9.被引频次 18 (济南大学是第 1 作者和通讯作者单位, 材料科学与工程学院)

Recent Advancements in Flexible and Stretchable Electrodes for Electromechanical Sensors: Strategies, Materials, and Features

作者:Zhao, SF (Zhao, Songfang)[1]; Li, JH (Li, Jinhui)[2]; Cao, DX (Cao, Duxia)[1]; Zhang, GP (Zhang, Guoping)[2]; Li, J (Li, Jia)[1]; Li, K (Li, Kui)[1]; Yang, Y (Yang, Yang)[1]; Wang, W (Wang, Wei)[3]; Jin, YF (Jin, Yufeng)[4]; Sun, R (Sun, Rong)[2] ACS APPLIED MATERIALS & INTERFACES 卷:9 期: 14 页: 12147-12164

DOI: 10.1021/acsami.6b13800 出版年: APR 12 2017

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文献类型:Review 语种:English

入藏号: WOS:000399354100001 PubMed ID: 28281337 ISSN: 1944-8244

8.2.4 工程学学科现状分析

工程学 2018 年 5 月大陆高校 ESI 排名如表-11 所示。可以看出排在前 10 位的高校分别是清华大学、哈尔滨工业大学、上海交通大学、浙江大学、西安交通大学、华中科技大学、东南大学、大连理工大学、北京航空航天大学 and 天津大学。在表-11 中，排名第 1 位的清华大学至排名第 127 位的河北科技大学，其工程学学科进入了 ESI 的前 1% 行列。我校的工程学学科按照 ESI 总被引频次在大陆高校排名第 98 位，省内高校第 7 位。

表-11 ESI 工程学大陆高校排名

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
1	Tsinghua University	14593	1.3	141701	78.27	4316
2	Harbin Institute of Technology	9982	1.46	101503	74.46	2660
3	Shanghai Jiao Tong University	11235	1.08	98195	76.54	2833
4	Zhejiang University	9715	1.17	90622	77.08	2841
5	Xi'an Jiaotong University	9111	1.23	76813	74.31	1843
6	Huazhong University of Science & Technology	7339	1.49	71804	77.22	1711
7	Southeast University - China	7392	1.3	68536	72.28	2127
8	Dalian University of Technology	6574	1.07	51591	75.1	1631
9	Beihang University	7806	1	50063	71.28	1669
10	Tianjin University	6242	1.17	49291	72.36	1648
11	Tongji University	5995	1.13	44378	72.33	2045
12	South China University of Technology	4294	1.49	44313	75.8	1000
13	University of Science & Technology of China	4249	1.47	43850	75.81	1144
14	Peking University	3516	1.4	41431	79.24	1099
15	University of Electronic Science & Technology of China	5936	1.13	41110	70	1679
16	University of Chinese Academy of Sciences, CAS	4392	1.25	38172	70.86	659
17	Xidian University	4832	0.93	35875	70.9	841
18	Nanjing University of Aeronautics	4766	1.04	35641	69.11	990

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
	& Astronautics					
19	Beijing Institute of Technology	4672	1.29	35620	70.38	1143
20	Chongqing University	4773	1.14	33563	71.21	1424
21	Hunan University	3369	1.32	29275	74.86	1058
22	Northeastern University – China	3355	1.22	29048	71.77	767
23	Shandong University	3414	1.25	28696	72.91	778
24	North China Electric Power University	3357	1.3	28283	72.86	945
25	Nanjing University of Science & Technology	3456	1.14	27139	71.01	736
26	Beijing Jiaotong University	3638	1.02	24614	69.68	1240
27	Northwestern Polytechnical University	4187	1.2	23402	66.54	1157
28	Central South University	2781	1.67	22976	71.13	752
29	Wuhan University	2916	1.23	22802	70.78	850
30	Nanjing University	1882	1.39	22200	79.49	554
31	China University of Petroleum	3564	1.1	21095	69.58	847
32	Sun Yat Sen University	2165	1.33	20363	76.03	549
33	Shanghai University	2490	1.09	19551	72.05	622
34	National University of Defence Technology – China	3591	0.74	19258	67.92	664
35	East China University of Science & Technology	1923	1.3	17794	75.2	390
36	China University of Mining & Technology	2946	1.15	16651	65.34	694
37	Fudan University	1811	1.04	16339	75.54	667
38	Sichuan University	2435	0.98	16275	70.31	542
39	University of Science & Technology Beijing	2088	1.45	15948	72.65	598
40	Southwest Jiaotong University	2492	1.07	14827	66.01	769
41	Jiangnan University	1211	1.74	14794	76.38	354
42	Xiamen University	1703	1.27	14781	73.17	598
43	Hohai University	2557	0.87	13968	66.48	808
44	Jilin University	2427	0.78	13958	65.22	415
45	Beijing University of Technology	2152	0.91	13453	67.05	473
46	Hefei University of Technology	1751	1.25	12638	68.99	636
47	Donghua University	963	1.45	12614	77.99	316
48	Jiangsu University	1796	1.25	12607	68.43	317
49	Wuhan University of Technology	1857	1.06	12441	64.03	623

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
50	China University of Geosciences	1602	1.35	11946	71.35	553
51	Harbin Engineering University	2341	1.02	11503	62.71	629
52	Beijing University of Posts & Telecommunications	2101	0.8	11453	64.87	565
53	Nankai University	1035	1.49	10842	77.1	231
54	Beijing Normal University	1026	1.58	10817	80.02	374
55	Beijing University of Chemical Technology	977	1.59	10768	75.84	195
56	Zhejiang University of Technology	1231	1.18	9610	71	343
57	Lanzhou University	946	1.31	9551	78.54	177
58	Guangdong University of Technology	1198	1.73	9440	70.12	369
59	Nanjing Tech University	1022	1.16	8557	73.68	272
60	Yanshan University	1424	0.99	7990	69.73	255
61	Liaoning University of Technology	277	4.93	7897	78.7	16
62	Suzhou University	1080	1.33	7666	71.48	311
63	Hangzhou Dianzi University	1010	1.16	7561	64.65	274
64	Dalian Maritime University	818	1.35	7557	67.11	169
65	Fuzhou University	796	1.24	7104	67.96	268
66	Shenzhen University	1133	1.31	6773	70.79	344
67	Nanjing Normal University	655	1.75	6608	73.74	177
68	China Agricultural University	789	0.99	6589	76.17	233
69	Qingdao University	448	2	6356	67.41	120
70	Bohai University	384	4.25	6340	74.48	119
71	Zhengzhou University	803	1.03	6299	68.49	224
72	East China Normal University	732	1.05	6191	73.63	208
73	Taiyuan University of Technology	989	0.99	5960	67.34	259
74	Qufu Normal University	446	1.71	5882	75.56	81
75	PLA University of Science & Technology	1148	0.75	5789	61.24	114
76	Yangzhou University	479	1.56	5700	68.68	175
77	University of Shanghai for Science & Technology	1032	1.02	5410	65.99	302
78	Kunming University of Science & Technology	635	1.33	5271	70.08	166
79	Ocean University of China	714	0.9	5109	69.61	180
80	Wuhan Naval University of Engineering	590	1.08	5065	79.15	12
81	Nanjing University of Posts &	1008	0.96	5063	62.7	231

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
	Telecommunications					
82	Nanjing University of Information Science & Technology	739	1.43	4795	68.47	255
83	Northwest A&F University - China	402	1.59	4442	76.62	128
84	Ningbo University	711	0.96	4434	69.48	165
85	Southwest University - China	540	1.95	4372	74.44	214
86	South China Normal University	460	1.26	4277	75.65	76
87	Guangxi University	628	1.23	4254	71.5	165
88	Zhejiang Normal University	475	1.21	4231	80.42	98
89	Tianjin Polytechnic University	579	1.1	4132	68.57	100
90	Chang'an University	836	0.8	3966	60.53	263
91	Nanchang University	535	1.12	3962	72.34	126
92	Jinan University	561	1.22	3901	69.7	151
93	China Jiliang University	601	0.85	3817	72.71	133
94	Northwest University Xi'an	332	1.57	3804	71.99	69
95	Anhui University	488	1.21	3781	66.39	104
96	Shanghai Maritime University	587	1.32	3758	63.2	246
97	Shandong University of Science & Technology	775	1.42	3756	63.23	178
98	University of Jinan	423	1.42	3748	68.09	82
99	Changsha University of Science & Technology	705	0.87	3733	69.08	252
100	Huaqiao University	532	1.11	3700	68.61	106
101	Nanjing Agricultural University	304	1.55	3674	74.34	73
102	Northeast Normal University - China	283	1.49	3662	71.02	32
103	Henan Polytech University	588	1.08	3660	65.31	104
104	Xiangtan University	441	1.14	3507	65.99	92
105	Shenyang Aerospace University	417	0.97	3450	73.86	46
106	Shanxi University	351	1.44	3398	71.79	104
107	Qingdao University of Science & Technology	351	1.61	3350	76.35	69
108	Xi'an University of Technology	730	0.73	3335	64.52	125
109	Northeast Petroleum University	261	1.61	3276	67.43	71
110	Zhejiang Sci-Tech University	485	1.1	3229	70.1	104
111	Xi'an University of Architecture & Technology	583	0.8	3187	63.98	81
112	Southwest Petroleum University	972	0.94	3148	60.19	145
113	Anhui University of Technology	339	1.55	2945	74.34	83

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
114	Heilongjiang University	286	1.44	2879	72.03	45
115	Wuhan University of Science & Technology	504	1.1	2779	66.67	146
116	Lanzhou University of Technology	433	1.06	2748	63.74	69
117	Qilu University of Technology	359	1.16	2737	73.82	77
118	Beijing Forestry University	304	1.48	2642	71.71	68
119	Nantong University	388	0.97	2590	67.53	74
120	Henan Normal University	267	1.24	2571	69.29	40
121	Shaanxi Normal University	335	1.12	2562	72.54	60
122	Zhejiang A&F University	180	2.38	2560	81.67	41
123	Chongqing University of Posts & Telecommunications	473	0.99	2507	58.99	112
124	Jiangsu University of Science & Technology	463	1.1	2445	61.56	139
125	China Three Gorges University	312	1.05	2433	65.38	58
126	Jiangsu Normal University	258	1.51	2432	74.42	76
127	Hebei University of Science & Technology	198	1.26	2425	79.8	39

我校工程学共有 18 篇高被引论文，如图-11 所示：

1	FABRICATION OF NOVEL MAGNETIC CHITOSAN GRAFTED WITH GRAPHENE OXIDE TO ENHANCE ADSORPTION PROPERTIES FOR METHYL BLUE	Times Cited: 218
	By: FAN, LL; LUO, CN; LI, XJ; et.al Source: J HAZARD MATER 215: 272-279 MAY 15 2012 Research Fields: ENGINEERING	
2	ADSORPTION OF PHOSPHATE FROM AQUEOUS SOLUTION BY HYDROXY-ALUMINUM, HYDROXY-IRON AND HYDROXY-IRON-ALUMINUM PILLARED BENTONITES	Times Cited: 127
	By: YAN, LG; XU, YY; YU, HQ; et.al Source: J HAZARD MATER 179 (1-3): 244-250 JUL 15 2010 Research Fields: ENGINEERING	
3	SYNTHESIS OF AMINO FUNCTIONALIZED MAGNETIC GRAPHENES COMPOSITE MATERIAL AND ITS APPLICATION TO REMOVE CR(VI), PB(II), HG(II), CD(II) AND NI(II) FROM CONTAMINATED WATER	Times Cited: 126  Research Front
	By: GUO, XY; DU, B; WEI, Q; et.al Source: J HAZARD MATER 278: 211-220 AUG 15 2014 Research Fields: ENGINEERING	
4	HIGHLY EFFICIENT REMOVAL OF HEAVY METAL IONS BY AMINE-FUNCTIONALIZED MESOPOROUS FE3O4 NANOPARTICLES	Times Cited: 123
	By: XIN, X; WEI, Q; YANG, J; et.al Source: CHEM ENG J 184: 132-140 MAR 1 2012 Research Fields: ENGINEERING	

5	AG3PO4/GRAPHENE-OXIDE COMPOSITE WITH REMARKABLY ENHANCED VISIBLE-LIGHT-DRIVEN PHOTOCATALYTIC ACTIVITY TOWARD DYES IN WATER	Times Cited: 106  Research Front
	By: CHEN, GD; SUN, M; WEI, Q; et.al Source: J HAZARD MATER 244: 86-93 JAN 15 2013 Research Fields: ENGINEERING	
6	EDTA FUNCTIONALIZED MAGNETIC GRAPHENE OXIDE FOR REMOVAL OF PB(II), HG(II) AND CU(II) IN WATER TREATMENT: ADSORPTION MECHANISM AND SEPARATION PROPERTY	Times Cited: 93  Research Front
	By: CUI, LM; WANG, YG; GAO, L; et.al Source: CHEM ENG J 281: 1-10 DEC 1 2015 Research Fields: ENGINEERING	
7	ENVIRONMENTAL EFFICIENCY EVALUATION BASED ON DATA ENVELOPMENT ANALYSIS: A REVIEW	Times Cited: 91
	By: SONG, ML; AN, QX; ZHANG, W; et.al Source: RENEW SUSTAIN ENERGY REV 16 (7): 4465-4469 SEP 2012 Research Fields: ENGINEERING	
8	HETEROGENEOUS ACTIVATION OF OXONE BY COXFE3-XO4 NANOCATALYSTS FOR DEGRADATION OF RHODAMINE B	Times Cited: 85  Research Front
	By: SU, SN; GUO, WL; LENG, YQ; et.al Source: J HAZARD MATER 244: 736-742 JAN 15 2013 Research Fields: ENGINEERING	
9	CHINA'S REGIONAL ENERGY AND ENVIRONMENTAL EFFICIENCY: A DEA WINDOW ANALYSIS BASED DYNAMIC EVALUATION	Times Cited: 84
	By: WANG, K; YU, SW; ZHANG, W; Source: MATH COMPUT MODELLING 58 (5-6): 1117-1127 SEP 2013 Research Fields: ENGINEERING	
10	NANOPOROUS PTCO AND PTNI ALLOY RIBBONS FOR METHANOL ELECTROOXIDATION	Times Cited: 72
	By: XU, CX; HOU, JG; PANG, XH; et.al Source: INT J HYDROGEN ENERG 37 (14): 10489-10498 JUL 2012 Research Fields: ENGINEERING	
11	MAGNETIC FE3O4/MGAL-LDH COMPOSITE FOR EFFECTIVE REMOVAL OF THREE RED DYES FROM AQUEOUS SOLUTION	Times Cited: 60
	By: SHAN, RR; YAN, LG; YANG, K; et.al Source: CHEM ENG J 252: 38-46 SEP 15 2014 Research Fields: ENGINEERING	
12	STABILITY ANALYSIS OF A CLASS OF HYBRID STOCHASTIC RETARDED SYSTEMS UNDER ASYNCHRONOUS SWITCHING	Times Cited: 53  Research Front
	By: KANG, Y; ZHAI, DH; LIU, GP; et.al Source: IEEE TRANS AUTOMAT CONTR 59 (6): 1511-1523 JUN 2014 Research Fields: ENGINEERING	
13	ADSORPTION OF CD(II) BY MG-AL-CO3- AND MAGNETIC FE3O4/MG-AL-CO3-LAYERED DOUBLE HYDROXIDES: KINETIC, ISOTHERMAL, THERMODYNAMIC AND MECHANISTIC STUDIES	Times Cited: 51
	By: SHAN, RR; YAN, LG; YANG, K; et.al Source: J HAZARD MATER 299: 42-49 DEC 15 2015 Research Fields: ENGINEERING	
14	EXTRACELLULAR POLYMERIC SUBSTANCES FOR ZN (II) BINDING DURING ITS SORPTION PROCESS ONTO AEROBIC GRANULAR SLUDGE	Times Cited: 29
	By: WEI, D; LI, MT; WANG, XD; et.al Source: J HAZARD MATER 301: 407-415 JAN 15 2016 Research Fields: ENGINEERING	

15	AIR POLLUTION AND CONTROL ACTION IN BEIJING By: ZHANG, HF; WANG, SX; HAO, JM; et.al Source: J CLEAN PROD 112: 1519-1527 PART 2 JAN 20 2016 Research Fields: ENGINEERING	Times Cited: 23
16	DECOMPOSITION ANALYSIS OF FACTORS AFFECTING CARBON DIOXIDE EMISSIONS ACROSS PROVINCES IN CHINA By: LI, AJ; ZHANG, AZ; ZHOU, YX; et.al Source: J CLEAN PROD 141: 1428-1444 JAN 10 2017 Research Fields: ENGINEERING	Times Cited: 20
17	RICE HUSKS AS A SUSTAINABLE SILICA SOURCE FOR HIERARCHICAL FLOWER-LIKE METAL SILICATE ARCHITECTURES ASSEMBLED INTO ULTRATHIN NANOSHEETS FOR ADSORPTION AND CATALYSIS By: ZHANG, SW; GAO, HH; LI, JX; et.al Source: J HAZARD MATER 321: 92-102 JAN 5 2017 Research Fields: ENGINEERING	Times Cited: 18
18	ROBUST NOISE REGION-BASED ACTIVE CONTOUR MODEL VIA LOCAL SIMILARITY FACTOR FOR IMAGE SEGMENTATION By: NIU, SJ; CHEN, Q; DE SISTERNES, L; et.al Source: PATT RECOG 61: 104-119 SP. ISS. SI JAN 2017 Research Fields: ENGINEERING	Times Cited: 12  Research Front

图-11 济南大学工程学高被引论文

详细记录：

1.被引频次 218（济南大学是第 1 作者和通讯作者单位，化学化工学院）

Fabrication of novel magnetic chitosan grafted with graphene oxide to enhance adsorption properties for methyl blue

作者:Fan, LL (Fan, Lulu)[1] ; Luo, CN (Luo, Chuannan)[1] ; Li, XJ (Li, Xiangjun)[1] ; Lu, FG (Lu, Fuguang)[1] ; Qiu, HM (Qiu, Huamin)[1] ; Sun, M (Sun, Min)[1]

JOURNAL OF HAZARDOUS MATERIALS 卷: 215 页: 272-279

DOI: 10.1016/j.jhazmat.2012.02.068

出版年: MAY 15 2012

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文献类型:Article 语种:English

入藏号: WOS:000303306400034

PubMed ID: 22429622 ISSN: 0304-3894

2.被引频次 127（济南大学是第 1 作者和通讯作者单位，水利与环境学院）

Adsorption of phosphate from aqueous solution by hydroxy-aluminum, hydroxy-iron and hydroxy-iron-aluminum pillared bentonites

作者:Yan, LG (Yan, Liang-guo)[1] ; Xu, YY (Xu, Yuan-yuan)[2] ; Yu, HQ (Yu, Hai-qin)[2,3] ; Xin, XD (Xin, Xiao-dong)[1] ; Wei, Q (Wei, Qin)[2] ; Du, B (Du, Bin)[1]

JOURNAL OF HAZARDOUS MATERIALS 卷: 179 期: 1-3 页: 244-250

DOI: 10.1016/j.jhazmat.2010.02.086

出版年: JUL 15 2010

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文献类型:Article 语种:English

入藏号: WOS:000278626700035

PubMed ID: 20334967 ISSN: 0304-3894 eISSN: 1873-3336

3.被引频次 126 (济南大学是第 1 作者和通讯作者单位, 水利与环境学院)

Synthesis of amino functionalized magnetic graphenes composite material and its application to remove Cr(VI), Pb(II), Hg(II), Cd(II) and Ni(II) from contaminated water

作者:Guo, XY (Guo, Xiaoyao)[1] ; Du, B (Du, Bin)[1] ; Wei, Q (Wei, Qin)[2] ; Yang, J (Yang, Jian)[1] ; Hu, LH (Hu, Lihua)[2] ; Yan, LG (Yan, Liangguo)[1] ; Xu, WY (Xu, Weiying)[1]

JOURNAL OF HAZARDOUS MATERIALS 卷: 278 页: 211-220

DOI: 10.1016/j.jhazmat.2014.05.075

出版年: AUG 15 2014

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文献类型:Article 语种:English

入藏号: WOS:000340689100026

PubMed ID: 25016452 ISSN: 0304-3894 eISSN: 1873-3336

4.被引频次 123 (济南大学是第 1 作者和通讯作者单位, 水利与环境学院)

Highly efficient removal of heavy metal ions by amine-functionalized mesoporous Fe₃O₄ nanoparticles

作者:Xin, X (Xin, Xiaodong)[1] ; Wei, Q (Wei, Qin)[2] ; Yang, J (Yang, Jian)[1] ; Yan, L (Yan, Liangguo)[1] ; Feng, R (Feng, Rui)[1] ; Chen, G (Chen, Guodong)[2] ; Du, B (Du, Bin)[1] ; Li, H (Li, He)[2,3]

CHEMICAL ENGINEERING JOURNAL 卷: 184 页: 132-140

DOI: 10.1016/j.cej.2012.01.016

出版年: MAR 1 2012

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文献类型:Article 语种:English

入藏号: WOS:000301908100016 ISSN: 1385-8947

5.被引频次 106 (济南大学是第 1 作者和通讯作者单位, 水利与环境学院)

Ag₃PO₄/graphene-oxide composite with remarkably enhanced visible-light-driven photocatalytic activity toward dyes in water

作者:Chen, GD (Chen, Guodong)[2] ; Sun, M (Sun, Meng)[1] ; Wei, Q (Wei, Qin)[2] ; Zhang, YF (Zhang, Yongfang)[1] ; Zhu, BC (Zhu, Baocun)[1] ; Du, B (Du, Bin)[1,2]

JOURNAL OF HAZARDOUS MATERIALS 卷: 244 页: 86-93

DOI: 10.1016/j.jhazmat.2012.11.032

出版年: JAN 15 2013

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文献类型:Article 语种:English

入藏号: WOS:000315001000011

PubMed ID: 23246944 ISSN: 0304-3894

6.被引频次 93 (济南大学是第 1 作者和通讯作者单位, 水利与环境学院)

EDTA functionalized magnetic graphene oxide for removal of Pb(II), Hg(II) and Cu(II) in water treatment: Adsorption mechanism and separation property

作者:Cui, LM (Cui, Limei)[1] ; Wang, YG (Wang, Yaoguang)[2] ; Gao, L (Gao, Liang)[2] ; Hu, LH (Hu, Lihua)[2] ; Yan, LG (Yan, Liangguo)[1] ; Wei, Q (Wei, Qin)[2] ; Du, B (Du, Bin)[1]

CHEMICAL ENGINEERING JOURNAL 卷: 281 页: 1-10

DOI: 10.1016/j.cej.2015.06.043

出版年: DEC 1 2015

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文献类型:Article 语种:English
入藏号: WOS:000362308200001
ISSN: 1385-8947 eISSN: 1873-3212

7.被引频次 91 (济南大学是第 3 作者单位, 商学院)

Environmental efficiency evaluation based on data envelopment analysis: A review
作者:Song, ML (Song, Malin)[1] ; An, QX (An, Qingxian)[2] ; Zhang, W (Zhang, Wei)[3] ;
Wang, ZY (Wang, Zeya)[1] ; Wu, J (Wu, Jie)[2]
RENEWABLE & SUSTAINABLE ENERGY REVIEWS 卷: 16 期: 7 页: 4465-4469
DOI: 10.1016/j.rser.2012.04.052
出版年: SEP 2012
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电子邮件地址:songml@aufe.edu.cn
文献类型:Review 语种:English
入藏号: WOS:000307909800012 ISSN: 1364-0321

8、被引频次 85 (济南大学是第 1 作者和通讯作者单位, 水利与环境学院)

Heterogeneous activation of Oxone by $\text{CoFe}_3\text{-xO}_4$ nanocatalysts for degradation of
rhodamine B
作者:Su, SN (Su, Shengnan)[1] ; Guo, WL (Guo, Weilin)[1] ; Leng, YQ (Leng, Yanqiu)[1] ; Yi,
CL (Yi, Chunliang)[1] ; Ma, ZM (Ma, Zhenmin)[1]
JOURNAL OF HAZARDOUS MATERIALS 卷: 244 页: 736-742
DOI: 10.1016/j.jhazmat.2012.11.005
出版年: JAN 15 2013
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文献类型:Article 语种:English
入藏号: WOS:000315001000086
PubMed ID: 23195597 ISSN: 0304-3894

9.被引频次 84 (济南大学是通讯作者单位, 但是非第 1 作者单位, 商学院)

China's regional energy and environmental efficiency: A DEA window analysis based dynamic
evaluation
作者:Wang, K (Wang, Ke)[1,2] ; Yu, SW (Yu, Shiwei)[2,3] ; Zhang, W (Zhang, Wei)[4]
MATHEMATICAL AND COMPUTER MODELLING 卷: 58 期: 5-6 页: 1117-1127

DOI: 10.1016/j.mcm.2011.11.067

出版年: SEP 2013

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入藏号: WOS:000321700400024

ISSN: 0895-7177 eISSN: 1872-9479

10.被引频次 72 (济南大学是第 1 作者和通讯作者单位, 化学化工学院)

Nanoporous PtCo and PtNi alloy ribbons for methanol electrooxidation

作者:Xu, CX (Xu, Caixia)[1] ; Hou, JG (Hou, Jiagang)[1] ; Pang, XH (Pang, Xuehui)[1] ; Li, XJ

(Li, Xiaojing)[1] ; Zhu, ML (Zhu, Minglin)[1] ; Tang, BY (Tang, Bangying)[1]

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY 卷: 37 期: 14 页: 10489-10498

DOI: 10.1016/j.ijhydene.2012.04.041

出版年: JUL 2012

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文献类型:Article 语种:English

入藏号: WOS:000306391100002 ISSN: 0360-3199

11、被引频次 60 (济南大学是第 1 作者和通讯作者单位, 水利与环境学院)

Magnetic Fe₃O₄/MgAl-LDH composite for effective removal of three red dyes from aqueous solution

作者:Shan, RR (Shan, Ran-ran)[1] ; Yan, LG (Yan, Liang-guo)[1] ; Yang, K (Yang, Kun)[1] ; Yu, SJ (Yu, Shu-jun)[1] ; Hao, YF (Hao, Yuan-feng)[1] ; Yu, HQ (Yu, Hai-qin)[1] ; Du, B (Du, Bin)[1]

CHEMICAL ENGINEERING JOURNAL 卷: 252 页: 38-46

DOI: 10.1016/j.cej.2014.04.105

出版年: SEP 15 2014

作者信息

通讯作者地址: Yan, LG (通讯作者)

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文献类型:Article 语种:English

入藏号: WOS:000339601000006

ISSN: 1385-8947 eISSN: 1873-3212

12.被引频次 53 (济南大学是第 7 作者单位, 自动化与电气工程学院)

Stability Analysis of A Class of Hybrid Stochastic Retarded Systems Under Asynchronous Switching

作者:Kang, Y (Kang, Yu)[1,2] ; Zhai, DH (Zhai, Di-Hua)[3] ; Liu, GP (Liu, Guo-Ping)[4,5] ; Zhao, YB (Zhao, Yun-Bo)[6,5] ; Zhao, P (Zhao, Ping)[7]

IEEE TRANSACTIONS ON AUTOMATIC CONTROL

卷: 59 期: 6 页: 1511-1523

DOI: 10.1109/TAC.2014.2305931

出版年: JUN 2014

作者信息

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[7] Univ Jinan, Sch Elect Engn, Jinan, Shandong, Peoples R China

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文献类型:Article 语种:English

入藏号: WOS:000337134000009

ISSN: 0018-9286 eISSN: 1558-2523

13.被引频次 51 (济南大学是第 1 作者和通讯作者单位, 水利与环境学院)

Adsorption of Cd(II) by Mg-Al-CO₃- and magnetic Fe₃O₄/Mg-Al-CO₃-layered double hydroxides: Kinetic, isothermal, thermodynamic and mechanistic studies

作者:Shan, RR (Shan, Ran-ran)[1] ; Yan, LG (Yan, Liang-guo)[1] ; Yang, K (Yang, Kun)[1] ; Hao, YF (Hao, Yuan-feng)[1] ; Du, B (Du, Bin)[1]

JOURNAL OF HAZARDOUS MATERIALS 卷: 299 页: 42-49

DOI: 10.1016/j.jhazmat.2015.06.003

出版年: DEC 15 2015

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文献类型:Article 语种:English

入藏号: WOS:000367411000006

PubMed ID: 26073520 ISSN: 0304-3894 SN: 1873-3336

14.引频次 29 (济南大学是第 1 作者和通讯作者单位, 水利与环境学院)

Extracellular polymeric substances for Zn (II) binding during its sorption process onto aerobic granular sludge

作者:Wei, D (Wei, Dong)[1,3] ; Li, MT (Li, Mengting)[1] ; Wang, XD (Wang, Xiaodong)[1,3] ; Han, F (Han, Fei)[1] ; Li, LS (Li, Lusheng)[1] ; Guo, J (Guo, Jie)[1] ; Ai, LJ (Ai, Lijie)[1] ; Fang, LL (Fang, Lulu)[1] ; Liu, L (Liu, Ling)[1] ; Du, B (Du, Bin)[1] 更多内容

JOURNAL OF HAZARDOUS MATERIALS 卷: 301 页: 407-415

DOI: 10.1016/j.jhazmat.2015.09.018

出版年: JAN 15 2016

作者信息

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文献类型:Article 语种:English

入藏号:WOS:000367407200044

PubMed ID: 26410269 ISSN: 0304-3894 eISSN: 1873-3336

15.被引频次 23 (非济南大学文章)

Air pollution and control action in Beijing

作者:Zhang, HF (Zhang, Hefeng)[1] ; Wang, SX (Wang, Shuxiao)[2] ; Hao, JM (Hao, Jiming)[2] ; Wang, XM (Wang, Xinming)[3] ; Wang, SL (Wang, Shulan)[1] ; Chai, FH (Chai, Fahe)[1] ; Li, M (Li, Mei)[4]

JOURNAL OF CLEANER PRODUCTION 卷: 112 页: 1519-1527 子辑: 2

DOI: 10.1016/j.jclepro.2015.04.092

出版年: JAN 20 2016 文献类型:Review

作者信息

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[2] Tsinghua Univ, Sch Environm, State Key Joint Lab Environm Simulat & Pollut Con, Beijing 100084, Peoples R China

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[4] Jinan Univ, Atmospher Environm Inst Safety & Pollut Control, Jinan 510632, Guangdong, Peoples R China

语种:English

入藏号: WOS:000368206800026 ISSN: 0959-6526 eISSN: 1879-1786

16.被引频次 20 (济南大学是第 2 作者单位, 外国语学院)

Decomposition analysis of factors affecting carbon dioxide emissions across provinces in China

作者:Li, AJ (Li, Aijun)[1]; Zhang, AZ (Zhang, Aizhen)[2]; Zhou, YX (Zhou,Yuxia)[3,4]; Yao, X (Yao, Xin)[3,4]

JOURNAL OF CLEANER PRODUCTION 卷: 141 页: 1428-1444

DOI: 10.1016/j.jclepro.2016.09.206

出版年: JAN 10 2017

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文献类型:Article 语种:English

入藏号: WOS:000389090300131 ISSN: 0959-6526 eISSN: 1879-1786

17.被引频次 18 (济南大学是第 1 作者和通讯作者单位, 物理科学与技术学院)

Rice husks as a sustainable silica source for hierarchical flower-like metal silicate architectures assembled into ultrathin nanosheets for adsorption and catalysis

作者:Zhang, SW (Zhang, Shouwei)[1,2]; Gao, HH (Gao, Huihui)[1]; Li, JX (Li, Jiaying)[2,3]; Huang, YS (Huang, Yongshun)[2]; Alsaedi, A (Alsaedi, Ahmed)[3]; Hayat, T (Hayat, Tasawar)[3,4]; Xu, XJ (Xu, Xijin)[1]; Wang, XK (Wang, Xiangke)[3]

JOURNAL OF HAZARDOUS MATERIALS 卷: 321 页: 92-102

DOI: 10.1016/j.jhazmat.2016.09.004

出版年: JAN 5 2017

作者信息

通讯作者地址: Li, JX; Xu, XJ (通讯作者)

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[3] King Abdulaziz Univ, Fac Sci, NAAM Res Grp, Jeddah 21589, Saudi Arabia

[4] Quaid I Azam Univ, Dept Math, Islamabad 44000, Pakistan

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文献类型:Article 语种:English

入藏号: WOS:000388777300011

PubMed ID: 27614322 ISSN: 0304-3894 eISSN: 1873-3336

18.被引频次 12 (济南大学是第 1 作者单位, 信息科学与工程学院)

Robust noise region-based active contour model via local similarity factor for image segmentation

作者:Niu, SJ (Niu, Sijie)[1,2,3] ; Chen, Q (Chen, Qiang)[2] ; de Sisternes, L (de Sisternes, Luis)[3] ; Ji, ZX (Ji, Zexuan)[2] ; Zhou, ZM (Zhou, Zeming)[4] ; Rubin, DL (Rubin, Daniel L.)(3,5]

PATTERN RECOGNITION 卷: 61 页: 104-119

特刊: SI

DOI: 10.1016/j.patcog.2016.07.022 出版年: JAN 2017

作者信息

通讯作者地址: Chen, Q (通讯作者)

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[2] Nanjing Univ Sci & Technol, Sch Comp Sci & Engrn, Nanjing 210094, Jiangsu, Peoples R China

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文献类型:Article 语种:English

入藏号: WOS:000385899400008 ISSN: 0031-3203 eISSN: 1873-5142

8.3 济南大学未进入前 1%学科学科分析

8.3.1 物理学学科现状分析

物理学 2018 年 5 月大陆高校 ESI 排名如表-12 所示。可以看出排在前 10 位的高校分别是清华大学、北京大学、中国科学技术大学、南京大学、浙江大学、上海交通大学、中国科学院大学、山东大学、复旦大学和华中科技大学。排名第 1 位的清华大学至排名第 33 位的厦门大学, 其物理学学科进入了 ESI 的前 1% 行列。我校的物理学学科按照 ESI 总被引频次在大陆高校排名第 99 位, 省内高校第 4 位。

表-12 ESI 物理学大陆高校排名

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
1	Tsinghua University	10738	1.54	155924	82.96	3929
2	Peking University	9904	1.49	150788	83.32	4008
3	University of Science & Technology of China	10728	1.33	146377	79.92	4105
4	Nanjing University	7506	1.32	96425	81.48	2541
5	Zhejiang University	7122	1.11	87549	83.63	2592
6	Shanghai Jiao Tong University	6372	1.26	73455	79.87	2500
7	University of Chinese Academy of Sciences, CAS	9654	0.83	70659	71.72	1676
8	Shandong University	4632	1.46	67637	83.44	1851
9	Fudan University	4514	1.3	60480	82.32	1662
10	Huazhong University of Science & Technology	6117	0.97	54739	78.72	1229
11	Sun Yat Sen University	3186	1.7	49847	83.33	1355
12	Harbin Institute of Technology	5613	0.73	42763	78.87	1137
13	Jilin University	3892	0.98	41117	80.45	893
14	Xi'an Jiaotong University	4866	0.84	40889	76.55	1408
15	Nankai University	3136	1.25	38933	81.7	944
16	Southeast University - China	3329	1.14	37980	80.32	825
17	Beihang University	4033	1.14	35728	77.54	1377
18	Central China Normal University	2069	1.79	33933	82.21	1241
19	Lanzhou University	3332	0.95	32819	81.03	876
20	University of Electronic Science & Technology of China	4297	0.77	31960	77.61	1158
21	Suzhou University	2460	1.34	28922	82.11	794
22	Dalian University of Technology	3316	0.76	28881	80.01	672
23	Beijing Normal University	2635	1.02	27616	80	654
24	Shanghai University	2968	0.83	25449	78	767
25	Wuhan University	2257	1.17	24851	79	673
26	Tianjin University	3212	0.81	23989	76	695
27	Beijing Institute of Technology	2738	0.88	23877	76.11	642
28	Sichuan University	3587	0.62	22166	75.47	654
29	South China University of Technology	1873	1.24	21813	79.34	348
30	East China Normal University	2307	0.83	21390	78.98	580
31	National University of Defence Technology - China	2976	0.73	20635	77.82	410

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
32	Hunan University	1783	1.2	20164	81.38	447
33	Xiamen University	1843	1.07	18474	78.24	613
34	Beijing University of Posts & Telecommunications	2625	0.74	18463	75.92	374
35	Tongji University	2042	0.87	16826	78.4	531
36	South China Normal University	2005	0.71	16076	77.46	289
37	Chongqing University	1957	0.93	15869	76.24	402
38	University of Science & Technology Beijing	1885	0.86	15580	77.61	502
39	Northwestern Polytechnical University	2451	0.69	14612	74.83	489
40	Nanjing University of Aeronautics & Astronautics	1632	0.88	14230	77.02	267
41	Renmin University of China	655	1.95	13419	80.46	262
42	Wuhan University of Technology	996	1.35	13295	76.91	295
43	Shenzhen University	1502	1.24	12881	73.64	354
44	Nanjing University of Science & Technology	1796	0.78	12551	75	362
45	Xidian University	2309	0.55	12421	73.62	183
46	Beijing Jiaotong University	1882	0.72	12406	74.81	349
47	Shanxi University	1760	0.87	12107	71.08	442
48	Central South University	1578	0.98	11334	75.79	358
49	East China University of Science & Technology	862	1.19	10913	80.86	210
50	Ningbo University	1375	0.78	10527	77.45	235
51	Beijing University of Technology	1477	0.75	10293	73.93	289
52	Xiangtan University	1083	0.87	10114	83.75	245
53	Zhejiang Normal University	912	0.94	10047	83.77	181
54	Henan Normal University	1228	0.9	9989	79.48	311
55	Hangzhou Normal University	724	1.31	9220	83.56	324
56	Anhui University	1252	0.72	9131	75.32	144
57	Northeastern University - China	1171	0.83	8786	74.81	244
58	Nanjing Normal University	1126	1.02	8475	75.22	335
59	Northeast Normal University - China	675	0.84	8388	73.63	93
60	Fuzhou University	860	0.97	8365	75.58	129
61	Donghua University	614	1.08	8358	79.97	156
62	University of Shanghai for Science & Technology	1249	0.67	8167	73.34	287

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
63	Zhengzhou University	1076	1.04	8087	76.95	318
64	Hunan Normal University	1060	0.76	8007	76.51	120
65	Nanjing University of Posts & Telecommunications	1155	0.98	7983	72.47	193
66	Southwest Jiaotong University	1402	0.58	7904	72.04	332
67	Beijing University of Chemical Technology	619	1.17	7038	79.81	121
68	North China Electric Power University	875	1.01	7035	70.97	101
69	Yanshan University	963	0.7	6799	77.78	161
70	Southwest University - China	777	1.27	6790	75.55	219
71	Jiangsu University	1117	0.65	6659	72.78	119
72	Nanchang University	906	0.72	6601	77.81	89
73	Capital Normal University	848	0.68	6536	77.48	261
74	China University of Mining & Technology	1002	0.8	6377	75.75	151
75	China Jiliang University	817	0.76	6354	77.97	151
76	Guangxi University	706	0.96	6114	77.2	266
77	Harbin Engineering University	928	0.75	6039	71.12	162
78	Guangxi Normal University	618	1.1	5995	80.42	267
79	Shaanxi Normal University	1024	0.65	5802	72.27	146
80	Nanjing Tech University	485	1.6	5653	76.29	121
81	Taiyuan University of Technology	765	0.84	5511	70.72	91
82	Northwest University Xi'an	766	0.79	5464	77.55	145
83	Changchun University of Science & Technology	984	0.46	4933	69.31	69
84	Henan University	661	0.75	4844	77.46	78
85	Jiangxi Normal University	695	0.59	4834	74.68	52
86	Jinan University	657	0.9	4782	73.36	152
87	Hebei Normal University	641	0.72	4655	80.97	66
88	Yunnan University	592	0.7	4653	78.72	115
89	Hebei University of Technology	777	0.58	4648	74.39	138
90	China University of Petroleum	849	0.65	4647	70.2	197
91	Sichuan Normal University	515	0.79	4437	79.42	63
92	China University of Geosciences	660	0.74	4421	72.58	130
93	Hefei University of Technology	711	0.76	4364	73.7	132
94	Zhejiang University of Technology	703	0.77	4219	75.11	221
95	Liaoning University	446	1.05	4189	80.72	212
96	Northwest Normal University -	741	0.58	4126	73.68	107

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
	China					
97	Qingdao University	493	0.88	4126	76.88	174
98	Jiangnan University	658	0.72	4069	71.58	73
99	University of Jinan	507	0.9	3932	76.92	63
100	Shandong Normal University	699	0.6	3875	75.54	72

我校物理学共有 6 篇高被引论文，如图-12 所示：

- 1** **EPITAXIAL GROWTH OF LARGE-GAP QUANTUM SPIN HALL INSULATOR ON SEMICONDUCTOR SURFACE** Times Cited: 85

By: ZHOU, M; MING, WM; LIU, Z; et.al
Source: PROC NAT ACAD SCI USA 111 (40): 14378-14381 OCT 7 2014
Research Fields: PHYSICS Research Front
- 2** **A BAMBOO-INSPIRED NANOSTRUCTURE DESIGN FOR FLEXIBLE, FOLDABLE, AND TWISTABLE ENERGY STORAGE DEVICES** Times Cited: 79

By: SUN, YM; SILLS, RB; HU, XL; et.al
Source: NANO LETT 15 (6): 3899-3906 JUN 2015
Research Fields: PHYSICS
- 3** **ETHYNYL-FUNCTIONALIZED STANENE FILM: A PROMISING CANDIDATE AS LARGE-GAP QUANTUM SPIN HALL INSULATOR** Times Cited: 64

By: ZHANG, RW; ZHANG, CW; JI, WX; et.al
Source: NEW J PHYS 17: - AUG 10 2015
Research Fields: PHYSICS Research Front
- 4** **UNEXPECTED GIANT-GAP QUANTUM SPIN HALL INSULATOR IN CHEMICALLY DECORATED PLUMBENE MONOLAYER** Times Cited: 55

By: ZHAO, H; ZHANG, CW; JI, WX; et.al
Source: SCI REP 6: - FEB 2 2016
Research Fields: PHYSICS Research Front
- 5** **CONTROLLABLE BAND STRUCTURE AND TOPOLOGICAL PHASE TRANSITION IN TWO-DIMENSIONAL HYDROGENATED ARSENENE** Times Cited: 36

By: WANG, YP; JI, WX; ZHANG, CW; et.al
Source: SCI REP 6: - FEB 3 2016
Research Fields: PHYSICS
- 6** **NANOMATERIALS-MODIFIED CELLULOSE PAPER AS A PLATFORM FOR BIOSENSING APPLICATIONS** Times Cited: 15

By: GE, SG; ZHANG, LN; ZHANG, Y; et.al
Source: NANOSCALE 9 (13): 4366-4382 APR 7 2017
Research Fields: PHYSICS Research Front

图-12 济南大学物理学高被引论文

详细记录：

1.被引频次 85（济南大学是第 2 作者单位，物理科学与技术学院）

Epitaxial growth of large-gap quantum spin Hall insulator on semiconductor surface

作者:Zhou, M (Zhou, Miao)[1] ; Ming, WM (Ming, Wenmei)[1] ; Liu, Z (Liu, Zheng)[1] ;

Wang, ZF (Wang, Zhengfei)[1] ; Li, P (Li, Ping)[1,2] ; Liu, F (Liu, Feng)[1,3]
PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF
AMERICA 卷: 111 期: 40 页: 14378-14381
DOI: 10.1073/pnas.1409701111
出版年: OCT 7 2014
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电子邮件地址:fliu@eng.utah.edu
文献类型:Article 语种:English
入藏号: WOS:000342633900032 PubMed ID: 25246584 ISSN: 0027-8424

2.被引频次 79 (济南大学是第 7 作者单位, 化学化工学院)

A Bamboo-Inspired Nanostructure Design for Flexible, Foldable, and Twistable Energy
Storage Devices
作者:Sun, YM (Sun, Yongming)[1,4] ; Sills, RB (Sills, Ryan B.)[5,6] ; Hu, XL (Hu, Xianluo)[1] ;
Seh, ZW (Seh, Zhi Wei)[4] ; Xiao, X (Xiao, Xu)[2,3] ; Xui, HH (Xui, Henghui)[1] ; Luo, W (Luo,
Wei)[1] ; Jin, HY (Jin, Huanyu)[2,3] ; Xin, Y (Xin, Ying)[7] ; Li, TQ (Li, Tianqi)[2,3]
NANO LETTERS 卷: 15 期: 6 页: 3899-3906
DOI: 10.1021/acs.nanolett.5b00738 出版年: JUN 2015
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[7] Univ Jinan, Sch Chem & Chem Engr, Jinan 250022, Peoples R China
[8] SLAC Natl Accelerator Lab, Stanford Inst Mat & Energy Sci, Menlo Pk, CA 94025 USA
电子邮件地址:huxl@mail.hust.edu.cn; huangyh@mail.hust.edu.cn; yicui@stanford.edu
文献类型:Article 语种:English
入藏号: WOS:000356316900037
PubMed ID: 26011653 ISSN: 1530-6984 eISSN: 1530-6992

3.被引频次 64 (济南大学是第 1 作者和通讯作者单位, 物理科学与技术学院)

Ethynyl-functionalized stanene film: a promising candidate as large-gap quantum spin Hall insulator

作者:Zhang, RW (Zhang, Run-Wu)[1] ; Zhang, CW (Zhang, Chang-Wen)[1] ; Ji, WX (Ji, Wei-Xiao)[1] ; Li, SS (Li, Sheng-Shi)[1,2] ; Hu, SJ (Hu, Shu-Jun)[2] ; Yan, SS (Yan, Shi-Shen)[2] ; Li, P (Li, Ping)[1] ; Wang, PJ (Wang, Pei-Ji)[1] ; Li, F (Li, Feng)[1]

NEW JOURNAL OF PHYSICS 卷: 17 文献号: 083036

DOI: 10.1088/1367-2630/17/8/083036

出版年: AUG 10 2015

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文献类型:Article 语种:English

入藏号: WOS:000360956600004 ISSN: 1367-2630

4.被引频次 55 (济南大学是第 1 作者和通讯作者单位, 物理科学与技术学院)

Unexpected Giant-Gap Quantum Spin Hall Insulator in Chemically Decorated Plumbene Monolayer

作者:Zhao, H (Zhao, Hui)[1] ; Zhang, CW (Zhang, Chang-wen)[1] ; Ji, WX (Ji, Wei-xiao)[1] ; Zhang, RW (Zhang, Run-wu)[1] ; Li, SS (Li, Sheng-shi)[2] ; Yan, SS (Yan, Shi-shen)[2] ; Zhang, BM (Zhang, Bao-min)[1] ; Li, P (Li, Ping)[1] ; Wang, PJ (Wang, Pei-ji)[1]

SCIENTIFIC REPORTS 卷: 6 文献号: 20152

DOI: 10.1038/srep20152 出版年: FEB 2 2016

作者信息

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文献类型:Article 语种:English

入藏号: WOS:000369139700001 PubMed ID: 26833133 ISSN: 2045-2322

5.被引频次 36 (济南大学是第 1 作者和通讯作者单位, 物理科学与技术学院)

Controllable band structure and topological phase transition in two-dimensional hydrogenated arsenene

作者:Wang, YP (Wang, Ya-ping)[1] ; Ji, WX (Ji, Wei-xiao)[1] ; Zhang, CW (Zhang, Chang-wen)[1] ; Li, P (Li, Ping)[1] ; Li, F (Li, Feng)[1] ; Ren, MJ (Ren, Miao-juan)[1] ; Chen, XL (Chen, Xin-Lian)[1] ; Yuan, M (Yuan, Min)[1] ; Wang, PJ (Wang, Pei-ji)[1]

SCIENTIFIC REPORTS 卷: 6

文献号: 20342 DOI: 10.1038/srep20342

出版年: FEB 3 2016

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文献类型:Article 语种:English

入藏号: WOS:000369787900001 PubMed ID: 26839209 ISSN: 2045-2322

6.被引频次 15 (济南大学是第 1 作者和通讯作者单位, 化学化工学院)

Nanomaterials-modified cellulose paper as a platform for biosensing applications

作者:Ge, SG (Ge, Shenguang)[1]; Zhang, LN (Zhang, Lina)[2]; Zhang, Y (Zhang, Yan)[1];

Lan, FF (Lan, Feifei)[1]; Yan, M (Yan, Mei)[1]; Yu, JH (Yu, Jinghua)[1]

NANOSCALE 卷: 9 期: 13 页: 4366-4382

DOI: 10.1039/c6nr08846e 出版年: APR 7 2017

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文献信息 文献类型:Review 语种:English 入藏号: WOS:000397968400002

PubMed ID: 28155933 ISSN: 2040-3364 eISSN: 2040-3372

8.3.2 生物和生物化学学科现状分析

生物和生物化学 2018 年 5 月大陆高校 ESI 排名如表-13 所示。可以看出排在前 10 位的高校分别是上海交通大学、中科院大学、浙江大学、清华大学、北京大学、复旦大学、中山大学、山东大学、四川大学和武汉大学。在表-13 中, 排名第 1 位的上海交通大学至排名第 57 位的电子科技大学, 其生物和生物化学学科进入了 ESI 的前 1%行列。我校的生物和生物化学按照 ESI 总被引频次在大陆高校排名第 80 位, 省内高校第 3 位。

表-13 ESI 生物与生物化学大陆高校排名

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
1	Shanghai Jiao Tong University	4497	0.89	53779	79.5	1117
2	University of Chinese Academy of Sciences, CAS	3701	1.07	48082	82.19	756
3	Zhejiang University	3757	0.88	44930	80.97	948
4	Tsinghua University	2411	1.24	42162	87.31	798
5	Peking University	3148	1	41355	81.35	929
6	Fudan University	3255	0.84	38044	79.2	894
7	Sun Yat Sen University	2557	0.94	31784	78.49	604
8	Shandong University	2885	0.82	29948	78.16	633
9	Sichuan University	2224	0.82	22668	77.43	449
10	Wuhan University	1762	0.94	22550	80.14	376
11	China Agricultural University	1495	1.03	21176	85.69	472
12	Chinese Academy of Medical Sciences – Peking Union Medical College	1855	0.84	21110	81.4	383
13	Huazhong University of Science & Technology	1941	0.92	20604	79.13	526
14	South China University of Technology	953	1.39	19030	84.47	221
15	University of Science & Technology of China	1168	1.06	18185	84.16	316
16	Tongji University	1690	0.86	17147	76.51	402
17	Jilin University	1941	0.71	16953	75.37	545
18	Nankai University	1233	0.98	16786	87.59	359
19	Nanjing University	1337	0.94	16427	81.15	324
20	East China University of Science & Technology	1349	0.91	16365	87.25	228
21	Jiangnan University	1748	0.76	16356	81.98	392
22	Harbin Institute of Technology	1059	1.37	15549	86.31	351
23	Central South University	1618	0.79	14687	77.19	454
24	Suzhou University	1403	0.84	14492	74.48	357
25	Nanjing Agricultural University	1161	0.91	14003	83.81	223
26	Xiamen University	1084	0.88	13271	81.64	367
27	Nanjing Medical University	1451	0.8	13020	74.29	254
28	Fourth Military Medical University	1058	0.94	12500	81.47	236
29	Dalian University of Technology	849	0.99	12387	88.46	204
30	Tianjin University	976	1.05	11680	82.27	215

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
31	Huazhong Agricultural University	1155	0.88	11486	82.34	286
32	Southeast University - China	785	1.21	11478	78.98	171
33	Harbin Medical University	1168	0.82	11315	81.59	255
34	Second Military Medical University	1166	0.74	11166	79.5	212
35	Xi'an Jiaotong University	1231	0.75	10354	75.79	389
36	Third Military Medical University	1055	0.7	9316	80.28	193
37	Northwest A&F University - China	957	0.96	9179	81.71	267
38	Capital Medical University	1342	0.64	9070	68.48	285
39	Jinan University	829	0.89	9001	80.58	177
40	Tianjin Medical University	839	0.83	8682	75.8	202
41	Ocean University of China	766	0.84	8433	85.38	172
42	Southern Medical University - China	1047	0.69	8338	70.2	248
43	China Medical University	1011	0.62	8168	76.56	242
44	Hunan University	407	1.63	8116	87.96	68
45	Lanzhou University	742	0.75	8025	82.21	97
46	Beijing University of Chemical Technology	556	1.14	7436	84.89	145
47	Shanghai University	468	1.03	7031	82.91	149
48	Shenzhen University	411	1.23	6970	68.86	130
49	East China Normal University	532	0.94	6496	83.65	226
50	Beijing Normal University	499	0.92	6309	83.77	132
51	Nanjing Tech University	517	0.9	6268	82.98	62
52	Zhengzhou University	1183	0.55	6178	57.82	165
53	Southwest University - China	586	0.89	6071	80.72	131
54	China Pharmaceutical University	698	0.74	5931	82.81	128
55	Wenzhou Medical University	936	0.65	5926	67.09	260
56	Chongqing Medical University	777	0.66	5861	71.69	166
57	University of Electronic Science & Technology of China	280	2.18	5768	74.64	79
58	Nanchang University	623	0.86	5341	72.39	152
59	Tianjin University Science & Technology	509	0.9	5287	80.55	104
60	Anhui Medical University	584	0.73	4877	70.89	108
61	Chongqing University	469	0.88	4860	82.52	123
62	Sichuan Agricultural University	544	0.67	4625	74.82	112
63	Donghua University	261	1.38	4399	87.36	139
64	Zhejiang University of Technology	480	0.86	4386	80	82
65	Beijing Forestry University	345	1.13	4299	81.74	74

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
66	Northeast Agricultural University - China	510	0.83	4279	81.18	60
67	Jiangsu University	538	0.76	4229	71.75	104
68	South China Agricultural University	488	0.75	4039	77.25	109
69	South China Normal University	268	0.93	3865	82.46	53
70	Guangzhou Medical University	554	0.67	3766	68.95	106
71	Shantou University	353	0.74	3731	80.17	67
72	Nanjing Normal University	350	0.72	3638	83.71	54
73	Dalian Medical University	472	0.68	3621	70.34	109
74	Hunan Normal University	293	0.75	3538	85.32	86
75	Northeast Forestry University - China	310	0.75	3522	77.42	78
76	Yangzhou University	400	0.8	3504	77	76
77	Shanghai University of Traditional Chinese Medicine	372	0.8	3503	74.73	111
78	North China University of Science & Technology	142	2.33	3429	78.87	39
79	Shenyang Pharmaceutical University	317	0.78	3404	86.12	77
80	University of Jinan	344	0.87	3384	77.91	49
81	Qingdao University	582	0.58	3306	64.95	66
82	Guangxi University	283	0.87	3284	81.63	55
83	Beijing University of Technology	299	0.99	3214	81.27	60
84	Northeast Normal University - China	273	0.79	3008	79.49	55
85	Beijing Institute of Technology	216	0.93	3001	84.72	56
86	Nantong University	430	0.66	3000	75.81	62
87	Hebei Medical University	492	0.54	2958	65.65	90
88	Hunan University of Technology	48	4.25	2844	83.33	5
89	Northwest University Xi'an	303	0.82	2813	82.84	60
90	University of South China	314	0.63	2804	78.03	75
91	Yunnan University	221	0.72	2763	84.16	60
92	Shanxi University	272	0.75	2751	83.82	57
93	Shandong Agricultural University	296	0.69	2704	80.07	46
94	Qingdao University of Science & Technology	146	0.94	2681	91.1	24
95	Hefei University of Technology	208	0.93	2586	76.92	52
96	Guangxi Medical University	427	0.57	2577	62.3	80

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
97	Hangzhou Normal University	276	0.94	2433	81.52	64
98	Shanghai Normal University	162	1.01	2389	90.12	50
99	Central China Normal University	235	0.88	2366	82.98	82
100	China University of Petroleum	162	0.99	2304	79.63	62

我校生物和生物化学共有 4 篇高被引论文，如图-13 所示：

- SIGNIFICANCE OF SERUM MICRORNAS IN PRE-DIABETES AND NEWLY DIAGNOSED TYPE 2 DIABETES: A CLINICAL STUDY** Times Cited: 181

By: KONG, L; ZHU, JJ; HAN, WX; et.al
Source: ACTA DIABETOL 48 (1): 61-69 MAR 2011
Research Fields: BIOLOGY & BIOCHEMISTRY
- HIGHLY SELECTIVE ADSORPTION OF LEAD IONS BY WATER-DISPERSIBLE MAGNETIC CHITOSAN/GRAPHENE OXIDE COMPOSITES** Times Cited: 133

By: FAN, LL; LUO, CN; SUN, M; et.al
Source: COLLOID SURFACE B 103: 523-529 MAR 1 2013
Research Fields: BIOLOGY & BIOCHEMISTRY
- ADSORBENT FOR CHROMIUM REMOVAL BASED ON GRAPHENE OXIDE FUNCTIONALIZED WITH MAGNETIC CYCLODEXTRIN-CHITOSAN** Times Cited: 118

By: LI, LL; FAN, LL; SUN, M; et.al
Source: COLLOID SURFACE B 107: 76-83 JUL 1 2013
Research Fields: BIOLOGY & BIOCHEMISTRY
- SILENCING OF LONG NONCODING RNA MALAT1 BY MIR-101 AND MIR-217 INHIBITS PROLIFERATION, MIGRATION, AND INVASION OF ESOPHAGEAL SQUAMOUS CELL CARCINOMA CELLS** Times Cited: 102

By: WANG, XY; LI, M; WANG, ZQ; et.al
Source: J BIOL CHEM 290 (7): 3925-3935 FEB 13 2015
Research Fields: BIOLOGY & BIOCHEMISTRY

图-13 济南大学生物与生物化学高被引论文

详细记录：

1.被引频次 181（第 4 作者单位山东省肿瘤医院，生命医学院附属医院）

Significance of serum microRNAs in pre-diabetes and newly diagnosed type 2 diabetes: a clinical study

作者:Kong, L (Kong, Lei)[1] ; Zhu, JJ (Zhu, Junjie)[2,3] ; Han, WX (Han, Wenxia)[1] ; Jiang, XY (Jiang, Xiuyun)[1] ; Xu, M (Xu, Min)[4,5] ; Zhao, Y (Zhao, Yue)[2,3] ; Dong, QZ (Dong, Qiongzhu)[2,3] ; Pang, ZF (Pang, Zengfen)[4,5] ; Guan, QB (Guan, Qingbo)[1] ; Gao, L (Gao, Ling)[1]

ACTA DIABETOLOGICA 卷: 48 期: 1 页: 61-69

DOI: 10.1007/s00592-010-0226-0 出版年: MAR 2011

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电子邮件地址: prof.gao161@163.com; jjzhao@medmail.com.cn; drzhaolei@hotmail.com
文献类型: Article 语种: English
入藏号: WOS:000288016800009 PubMed ID: 20857148 ISSN: 0940-5429

2. 被引频次 133 (济南大学是第 1 作者和通讯作者单位, 化学化工学院)

Highly selective adsorption of lead ions by water-dispersible magnetic chitosan/graphene oxide composites

作者: Fan, LL (Fan, Lulu)[1]; Luo, CN (Luo, Chuannan)[1]; Sun, M (Sun, Min)[1]; Li, XJ (Li, Xiangjun)[1]; Qiu, HM (Qiu, Huamin)[1]

COLLOIDS AND SURFACES B-BIOINTERFACES 卷: 103 页: 523-529

DOI: 10.1016/j.colsurfb.2012.11.006

出版年: MAR 1 2013

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电子邮件地址: chm_luocn@ujn.edu.cn

文献类型: Article 语种: English 入藏号: WOS:000315127000069

PubMed ID: 23261576 ISSN: 0927-7765 eISSN: 1873-4367

3. 引用频次 118 (济南大学是第 1 作者和通讯作者单位, 化学化工学院)

Adsorbent for chromium removal based on graphene oxide functionalized with magnetic cyclodextrin-chitosan

作者: Li, LL (Li, Leilei)[1]; Fan, LL (Fan, Lulu)[1]; Sun, M (Sun, Min)[1]; Qiu, HM (Qiu, Huamin)[1]; Li, XJ (Li, Xiangjun)[1]; Duan, HM (Duan, Huimin)[1]; Luo, CN (Luo, Chuannan)[1]

COLLOIDS AND SURFACES B-BIOINTERFACES 卷: 107 页: 76-83

DOI: 10.1016/j.colsurfb.2013.01.074

出版年: JUL 1 2013

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文献类型:Article 语种:English

入藏号: WOS:000318141900010 PubMed ID: 23466545 ISSN: 0927-7765

4.被引频次 102 (第 3 作者单位生命医学院附属医院山东省肿瘤医院)

Silencing of Long Noncoding RNA MALAT1 by miR-101 and miR-217 Inhibits Proliferation, Migration, and Invasion of Esophageal Squamous Cell Carcinoma Cells

作者:Wang, XY (Wang, Xinyu)[1]; Li, M (Li, Meng)[1]; Wang, ZQ (Wang, Zhiqiong)[1]; Han, SC (Han, Sichong)[1]; Tang, XH (Tang, Xiaohu)[1]; Ge, YX (Ge, Yunxia)[1]; Zhou, LQ (Zhou, Liqing)[2]; Zhou, CC (Zhou, Changchun)[3]; Yuan, QP (Yuan, Qipeng)[1]; Yang, M (Yang, Ming)[1]

JOURNAL OF BIOLOGICAL CHEMISTRY 卷: 290 期: 7 页: 3925-3935

DOI: 10.1074/jbc.M114.596866 出版年: FEB 13 2015

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文献类型:Article

语种:English

入藏号: WOS:000349458400004

PubMed ID: 25538231

ISSN: 0021-9258

eISSN: 1083-351X

8.3.3 数学学科现状分析

数学 2018 年 5 月大陆高校 ESI 排名如表-14 所示。可以看出排在前 10 位的高校分别是北京大学、复旦大学、山东大学、哈尔滨工业大学、北京师范大学、上海交通大学、兰州大学、南开大学、清华大学和浙江大学。在表-14 中,排名第 1 位的北京大学至排名第 28 位的重庆大学 其数学进入了 ESI 的前 1%行列。我校的数学按照 ESI 总被引频次在大陆高校排名第 95 位,省内高校第 5 位。

表-14 ESI 数学大陆高校排名

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
1	Peking University	1833	1.08	9356	66.18	618
2	Fudan University	1697	1.13	8778	69.95	550
3	Shandong University	1723	1.04	8094	66.4	403
4	Harbin Institute of Technology	1411	1.4	8043	65.91	327
5	Beijing Normal University	1619	1.21	8027	69.24	473
6	Shanghai Jiao Tong University	1409	1.24	7492	68.49	501
7	Lanzhou University	1073	1.5	7472	74.74	196
8	Nankai University	1587	1.13	7371	68.49	423
9	Tsinghua University	1469	0.99	7141	68.01	476
10	Zhejiang University	1666	0.93	7078	64.41	464
11	Southeast University - China	1169	1.59	6961	66.3	280
12	Xiamen University	1264	1.23	6666	65.11	340
13	Central South University	1205	1.69	6449	69.79	171
14	Shanghai University	1251	1.15	6142	65.47	317
15	Nanjing University	1224	1.12	5933	63.97	274
16	University of Science & Technology of China	1334	1	5895	65.37	461
17	East China Normal University	1540	0.89	5863	66.49	427
18	South China Normal University	1214	0.93	5746	68.86	165
19	Sun Yat Sen University	1277	1.03	5654	67.74	369
20	Xi'an Jiaotong University	1068	1.11	5421	67.13	237
21	Shanghai Normal University	970	1.03	5369	66.7	332
22	Huazhong University of Science & Technology	928	1.25	4987	70.37	209
23	Dalian University of Technology	1279	0.83	4884	62.16	186
24	Wuhan University	1182	1.06	4670	65.48	312
25	Zhejiang Normal University	975	1.21	4624	65.64	241
26	Xiangtan University	486	2.73	4542	69.75	119
27	Sichuan University	1157	0.82	4393	62.58	268
28	Chongqing University	951	1.1	4359	66.77	121
29	Northeast Normal University - China	745	1.43	3856	64.3	199
30	Suzhou University	913	0.9	3842	65.17	184
31	Nanjing Normal University	1029	0.83	3746	57.24	153
32	South China University of Technology	667	1.28	3682	64.02	158
33	Hunan University	786	1.06	3671	63.74	139
34	Jilin University	1029	0.88	3665	59.86	171

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
35	Tongji University	929	1.09	3607	64.69	170
36	Beijing Institute of Technology	861	0.98	3565	65.27	187
37	Tianjin Polytechnic University	645	1.38	3510	62.95	230
38	Qufu Normal University	727	1.29	3508	64.65	163
39	Central China Normal University	808	1.22	3327	66.71	231
40	Donghua University	436	1.68	3301	69.72	88
41	China University of Mining & Technology	779	2.14	3264	58.66	108
42	Jiangnan University	250	2.23	3248	64	44
43	Southwest University - China	734	1.31	3225	60.63	156
44	University of Electronic Science & Technology of China	711	1.55	3212	64.98	143
45	Beihang University	746	1.2	2976	61.8	161
46	Capital Normal University	645	0.95	2849	64.19	183
47	Anhui University	514	1.4	2709	69.46	71
48	Henan Polytech University	556	1.26	2539	68.88	97
49	Yunnan University	552	1.07	2384	64.86	88
50	Nanjing University of Science & Technology	445	1.47	2366	64.04	102
51	Shandong University of Science & Technology	336	3.51	2337	73.81	47
52	Nanjing University of Aeronautics & Astronautics	690	0.91	2327	60	136
53	Jiangsu Normal University	617	0.95	2297	62.72	135
54	Henan Normal University	683	0.8	2278	55.78	71
55	Beijing University of Technology	581	0.82	2254	58	101
56	Fuzhou University	421	1.18	2245	66.98	68
57	Beijing Jiaotong University	618	1.08	2240	58.41	160
58	Xinjiang University	579	0.82	2184	61.31	89
59	Tianjin University	697	0.96	2166	59.4	128
60	Jiangsu University	387	1.25	2091	59.43	54
61	Northwest Normal University - China	599	0.75	2078	56.93	33
62	Shanxi University	500	1.08	2051	58.2	73
63	North China Electric Power University	374	1.19	1937	62.57	67
64	Zhengzhou University	496	1.02	1913	66.94	61
65	Hunan Normal University	591	0.79	1909	60.07	130
66	Nanjing University of Information Science & Technology	434	1.25	1865	66.82	96

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
67	Shaanxi Normal University	433	0.88	1855	60.97	67
68	Yunnan Normal University	252	1.92	1792	63.89	35
69	Huzhou University	289	1.46	1772	73.36	33
70	Xidian University	474	0.88	1766	59.7	69
71	University of Chinese Academy of Sciences, CAS	516	0.84	1764	55.81	95
72	Shanghai University of Finance & Economics	456	0.97	1748	55.26	204
73	Changsha University of Science & Technology	331	1.21	1743	68.28	66
74	Northeastern University - China	381	1.36	1694	59.06	84
75	Hangzhou Normal University	444	0.85	1654	63.29	122
76	Guizhou University	216	3	1644	64.35	54
77	Renmin University of China	483	1.04	1632	56.94	163
78	University of Science & Technology Beijing	257	1.75	1622	71.98	53
79	China University of Petroleum	452	1.1	1595	58.85	83
80	Chongqing Normal University	373	1.03	1573	57.64	74
81	Hohai University	452	0.99	1571	54.42	82
82	East China University of Science & Technology	383	0.95	1557	59.53	84
83	Jiaying University	114	1.78	1543	68.42	31
84	Guangzhou University	401	0.76	1514	51.37	64
85	Yangzhou University	424	1.01	1472	58.02	82
86	Northwestern Polytechnical University	514	1.08	1431	58.95	123
87	Changshu Institute of Technology	201	1.46	1423	73.63	22
88	Huaiyin Normal University	313	2.57	1399	58.15	14
89	Anhui Normal University	320	1	1374	63.75	46
90	Fujian Normal University	489	0.74	1362	60.33	63
91	Jiaxing University	317	1.14	1357	62.15	31
92	Shantou University	267	1.03	1342	63.67	63
93	Nanchang University	380	0.81	1338	57.89	24
94	Lanzhou University of Technology	225	2.28	1337	64	23
95	University of Jinan	298	1.05	1328	58.39	66
96	Hangzhou Dianzi University	425	0.83	1323	58.82	79
97	Harbin Normal University	217	1.18	1306	67.28	57
98	Beijing University of Posts & Telecommunications	294	1.3	1299	62.59	50

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
99	Jiangxi Normal University	478	0.66	1299	56.07	109
100	Henan University	394	0.71	1279	56.09	67

我校数学共有 2 篇高被引论文，如图-14 所示：

- POSITIVE SOLUTIONS FOR BOUNDARY VALUE PROBLEMS OF NONLINEAR FRACTIONAL DIFFERENTIAL EQUATIONS** Times Cited: 55

By: ZHAO, YG; SUN, SR; HAN, ZL; et al
Source: APPL MATH COMPUT 217 (16): 6950-6958 APR 15 2011
Research Fields: MATHEMATICS
- LEAST SQUARE REGRESSION WITH INDEFINITE KERNELS AND COEFFICIENT REGULARIZATION** Times Cited: 50

By: SUN, HW; WU, QA;
Source: APPL COMPUT HARMONIC ANAL 30 (1): 96-109 JAN 2011
Research Fields: MATHEMATICS

图-14 济南大学数学高被引论文

详细记录：

1.被引频次 55（济南大学是第 1 作者和通讯作者单位，数学科学学院）

Positive solutions for boundary value problems of nonlinear fractional differential equations
作者:Zhao, YG (Zhao, Yige)[1] ; Sun, SR (Sun, Shurong)[1] ; Han, ZL (Han, Zhenlai)[1,2] ;
Zhang, M (Zhang, Meng)[1]
APPLIED MATHEMATICS AND COMPUTATION 卷: 217 期: 16 页: 6950-6958
DOI: 10.1016/j.amc.2011.01.103
出版年: APR 15 2011
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zhang123meng@163.com
文献类型:Article 语种:English
入藏号: WOS:000288064600017 ISSN: 0096-3003

2.被引频次 50（济南大学是第 2 作者单位，数学科学学院）

Least square regression with indefinite kernels and coefficient regularization
作者:Sun, HW (Sun, Hongwei)[2] ; Wu, QA (Wu, Qiang)[1]

8.3.4 农业科学学科现状分析

农业科学 2018 年 5 月大陆高校 ESI 排名如表-15 所示。可以看出排在前 10 位的高校分别是中国农业大学、浙江大学、南京农业大学、中国科学院大学、江南大学、西北农林科技大学、华南理工大学、华中农业大学、南昌大学和上海交通大学。在表-15 中,排名第 1 位的中国农业大学至排名第 49 的河南工业大学,其农业科学进入了 ESI 的前 1%行列。我校的农业科学按照 ESI 总被引频次在大陆高校排名第 132 位,省内高校第 9 位。

表-15 ESI 农业科学大陆高校排名

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
1	China Agricultural University	4276	1.33	43693	80.57	1484
2	Zhejiang University	2345	1.44	25567	83.54	679
3	Nanjing Agricultural University	2564	1.4	25326	80.19	648
4	University of Chinese Academy of Sciences, CAS	2133	1.48	22962	80.78	644
5	Jiangnan University	2238	1.51	22387	81.59	724
6	Northwest A&F University - China	2536	1.28	21828	77.17	840

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
7	South China University of Technology	1383	2.09	17645	84.45	393
8	Huazhong Agricultural University	1619	1.25	14139	81.96	393
9	Nanchang University	677	2.01	8043	83.46	239
10	Shanghai Jiao Tong University	733	1.32	6370	79.81	276
11	Shandong Agricultural University	791	1.05	6261	78	99
12	South China Agricultural University	908	0.93	5653	73.13	269
13	Beijing Normal University	455	1.6	5488	83.3	146
14	Lanzhou University	476	1.42	4992	82.56	204
15	Beijing Forestry University	531	1.34	4970	78.53	159
16	Peking University	381	1.69	4946	86.09	149
17	Northeast Agricultural University - China	782	0.92	4923	70.08	147
18	Ocean University of China	451	1.36	4623	75.83	118
19	Tianjin University Science & Technology	537	1.39	4506	75.05	146
20	Jilin University	460	1.46	4427	75.43	116
21	Sun Yat Sen University	397	1.66	4361	81.36	71
22	Yangzhou University	544	1.27	4170	75.92	120
23	Sichuan Agricultural University	701	0.92	4071	72.9	144
24	Sichuan University	387	1.29	4027	78.81	71
25	Jiangsu University	536	1.43	4015	70.52	150
26	Southwest University - China	605	1.03	3822	72.07	147
27	Hunan Agricultural University	391	1.23	3440	71.1	122
28	Nankai University	242	1.55	3426	90.08	54
29	Shaanxi Normal University	274	1.58	3099	71.9	59
30	Zhejiang Gongshang University	291	1.5	3022	84.88	69
31	Wuhan University	251	1.65	2850	81.27	60
32	Northeast Forestry University - China	255	1.64	2782	83.14	74
33	Tianjin University	264	1.4	2707	79.55	33
34	Jinan University	367	1.54	2665	75.48	89
35	Inner Mongolia Agricultural University	296	1.11	2663	71.96	109
36	Nanjing Normal University	275	1.37	2651	80.36	87
37	Hebei Agricultural University	325	0.98	2634	63.69	65
38	Nanjing University	265	1.33	2619	84.91	67
39	Guangxi University	315	1.11	2581	74.6	57
40	Henan Agricultural University	357	0.93	2438	75.91	79
41	Xiamen University	191	1.57	2413	81.68	61
42	Harbin Institute of Technology	230	1.22	2410	81.3	78

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
43	Qingdao Agricultural University	346	1.15	2276	71.68	76
44	Fudan University	216	1.47	2273	82.87	94
45	Shenyang Agricultural University	507	0.81	2263	67.46	118
46	Fujian Agriculture & Forestry University	452	1.27	2246	71.02	162
47	Huazhong University of Science & Technology	227	1.38	2186	79.74	60
48	Zhejiang University of Technology	205	1.58	2166	81.95	30
49	Henan University of Technology	289	1.5	2124	76.12	42
50	Anhui Agricultural University	323	1.1	1969	69.97	80
51	Chinese Academy of Medical Sciences – Peking Union Medical College	186	1.38	1922	85.48	39
52	Zhejiang A&F University	290	1.24	1916	80.34	111
53	Shandong University	171	1.24	1902	82.46	25
54	East China University of Science & Technology	190	1.21	1872	79.47	30
55	Central South University	147	2.1	1823	76.87	35
56	Hefei University of Technology	233	1.6	1719	71.67	28
57	Gansu Agricultural University	260	0.91	1688	73.85	92
58	Shanghai Ocean University	214	1.42	1668	77.1	79
59	Beijing Technology & Business University	294	1.22	1597	59.52	79
60	Tsinghua University	167	1.55	1504	79.04	64
61	Henan Institute of Science & Technology	211	0.88	1502	69.19	28
62	Shihezi University	221	1.05	1441	69.23	35
63	Henan University of Science & Technology	196	0.86	1387	66.84	28
64	Suzhou University	201	1.16	1381	70.65	67
65	Kunming University of Science & Technology	152	1.19	1376	73.03	25
66	Shanghai Normal University	77	1.82	1339	80.52	20
67	Nanjing University of Finance & Economics	144	1.97	1337	71.53	64
68	China Pharmaceutical University	121	1.45	1315	85.95	18
69	Nanjing Forestry University	210	0.93	1282	68.1	75
70	Wuhan Polytechnic University	143	1.88	1228	86.01	61
71	Yangtze University	179	1.21	1217	70.39	65
72	Guizhou University	126	1.11	1200	63.49	17

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
73	Shanxi University	129	1.19	1200	75.19	31
74	Jiangxi Agricultural University	195	1.16	1199	74.87	49
75	Ningbo University	178	1.22	1162	67.98	20
76	Fuzhou University	134	1.3	1148	79.1	23
77	Northeast Normal University - China	123	1.23	1076	75.61	26
78	Jiangsu Normal University	59	1.63	1066	72.88	11
79	Hohai University	234	0.8	1064	67.09	71
80	Nanjing University of Information Science & Technology	142	1.41	1059	79.58	65
81	Yunnan Agricultural University	167	0.78	1037	74.85	52
82	Shenyang Pharmaceutical University	108	1.61	1018	84.26	17
83	Harbin Medical University	93	1.21	1015	82.8	24
84	Jilin Agricultural University	193	1.03	1000	71.5	39
85	East China Normal University	92	1.71	993	82.61	33
86	Beijing University of Chemical Technology	101	1.38	952	88.12	35
87	Dalian Polytechnic University	180	1.09	948	57.22	80
88	China University of Geosciences	114	1.22	946	67.54	30
89	Bohai University	117	1.61	922	75.21	22
90	Hebei University	88	1.59	909	81.82	11
91	Tongji University	78	1.3	895	82.05	18
92	Jimei University	124	1.33	892	83.87	54
93	Hangzhou Normal University	110	1.37	875	75.45	31
94	Central South University of Forestry & Technology	138	0.99	870	76.09	54
95	Hubei University of Technology	144	1.23	850	73.61	69
96	Shanxi Agricultural University	171	0.83	823	61.99	62
97	Huaihai Institute of Technology	68	1.55	812	72.06	12
98	Hainan University	169	1.19	805	65.09	32
99	Shanghai Institute of Technology	119	1.34	805	71.43	43
100	Northwest University Xi'an	124	1.12	801	70.97	26
101	Xinjiang Agricultural University	101	1.24	774	78.22	30
102	Fujian Normal University	76	1.67	771	80.26	33
103	Central China Normal University	73	1.51	764	79.45	5
104	Capital Normal University	81	1.04	763	79.01	38
105	Xi'an Jiaotong University	115	1.48	743	70.43	27
106	Capital Medical University	80	1.17	737	83.75	13
107	South China Normal University	72	1.23	724	80.56	10
108	Fourth Military Medical University	45	1.8	722	86.67	6

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
109	Shanxi Normal University	68	1.56	716	72.06	9
110	Shandong University of Technology	83	1.11	697	72.29	15
111	Yunnan University	87	1.19	695	86.21	23
112	Dalian Ocean University	33	1.86	677	69.7	12
113	Southern Medical University – China	81	1.64	674	71.6	15
114	Hunan Normal University	50	1.23	658	74	10
115	Hebei University of Science & Technology	78	1.34	646	78.21	9
116	Shanghai University of Traditional Chinese Medicine	48	1.54	646	77.08	14
117	Zhengzhou University	109	1.33	646	67.89	14
118	Zhejiang Ocean University	100	1.17	644	74	6
119	Guangdong Ocean University	105	0.84	623	71.43	19
120	Ludong University	66	1.27	622	75.76	11
121	Renmin University of China	79	1	607	77.22	44
122	Yantai University	70	1.24	603	74.29	8
123	Zhejiang Normal University	73	0.98	601	83.56	9
124	Zhengzhou University of Light Industry	73	1.18	599	67.12	18
125	Dalian University of Technology	76	0.82	595	65.79	24
126	Hunan University	46	2.85	584	73.91	5
127	Qilu University of Technology	106	0.91	577	72.64	11
128	Guangdong Pharmaceutical University	84	2.16	570	73.81	16
129	Nanjing University of Chinese Medicine	66	1.45	565	77.27	6
130	Wenzhou Medical University	39	1.79	565	79.49	15
131	China Jiliang University	74	1.33	552	79.73	13
132	University of Jinan	54	1.37	546	64.81	9
133	Southeast University – China	69	1.19	544	72.46	21
134	Shanghai University	70	0.9	526	82.86	7
135	Tianjin Agricultural University	97	0.8	518	76.29	49
136	Tianjin University of Traditional Chinese Medicine	47	1.44	495	95.74	6
137	Anhui University of Science & Technology	91	0.79	492	68.13	16
138	Chongqing University	82	1.21	475	70.73	17
139	Jiangxi Normal University	94	1.11	474	64.89	30
140	Ningxia University	71	1.04	445	77.46	16

我校农业科学有 2 篇高被引论文，如图-15 所示：

- 1 **BAICALEIN PROTECTS AGAINST 6-OHDA-INDUCED NEUROTOXICITY THROUGH ACTIVATION OF KEAP1/NRF2/HO-1 AND INVOLVING PKC ALPHA AND PI3K/AKT SIGNALING PATHWAYS** Times Cited: 71
By: ZHANG, ZJ; CUI, W; LI, GH; et.al
Source: J AGR FOOD CHEM 60 (33): 8171-8182 AUG 22 2012
Research Fields: AGRICULTURAL SCIENCES
- 2 **SPATIAL DISTRIBUTION, ECOLOGICAL RISK ASSESSMENT AND SOURCE IDENTIFICATION FOR HEAVY METALS IN SURFACE SEDIMENTS FROM DONGPING LAKE, SHANDONG, EAST CHINA** Times Cited: 33
By: WANG, YQ; YANG, LY; KONG, LH; et.al
Source: CATENA 125: 200-205 FEB 2015
Research Fields: AGRICULTURAL SCIENCES

图-15 济南大学农业科学高被引论文

详细记录：

1.被引频次 71（非济南大学文章）

Baicalein Protects against 6-OHDA-Induced Neurotoxicity through Activation of Keap1/Nrf2/HO-1 and Involving PKC alpha and PI3K/AKT Signaling Pathways

作者:Zhang, ZJ (Zhang, Zaijun)[2,3,4] ; Cui, W (Cui, Wei)[1] ; Li, GH (Li, Guohui)[5] ; Yuan, S (Yuan, Shuai)[2,3] ; Xu, DP (Xu, Daping)[2,3] ; Hoi, MPM (Hoi, Maggie P. M.)(2,3] ; Lin, ZX (Lin, Zhixiu)[6] ; Dou, J (Dou, Juan)[7,8,9] ; Han, YF (Han, Yifan)[1] ; Lee, SMY (Lee, Simon M. Y.)(2,3]

JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY 卷: 60 期: 33 页: 8171-8182

DOI: 10.1021/jf301511m 出版年: AUG 22 2012

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文献类型:Article 语种:English

入藏号: WOS:000307698900014 PubMed ID: 22838648 ISSN: 0021-8561

2.被引频次 33（济南大学是第 1 作者和通讯作者单位，水利与环境学院）

Spatial distribution, ecological risk assessment and source identification for heavy metals in surface sediments from Dongping Lake, Shandong, East China

作者:Wang, YQ (Wang, Yunqian)[1] ; Yang, LY (Yang, Liyuan)[1] ; Kong, LH (Kong, Linghao)[2] ; Liu, EF (Liu, Enfeng)[3] ; Wang, LF (Wang, Longfeng)[1] ; Zhu, JR (Zhu, Jingru)[1]

CATENA 卷: 125 页: 200-205

DOI: 10.1016/j.catena.2014.10.023

出版年: FEB 2015

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文献类型:Article 语种:English

入藏号: WOS:000346398600020 ISSN: 0341-8162 eISSN: 1872-6887

8.3.5 计算机科学学科现状分析

计算机科学 2018 年 5 月大陆高校 ESI 排名如表-16 所示。可以看出排在前 10 位的高校分别是清华大学、上海交通大学、华中科技大学、浙江大学、东南大学、西安电子科技大学、北京邮电大学、电子科技大学、哈尔滨工业大学和西安交通大学。在表-16 中，排名第 1 位的清华大学至排名第 45 位的杭州电子科技大学，其计算机科学进入了 ESI 的前 1%行列。我校的计算机科学按照 ESI 总被引频次在大陆高校排名第 118 位，省内高校第 8 位。

表-16 ESI 计算机科学大陆高校排名

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
1	Tsinghua University	4265	1.2	36460	74.19	1712
2	Shanghai Jiao Tong University	2757	1.16	22456	71.96	1019
3	Huazhong University of Science & Technology	2312	1.57	22050	75.39	962

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
4	Zhejiang University	2826	1.09	21874	74.81	1126
5	Southeast University - China	2094	1.7	20813	72.45	790
6	Xidian University	2815	1.13	18415	70.02	883
7	Beijing University of Posts & Telecommunications	2779	1.03	16936	64.81	861
8	University of Electronic Science & Technology of China	2072	1.2	14166	66.84	796
9	Harbin Institute of Technology	1820	1.54	13813	70.88	630
10	Xi'an Jiaotong University	1549	1.27	13492	72.69	498
11	University of Science & Technology of China	1460	1.23	13157	73.7	569
12	Dalian University of Technology	1614	1.42	12870	72.74	565
13	Beihang University	1957	1.01	11605	69.9	722
14	Peking University	1499	1.14	11536	73.72	604
15	Nanjing University	1065	1.23	10148	72.39	449
16	Northeastern University - China	1177	1.42	9479	70.52	313
17	Sun Yat Sen University	1097	1.14	8860	71.47	336
18	Nanjing University of Information Science & Technology	770	4.28	8791	59.22	332
19	Wuhan University	1305	1.63	8782	69.2	490
20	Tongji University	1103	1.4	8736	77.24	440
21	National University of Defence Technology - China	1675	0.71	8139	65.01	528
22	Beijing Jiaotong University	1397	0.91	8056	67.36	495
23	Central South University	855	2.25	8014	73.57	348
24	South China University of Technology	956	1.38	7091	69.35	285
25	University of Chinese Academy of Sciences, CAS	1321	0.79	6648	63.29	349
26	Nanjing University of Science & Technology	871	1.3	6559	74.74	199
27	Hunan University	868	1.27	6313	72.35	302
28	Southwest Jiaotong University	705	1.35	6111	74.75	319
29	Shanghai University	665	1.51	5685	71.58	199
30	Shenzhen University	738	1.99	5665	68.02	242
31	Shandong University	946	0.99	5633	68.71	346
32	Sichuan University	703	1.75	5545	69.56	195
33	Fudan University	822	0.85	5460	71.17	354
34	Beijing Institute of Technology	1080	1.01	5393	65.19	331

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
35	Northwestern Polytechnical University	790	1.57	5288	69.49	352
36	Chongqing University	824	1.09	5134	68.2	253
37	Nanjing University of Aeronautics & Astronautics	857	1.03	5037	68.49	225
38	Tianjin University	966	1.56	5010	66.15	331
39	Xiamen University	672	1.59	4836	65.92	295
40	Nanjing University of Posts & Telecommunications	883	1.23	4823	63.65	261
41	PLA University of Science & Technology	608	1.13	4541	62.66	106
42	China University of Geosciences	523	1.84	4206	72.28	291
43	Hefei University of Technology	530	1.43	4170	72.45	286
44	Hohai University	527	1.45	4049	70.02	188
45	Hangzhou Dianzi University	526	1.67	3777	69.2	188
46	University of Science & Technology Beijing	577	1.58	3375	66.03	157
47	East China Normal University	480	0.97	3191	66.04	218
48	Guangdong University of Technology	381	2.7	3189	69.55	144
49	Donghua University	284	1.61	3066	70.42	115
50	Suzhou University	473	0.86	2987	70.82	175
51	Yangzhou University	234	2.85	2626	70.94	133
52	Liaoning University of Technology	124	6.36	2538	91.94	8
53	Chongqing University of Arts & Sciences	45	4.88	2512	97.78	2
54	Dalian Maritime University	301	1.44	2504	73.42	117
55	Liaocheng University	105	2.7	2417	76.19	25
56	Zhejiang University of Technology	369	1.16	2399	67.21	120
57	Beijing University of Technology	515	0.8	2398	64.66	160
58	Jilin University	553	0.68	2317	60.4	174
59	Southwest University - China	330	1.95	2295	75.45	182
60	Anhui University	321	1.54	2289	69.78	105
61	East China University of Science & Technology	323	1.68	2270	72.45	79
62	Nanjing Normal University	201	1.86	2258	79.1	87
63	Bohai University	131	5.49	2237	83.97	36
64	Shanxi University	181	1.89	2166	79.01	18
65	North China Electric Power University	259	1.2	2161	65.25	67

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
66	Fuzhou University	291	1.28	2124	69.07	96
67	China University of Mining & Technology	445	1.21	2096	64.04	98
68	Yanshan University	349	1.03	2081	71.06	72
69	Jiangnan University	285	1.1	2041	68.42	94
70	Beijing Normal University	307	1.15	1971	74.27	109
71	Zhejiang Gongshang University	242	1.24	1853	69.83	96
72	Harbin Engineering University	378	1.45	1842	60.05	123
73	China Agricultural University	193	1.22	1824	75.65	47
74	Qingdao University	157	2.23	1808	66.24	53
75	Zhejiang Normal University	174	1.55	1795	77.01	70
76	China University of Petroleum	331	1.41	1784	65.86	124
77	Chongqing University of Posts & Telecommunications	400	0.94	1740	59	129
78	Nankai University	287	1.14	1700	68.64	101
79	Hebei University	157	1.29	1649	72.61	15
80	Fujian Normal University	283	1.46	1642	70.32	148
81	Wuhan University of Technology	315	0.87	1532	59.68	97
82	Shaanxi Normal University	261	1.14	1510	62.45	65
83	Renmin University of China	320	0.76	1486	70.94	154
84	Guangzhou University	257	1.39	1426	63.04	101
85	Xi'an Jiaotong-Liverpool University	138	1.79	1372	68.12	79
86	Chongqing Jiaotong University	86	2.54	1312	77.91	26
87	Lanzhou University	181	1.02	1294	66.3	72
88	University of Shanghai for Science & Technology	181	1.9	1250	62.98	80
89	Ningbo University	188	0.96	1235	70.21	67
90	Jiangxi University of Finance & Economics	164	1.73	1227	73.17	58
91	Xi'an University of Posts & Telecommunications	129	1.59	1224	67.44	44
92	Shanghai Maritime University	207	1.34	1201	65.7	61
93	Guangxi University	185	0.83	1188	61.08	35
94	Zhengzhou University	239	0.87	1184	64.02	77
95	Shandong University of Finance & Economics	161	2.51	1178	63.98	25
96	Jiangsu University	253	0.97	1151	65.22	75
97	Zhejiang Ocean University	63	2.01	1147	84.13	3

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
98	Qufu Normal University	130	1.76	1094	70	29
99	Beijing University of Chemical Technology	120	2.21	1079	71.67	46
100	MinNan Normal University	98	1.69	1067	83.67	4
101	Guilin University of Electronic Technology	304	1.39	1028	58.88	96
102	Changsha University of Science & Technology	145	1.32	1022	64.14	52
103	Xinjiang University	133	1.09	1018	74.44	29
104	Jiangsu University of Science & Technology	130	1.31	954	72.31	42
105	Northwest University Xi'an	138	2.4	948	58.7	37
106	Central China Normal University	220	0.81	947	65.45	84
107	Zhejiang Sci-Tech University	117	1.15	929	70.94	46
108	Shenyang Aerospace University	92	1.12	911	68.48	19
109	Shandong University of Science & Technology	161	1.72	897	68.32	40
110	Hangzhou Normal University	176	0.81	896	62.5	60
111	Jinan University	229	1.15	857	58.95	79
112	South China Agricultural University	139	1.14	850	64.03	58
113	Yunnan University	149	1.17	822	74.5	25
114	Shaoxing University	92	1.68	819	63.04	17
115	Northeast Normal University - China	143	1	815	68.53	39
116	Xihua University	102	1.18	795	71.57	36
117	Xi'an University of Technology	182	1.95	789	62.09	43
118	University of Jinan	139	1.14	784	71.94	42
119	Liaoning Normal University	128	0.81	773	75	15
120	Zhejiang University of Finance & Economics	96	1.58	772	78.12	25

我校计算机科学有 2 篇高被引论文，如图-16 所示：

1	IMPROVING NEURAL-NETWORK CLASSIFIERS USING NEAREST NEIGHBOR PARTITIONING By: WANG, L; YANG, B; CHEN, YH; et al Source: IEEE TRANS NEURAL NETW LEARN 28 (10): 2255-2267 OCT 2017 Research Fields: COMPUTER SCIENCE	Times Cited: 9
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图-16 济南大学计算机科学高被引论文

详细记录：

1.被引频次 9（济南大学是第 1 作者和通讯作者单位，信息科学与工程学院）

Improving Neural-Network Classifiers Using Nearest Neighbor Partitioning

作者:Wang, L (Wang, Lin)[1] ; Yang, B (Yang, Bo)[1] ; Chen, YH (Chen, Yuehui)[1] ; Zhang, XQ (Zhang, Xiaoqian)[1] ; Orchard, J (Orchard, Jeff)[2]

IEEE TRANSACTIONS ON NEURAL NETWORKS AND LEARNING SYSTEMS

卷: 28 期: 10 页: 2255-2267

DOI: 10.1109/TNNLS.2016.2580570

出版年: OCT 2017

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文献类型:Article 语种:English

入藏号: WOS:000411293200004

PubMed ID: 27390189 ISSN: 2162-237X eISSN: 2162-2388

2.被引频次 3（济南大学是第 5 作者单位，信息科学与工程学院，济南大学写错）

Efficient and Privacy-Preserving Outsourced Calculation of Rational Numbers

作者:Liu, XM (Liu, Ximeng)[1] ; Choo, KKR (Choo, Kim-Kwang Raymond)[2,3] ; Deng, RH (Deng, Robert H.)[1] ; Lu, RX (Lu, Rongxing)[4] ; Weng, J (Weng, Jian)[5]

IEEE TRANSACTIONS ON DEPENDABLE AND SECURE COMPUTING 卷: 15 期: 1 页: 27-39

DOI: 10.1109/TDSC.2016.2536601

出版年: JAN-FEB 2018

文献类型:Article

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语种:English

入藏号: WOS:000427527100004

ISSN: 1545-5971

eISSN: 1941-0018

8.3.6 环境与生态学学科现状分析

环境科学与生态学 2018 年 5 月大陆高校 ESI 排名如表-17 所示。可以看出排在前 10 位的高校分别是中国科学院大学、北京大学、清华大学、浙江大学、北京师范大学、南京大学、同济大学、哈尔滨工业大学、中山大学和南开大学。在表-17 中,排名第 1 位的中国科学院大学至排名第 33 的暨南大学,其环境学及生态学进入了 ESI 的前 1%行列。我校的环境科学与生态学按照 ESI 总被引频次在大陆高校排名第 113 位,省内高校第 7 位。

表-17 ESI 环境科学与生态学大陆高校排名

排 名	机构名称	Web of Science 论文数	学科规 范化的 引文影 响力	被引 频次	论文 被引 百分 比	国际 合作 论文
1	University of Chinese Academy of Sciences, CAS	6219	0.96	57927	78.4	1728
2	Peking University	2298	1.46	35846	85.6	1071
3	Tsinghua University	2484	1.39	33076	82.33	946
4	Zhejiang University	2208	1.24	28407	81.43	841
5	Beijing Normal University	2533	1.14	27769	82.16	832
6	Nanjing University	2240	1.2	24995	84.51	875
7	Tongji University	1733	1.13	19642	81.36	537
8	Harbin Institute of Technology	1180	1.33	15761	78.98	360
9	Sun Yat Sen University	1218	1.21	14200	81.36	428
10	Nankai University	866	1.47	14147	84.18	238
11	China Agricultural University	1164	1.09	12738	80.5	498
12	Fudan University	899	1.45	11972	82.09	394
13	Shanghai Jiao Tong University	926	1.1	11032	80.45	310
14	Nanjing Agricultural University	848	1.29	10583	81.72	274

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
15	Ocean University of China	1206	0.91	10493	77.86	292
16	Dalian University of Technology	676	1.22	9423	80.47	164
17	East China Normal University	775	1.19	9282	81.55	334
18	China University of Geosciences	1294	0.81	9081	75.19	483
19	Lanzhou University	910	1.04	8946	81.98	350
20	Northwest A&F University - China	1100	1.1	8192	74.73	422
21	Xiamen University	837	0.97	8101	82.8	301
22	Hohai University	1283	0.75	7875	68.51	442
23	University of Science & Technology of China	523	1.44	7690	83.17	146
24	Shandong University	740	1.08	7395	79.46	189
25	Wuhan University	904	0.85	6636	74	291
26	Hunan University	453	1.91	6207	82.12	101
27	Beijing Forestry University	841	0.79	5945	73.6	289
28	Huazhong University of Science & Technology	550	1.09	5161	76.18	129
29	Zhejiang University of Technology	417	1.21	5097	82.97	105
30	Huazhong Agricultural University	627	0.99	4882	75.44	253
31	North China Electric Power University	527	1.44	4719	72.87	199
32	South China University of Technology	542	0.94	4448	78.23	153
33	Jinan University	534	1.13	3941	73.97	173
34	Shanghai University	336	1.22	3785	76.49	67
35	Nanjing University of Information Science & Technology	568	1.13	3558	72.54	246
36	Beijing University of Technology	340	1.14	3377	76.47	94
37	Sichuan University	644	0.71	3256	69.1	185
38	Central South University	393	1.49	3231	74.3	133
39	Nanjing Normal University	461	0.79	3201	77.22	109
40	Southeast University - China	416	0.78	3035	66.35	91
41	Chongqing University	483	0.93	3023	71.43	163
42	Tianjin University	517	0.89	2989	67.89	132
43	Northeast Normal University - China	378	0.94	2952	76.98	123
44	China University of Mining & Technology	628	0.7	2756	67.36	157
45	South China Agricultural University	368	0.79	2660	75.82	145

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
46	Guangdong University of Technology	156	1.59	2641	72.44	39
47	University of Science & Technology Beijing	353	0.77	2567	73.09	89
48	East China University of Science & Technology	316	0.88	2547	80.38	60
49	Xi'an Jiaotong University	335	1	2521	73.73	141
50	Zhejiang A&F University	205	1.67	2428	80.98	109
51	Jilin University	505	0.6	2361	67.92	105
52	Southwest University - China	369	0.74	2351	70.73	135
53	Dalian Maritime University	143	1.06	2124	77.62	50
54	Chinese Academy of Medical Sciences - Peking Union Medical College	197	0.9	2104	83.76	60
55	Shanxi University	270	0.84	2078	73.33	66
56	Shandong Agricultural University	172	1.32	2055	81.4	32
57	Kunming University of Science & Technology	215	1.1	2046	73.49	60
58	Xi'an University of Architecture & Technology	288	0.78	1980	72.57	70
59	Inner Mongolia University	160	1.15	1943	81.88	77
60	Shantou University	130	1.43	1866	77.69	42
61	Donghua University	193	1.44	1848	80.83	60
62	South China Normal University	238	0.92	1844	79.83	73
63	Central China Normal University	129	1.29	1837	80.62	20
64	Sichuan Agricultural University	280	0.92	1833	73.57	58
65	Wuhan University of Technology	159	1.14	1823	64.78	49
66	Henan Normal University	193	0.98	1776	72.02	19
67	Hunan Agricultural University	195	1.22	1702	74.87	39
68	Northeast Agricultural University - China	224	1.24	1701	70.09	46
69	Yunnan University	242	0.61	1700	78.93	87
70	Northeast Forestry University - China	211	0.86	1636	71.09	63
71	Suzhou University	206	2.04	1592	76.21	52
72	Hefei University of Technology	229	0.87	1578	71.18	93
73	Renmin University of China	206	1.13	1576	83.5	69
74	Shanghai Ocean University	271	0.58	1572	75.28	99
75	Fujian Normal University	154	1.1	1563	69.48	78
76	Zhengzhou University	203	0.69	1539	71.92	46

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
77	Nanjing Forestry University	241	0.83	1504	70.95	94
78	China University of Petroleum	259	0.85	1453	67.95	77
79	Beijing University of Chemical Technology	179	0.96	1443	77.09	34
80	Yangzhou University	143	0.91	1428	67.13	39
81	Chang'an University	249	1.15	1311	66.27	84
82	Beijing Institute of Technology	154	1.24	1294	77.27	43
83	Hangzhou Normal University	150	0.89	1293	76	49
84	Fuzhou University	100	1.14	1292	73	46
85	China Medical University	127	0.83	1279	78.74	38
86	Shaanxi Normal University	230	0.76	1268	62.17	54
87	Jiangnan University	194	0.8	1235	72.68	36
88	Qingdao University of Science & Technology	125	0.78	1221	79.2	25
89	Shanghai Normal University	90	1.15	1216	73.33	37
90	Shenzhen University	141	1.29	1167	71.63	62
91	Anhui Normal University	166	0.49	1143	74.7	31
92	Zhejiang Gongshang University	178	0.9	1138	74.72	34
93	Beihang University	171	0.88	1135	70.76	32
94	Capital Normal University	172	0.7	1112	77.33	53
95	Henan University	151	0.91	1108	77.48	60
96	Zhejiang Normal University	100	1.32	1089	73	28
97	Wenzhou Medical University	119	0.88	1081	83.19	47
98	Xinjiang University	153	0.81	1055	71.24	46
99	Hebei Agricultural University	92	0.92	1033	77.17	23
100	Guangxi University	227	0.58	1027	63.88	73
101	Nanjing Tech University	136	0.9	1008	75.74	36
102	Jiangsu University	228	0.89	999	61.84	37
103	Capital Medical University	144	0.82	998	68.75	33
104	Inner Mongolia Agricultural University	144	0.69	987	75	79
105	Nanjing Medical University	121	0.82	970	71.07	32
106	Guilin University of Technology	136	0.63	957	72.06	28
107	Tianjin University Science & Technology	93	0.95	955	75.27	25
108	Qingdao Agricultural University	132	0.9	954	77.27	35
109	Central South University of Forestry & Technology	98	1.02	928	78.57	49
110	Southern Medical University -	83	1.05	908	78.31	22

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
	China					
111	China Jiliang University	45	1.44	868	73.33	22
112	Tianjin Normal University	147	0.83	867	70.75	52
113	University of Jinan	134	0.72	865	70.15	30
114	Anhui Agricultural University	127	0.96	855	72.44	41
115	Northwest Normal University - China	100	0.63	851	70	22
116	Nanchang University	151	0.57	839	73.51	55
117	Northwest University Xi'an	157	0.69	809	68.15	56
118	Fujian Agriculture & Forestry University	173	0.87	796	62.43	64
119	Qilu University of Technology	108	0.8	788	68.52	20
120	Beijing University of Civil Engineering & Architecture	110	0.8	759	63.64	38

我校环境科学与生态学有 1 篇高被引论文，如图-17 所示：

1	CE-Ti AMORPHOUS OXIDES FOR SELECTIVE CATALYTIC REDUCTION OF NO WITH NH₃: CONFIRMATION OF CE-O-Ti ACTIVE SITES By: LI, P; XIN, Y; LI, Q; et al Source: ENVIRON SCI TECHNOL 46 (17): 9600-9605 SEP 4 2012 Research Fields: ENVIRONMENT/ECOLOGY	Times Cited: 127
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图-17 济南大学环境科学与生态学高被引论文

详细记录：

1.被引频次 127（济南大学是第 1 作者和通讯作者单位，化学化工学院）

Ce-Ti Amorphous Oxides for Selective Catalytic Reduction of NO with NH₃: Confirmation of Ce-O-Ti Active Sites

作者:Li, P (Li, Ping)[1] ; Xin, Y (Xin, Ying)[1] ; Li, Q (Li, Qian)[1] ; Wang, ZP (Wang, Zhongpeng)[1] ; Zhang, ZL (Zhang, Zhaoliang)[1] ; Zheng, LR (Zheng, Lirong)[2]

ENVIRONMENTAL SCIENCE & TECHNOLOGY 卷: 46 期: 17 页: 9600-9605

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