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2018年3月份更新

# 济南大学 ESI 学科 分析报告

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2007年1月1日-2017年12月31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 3 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 2007 年 1 月 1 日-2017 年 12 月 31 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

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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、工程学; 未进入前 1% 学科但有高被引论文的有 5 个, 分别是物理学、生物与生物化学、数学、农业科学、计算机科学, 和 2018 年 1 月份统计结果对比没有变化。

## 2 总体排名情况

2018 年 3 月国内高校 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 位的高校分别是中国科学院大学、北京大学、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 总被引频次在国内高校排名第 83 位, 省内高校第 4 位。

表-1 2018 年 3 月 ESI 学科总体排名

大陆高校排名	全球排名	机构名称	WOS 论文数	被引次数	篇均被引次数	高被引论文数
1	107	UNIV CHINESE ACAD SCI	78009	938104	12.03	928
2	108	PEKING UNIV	64583	937833	14.52	1219
3	125	TSING HUA UNIV	65365	868725	13.29	1358
4	128	ZHEJIANG UNIV	73801	856280	11.6	885
5	143	SHANGHAI JIAO TONG UNIV	71270	799948	11.22	853
6	175	FUDAN UNIV	49203	691567	14.06	739
7	223	NANJING UNIV	42084	561333	13.34	630
8	225	UNIV SCI & TECHNOL CHINA	38450	560297	14.57	808
9	228	SUN YAT SEN UNIV	43996	546918	12.43	569
10	301	SHANDONG UNIV	41591	424160	10.2	359
11	310	HUAZHONG UNIV SCI & TECHNOL	42394	413554	9.76	516
12	321	SICHUAN UNIV	42732	402469	9.42	346
13	334	JILIN UNIV	38398	390634	10.17	317

大陆 高校 排名	全球 排名	机构名称	WOS 论 文数	被引次 数	篇均 被引 次数	高被 引论 文数
14	380	WUHAN UNIV	31467	349034	11.09	421
15	389	HARBIN INST TECHNOL	37190	341352	9.18	538
16	398	NANKAI UNIV	21843	332304	15.21	390
17	411	XIAN JIAOTONG UNIV	36448	317231	8.7	400
18	433	DALIAN UNIV TECHNOL	27263	294683	10.81	291
19	436	CENT S UNIV	33273	293352	8.82	370
20	437	S CHINA UNIV TECHNOL	24492	292109	11.93	430
21	463	SUZHOU UNIV	23441	276298	11.79	383
22	483	XIAMEN UNIV	21775	268771	12.34	364
23	494	TONGJI UNIV	28946	259463	8.96	301
24	499	SOUTHEAST UNIV	27211	256970	9.44	411
25	510	LANZHOU UNIV	20235	251919	12.45	234
26	517	TIANJIN UNIV	26933	248048	9.21	302
27	528	E CHINA UNIV SCI & TECHNOL	17843	241016	13.51	244
28	565	BEIJING NORMAL UNIV	19806	216867	10.95	278
29	604	CHINA AGR UNIV	18662	201678	10.81	200
30	672	HUNAN UNIV	15451	180784	11.7	276
31	709	CAPITAL MED UNIV	19127	168454	8.81	110
32	717	BEIHANG UNIV	22482	164724	7.33	271
33	721	E CHINA NORMAL UNIV	14661	164310	11.21	170
34	760	CHINA UNIV GEOSCI	15978	155518	9.73	226
35	761	NANJING MED UNIV	15685	155380	9.91	123
36	771	BEIJING UNIV CHEM TECHNOL	12247	153456	12.53	145
37	775	BEIJING INST TECHNOL	17451	151431	8.68	241
38	786	SECOND MIL MED UNIV	12167	148658	12.22	103
39	792	SHANGHAI UNIV	15920	146854	9.22	162
40	843	UNIV SCI & TECHNOL BEIJING	16639	135302	8.13	157
41	865	FOURTH MIL MED UNIV	10998	131028	11.91	73
42	880	CHONGQING UNIV	17721	128556	7.25	174
43	901	NANJING AGR UNIV	12440	124644	10.02	120
44	909	UNIV ELECT SCI & TECHNOL CHINA	18618	123536	6.64	232
45	910	ZHENGZHOU UNIV	16271	123499	7.59	111
46	925	WUHAN UNIV TECHNOL	9886	120769	12.22	233
47	942	FUZHOU UNIV	8047	116987	14.54	188
48	964	HUAZHONG AGR UNIV	10790	114026	10.57	131
49	986	NE NORMAL UNIV	8253	110918	13.44	100
50	996	OCEAN UNIV CHINA	11782	109836	9.32	92
51	998	CENT CHINA NORMAL UNIV	7502	109203	14.56	153
52	1006	NORTHWESTERN POLYTECH UNIV	16913	108037	6.39	184
53	1034	JIANGNAN UNIV	11789	104000	8.82	133

大陆 高校 排名	全球 排名	机构名称	WOS 论 文数	被引次 数	篇均 被引 次数	高被 引论 文数
54	1045	DONGHUA UNIV	8601	101952	11.85	146
55	1061	SOUTHWEST UNIV	11203	100191	8.94	121
56	1065	TIANJIN MED UNIV	9375	99648	10.63	61
57	1066	NANJING UNIV SCI & TECHNOL	12166	99566	8.18	163
58	1079	THIRD MIL MED UNIV	9357	97837	10.46	67
59	1083	JIANGSU UNIV	12167	97569	8.02	132
60	1097	NANJING UNIV AERONAUT & ASTRONAUT	11922	95282	7.99	159
61	1099	NANJING TECH UNIV	9452	94907	10.04	132
62	1105	CHINA MED UNIV	10668	94469	8.86	45
63	1106	NW A&F UNIV	12152	94240	7.76	96
64	1114	SOUTHERN MED UNIV	10838	93308	8.61	62
65	1119	HARBIN MED UNIV	9248	92659	10.02	56
66	1121	NORTHEASTERN UNIV-CHINA	13470	92143	6.84	122
67	1124	CHINA UNIV PETR	13689	91224	6.66	141
68	1160	NW UNIV XIAN	7874	87407	11.1	80
69	1162	JINAN UNIV	10812	87079	8.05	85
70	1212	S CHINA NORMAL UNIV	9090	81766	9	57
71	1281	UNIV TOWN SHENZHEN	7335	75541	10.3	116
72	1284	NANCHANG UNIV	9533	75211	7.89	68
73	1285	CHINA PHARMACEUT UNIV	7981	75104	9.41	36
74	1301	CHONGQING MED UNIV	8162	73641	9.02	35
75	1310	NANJING-NORMAL UNIV	7976	72760	9.12	117
76	1320	ZHEJIANG UNIV TECHNOL	8773	71732	8.18	66
77	1341	WENZHOU MED UNIV	8653	69726	8.06	38
78	1352	XIDIAN UNIV	12376	68694	5.55	106
79	1354	YANGZHOU UNIV	7809	68545	8.78	97
80	1355	BEIJING UNIV TECHNOL	9425	68530	7.27	64
81	1390	HARBIN ENGN UNIV	6699	65376	9.76	124
82	1435	HEFEI UNIV TECHNOL	7535	62636	8.31	96
83	1449	UNIV JINAN	7176	61909	8.63	67
84	1465	QINGDAO UNIV	7600	60839	8.01	94
85	1470	S CHINA AGR UNIV	7240	60474	8.35	60
86	1491	NATL UNIV DEF TECHNOL	11175	59388	5.31	52
87	1493	CHINA UNIV MIN & TECHNOL	10305	59315	5.76	135
88	1496	BEIJING JIAOTONG UNIV	9853	58973	5.99	98
89	1500	SHAANXI NORMAL UNIV	7439	58917	7.92	55
90	1519	ANHUI MED UNIV	6465	58148	8.99	32
91	1529	SHENZHEN UNIV	8273	57355	6.93	118
92	1553	XIANGTAN UNIV	5701	55985	9.82	67

大陆 高校 排名	全球 排名	机构名称	WOS 论 文数	被引次 数	篇均 被引 次数	高被 引论 文数
93	1563	ZHEJIANG NORMAL UNIV	5528	55753	10.09	62
94	1626	N CHINA ELECT POWER UNIV	6856	52599	7.67	115
95	1677	SHENYANG PHARMACEUT UNIV	4999	49833	9.97	18
96	1683	SHANGHAI NORMAL UNIV	4470	49670	11.11	59
97	1685	QINGDAO UNIV SCI & TECHNOL	4735	49621	10.48	25
98	1694	SW JIAOTONG UNIV	7722	49171	6.37	65
99	1697	HANGZHOU NORMAL UNIV	4964	49133	9.9	64
100	1710	SHANXI UNIV	6005	48761	8.12	68
101	1736	NINGBO UNIV	6740	47768	7.09	48
102	1744	YUNNAN UNIV	5657	47480	8.39	30
103	1758	SHANTOU UNIV	4053	46951	11.58	44
104	1764	HENAN NORMAL UNIV	5631	46767	8.31	59
105	1771	NANJING UNIV POSTS TELECOM	4784	46489	9.72	106
106	1796	HUNAN NORMAL UNIV	5001	45496	9.1	28
107	1797	RENMIN UNIV CHINA	4956	45491	9.18	65
108	1805	BEIJING FORESTRY UNIV	5834	45325	7.77	62
109	1808	ANHUI UNIV	5634	45170	8.02	54
110	1813	HENAN UNIV	5858	44999	7.68	26
111	1818	GUANGZHOU MED UNIV	5739	44937	7.83	46
112	1825	BEIJING UNIV POSTS TELECOM	8475	44641	5.27	77
113	1883	ZHEJIANG SCI TECH UNIV	4458	42226	9.47	45
114	1888	NANJING UNIV INFORMAT SCI & TECHNOL	6683	42072	6.3	107
115	1900	HOHAI UNIV	7813	41654	5.33	58
116	1918	GUANGXI UNIV	5863	40746	6.95	32
117	1929	NANTONG UNIV	5654	40181	7.11	23
118	1937	CAPITAL NORMAL UNIV	5142	39800	7.74	34
119	1938	ANHUI NORMAL UNIV	3371	39759	11.79	25
120	1947	SHANDONG AGR UNIV	4471	39461	8.83	18
121	1979	DALIAN MED UNIV	4526	38224	8.45	26
122	2000	YANSHAN UNIV	5976	37678	6.3	45
123	2046	TAIYUAN UNIV TECHNOL	6205	36383	5.86	39
124	2057	BEIJING INST GENOMICS	1166	36101	30.96	34
125	2059	HEBEI MED UNIV	4663	36005	7.72	15
126	2095	KUNMING UNIV SCI & TECHNOL	6044	34908	5.78	30
127	2160	GUANGXI MED UNIV	4011	33030	8.23	21
128	2166	NE FORESTRY UNIV	4203	32902	7.83	20
129	2171	HUBEI UNIV	3658	32829	8.97	31
130	2192	HEILONGJIANG UNIV	3055	32261	10.56	36
131	2193	FUJIAN MED UNIV	4564	32207	7.06	8



大陆 高校 排名	全球 排名	机构名称	WOS 论 文数	被引次 数	篇均 被引 次数	高被 引论 文数
132	2223	WENZHOU UNIV	3311	31504	9.51	27
133	2223	SICHUAN AGR UNIV	4772	31504	6.6	27
134	2228	NW NORMAL UNIV	4193	31437	7.5	22
135	2235	HEBEI UNIV	4636	31326	6.76	16
136	2268	JIANGXI NORMAL UNIV	3568	30653	8.59	24
137	2299	GUANGDONG UNIV TECHNOL	4730	30167	6.38	75
138	2301	JIANGSU NORMAL UNIV	3781	30164	7.98	40
139	2338	NANJING UNIV CHINESE MED	3792	29359	7.74	26
140	2341	SHANDONG NORMAL UNIV	3983	29351	7.37	25
141	2378	CHANGZHOU UNIV	3762	28708	7.63	27
142	2392	FUJIAN NORMAL UNIV	3894	28460	7.31	26
143	2405	SHANGHAI UNIV TCM	3545	28191	7.95	10
144	2415	TIANJIN POLYTECH UNIV	4306	27980	6.5	30
145	2417	HUAQIAO UNIV	3105	27877	8.98	23
146	2421	HEBEI NORMAL UNIV	3233	27805	8.6	8
147	2448	UNIV SHANGHAI SCI TECHNOL	4782	27349	5.72	49
148	2485	GUANGXI NORMAL UNIV	3003	26473	8.82	19
149	2502	XINJIANG UNIV	3524	26083	7.4	23
150	2529	TIANJIN UNIV SCI & TECHNOL	3484	25463	7.31	19
151	2537	QUFU NORMAL UNIV	3378	25189	7.46	67
152	2576	LIAOCHENG UNIV	3205	24584	7.67	15
153	2593	GUIZHOU UNIV	3592	24193	6.74	46
154	2597	NE AGR UNIV	3643	24086	6.61	25
155	2598	UNIV S CHINA	2608	24057	9.22	19
156	2629	CHINA JILIANG UNIV	3469	23698	6.83	26
157	2662	TIANJIN NORMAL UNIV	2500	23165	9.27	29
158	2665	HEBEI UNIV TECHNOL	3581	23142	6.46	15
159	2695	ANHUI UNIV TECHNOL	2365	22739	9.61	36
160	2699	S CENT UNIV NATIONALITIES	2251	22667	10.07	27
161	2719	GUANGDONG MED UNIV	2591	22307	8.61	8
162	2750	QILU UNIV TECHNOL	3319	21794	6.57	14
163	2756	N CHINA UNIV SCI	2156	21680	10.06	43
164	2767	HANGZHOU DIANZI UNIV	3680	21516	5.85	52
165	2800	SHANGHAI OCEAN UNIV	2951	21055	7.13	39
166	2820	HUNAN AGR UNIV	2547	20784	8.16	28
167	2837	LIAONING NORMAL UNIV	2816	20522	7.29	5
168	2861	DALIAN MARITIME UNIV	2613	20154	7.71	38
169	2863	ZHEJIANG AGR FORESTRY UNIV	2599	20148	7.75	39
170	2897	BOHAI UNIV	2020	19710	9.76	73
171	2900	TIANJIN UNIV TECHNOL	2570	19684	7.66	27

大陆 高校 排名	全球 排名	机构名称	WOS 论 文数	被引次 数	篇均 被引 次数	高被 引论 文数
172	2913	XUZHOU MED COLL	2942	19480	6.62	11
173	2936	KUNMING MED UNIV	2737	19240	7.03	11
174	2943	FUJIAN AGR & FORESTRY UNIV	3184	19171	6.02	33
175	2957	LANZHOU UNIV TECHNOL	2721	18890	6.94	34
176	2969	WUHAN UNIV SCI & TECHNOL	3171	18721	5.9	19
177	2990	ZHEJIANG GONGSHANG UNIV	2585	18455	7.14	22
178	3065	HENAN POLYTECH UNIV	3238	17516	5.41	20
179	3087	NANCHANG HANGKONG UNIV	2040	17296	8.48	18
180	3102	BEIJING UNIV CHINESE MED	3068	17170	5.6	8
181	3105	LIAONING UNIV	2121	17150	8.09	14
182	3111	CHANGSHA UNIV SCI & TECHNOL	2779	17104	6.15	16
183	3116	HARBIN NORMAL UNIV	1883	17069	9.06	12
184	3130	QINGDAO AGRI UNIV	2196	16906	7.7	13
185	3133	SHANXI MED UNIV	2217	16846	7.6	7
186	3134	YANBIAN UNIV	2269	16823	7.41	4
187	3143	GUANGZHOU UNIV CHINESE MED	2646	16726	6.32	9
188	3166	HENAN UNIV TECHNOL	2057	16493	8.02	17
189	3169	CHENGDU UNIV TECHNOL	2746	16475	6	11
190	3238	HENAN AGR UNIV	2235	15729	7.04	8
191	3282	CHANGAN UNIV	3112	15329	4.93	26
192	3307	HEBEI AGR UNIV	1792	15012	8.38	12
193	3327	SHANDONG UNIV SCI & TECHNOL	3097	14796	4.78	51
194	3350	GUANGDONG PHARMACEUT UNIV	2004	14529	7.25	9
195	3356	HUAIBEI NORMAL UNIV	1316	14489	11.01	15
196	3415	SW PETR UNIV	3218	13780	4.28	44
197	3425	LUOYANG NORMAL UNIV	1955	13706	7.01	7
198	3426	XIAN UNIV ARCHITECTURE & TECHOL	2294	13697	5.97	10
199	3458	NINGXIA MED UNIV	1649	13364	8.1	9
200	3472	SHAANXI UNIV SCI & TECHNOL	2319	13221	5.7	7
201	3506	XIAN UNIV TECHNOL	2913	12904	4.43	15
202	3516	PLA UNIV SCI TECHNOL	2832	12814	4.52	24
203	3565	HEBEI UNIV SCI & TECHNOL	1668	12384	7.42	15
204	3580	ANHUI AGR UNIV	2117	12214	5.77	8
205	3591	XINJIANG MED UNIV	2339	12068	5.16	6
206	3655	LIAONING UNIV TECH	818	11496	14.05	72
207	3721	ZHEJIANG CHINESE MED UNIV	1767	11091	6.28	6
208	3779	XINXIANG MED UNIV	2092	10653	5.09	5
209	3883	SHENYANG AEROSPACE UNIV	1147	9940	8.67	7
210	3897	YUNNAN AGR UNIV	1413	9861	6.98	7
211	3955	SHANGHAI MARITIME UNIV	1722	9451	5.49	23

大陆 高校 排名	全球 排名	机构名称	WOS 论 文数	被引次 数	篇均 被引 次数	高被 引论 文数
212	3996	INNER MONGOLIA AGR UNIV	1357	9220	6.79	8
213	3997	FUJIAN UNIV TRADIT CHINESE MED	1026	9215	8.98	3
214	4036	SHENYANG AGR UNIV	1760	9003	5.12	7
215	4114	SOUTHWEST MED UNIV	1364	8387	6.15	8
216	4166	CHINESE UNIV HONG KONG SHENZHEN	1150	8035	6.99	24
217	4208	TAISHAN MED UNIV	1421	7809	5.5	7
218	4230	BINZHOU MED UNIV	1516	7679	5.07	2
219	4291	HAINAN MED UNIV	948	7317	7.72	3
220	4308	NORTHEAST PETR UNIV	1221	7194	5.89	22
221	4381	JINZHOU MEDICAL UNIV	1331	6816	5.12	7
222	4382	WUHAN NAVAL UNIV ENG	1028	6815	6.63	4
223	4506	XIAN MED UNIV	1098	6114	5.57	7
224	4519	BENGBU MED COLL	969	6065	6.26	2
225	4533	INNER MONGOLIA MED UNIV	1010	6006	5.95	3
226	4539	HUBEI UNIV MED	1172	5980	5.1	7
227	4648	NORTH SICHUAN MED UNIV	777	5482	7.06	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 3 月 15 日的统计数据中（2018 年 3 月份更新数据），山东省共有 15 所高校共计 17 个学科进入了 ESI 全球前 1%。具体情况如表-2 所示。

表-2 2018 年 3 月山东省 ESI 学科概况

高校名称	ESI 学科数量	高被引论文数量	热点论文数量
山东大学	15	359	16
中国海洋大学	9	92	6
青岛大学	5	94	5
中国石油大学	4	141	8
济南大学	4	67	3

高校名称	ESI 学科数量	高被引论文数量	热点论文数量
青岛科技大学	3	25	1
曲阜师范大学	2	67	2
山东农业大学	2	18	1
齐鲁工业大学	2	14	1
青岛农业大学	2	13	1
山东科技大学	1	51	16
山东师范大学	1	25	0
聊城大学	1	15	1
泰山医学院	1	7	1
滨州医学院	1	2	1

### 3.2 山东省 ESI 学科全球排名情况

在 2018 年 3 月 15 日的统计数据中（2018 年 3 月份更新数据），山东省共有 15 所高校共计 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 3 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		392				766		287							
生物及生物化学	273	754													
化学	92	755	423	428	902		540		819	890	1103			1141	
临床医学	475				1404		1559						3528		4062

	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
计算机科学	288														
经济学与商学															
工程学	141	792	217	1114	624		1030				781	1103		1354	
环境学及生态学	590	460													
地学		244	367												
免疫学	532														
材料科学	89	578	323	570	793		531								
数学	85														
微生物学															
分子生物学与遗传学	535														
综合学科															
神经科学与行为科学	595				829										
药理学与毒理学	148	598													
物理学	239														
植物与动物科学	754	326				1132		340							
心理学与精神病学															
一般社会科学	939														
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 2007 年 1 月 1 日-2017 年 12 月 31 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)

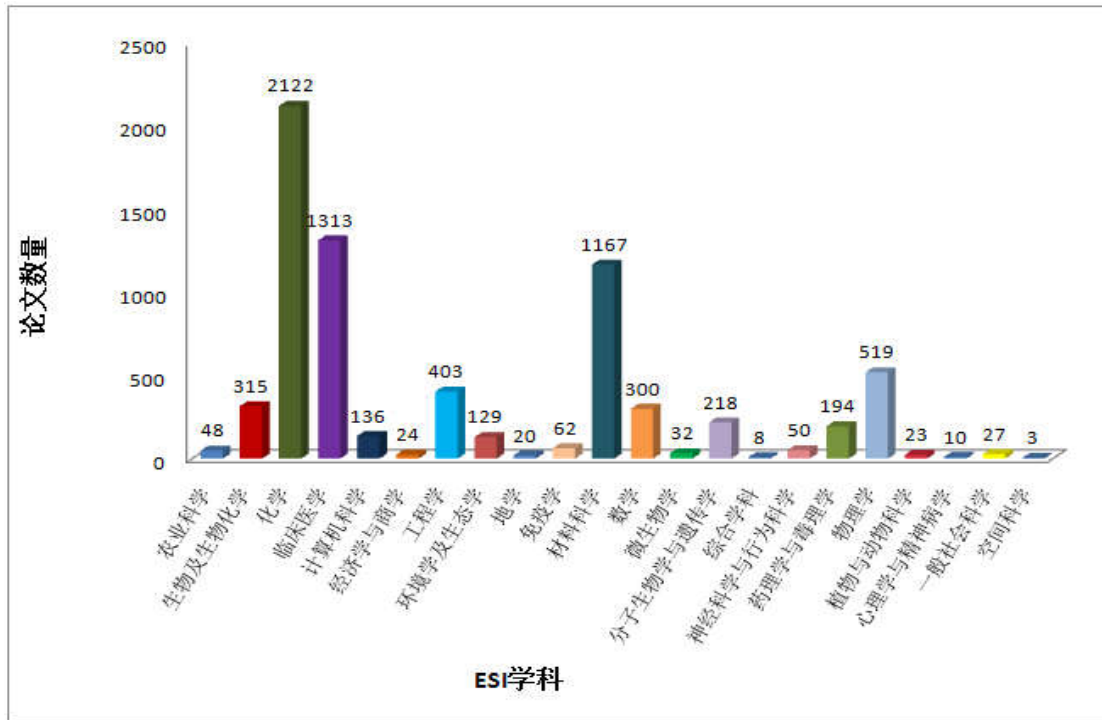


图-1 济南大学各学科科研产出(2007.1.1-2017.12.31)

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、生物与生物化学及工程学等学科有一定的影响力,如图-2所示。(数据来源于 Incites)

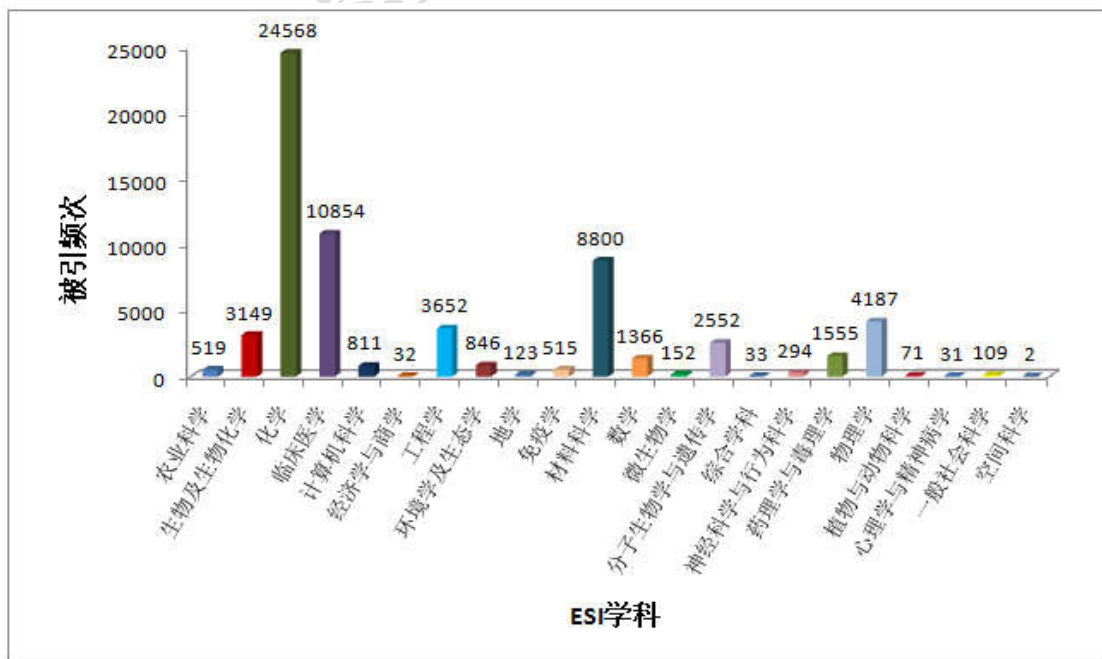


图-2 济南大学各学科论文总被引频次(2007.1.1-2017.12.31)

## 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<sup>1</sup>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%。可以看到除了已经进入前 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)

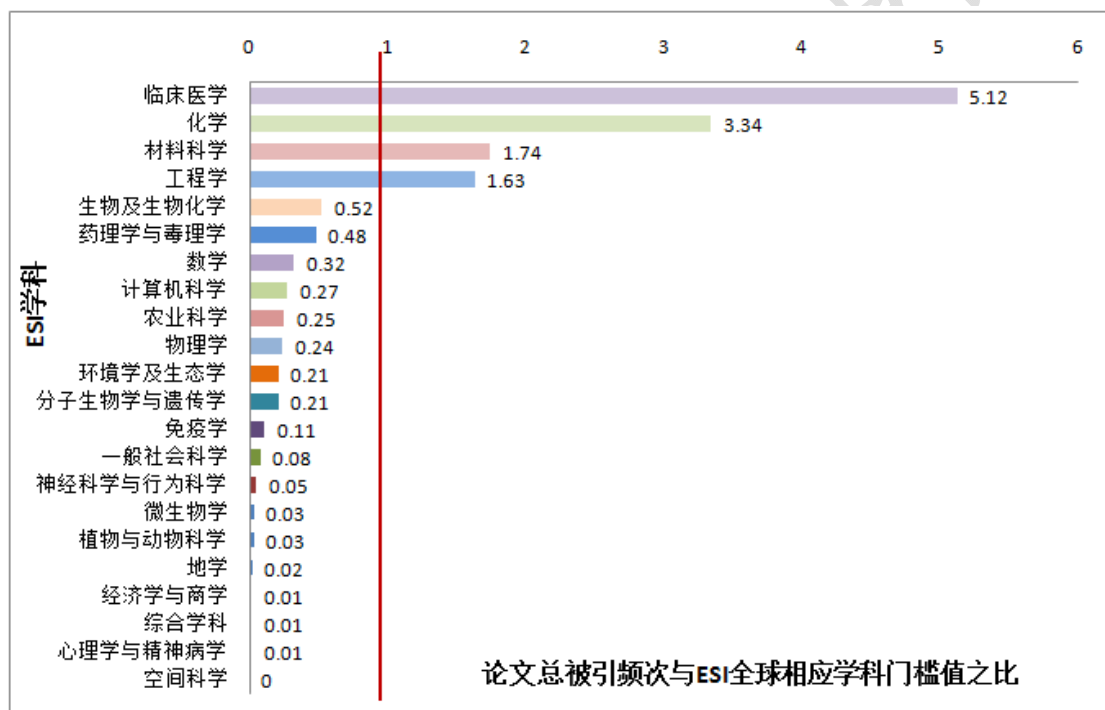


图-3 济南大学 ESI 学科趋势预测

## 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

<sup>1</sup>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。

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 3 月 15 日（2018 年 3 月份更新数据）统计结果，我校共有 67 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、生物学与生物化学、数学、农业科学、计算机科学这 9 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”，截至至今在 Web of Science 中总被引用 359 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”，截止至今在 Web of Science 中总被引用 337 次。

## 7 济南大学 ESI 高被引论文总体情况

截至到 2018 年 3 月 15 日（2018 年 3 月份更新数据），我校高被引论文共 67 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	2,136	23,746	11.12	13
2	CLINICAL MEDICINE	1,322	10,755	8.14	8
3	MATERIALS SCIENCE	1,170	8,445	7.22	10
4	ENGINEERING	408	3,332	8.17	18
0	ALL FIELDS	7,176	61,909	8.63	67

图-4 济南大学高被引论文



## 7.1 高被引论文学科分布

我校 67 篇高被引论文中,进入前 1%学科的共有 49 篇,分别是 Chemistry (化学) 13 篇, Clinical Medicine (临床医学) 8 篇, Materials Science (材料科学) 10 篇, Engineering (工程学) 18 篇;其他未进入前 1%学科的高被引论文共 18 篇,分别是 Physics (物理学) 8 篇, Biology & Biochemistry (生物和生物化学) 4 篇, Mathematics (数学) 3 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) 1 篇。如图-5 所示。

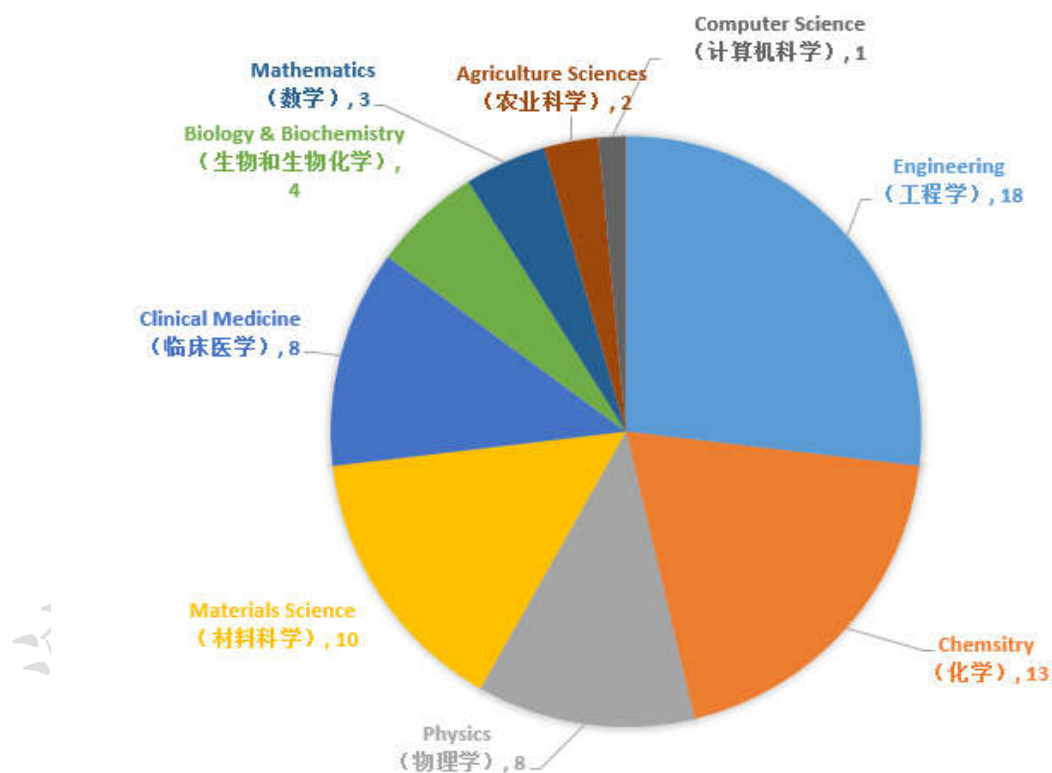


图-5 高被引论文学科分布

## 7.2 高被引论文学院分布

总起来说,67 篇 (去掉 1 篇非济南大学论文) 即 66 篇高被引论文分布在 9 个学院 (研究院), 其中化学化工学院 15 篇、资源与环境学院 10 篇、医学与

生命科学学院 10 篇、物理科学与技术学院 9 篇、材料科学与工程学院 7 篇、光功能与成像研究院 6 篇、数学科学学院 3 篇、商学院 2 篇、信息科学与工程学院 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

学院名称	高被引论文数
化学化工学院	15
资源与环境学院	10
医学与生命科学学院	10
物理科学与技术学院	9
材料科学与工程学院	7
光功能材料与成像研究院	6
数学科学学院	3
商学院	2
信息科学与工程学院	2
外国语学院	1
自动化与控制学院	1
其他	1

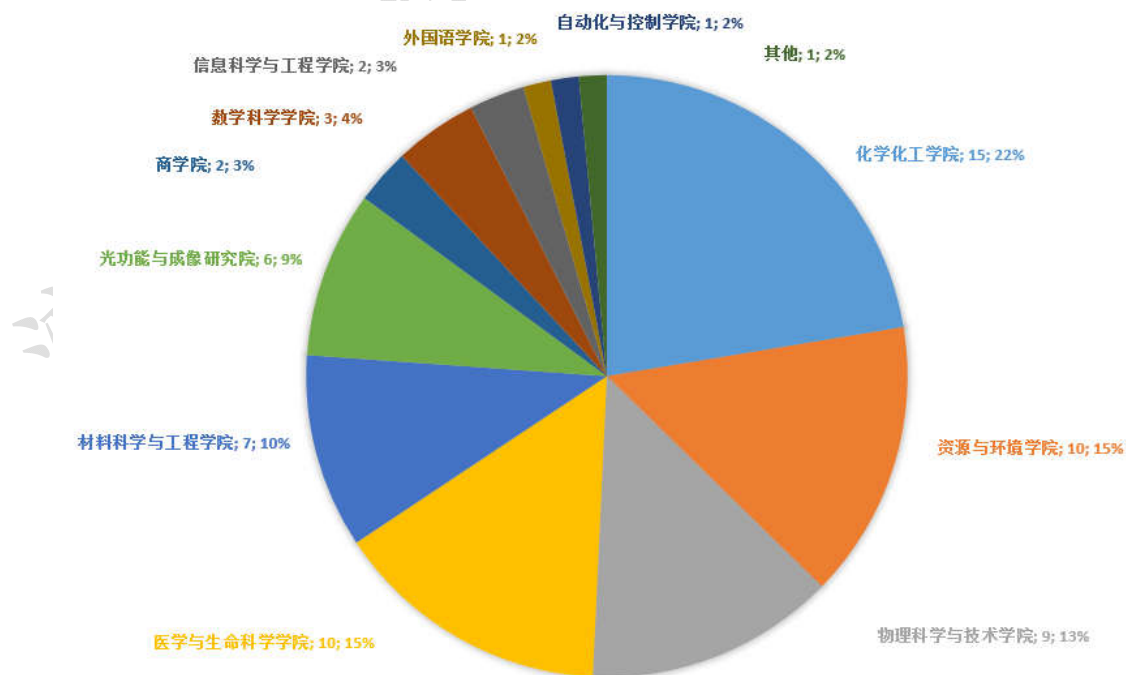


图-6 高被引论文学院分布

### 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、物理学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 13 篇高被引论文来自 3 个学院(研究院)，材料科学 10 篇高被引论文分布在 3 个学院，工程学 18 篇高被引论文来自资源与环境学院、化学化工学院和材料科学与工程学院等 8 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	工程学	临床医学	生物 学与 生物 化学	数学	物理 学	农业 科学	计算 机科 学
化学化工学院	5	4	2		2		2		
资源与环境学院			9					1	
物理科学与技术学院		2	1				6		
医学与生命科学学院				8	2				
光功能材料与成像研究院	6								
材料科学与工程学院	2	4	1						
数学科学学院						3			
商学院			2						
信息科学与工程学院			1					1	
外国语学院			1						
自动化与电气工程学院			1						
其他								1	

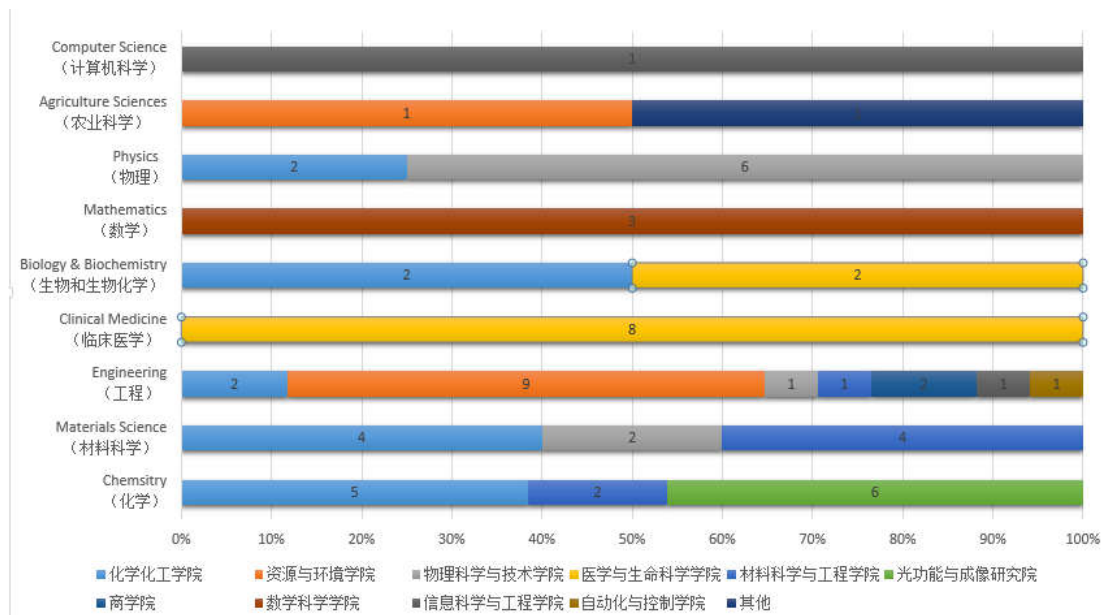


图-7 高被引论文学院贡献度

## 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 45 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、杜斌团队和张昌文团队，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	11	罗川南	3	Fan Lulu	2
				Li Leilei	1
		于京华	4	Wang shoumei	1
				Ge Lei	1
				Zhang Yan	1
				葛慎光	1
		徐彩霞	2	徐彩霞	1
				Zhao Dianyun	1
		魏琴	1	Ren Xiang	1
		吴丹	1	Li Xiaojian	1

学院	论文篇数	通讯作者	论文篇数	第 1 作者	论文篇数
资源与环境学院	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		
物理科学与技术学院	8	张昌文	5	Zhang Runwu	2
				Zhao Hui	1
				Wang Yaping	2
		徐锡金	2	Zhang Shouwei	1
				He Weidong	1
徐锡金第 2	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	2	孙书荣	2	Zhao Yige	2
材料科学与工程学院	3	李嘉	1	Lu Lu	1
		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 6 篇,挤出 2 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3月份数据更新	2017年5月份	2017年7月份	2017年9月份	2017年11月份	2018年1月份	2018年3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	2012	于京华	Ge Lei	174	177	182	184	186	191	195
		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
	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	2012		Wang Shoumei	127	130	137	140	144	152	153
	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
	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	2012	罗川南	Fan Lulu	165	173	180	187	192	199	209
	BIOLOGY & BIOCHEMISTRY (生物与生物化学)	HIGHLY SELECTIVE ADSORPTION OF LEAD IONS BY WATER-DISPERSIBLE MAGNETIC CHITOSAN/GRAPHENE OXIDE COMPOSITES	COLLOID SURFACE B 103: 523-529 MAR 1 2013	2013		Fan Lulu	97	108	116	120	121	123	128
		ADSORBENT FOR CHROMIUM REMOVAL BASED ON GRAPHENE OXIDE FUNCTIONALIZED WITH MAGNETIC CYCLODEXTRIN-CHITOSAN	COLLOID SURFACE B 107: 76-83 JUL 1 2013	2013		Li Leilei	82	91	94	98	100	101	111
	ENGINEERING (工程学)	NANOPOROUS PDCU ALLOY FOR FORMIC ACID ELECTRO-OXIDATION	J POWER SOURCES 199: 124-131 FEB 1 2012	2012	徐彩霞		83	85					
		NANOPOROUS PTCO AND PTNI ALLOY RIBBONS FOR METHANOL ELECTROOXIDATION	INT J HYDROGEN ENERG 37 (14): 10489-10498 JUL 2012	2012		Zhao Dianyun	56	60	64	67	68	70	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							

学院	学科	题名	来源	出版年	通讯作者	第一作者	2017年3月份数据更新	2017年5月份	2017年7月份	2017年9月份	2017年11月份	2018年1月份	2018年3月份
		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	34	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		Ren Xiang					5	7	10
	Environment/Ecology (环境与生态学)	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		
	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
资源与环境学院	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		肖良国	100	105	108	113	118	121	126
		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	90	95	97	103	107	110	115
		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		Guo Xiaoyao	63	74	81	89	94	106	114
		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		Cui Limei	30	41	47	54	61	71	81
		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	7	8	11	12	15	17	24
		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	80	86	87	91	93	95	99
		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	49	56	59	61	66	73	78

学院	学科	题名	来源	出版年	通讯作者	第一作者	2017年3月份数据更新被引数据	2017年5月份	2017年7月份	2017年9月份	2017年11月份	2018年1月份	2018年3月份
		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	33	37	43	46	48	51	56
		Adsorption of Cd(II) by Mg-Al-CO <sub>3</sub> - and magnetic Fe <sub>3</sub> O <sub>4</sub> /Mg-Al-CO <sub>3</sub> -layered double hydroxides: Kinetic, isothermal, thermodynamic and mechanistic studies	JOURNAL OF HAZARDOUS MATERIALS 卷: 299 页: 42-49, 2015	2015		Shan Ranran			25	27	30	36	42
	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
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
		UNEXPECTED GIANT-GAP QUANTUM SPIN HALL INSULATOR IN CHEMICALLY DECORATED PLUMBENE MONOLAYER	SCI REP 6: - FEB 2 2016	2016		Zhao Hui	20	22	32	43	45	45	46
		FUNCTIONALIZED THALLIUM ANTIMONY FILMS AS EXCELLENT CANDIDATES FOR LARGE-GAP QUANTUM SPIN HALL INSULATOR	SCI REP 6: - FEB 17 2016	2016		Zhang Runwu	12	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		Wang Yaping			21	29	31	31	31
		Controllable band structure and topological phase transition in two-dimensional hydrogenated arsenene	SCI REP 6: - FEB 3 2016	2016		Wang, Yaping	11	15	19	25	29	32	33
		ROOM TEMPERATURE QUANTUM SPIN HALL INSULATOR IN ETHYNYL-DERIVATIVE FUNCTIONALIZED STANENE FILMS	SCI REP 6: - JAN 5 2016	2016		Zhang Runwu	10	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	9	12	18	25	26	30
	Formation of Fe <sub>3</sub> O <sub>4</sub> @MnO <sub>2</sub> 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	11	22	24	31	38	41	47
	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
	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2	Zhang ShouWei				4	8	9	15



学院	学科	题名	来源	出版年	通讯作者	第一作者	2017年3月份数据更新	2017年5月份	2017年7月份	2017年9月份	2017年11月份	2018年1月份	2018年3月份
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	52	54	54	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	38	40			45	46	47
功能材料与成像研究院	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	林伟英	Tang Yongke	49	54	67	74	84	94	103
		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		Chen Hua	13	16	19	26	30	34	39
		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	10	13	25	36	41	49	57
		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		Dong Baoli		12	18	23	29	32	40
		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
		Fluorescent chemosensors manipulated by dual/triple interplaying sensing mechanisms	CHEMICAL SOCIETY REVIEWS 卷: 45 期: 23 页: 6449-6461	2016		何隆薇							38
		ENGINEERING (工程学)	A hierarchically porous MgFe2O4/gamma-Fe2O3 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
材料科学与工程学院	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	曹丙强	Xu Qji	9						
		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	SOLAR ENERGY MATERIALS AND SOLAR CELLS 2017 年, 卷: 159 页: 227-234	2017		Qiu Xiaofeng			3	8	15	17	24

学院	学科	题名	来源	出版年	通讯作者	第一作者	2017年3月份数据更新	2017年5月份	2017年7月份	2017年9月份	2017年11月份	2018年1月份	2018年3月份
		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	赵松方							11
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 (工程学)	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
	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	校外	王琳						6	6
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	303	310	319	321	327	330	337
		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
		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

## 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	高被引论文编号	高被引次数	所属学院	通	通	通	非	非	非	非	非	非
						讯	讯	讯	通	通	通	通	通	
						作	作	作	通	通	通	非	非	非
						者	者	者	讯	讯	讯	通	通	通
						第	第	第	第	第	第	第	第	第
						1	2	4	2	3	4	7	9	13
						单	单	单	单	单	单	单	单	单
						位	位	位	位	位	位	位	位	位
进入前1%学科	CHEMISTRY (化学)	13	1	359	化学化工学院					√				
			2	261	化学化工学院					√				
			3	203	材料科学与工程学院					√				
			4	153	化学化工学院	√								
			5	103	光功能材料与成像研究院	√								
			6	57	光功能材料与成像研究院	√								
			7	40	光功能材料与成像研究院	√								
			8	39	光功能材料与成像研究院	√								
			9	38	光功能材料与成像研究院	√								
			10	34	化学化工学院	√								
			11	14	光功能材料与成像研究院	√								
			12	11	材料科学与工程学院						√			
			13	11	化学化工学院	√								
	Clinical Medicine (临床医学)	8	1	337	医学与生命科学学院	√								
			2	260	医学与生命科学学院									√
			3	143	医学与生命科学学院									√
			4	67	医学与生命科学学院-肿瘤医院	√								
			5	47	医学与生命科学学院		√							
			6	42	医学与生命科学学院		√							
			7	39	医学与生命科学学院	√								
			8	25	医学与生命科学学院		√							
	Materials Science (材料科学)	10	1	195	化学化工学院	√								
			2	125	化学化工学院					√				
			3	122	材料科学与工程学院					√				
			4	47	物理科学与技术学院	√								
			5	34	材料科学与工程学院						√			
			6	21	化学化工学院	√								
			7	19	材料科学与工程学院	√								
			8	16	物理科学与技术学院	√								
			9	11	材料科学与工程学院	√								
			10	10	化学化工学院	√								
	Engineering (工程学)	18	1	209	化学化工学院	√								
			2	126	资源与环境学院	√								
3			115	资源与环境学院	√									

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7单位	非通讯第9单位	非通讯第13单位			
Engineering (工程学)			4	114	资源与环境学院	√												
			5	99	资源与环境学院	√												
			6	85	商学院						√							
			7	81	资源与环境学院	√												
			8	80	商学院			√										
			9	78	资源与环境学院	√												
			10	72	化学化工学院	√												
			11	56	资源与环境学院	√												
			12	51	自动化与控制学院										√			
			13	42	资源与环境学院	√												
			14	24	资源与环境学院	√												
			15	18	材料科学与工程学院	√												
			16	17	外国语学院							√						
			17	15	物理科学与技术学院	√												
			18	9	信息科学与工程学院						√							
			未进入前1%学科	Physics (物理学)	8	1	80	物理科学与技术学院					√					
						2	74	化学化工学院								√		
						3	59	物理科学与技术学院	√									
4	46	物理科学与技术学院				√												
5	33	物理科学与技术学院				√												
6	31	物理科学与技术学院				√												
7	28	物理科学与技术学院				√												
8	10	化学化工学院				√												
Biology & Biochemistry (生物和生物化学)	4	1		176	医学与生命科学学院-肿瘤医院								√					
		2		128	化学化工学院	√												
		3		111	化学化工学院	√												
		4		94	医学与生命科学学院							√						
Mathematics (数学)	3	1		55	数学科学学院	√												
		2		47	数学科学学院	√												
		3		47	数学科学学院						√							
(农业科学)	2	1	68	非济南大学文章														
		2	28	资源与环境学院	√													
Computer Science (计算机科学)	1	1	6	信息科学与工程学院	√													

## 8.2 济南大学前 1% 学科学科现状分析

### 8.2.1 化学学科现状分析

化学学科 2018 年 3 月国内高校 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、复旦大学、南开大学和华东理工大学。在表-9 中，排名第 1 位的中国科学院大学至排名第 124 位的南京工程学院，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 总被引频次在国内高校排名第 54 位，省内高校第 4 位。

表-9 化学学科国内高校排名

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	19614	1.36	336160	85.01	1973
2	Zhejiang University	13183	1.18	225501	86.98	2163
3	Tsinghua University	10851	1.49	218519	86.64	1916
4	Nanjing University	9922	1.39	189370	88.43	1703
5	Peking University	9003	1.47	187477	88.35	1853
6	University of Science & Technology of China	9078	1.59	185251	86.35	1799
7	Jilin University	12138	1.05	166253	83.85	1721
8	Fudan University	7653	1.44	165763	88.63	1476
9	Nankai University	8052	1.47	163961	88.52	981
10	East China University of Science & Technology	8915	1.24	146994	87.04	1711
11	Sichuan University	10019	0.95	118027	83.3	1112
12	Dalian University of Technology	6471	1.31	117454	86.22	1429
13	Xiamen University	6051	1.42	114256	86.66	1386
14	South China University of Technology	6978	1.34	106056	84.62	1224
15	Wuhan University	5387	1.46	105888	88.06	784
16	Sun Yat Sen University	5417	1.49	104618	88.26	886
17	Shandong University	7851	1.02	103126	84.32	1211
18	Lanzhou University	5457	1.36	96093	88.71	504

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
19	Shanghai Jiao Tong University	6304	1.14	96068	85.82	1313
20	Tianjin University	7668	1.04	94595	81.34	1174
21	Suzhou University	5856	1.4	93479	86.94	1186
22	Beijing University of Chemical Technology	6714	1.02	86248	85.09	1010
23	Hunan University	4415	1.57	80625	87.66	631
24	Fuzhou University	3623	1.59	70782	84.27	426
25	Northeast Normal University - China	3850	1.17	66894	87.14	304
26	East China Normal University	3590	1.37	62778	88.5	651
27	Harbin Institute of Technology	5028	1.08	61669	81.72	1052
28	Huazhong University of Science & Technology	4086	1.32	59087	84.29	916
29	Wuhan University of Technology	2028	2.06	51128	82.54	656
30	Beijing Institute of Technology	4294	0.97	51036	81.32	708
31	Southeast University - China	4294	1.03	50110	78.88	601
32	Central China Normal University	2249	1.43	46546	85.82	305
33	Nanjing Tech University	4341	0.97	46348	79.18	689
34	Xi'an Jiaotong University	3779	1.09	46188	80.44	869
35	Tongji University	3102	1.16	42701	84.59	548
36	Shanghai University	3064	1.19	41651	81.85	539
37	Central South University	4070	0.99	41474	83.22	634
38	Zhengzhou University	3842	0.9	40120	81.21	409
39	Southwest University - China	2940	1.14	37864	85	276
40	Donghua University	2653	1.1	37753	84.13	575
41	University of Science & Technology Beijing	2757	1.14	34476	82.05	537
42	Beijing Normal University	2744	0.99	34237	84.88	577
43	Northwest University Xi'an	3002	0.92	34124	84.58	379
44	Nanjing University of Science & Technology	3029	0.98	33455	80.79	362
45	China University of Petroleum	3402	0.91	31968	77.28	605
46	Qingdao University of Science & Technology	2751	0.88	31715	81.13	196
47	Zhejiang University of Technology	3401	0.81	31216	79.36	405
48	Jiangsu University	2786	1.23	30295	81.37	371
49	Beihang University	2127	1.22	28793	80.16	378
50	Jiangnan University	2997	0.87	28133	80.65	521

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
51	China Pharmaceutical University	2830	0.8	25746	83.89	326
52	Chongqing University	2658	1.06	25246	76.15	479
53	Anhui Normal University	1373	1.29	24624	88.06	93
54	University of Jinan	2122	1.21	24568	82.05	194
55	South China Normal University	2183	0.88	24303	84.38	458
56	Shaanxi Normal University	2356	0.95	22918	81.83	275
57	Xiangtan University	1911	1.02	22576	83.62	230
58	Harbin Engineering University	1114	1.38	21711	82.59	172
59	Yangzhou University	1795	1.05	21223	81.89	250
60	University Town of Shenzhen	1470	1.42	21158	84.69	250
61	Henan Normal University	1828	0.91	20824	83.04	201
62	China Agricultural University	2244	0.67	20498	77.45	339
63	Zhejiang Normal University	1544	1.11	20452	82.97	200
64	Nanjing Normal University	1260	1.3	19844	84.92	157
65	Nanjing University of Posts & Telecommunications	981	1.58	19811	81.96	149
66	Henan University	1951	0.81	19404	82.73	178
67	Nanchang University	1872	0.92	19189	81.89	284
68	Shanghai Normal University	918	1.38	17982	85.84	126
69	Wenzhou University	1208	1.08	17848	83.94	158
70	Northeastern University - China	1683	0.84	17499	78.85	293
71	Hefei University of Technology	1594	1	17381	79.55	240
72	Jiangxi Normal University	1321	1.17	17121	82.51	114
73	Northwestern Polytechnical University	1807	0.98	17096	80.13	328
74	Zhejiang Sci-Tech University	1303	1.18	17030	83.04	292
75	China University of Geosciences	1621	1.07	17012	78.53	379
76	Jinan University	1755	0.87	16979	81.65	210
77	Hunan Normal University	1134	1.12	16977	85.71	123
78	Shanxi University	1629	1.01	16906	80.05	232
79	Heilongjiang University	1435	1.08	16852	79.09	184
80	Beijing University of Technology	1379	1.06	16808	80.49	226
81	Ocean University of China	1749	0.82	16396	82.05	228
82	Nanjing University of Aeronautics & Astronautics	1075	1.22	16126	82.42	213
83	Northwest Normal University - China	1663	0.86	15042	81.9	85
84	Hangzhou Normal University	1151	0.99	14497	84.1	167

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
85	Changzhou University	1568	0.99	14362	77.49	177
86	Hubei University	1132	1.06	14081	83.66	240
87	Anhui University	1357	0.97	14029	78.04	141
88	Shandong Normal University	1246	1.01	13934	79.78	115
89	Guangxi Normal University	1229	0.84	13474	81.53	116
90	Jiangsu Normal University	1259	0.94	13119	78.55	135
91	Hebei University	1637	0.61	12726	77.15	81
92	Shenyang Pharmaceutical University	1711	0.6	12662	82.52	230
93	Liaocheng University	1604	0.58	12459	79.24	80
94	Tianjin Normal University	954	0.94	12306	80.71	46
95	Qingdao University	1058	1.11	12241	80.91	269
96	Huaqiao University	823	1.18	12161	82.99	74
97	Huazhong Agricultural University	953	0.98	11625	82.06	130
98	South Central University for Nationalities	849	1.17	11540	81.63	114
99	Renmin University of China	733	1.35	11398	85.95	131
100	Taiyuan University of Technology	1670	0.78	11153	76.17	248
101	Yunnan University	1071	0.8	10919	79.65	94
102	Tianjin Polytechnic University	1358	0.76	10717	76.95	143
103	Capital Normal University	1155	0.91	10584	77.23	90
104	University of Electronic Science & Technology of China	1222	0.9	9680	75.78	287
105	Liaoning Normal University	1143	0.56	9634	80.75	62
106	China University of Mining & Technology	1450	0.73	9556	73.79	286
107	Ningbo University	1279	0.79	9255	77.56	148
108	Second Military Medical University	989	0.66	9194	84.43	111
109	Northeast Forestry University - China	918	0.84	9186	79.85	154
110	Fujian Normal University	1020	0.88	8999	77.65	101
111	Hebei Normal University	855	0.77	8970	81.05	84
112	Guizhou University	1140	0.76	8969	75.7	226
113	Luoyang Normal University	1153	0.54	8773	63.57	56
114	Qufu Normal University	971	1.26	8619	77.96	102
115	Liaoning University	949	0.71	8487	81.98	97
116	Wenzhou Medical University	571	1.11	8463	79.51	94
117	Qilu University of Technology	1181	0.72	8432	74.85	160



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
118	Hebei University of Technology	1092	0.7	8394	77.56	146
119	Huaibei Normal University	524	1.4	8352	81.49	22
120	Xinjiang University	1018	0.69	8342	77.31	100
121	South China Agricultural University	890	0.85	7917	78.54	131
122	Beijing Forestry University	814	1	7809	78.62	144
123	Tianjin University Science & Technology	1050	0.7	7792	77.62	174
124	Tianjin University of Technology	785	1.02	7680	78.6	99
125	Anhui University of Technology	694	0.89	7614	81.84	64

我校化学学科共有 13 篇高被引论文，如图-8 所示：

1	<b>SYNTHESIS OF FUNCTIONALIZED 3D HIERARCHICAL POROUS CARBON FOR HIGH-PERFORMANCE SUPERCAPACITORS</b> By: QIE, L.; CHEN, WM; XU, HH; et al Source: ENERGY ENVIRON SCI 6 (8): 2497-2504 AUG 2013 Research Fields: CHEMISTRY	Times Cited: 359
2	<b>HIGH-PERFORMANCE BI-FUNCTIONAL ELECTROCATALYSTS OF 3D CRUMPLED GRAPHENE-COBALT OXIDE NANOHYBRIDS FOR OXYGEN REDUCTION AND EVOLUTION REACTIONS</b> By: MAO, S.; WEN, ZH; HUANG, TZ; et al Source: ENERGY ENVIRON SCI 7 (2): 609-616 FEB 2014 Research Fields: CHEMISTRY	Times Cited: 261
3	<b>GENERALIZED FABRICATION OF NANOPOROUS METALS (AU, PD, PT, AG, AND CU) THROUGH CHEMICAL DEALLOYING</b> By: ZHANG, ZH; WANG, Y; QI, Z; et al Source: J PHYS CHEM C 113 (29): 12629-12636 JUL 23 2009 Research Fields: CHEMISTRY	Times Cited: 203
4	<b>PAPER-BASED CHEMILUMINESCENCE ELISA: LAB-ON-PAPER BASED ON CHITOSAN MODIFIED PAPER DEVICE AND WAX-SCREEN-PRINTING</b> By: WANG, SM; GE, L; SONG, XR; et al Source: BIOSENS BIOELECTRON 31 (1): 212-218 JAN 15 2012 Research Fields: CHEMISTRY	Times Cited: 153 Research Front
5	<b>DEVELOPMENT OF FLUORESCENT PROBES BASED ON PROTECTION-DEPROTECTION OF THE KEY FUNCTIONAL GROUPS FOR BIOLOGICAL IMAGING</b> By: TANG, YH; LEE, DY; WANG, JL; et al Source: CHEM SOC REV 44 (15): 5003-5015 2015 Research Fields: CHEMISTRY	Times Cited: 103
6	<b>DEVELOPMENT OF A TWO-PHOTON FLUORESCENT PROBE FOR IMAGING OF ENDOGENOUS FORMALDEHYDE IN LIVING TISSUES</b> By: TANG, YH; KONG, XQ; XU, A; et al Source: ANGEW CHEM INT ED 55 (10): 3356-3359 MAR 1 2016 Research Fields: CHEMISTRY	Times Cited: 57
7	<b>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</b> By: DONG, BL; SONG, XZ; WANG, C; et al Source: ANAL CHEM 88 (7): 4085-4091 APR 5 2016 Research Fields: CHEMISTRY	Times Cited: 40
8	<b>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</b> By: CHEN, H; TANG, YH; REN, MG; et al Source: CHEM SCI 7 (3): 1896-1903 2016 Research Fields: CHEMISTRY	Times Cited: 39 Research Front




9	<b>FLUORESCENT CHEMOSENSORS MANIPULATED BY DUAL/TRIPLE INTERPLAYING SENSING MECHANISMS</b> By: HE, LW; DONG, BL; LIU, Y; et.al Source: CHEM SOC REV 45 (23): 6449-6461 2016 Research Fields: CHEMISTRY	Times Cited: 38  Research Front
10	<b>A HIGHLY SENSITIVE AND STABLE ELECTROCHEMICAL SENSOR FOR SIMULTANEOUS DETECTION TOWARDS ASCORBIC ACID, DOPAMINE, AND URIC ACID BASED ON THE HIERARCHICAL NANOPOROUS PTTI ALLOY</b> By: ZHAO, DY; YU, GL; TIAN, KL; et.al Source: BIOSENS BIOELECTRON 82: 119-126 AUG 15 2016 Research Fields: CHEMISTRY	Times Cited: 34
11	<b>A UNIQUE INTEGRATION STRATEGY FOR THE RATIONAL DESIGN OF OPTICALLY TUNABLE NEAR-INFRARED FLUOROPHORES</b> By: CHEN, H; DONG, BL; TANG, YH; et.al Source: ACCOUNT CHEM RES 50 (6): 1410-1422 JUN 2017 Research Fields: CHEMISTRY	Times Cited: 14  Research Front
12	<b>HIGHLY ACTIVE TiO2/G-C3N4/G PHOTOCATALYST WITH EXTENDED SPECTRAL RESPONSE TOWARDS SELECTIVE REDUCTION OF NITROBENZENE</b> By: ZHANG, LQ; HE, X; XU, XW; et.al Source: APPL CATAL B-ENVIRON 203: 1-8 APR 2017 Research Fields: CHEMISTRY	Times Cited: 11
13	<b>A NOVEL ECL BIOSENSOR FOR THE DETECTION OF CONCAVALIN A BASED ON GLUCOSE FUNCTIONALIZED NiCO2S4 NANOPARTICLES-GROWN ON CARBOXYLIC GRAPHENE AS QUENCHING PROBE</b> By: LI, XJ; WANG, YG; SHI, L; et.al Source: BIOSENS BIOELECTRON 96: 113-120 OCT 15 2017 Research Fields: CHEMISTRY	Times Cited: 11  ESI Hot

图-8 济南大学化学学科高被引论文

### 详细记录：

#### 1.被引频次 359 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 Engn, 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

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文献类型:Article 语种:English  
入藏号: WOS:000321983800023  
ISSN: 1754-5692 eISSN: 1754-5706

2.被引频次 261 (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

作者信息

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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 203 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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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 153 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, Shengguang)[ 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

通讯作者地址: Yu, JH (通讯作者)

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[ 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 103 (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, Weiyong)[ 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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[ 2 ] Ewha Womans Univ, Dept Chem & Nano Sci, Seoul 120750, South Korea

[ 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

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入藏号: WOS:000358219300002

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

6.被引频次 57 (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, Weiyong)[ 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

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电子邮件地址:weiyonglin2013@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 40 (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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电子邮件地址:weiyonglin2013@163.com

文献类型:Article 语种:English

8.被引频次 39 (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

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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

作者信息

通讯作者地址: Lin, WY (通讯作者)

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

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Hunan Univ, Coll Chem & Chem Engr, State Key Lab Chemo Biosensing & Chemometr, Changsha 410082, Hunan, Peoples R China.

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电子邮件地址:Weiyonglin2013@163.com

文献类型:Article 语种:English

入藏号: WOS:000371021900031

ISSN: 2041-6520 eISSN: 2041-6539

### 9.被引频次 38 (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

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

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文献类型:Review 语种:English

入藏号: WOS:000389318100003

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

### 10.被引频次 34 (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)

A highly sensitive and stable electrochemical sensor for simultaneous detection towards

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ascorbic acid, dopamine, and uric acid based on the hierarchical nanoporous PtTi alloy  
作者:Zhao, DY (Zhao, Dianyun)[ 1 ] ; Yu, GL (Yu, Guolong)[ 2 ] ; Tian, KL (Tian, Kunlong)[ 1 ] ;  
Xu, CX (Xu, Caixia)[ 1 ]

BIOSENSORS & BIOELECTRONICS

卷: 82 页: 119-126

DOI: 10.1016/j.bios.2016.03.074

出版年: AUG 15 2016

作者信息

通讯作者地址: Xu, CX (通讯作者)

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文献信息

文献类型:Article 语种:English

入藏号: WOS:000376545400019 ISSN: 0956-5663 eISSN: 1873-4235

11.被引频次 14 (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, Weiyong)[ 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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Univ Jinan, Sch Chem & Chem Engr, Sch Mat Sci & Engr, Inst Fluorescent Probes Biol  
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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 11 (济南大学是第 3 作者单位, 材料科学与工程学院)

Highly active TiO<sub>2</sub>/g-C<sub>3</sub>N<sub>4</sub>/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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文献类型:Article 语种:English

入藏号: WOS:000390965000001

ISSN: 0926-3373 eISSN: 1873-3883

13.被引频次 11 (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 NiCo<sub>2</sub>S<sub>4</sub> 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

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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

## 8.2.2 临床医学学科现状分析

临床医学 2018 年 3 月国内高校 ESI 排名如表-10 所示。可以看出排在前 10 位的高校分别是上海交通大学、中山大学、复旦大学、北京大学、浙江大学、首都医科大学、四川大学、南京医科大学、华中科技大学和第二军医大学。在表-10 中,排名第 1 位的上海交通大学至排名第 87 位的西安医学院,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 总被引频次在国内高校排名第 42 位,省内高校第 3 位。

表-10 ESI 临床医学国内高校排名

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	16473	1.16	195698	79.59	3799
2	Sun Yat Sen University	12528	1.15	144536	80.46	2789
3	Fudan University	12306	1.2	140626	79.66	2942
4	Peking University	10731	1.14	127431	79.96	3203
5	Zhejiang University	9411	0.92	87897	76.63	1734
6	Capital Medical University	10260	0.88	85195	73.84	2525
7	Sichuan University	9200	0.86	76518	76.68	1677
8	Nanjing Medical University	7481	1.05	72049	77.92	1331
9	Huazhong University of Science & Technology	7785	0.88	67863	78.6	1827
10	Second Military Medical University	5479	1.1	67342	82.57	964
11	Shandong University	7623	0.86	62768	75.69	1422
12	Central South University	6270	1.13	60476	76.35	1355
13	Fourth Military Medical University	4823	1.08	57021	84.28	1039
14	Tianjin Medical University	4757	1.06	46842	76.48	1135
15	China Medical University	5447	0.87	46536	78.78	1019
16	Nanjing University	4013	1.26	45398	79.24	783

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	Southern Medical University - China	5115	1.01	43528	74.29	926
18	Harbin Medical University	4139	1.06	42199	79.97	928
19	Third Military Medical University	3996	1.03	40258	80.98	745
20	Wuhan University	4537	1.05	39741	77.74	889
21	Tongji University	4228	1.09	39087	77.03	952
22	Chongqing Medical University	3625	1.11	34657	77.35	711
23	Suzhou University	3970	0.97	34398	75.16	768
24	Xi'an Jiaotong University	4073	0.9	32584	75.42	875
25	Wenzhou Medical University	3672	0.86	26296	71.24	929
26	Zhengzhou University	4011	0.87	26296	71.33	782
27	Jilin University	3826	0.85	25920	69.84	925
28	Anhui Medical University	2796	0.95	22790	75.64	536
29	Guangzhou Medical University	2766	1.09	21934	74.8	517
30	Guangxi Medical University	2162	0.93	18463	75.21	315
31	Southeast University - China	1845	1.13	18103	79.02	416
32	Fujian Medical University	2369	0.75	15195	72.1	348
33	Hebei Medical University	2113	0.77	13961	71.18	296
34	Tsinghua University	1379	1.03	13818	76.5	418
35	Xiamen University	1605	0.99	13765	75.89	419
36	Dalian Medical University	1704	0.92	13648	73	351
37	Jinan University	1668	0.83	12781	72.48	307
38	Qingdao University	2172	0.7	12746	67.4	276
39	Shantou University	1048	1.11	11930	79.1	225
40	Nantong University	1638	0.84	11109	75.76	190
41	Nanjing University of Chinese Medicine	1107	1.31	10948	69.47	238
42	University of Jinan	1313	0.86	10854	77.68	152
43	Nanchang University	1500	0.88	9952	65.6	217
44	Lanzhou University	1023	0.9	9363	74.78	218
45	Jiangsu University	1077	0.94	8606	76.32	108
46	Shanghai University of Traditional Chinese Medicine	1224	0.85	7991	71.98	300
47	Nankai University	688	1.1	7923	83.58	200
48	University of Chinese Academy of Sciences, CAS	757	1.57	7713	77.15	229
49	Guangdong Medical University	906	0.97	7294	78.04	159
50	Kunming Medical University	1091	0.84	6792	69.29	257

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
51	Xinjiang Medical University	1117	0.86	6387	65.89	170
52	University of Science & Technology of China	399	1.33	6238	80.7	172
53	Shanxi Medical University	811	0.86	6112	73.61	209
54	Xuzhou Medical College	1040	0.84	5994	71.44	130
55	China Pharmaceutical University	529	1.13	5495	77.69	145
56	University of South China	559	1.11	5221	79.25	113
57	Beijing University of Chinese Medicine	1022	0.61	4989	69.67	278
58	Ningbo University	521	1.19	4931	72.36	107
59	Guangzhou University of Chinese Medicine	1003	0.64	4816	67.7	217
60	East China Normal University	351	1.17	4607	81.48	164
61	Ningxia Medical University	552	0.94	4241	73.91	107
62	Yangzhou University	571	0.89	3949	72.85	97
63	Southwest Medical University	552	0.85	3826	67.93	109
64	Shenzhen University	571	1.09	3741	69.18	155
65	Yanbian University	390	0.9	3569	78.72	257
66	Hubei University of Medicine	572	0.87	3286	68.53	102
67	Hainan Medical University	358	0.95	3228	71.23	55
68	Zhejiang Chinese Medical University	635	0.72	3085	64.88	114
69	Xinxiang Medical University	539	0.81	2994	72.73	63
70	Fujian University of Traditional Chinese Medicine	468	0.69	2938	75.64	69
71	Inner Mongolia Medical University	468	0.97	2896	69.02	83
72	University Town of Shenzhen	218	1.4	2849	84.86	84
73	Beijing Normal University	286	0.79	2805	75.87	112
74	Hunan Normal University	337	0.8	2757	78.93	126
75	Binzhou Medical University	618	0.71	2748	64.24	76
76	Bengbu Medical College	432	0.87	2701	67.82	54
77	Harbin Institute of Technology	288	1.05	2697	80.56	121
78	South China University of Technology	315	1.08	2687	68.57	86
79	Shenyang Pharmaceutical University	203	1.38	2659	84.73	50
80	North China University of Science & Technology	380	0.73	2529	70.26	71
81	Hangzhou Normal University	332	0.86	2496	71.39	112
82	Guangdong Pharmaceutical University	307	1.01	2481	74.92	51

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
83	Jinzhou Medical University	461	0.65	2427	69.63	41
84	South China Normal University	185	0.99	2322	84.32	45
85	Chongqing University	260	0.92	2296	79.62	128
86	North Sichuan Medical University	411	0.71	2269	72.99	57
87	Chinese University of Hong Kong, Shenzhen	243	1.39	2211	77.78	63
88	Taishan Medical University	456	0.64	2203	67.54	137
89	China Agricultural University	200	1	2191	81.5	89

我校临床医学共有 8 篇高被引论文，如图-9 所示：

1	<b>GENOMEWIDE ASSOCIATION STUDY OF LEPROSY</b> 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	Times Cited: 337
2	<b>PREVALENCE, AWARENESS, TREATMENT, AND CONTROL OF HYPERTENSION IN RURAL AND URBAN COMMUNITIES IN HIGH-, MIDDLE-, AND LOW-INCOME COUNTRIES</b> 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	Times Cited: 260
3	<b>CARDIOVASCULAR RISK AND EVENTS IN 17 LOW-, MIDDLE-, AND HIGH-INCOME COUNTRIES</b> 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	Times Cited: 143
4	<b>PREDICTIVE BIOMARKERS IN PD-1/PD-L1 CHECKPOINT BLOCKADE IMMUNOTHERAPY</b> By: MENG, XJ; HUANG, ZQ; TENG, FF; et al Source: CANCER TREATMENT REV 41 (10): 868-876 DEC 2015 Research Fields: CLINICAL MEDICINE	Times Cited: 67
5	<b>COMBINED CANCER PHOTOTHERMAL-CHEMOTHERAPY BASED ON DOXORUBICIN/GOLD NANOROD-LOADED POLYMERSOMES</b> By: LIAO, JF; LI, WT; PENG, JR; et al Source: THERANOSTICS 5 (4): 345-356 2015 Research Fields: CLINICAL MEDICINE	Times Cited: 47
6	<b>A FUNCTIONAL LNCRNA HOTAIR GENETIC VARIANT CONTRIBUTES TO GASTRIC CANCER SUSCEPTIBILITY</b> By: PAN, WT; LIU, LS; WEI, JY; et al Source: MOL CARCINOGEN 55 (1): 90-96 JAN 2016 Research Fields: CLINICAL MEDICINE	Times Cited: 42 Research Front
7	<b>PD-L1 EXPRESSION IN HUMAN CANCERS AND ITS ASSOCIATION WITH CLINICAL OUTCOMES</b> By: WANG, X; TENG, FF; KONG, L; et al Source: ONCOTARGETS THER 9: 5023-5039 2016 Research Fields: CLINICAL MEDICINE	Times Cited: 39
8	<b>LONG NONCODING RNA NEAT1 IS AN UNFAVORABLE PROGNOSTIC FACTOR AND REGULATES MIGRATION AND INVASION IN GASTRIC CANCER</b> By: FU, JW; KONG, Y; SUN, X; Source: J CANCER RES CLIN ONCOL 142 (7): 1571-1579 JUL 2016 Research Fields: CLINICAL MEDICINE	Times Cited: 25 Research Front

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 337（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 260（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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[ 16 ] Univ Gothenburg, Sahlgrenska Acad, Gothenburg, Sweden  
[ 17 ] Wroclaw Med Univ, Wroclaw, Poland  
[ 18 ] Turkiye Yuksek Ihtisas Training & Res Hosp, Ankara, Turkey  
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[ 20 ] Independent Univ, Dhaka, Bangladesh  
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[ 23 ] St Johns Res Inst, Bangalore, Karnataka, India  
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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 143 (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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- [ 14 ] Madras Diabet Res Fdn, Madras, Tamil Nadu, India
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文献类型:Article 语种:English

入藏号: WOS:000340819800008

PubMed ID: 25162888 ISSN: 0028-4793 eISSN: 1533-4406

#### 4.被引频次 67 (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

### 5. 被引频次 47 (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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文献类型:Article 语种:English

入藏号: WOS:000353063500002

PubMed ID: 25699095 ISSN: 1838-7640

### 6. 被引频次 42 (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

#### 7.被引频次 39 (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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文献类型:Review 语种:English

入藏号: WOS:000382197100001

PubMed ID: 27574444 ISSN: 1178-6930

#### 8.被引频次 25 (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 3 月国内高校 ESI 排名如表-11 所示。可以看出排在前 10 位的高校分别是中国科学院大学、清华大学、上海交通大学、浙江大学、哈尔滨工业大学、复旦大学、中国科学技术大学、北京大学、吉林大学和华南理工大学。在表-11 中，排名第 1 位的中国科学院大学至排名第 97 位的南京工程学院，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 总被引频次在国内高校排名第 67 位，省内高校第 3 位。

表-11 ESI 材料科学国内高校排名

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	8370	1.67	154211	83.67	1010
2	Tsinghua University	8687	1.46	147583	81.86	1877
3	Shanghai Jiao Tong University	6838	1.29	101883	84.83	1676
4	Zhejiang University	5827	1.42	95017	84.47	1343
5	Harbin Institute of Technology	9010	0.91	92559	80.9	1703
6	Fudan University	3349	2.32	91762	89.1	855
7	University of Science & Technology	4145	1.76	75865	85.02	803

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
	of China					
8	Peking University	3708	1.9	74964	86.08	901
9	Jilin University	4969	1.31	71622	84.87	836
10	South China University of Technology	5222	1.34	66453	81.39	1044
11	Central South University	7869	0.81	66212	79.54	1210
12	University of Science & Technology Beijing	7952	0.74	62337	75.41	1476
13	Huazhong University of Science & Technology	4329	1.37	57060	81.59	842
14	Tianjin University	4737	1.21	57016	81.74	896
15	Suzhou University	3099	2.06	56818	84.41	860
16	Xi'an Jiaotong University	5140	1.14	54776	80.29	1255
17	Sichuan University	4568	1.13	53207	81.24	694
18	Dalian University of Technology	4563	1.01	51243	81.61	1005
19	Nanjing University	3118	1.58	50594	85.44	594
20	Northwestern Polytechnical University	6267	0.83	48518	78.47	856
21	Shandong University	3872	1.15	48018	83.19	688
22	Wuhan University	2616	1.6	43909	82.99	531
23	Beihang University	4106	1.09	42519	79.15	755
24	Wuhan University of Technology	3673	1.21	40910	75.58	982
25	Nankai University	1652	2.21	40005	87.11	301
26	Beijing University of Chemical Technology	2327	1.58	38662	85.99	444
27	Sun Yat Sen University	2044	1.88	38642	85.71	430
28	Southeast University - China	3058	1.12	34782	78.78	681
29	East China University of Science & Technology	2154	1.35	34228	85.1	489
30	Tongji University	2969	1.15	34116	81.14	732
31	Chongqing University	3907	0.95	33331	75.99	751
32	Xiamen University	1988	1.59	33175	83.25	605
33	Shanghai University	3120	0.96	31425	78.49	725
34	Beijing Institute of Technology	2393	1.4	31302	79.02	507
35	Donghua University	2720	1.12	30692	79.08	699
36	Lanzhou University	1839	1.35	29727	87.06	258
37	Northeastern University - China	4674	0.59	29608	73.36	1065
38	Nanjing University of Aeronautics &	2405	1.18	28838	80.54	405

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					
39	Nanjing Tech University	2478	1.2	26911	78.61	601
40	Hunan University	2366	1.18	26806	80.09	438
41	Harbin Engineering University	1366	1.54	24866	80.89	149
42	Nanjing University of Science & Technology	1847	1.46	21475	79.43	443
43	Fuzhou University	1093	1.72	20766	80.42	178
44	Jiangsu University	1926	1.02	18185	76.27	253
45	University of Electronic Science & Technology of China	2082	1.09	16050	78.63	550
46	China University of Petroleum	1440	1.16	15602	76.46	308
47	East China Normal University	988	1.47	15434	84.41	203
48	Beijing University of Technology	1834	0.76	15134	74.65	344
49	Hefei University of Technology	1326	1.12	14890	80.17	230
50	University Town of Shenzhen	1106	1.48	13396	80.65	261
51	Southwest Jiaotong University	1435	0.91	13169	77.7	369
52	Xiangtan University	1224	1.03	13068	82.84	223
53	Zhengzhou University	1320	1.18	12871	78.26	254
54	Northeast Normal University - China	677	1.77	12860	89.66	68
55	Central China Normal University	389	2.23	12697	88.95	70
56	Yanshan University	1823	0.78	12615	77.56	292
57	China University of Geosciences	1424	1	12037	77.11	264
58	Taiyuan University of Technology	1907	0.82	11915	72.89	297
59	Nanjing University of Posts & Telecommunications	546	2.22	11424	79.49	125
60	Shaanxi Normal University	963	1.25	10697	83.39	127
61	Zhejiang Sci-Tech University	926	1.05	9686	77.97	196
62	Anhui University of Technology	813	1.07	9397	77	104
63	Beijing Jiaotong University	891	1	9252	77.55	200
64	Anhui University	819	1.2	9231	83.52	87
65	Zhejiang Normal University	553	1.58	8946	90.42	84
66	Beijing Normal University	586	1.54	8809	84.81	91
67	University of Jinan	1167	0.98	8800	77.29	156
68	Hubei University	796	1.18	8735	79.4	224
69	Jinan University	780	1.46	8636	81.41	122
70	Southwest University - China	804	1.27	8629	79.48	130
71	Zhejiang University of Technology	949	0.97	8539	73.97	185

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
72	Fourth Military Medical University	439	1.4	8468	86.56	94
73	Kunming University of Science & Technology	1543	0.61	8354	69.99	204
74	South China Normal University	646	1.25	8328	82.66	101
75	Qingdao University of Science & Technology	746	1.05	8252	81.64	106
76	National University of Defence Technology - China	1063	0.73	8200	74.32	109
77	Ocean University of China	616	1.16	8054	84.58	75
78	Shenzhen University	1199	1.02	7737	71.81	300
79	Changzhou University	886	0.96	7733	75.62	159
80	China University of Mining & Technology	1219	0.74	7720	71.37	229
81	Henan University	768	1.06	7639	85.68	88
82	Heilongjiang University	481	1.48	7516	84.2	46
83	Shanghai Normal University	451	1.44	7327	88.47	67
84	Wuhan University of Science & Technology	1178	0.69	7157	68.76	189
85	Hebei University of Technology	890	0.88	7008	75.06	133
86	Guangxi University	1035	0.72	6887	77.68	144
87	Jiangnan University	1099	0.69	6727	68.52	173
88	Shaanxi University of Science & Technology	1137	0.71	6727	74.41	71
89	Nanchang University	834	0.94	6681	76.98	98
90	Ningbo University	769	0.9	6437	78.15	127
91	Lanzhou University of Technology	861	0.76	6215	68.87	73
92	Tianjin Polytechnic University	960	0.76	6187	74.69	163
93	Huaqiao University	462	1.15	6176	77.49	66
94	Northwest University Xi'an	525	1.36	6147	82.29	100
95	Yangzhou University	591	1.27	6116	78.34	96
96	Nanjing Normal University	428	1.54	6007	85.05	43
97	Qingdao University	581	1.35	5507	73.84	176
98	Guangdong University of Technology	986	0.72	5479	69.78	170
99	Hohai University	848	0.78	5301	71.11	151
100	Nanchang Hangkong University	658	0.79	5274	74.62	78
101	Harbin Normal University	380	1.5	5261	86.58	27

我校材料科学共有 10 篇高被引论文，如图-10 所示：







1	<b>THREE-DIMENSIONAL PAPER-BASED ELECTROCHEMILUMINESCENCE IMMUNODEVICE FOR MULTIPLEXED MEASUREMENT OF BIOMARKERS AND POINT-OF-CARE TESTING</b> By: GE, L; YAN, JX; SONG, XR; et.al Source: BIOMATERIALS 33 (4): 1024-1031 FEB 2012 Research Fields: MATERIALS SCIENCE	Times Cited: 195  Research Front
2	<b>INSIGHT INTO THE ELECTRODE MECHANISM IN LITHIUM-SULFUR BATTERIES WITH ORDERED MICROPOROUS CARBON CONFINED SULFUR AS THE CATHODE</b> By: LI, Z; YUAN, LX; YI, ZQ; et.al Source: ADV ENERGY MATER 4 (7): - MAY 2014 Research Fields: MATERIALS SCIENCE	Times Cited: 125
3	<b>NANOSTRUCTURED MATERIALS FOR ROOM-TEMPERATURE GAS SENSORS</b> By: ZHANG, J; LIU, XH; NERI, G; et.al Source: ADVAN MATER 28 (5): 795-831 FEB 3 2016 Research Fields: MATERIALS SCIENCE	Times Cited: 122  ESI Hot
4	<b>FORMATION OF FE<sub>3</sub>O<sub>4</sub>@MNO<sub>2</sub> BALL-IN-BALL HOLLOW SPHERES AS A HIGH PERFORMANCE CATALYST WITH ENHANCED CATALYTIC PERFORMANCES</b> By: ZHANG, SW; FAN, QH; GAO, HH; et.al Source: J MATER CHEM A 4 (4): 1414-1422 2016 Research Fields: MATERIALS SCIENCE	Times Cited: 47
5	<b>HYDROTHERMAL SYNTHESIS OF N-DOPED TiO<sub>2</sub> NANOWIRES AND N-DOPED GRAPHENE HETEROSTRUCTURES WITH ENHANCED PHOTOCATALYTIC PROPERTIES</b> By: LIU, C; ZHANG, LQ; LIU, R; et.al Source: J ALLOYS COMPOUNDS 656: 24-32 JAN 25 2016 Research Fields: MATERIALS SCIENCE	Times Cited: 34  Research Front
6	<b>IN-SITU SYNTHESIZED POLYPYRROLE-CELLULOSE CONDUCTIVE NETWORKS FOR POTENTIAL TUNABLE FOLDABLE POWER PAPER</b> By: ZHANG, Y; LI, L; ZHANG, LN; et.al Source: NANO ENERGY 31: 174-182 JAN 2017 Research Fields: MATERIALS SCIENCE	Times Cited: 21  Research Front
7	<b>FROM UNSTABLE CS<sub>2</sub>NI<sub>3</sub> TO AIR-STABLE CS<sub>2</sub>NI<sub>6</sub>: A LEAD-FREE PEROVSKITE SOLAR CELL LIGHT ABSORBER WITH BANDGAP OF 1.48 EV AND HIGH ABSORPTION COEFFICIENT</b> 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: 19  Research Front
8	<b>FLEXIBLE AND HIGH ENERGY DENSITY ASYMMETRICAL SUPERCAPACITORS BASED ON CORE/SHELL CONDUCTING POLYMER NANOWIRES/MANGANESE DIOXIDE NANOFKAKES</b> By: HE, WD; WANG, CG; ZHUGE, FW; et.al Source: NANO ENERGY 35: 242-250 MAY 2017 Research Fields: MATERIALS SCIENCE	Times Cited: 16
9	<b>RECENT ADVANCEMENTS IN FLEXIBLE AND STRETCHABLE ELECTRODES FOR ELECTROMECHANICAL SENSORS: STRATEGIES, MATERIALS, AND FEATURES</b> 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: 11
10	<b>COBALT-BORATE NANOWIRE ARRAY AS A HIGH-PERFORMANCE CATALYST FOR OXYGEN EVOLUTION REACTION IN NEAR-NEUTRAL MEDIA</b> 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: 10  Research Front

图-10 济南大学材料科学高被引论文

## 详细记录：

### 1. 被引频次 195 (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 125 (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

### 3.被引频次 122 (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

### 4.被引频次 47 (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 Fe<sub>3</sub>O<sub>4</sub>@MnO<sub>2</sub> 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 34 (济南大学是第 3 作者单位, 材料科学与工程学院)

Hydrothermal synthesis of N-doped TiO<sub>2</sub> nanowires and N-doped graphene heterostructures with enhanced photocatalytic properties

作者:Liu, C (Liu, Chao)[ 1 ]; Zhang, LQ (Zhang, Liqiang)[ 1 ]; Liu, R (Liu, Rui)[ 2 ]; Gao, ZF (Gao, Zhenfei)[ 1 ]; Yang, XP (Yang, Xiaopeng)[ 3 ]; Tu, ZQ (Tu, Zhiqiang)[ 1 ]; Yang, F (Yang, Fan)[ 1 ]; Ye, ZZ (Ye, Zhizhen)[ 4 ]; Cui, LS (Cui, Lishan)[ 1 ]; Xu, CM (Xu, Chunming)[ 1 ]

JOURNAL OF ALLOYS AND COMPOUNDS 卷: 656 页: 24-32

DOI: 10.1016/j.jallcom.2015.09.211 出版年: JAN 25 2016

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文献类型:Article 语种:English

入藏号: WOS:000365051000004

ISSN: 0925-8388 eISSN: 1873-4669

6、被引频次 21 (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

7.被引频次 19 (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 CsSnI<sub>3</sub> to air-stable Cs<sub>2</sub>SnI<sub>6</sub>: 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 16 (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

### 9.被引频次 11 (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

### 10.被引频次 10 (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

#### 8.2.4 工程学学科现状分析

工程学 2018 年 3 月国内高校 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、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、天津大学和北京航空航天大学。在表-12 中,排名第 1 位的清华大学至排名第 121 位的南京工程学院,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 总被引频次在国内高校排名第 100 位,省内高校第 6 位。

表-12 ESI 工程学国内高校排名

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	14701	1.3	148136	78.78	4291
2	Harbin Institute of Technology	9902	1.43	105126	75.26	2582
3	Shanghai Jiao Tong University	11580	1.07	104553	77.44	2826
4	Zhejiang University	9866	1.16	93211	77.58	2828
5	Xi'an Jiaotong University	9000	1.24	78061	74.83	1815
6	Huazhong University of Science &	7338	1.44	74235	77.88	1701

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
	Technology					
7	Southeast University - China	7321	1.27	69268	72.65	2076
8	Dalian University of Technology	6556	1.08	52950	76.25	1603
9	Tianjin University	6103	1.2	49701	73.47	1597
10	Beihang University	7646	1	48607	71.25	1603
11	University of Science & Technology of China	4239	1.44	45433	76.48	1129
12	Tongji University	5836	1.11	44075	73.24	1973
13	South China University of Technology	4213	1.49	43907	76.6	977
14	Peking University	3571	1.43	43006	80.03	1102
15	University of Electronic Science & Technology of China	5948	1.01	41441	70.49	1660
16	University of Chinese Academy of Sciences, CAS	4241	1.3	39340	73.07	632
17	Xidian University	4876	0.93	37064	71.47	831
18	Nanjing University of Aeronautics & Astronautics	4632	1.02	35803	69.78	965
19	Beijing Institute of Technology	4522	1.17	34803	70.48	1092
20	Chongqing University	4660	1.12	32969	71.05	1402
21	Northeastern University - China	3305	1.24	30083	71.44	748
22	Hunan University	3326	1.3	29820	75.44	1029
23	Shandong University	3354	1.23	29345	74.3	762
24	Nanjing University of Science & Technology	3438	1.12	27982	71.58	725
25	North China Electric Power University	3231	1.31	27073	73.57	915
26	Central South University	2694	1.53	25364	72.46	757
27	Beijing Jiaotong University	3568	1	23896	69.96	1214
28	Wuhan University	2871	1.26	23544	71.79	832
29	Northwestern Polytechnical University	4072	1.08	23037	67.39	1106
30	Nanjing University	1892	1.41	22970	79.02	546
31	Sun Yat Sen University	2148	1.32	20436	76.86	531
32	Shanghai University	2508	1.08	20315	72.65	612
33	China University of Petroleum	3449	1.14	20262	69.21	816
34	National University of Defence	3535	0.74	19273	67.16	653





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
	Technology - China					
35	East China University of Science & Technology	1922	1.31	17975	75.91	393
36	Fudan University	1823	1.06	17512	76.63	673
37	Sichuan University	2428	0.97	17033	71.29	541
38	University of Science & Technology Beijing	2037	1.43	16067	73.05	577
39	China University of Mining & Technology	2789	1.2	15959	66.33	649
40	Jiangnan University	1209	1.81	15397	76.51	352
41	Xiamen University	1663	1.27	14384	73.84	584
42	Jilin University	2403	0.8	14375	66.42	405
43	Southwest Jiaotong University	2373	1.08	14341	67.76	716
44	Hohai University	2537	0.82	14115	66.3	811
45	Beijing University of Technology	2082	0.93	13376	69.07	464
46	Donghua University	968	1.5	13233	77.48	315
47	Hefei University of Technology	1701	1.3	12699	70.61	626
48	Jiangsu University	1744	1.25	12465	69.84	301
49	University Town of Shenzhen	1592	1.15	12419	75.38	440
50	Wuhan University of Technology	1785	1.05	12280	64.99	591
51	China University of Geosciences	1536	1.39	11617	71.81	529
52	Beijing University of Posts & Telecommunications	2086	0.8	11445	65.29	549
53	Nankai University	1055	1.46	11076	77.73	232
54	Harbin Engineering University	2273	1.04	11022	62.69	610
55	Beijing University of Chemical Technology	968	1.6	10567	76.34	188
56	Beijing Normal University	1006	1.57	10416	81.81	365
57	Lanzhou University	962	1.26	10141	78.07	171
58	Zhejiang University of Technology	1218	1.19	9884	70.85	331
59	Guangdong University of Technology	1156	1.76	9443	70.85	358
60	Nanjing Tech University	988	1.2	8540	75.2	258
61	Yanshan University	1428	0.92	8135	69.89	252
62	Qingdao University	446	1.89	8070	69.73	125
63	Liaoning University of Technology	278	5.18	8043	77.34	20
64	Fuzhou University	785	1.32	8042	69.94	266
65	Hangzhou Dianzi University	999	1.05	7963	64.86	272

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	Dalian Maritime University	806	1.41	7755	67.99	168
67	Suzhou University	1045	1.27	7371	71.2	288
68	Zhengzhou University	811	1.05	6805	69.91	221
69	China Agricultural University	795	0.98	6757	76.98	230
70	Nanjing Normal University	651	1.45	6641	73.73	170
71	Shenzhen University	1076	1.32	6534	71.65	314
72	East China Normal University	738	1.06	6379	74.66	201
73	Qufu Normal University	445	1.78	6163	75.73	80
74	Bohai University	377	4.31	6057	72.41	119
75	Yangzhou University	469	1.61	5995	70.58	165
76	Taiyuan University of Technology	963	1.02	5931	67.5	244
77	PLA University of Science & Technology	1149	0.73	5833	59.53	111
78	University of Shanghai for Science & Technology	1010	1.03	5441	66.93	296
79	Ocean University of China	729	0.9	5409	70.92	182
80	Wuhan Naval University of Engineering	597	1.05	5343	78.73	17
81	Kunming University of Science & Technology	619	1.35	5149	70.6	161
82	Nanjing University of Posts & Telecommunications	1006	0.96	5051	61.63	224
83	Ningbo University	699	0.97	4604	69.38	160
84	Nanjing University of Information Science & Technology	696	1.41	4529	69.11	240
85	Jinan University	562	1.28	4506	70.46	146
86	Guangxi University	604	1.16	4405	71.69	156
87	Northwest A&F University - China	387	1.54	4299	77.52	125
88	Zhejiang Normal University	477	1.21	4269	80.08	96
89	South China Normal University	451	1.29	4241	77.16	74
90	Southwest University - China	517	1.9	4177	74.47	205
91	Tianjin Polytechnic University	545	1.1	3920	70.64	88
92	Nanchang University	518	1.18	3903	75.1	123
93	China Jiliang University	608	0.86	3860	74.51	131
94	Shenyang Aerospace University	422	1.02	3858	74.41	49
95	Chang'an University	809	0.76	3801	59.95	249
96	Changsha University of Science &	690	0.78	3714	69.42	246

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
	Technology					
97	Anhui University	472	1.16	3692	67.37	100
98	Xiangtan University	445	1.21	3678	69.66	97
99	Northwest University Xi'an	321	1.59	3653	73.21	65
100	University of Jinan	403	1.53	3652	69.48	71
101	Shandong University of Science & Technology	739	0.93	3620	61.3	168
102	Shanghai Maritime University	544	1.2	3613	64.71	228
103	Huaqiao University	515	1.07	3598	67.38	103
104	Northeast Normal University - China	284	1.51	3564	72.54	31
105	Nanjing Agricultural University	299	1.55	3544	75.25	69
106	Henan Polytech University	559	1.08	3518	65.12	102
107	Qingdao University of Science & Technology	342	1.62	3286	77.78	67
108	Shanxi University	350	1.47	3261	71.14	104
109	Xi'an University of Technology	704	0.75	3236	65.06	123
110	Zhejiang Sci-Tech University	478	1.15	3154	70.71	103
111	Northeast Petroleum University	249	1.69	3148	66.67	69
112	Shaanxi Normal University	348	1.13	3106	74.14	56
113	Xi'an University of Architecture & Technology	562	0.8	3073	63.7	78
114	Anhui University of Technology	329	1.45	2915	77.81	83
115	Southwest Petroleum University	934	0.89	2904	59.85	131
116	Lanzhou University of Technology	432	1.05	2871	65.05	71
117	Heilongjiang University	271	1.51	2868	75.65	44
118	Wuhan University of Science & Technology	484	1.05	2794	66.74	144
119	Qilu University of Technology	354	1.15	2683	74.01	76
120	Henan Normal University	262	1.32	2664	70.23	41
121	Guilin University of Electronic Technology	444	1.03	2611	68.02	95
122	Air Force Engineering University	757	0.59	2598	52.84	22
123	Beijing Forestry University	286	1.54	2499	72.38	65
124	Hebei University of Science & Technology	199	1.31	2494	81.41	37
125	Zhejiang A&F University	177	2.47	2421	81.36	39



我校工程学共有 18 篇高被引论文，如图-11 所示：

1	<b>FABRICATION OF NOVEL MAGNETIC CHITOSAN GRAFTED WITH GRAPHENE OXIDE TO ENHANCE ADSORPTION PROPERTIES FOR METHYL BLUE</b>	Times Cited: 209
	By: FAN, LL; LUO, CN; LI, XJ; et.al Source: J HAZARD MATER 215: 272-279 MAY 15 2012 Research Fields: ENGINEERING	
2	<b>ADSORPTION OF PHOSPHATE FROM AQUEOUS SOLUTION BY HYDROXY-ALUMINUM, HYDROXY-IRON AND HYDROXY-IRON-ALUMINUM PILLARED BENTONITES</b>	Times Cited: 126
	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	<b>HIGHLY EFFICIENT REMOVAL OF HEAVY METAL IONS BY AMINE-FUNCTIONALIZED MESOPOROUS FE3O4 NANOPARTICLES</b>	Times Cited: 115  Research Front
	By: XIN, X; WEI, Q; YANG, J; et.al Source: CHEM ENG J 184: 132-140 MAR 1 2012 Research Fields: ENGINEERING	
4	<b>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</b>	Times Cited: 114  Research Front
	By: GUO, XY; DU, B; WEI, Q; et.al Source: J HAZARD MATER 278: 211-220 AUG 15 2014 Research Fields: ENGINEERING	
5	<b>AG3PO4/GRAPHENE-OXIDE COMPOSITE WITH REMARKABLY ENHANCED VISIBLE-LIGHT-DRIVEN PHOTOCATALYTIC ACTIVITY TOWARD DYES IN WATER</b>	Times Cited: 99
	By: CHEN, GD; SUN, M; WEI, Q; et.al Source: J HAZARD MATER 244: 86-93 JAN 15 2013 Research Fields: ENGINEERING	
6	<b>ENVIRONMENTAL EFFICIENCY EVALUATION BASED ON DATA ENVELOPMENT ANALYSIS: A REVIEW</b>	Times Cited: 85
	By: SONG, ML; AN, QX; ZHANG, W; et.al Source: RENEW SUSTAIN ENERGY REV 16 (7): 4465-4469 SEP 2012 Research Fields: ENGINEERING	
7	<b>EDTA FUNCTIONALIZED MAGNETIC GRAPHENE OXIDE FOR REMOVAL OF PB(II), HG(II) AND CU(II) IN WATER TREATMENT: ADSORPTION MECHANISM AND SEPARATION PROPERTY</b>	Times Cited: 81  Research Front
	By: CUI, LM; WANG, YG; GAO, L; et.al Source: CHEM ENG J 281: 1-10 DEC 1 2015 Research Fields: ENGINEERING	
8	<b>CHINA'S REGIONAL ENERGY AND ENVIRONMENTAL EFFICIENCY: A DEA WINDOW ANALYSIS BASED DYNAMIC EVALUATION</b>	Times Cited: 80
	By: WANG, K; YU, SW; ZHANG, W; Source: MATH COMPUT MODELLING 58 (5-6): 1117-1127 SEP 2013 Research Fields: ENGINEERING	
9	<b>HETEROGENEOUS ACTIVATION OF OXONE BY COXFE3-XO4 NANOCATALYSTS FOR DEGRADATION OF RHODAMINE B</b>	Times Cited: 78  Research Front
	By: SU, SN; GUO, WL; LENG, YQ; et.al Source: J HAZARD MATER 244: 736-742 JAN 15 2013 Research Fields: ENGINEERING	
10	<b>NANOPOROUS PTCO AND PTNI ALLOY RIBBONS FOR METHANOL ELECTROOXIDATION</b>	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	<b>MAGNETIC FE<sub>3</sub>O<sub>4</sub>/MGAL-LDH COMPOSITE FOR EFFECTIVE REMOVAL OF THREE RED DYES FROM AQUEOUS SOLUTION</b>	Times Cited: 56
	By: SHAN, RR; YAN, LG; YANG, K; et.al Source: CHEM ENG J 252: 38-46 SEP 15 2014 Research Fields: ENGINEERING	
12	<b>STABILITY ANALYSIS OF A CLASS OF HYBRID STOCHASTIC RETARDED SYSTEMS UNDER ASYNCHRONOUS SWITCHING</b>	Times Cited: 51
	By: KANG, Y; ZHAI, DH; LIU, GP; et.al Source: IEEE TRANS AUTOMAT CONTR 59 (6): 1511-1523 JUN 2014 Research Fields: ENGINEERING	Research Front
13	<b>ADSORPTION OF CD(II) BY MG-AL-CO<sub>3</sub>- AND MAGNETIC FE<sub>3</sub>O<sub>4</sub>/MG-AL-CO<sub>3</sub>-LAYERED DOUBLE HYDROXIDES: KINETIC, ISOTHERMAL, THERMODYNAMIC AND MECHANISTIC STUDIES</b>	Times Cited: 42
	By: SHAN, RR; YAN, LG; YANG, K; et.al Source: J HAZARD MATER 299: 42-49 DEC 15 2015 Research Fields: ENGINEERING	
14	<b>EXTRACELLULAR POLYMERIC SUBSTANCES FOR ZN (II) BINDING DURING ITS SORPTION PROCESS ONTO AEROBIC GRANULAR SLUDGE</b>	Times Cited: 24
	By: WEI, D; LI, MT; WANG, XD; et.al Source: J HAZARD MATER 301: 407-415 JAN 15 2016 Research Fields: ENGINEERING	
15	<b>A HIERARCHICALLY POROUS MGFE<sub>2</sub>O<sub>4</sub>/GAMMA-FE<sub>2</sub>O<sub>3</sub> MAGNETIC MICROSPHERES FOR EFFICIENT REMOVALS OF DYE AND PHARMACEUTICAL FROM WATER</b>	Times Cited: 18
	By: LU, L; LI, J; YU, J; et.al Source: CHEM ENG J 283: 524-534 JAN 1 2016 Research Fields: ENGINEERING	
16	<b>DECOMPOSITION ANALYSIS OF FACTORS AFFECTING CARBON DIOXIDE EMISSIONS ACROSS PROVINCES IN CHINA</b>	Times Cited: 17
	By: LI, AJ; ZHANG, AZ; ZHOU, YX; et.al Source: J CLEAN PROD 141: 1428-1444 JAN 10 2017 Research Fields: ENGINEERING	
17	<b>RICE HUSKS AS A SUSTAINABLE SILICA SOURCE FOR HIERARCHICAL FLOWER-LIKE METAL SILICATE ARCHITECTURES ASSEMBLED INTO ULTRATHIN NANOSHEETS FOR ADSORPTION AND CATALYSIS</b>	Times Cited: 15
	By: ZHANG, SW; GAO, HH; LI, JX; et.al Source: J HAZARD MATER 321: 92-102 JAN 5 2017 Research Fields: ENGINEERING	
18	<b>ROBUST NOISE REGION-BASED ACTIVE CONTOUR MODEL VIA LOCAL SIMILARITY FACTOR FOR IMAGE SEGMENTATION</b>	Times Cited: 9
	By: NIU, SJ; CHEN, Q; DE SISTERNES, L; et.al Source: PATT RECOG 61: 104-119 SP. ISS. SI JAN 2017 Research Fields: ENGINEERING	

图-11 济南大学工程学高被引论文

### 详细记录：

1.被引频次 209（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

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DOI: 10.1016/j.jhazmat.2012.02.068

出版年: MAY 15 2012

作者信息

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电子邮件地址:fanlu1949@126.com

文献类型:Article 语种:English

入藏号: WOS:000303306400034 PubMed ID: 22429622 ISSN: 0304-3894

### 2.被引频次 126 (济南大学是第 1 作者和通讯作者单位, 资源与环境学院)

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 115 (济南大学是第 1 作者和通讯作者单位, 资源与环境学院)

Highly efficient removal of heavy metal ions by amine-functionalized mesoporous Fe<sub>3</sub>O<sub>4</sub> 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

#### 4.被引频次 114 (济南大学是第 1 作者和通讯作者单位, 资源与环境学院)

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, Weiyong)[ 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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电子邮件地址:dubin61@gmail.com; sdjndxwq@163.com

文献类型:Article 语种:English 入藏号: WOS:000340689100026

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

#### 5.被引频次 99 (济南大学是第 1 作者和通讯作者单位, 资源与环境学院)

Ag<sub>3</sub>PO<sub>4</sub>/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 85 (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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文献类型: Review 语种: English

入藏号: WOS:000307909800012 ISSN: 1364-0321

7.被引频次 81 (济南大学是第 1 作者和通讯作者单位, 资源与环境学院)

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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电子邮件地址: dubin61@gmail.com

文献类型: Article 语种: English

入藏号: WOS:000362308200001 ISSN: 1385-8947 eISSN: 1873-3212

8.被引频次 80 (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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文献类型:Article 语种:English

入藏号: WOS:000321700400024 ISSN: 0895-7177 eISSN: 1872-9479

### 9.被引频次 78 (济南大学是第 1 作者和通讯作者单位, 资源与环境学院)

Heterogeneous activation of Oxone by CoxFe<sub>3</sub>-xO<sub>4</sub> 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

### 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 56 (济南大学是第 1 作者和通讯作者单位, 资源与环境学院)

Magnetic Fe<sub>3</sub>O<sub>4</sub>/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

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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 51 (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

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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 42 (济南大学是第 1 作者和通讯作者单位, 资源与环境学院)

Adsorption of Cd(II) by Mg-Al-CO<sub>3</sub>- and magnetic Fe<sub>3</sub>O<sub>4</sub>/Mg-Al-CO<sub>3</sub>-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 eISSN: 1873-3336

14.被引频次 24 (济南大学是第 1 作者和通讯作者单位, 资源与环境学院)

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

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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 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)

A hierarchically porous MgFe<sub>2</sub>O<sub>4</sub>/gamma-Fe<sub>2</sub>O<sub>3</sub> magnetic microspheres for efficient removals of dye and pharmaceutical from water



作者:Lu, L (Lu, Lu)[ 1 ] ; Li, J (Li, Jia)[ 1 ] ; Yu, J (Yu, Jing)[ 1 ] ; Song, P (Song, Peng)[ 1 ] ; Ng, DHL (Ng, Dickon H. L.)[ 2 ]

CHEMICAL ENGINEERING JOURNAL 卷: 283 页: 524-534

DOI: 10.1016/j.cej.2015.07.081

出版年: JAN 1 2016

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文献类型:Article 语种:English

入藏号: WOS:000364247100053

ISSN: 1385-8947 eISSN: 1873-3212

#### 16.被引频次 17 (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 15 (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

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出版年: JAN 5 2017

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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 9 (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

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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 3 月国内高校 ESI 排名如表-13 所示。可以看出排在前 10 位的高校分别是清华大学、北京大学、中国科学技术大学、南京大学、浙江大学、中国科学院大学、上海交通大学、山东大学、复旦大学和华中科技大学。表-13 中,排名第 1 位的清华大学至排名第 34 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 总被引频次在国内高校排名第 101 位,省内高校第 5 位。

表-13 ESI 物理学国内高校排名

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	11315	1.49	165896	83.45	3996
2	Peking University	10320	1.46	159472	83.49	4109
3	University of Science & Technology of China	11299	1.32	159417	80.72	4234
4	Nanjing University	7742	1.29	99272	82.32	2530
5	Zhejiang University	7544	1.12	96795	84.29	2709
6	University of Chinese Academy of Sciences	9826	0.83	76804	73.08	1652
7	Shanghai Jiao Tong University	6620	1.23	76561	80.65	2519
8	<b>Shandong University</b>	<b>4791</b>	<b>1.45</b>	<b>69257</b>	<b>83.8</b>	<b>1837</b>
9	Fudan University	4765	1.28	64073	82.9	1732
10	Huazhong University of Science & Technology	6312	0.96	57282	79.36	1217
11	Sun Yat Sen University	3280	1.66	50762	83.9	1328
12	Harbin Institute of Technology	5757	0.73	44899	79.03	1164
13	Jilin University	4061	0.96	43425	81.01	926
14	Xi'an Jiaotong University	4960	0.84	43091	77.12	1402
15	Nankai University	3330	1.2	41155	82.07	986
16	Southeast University - China	3399	1.12	39266	79.94	841

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	Beihang University	4042	1.13	36606	77.59	1335
18	Central China Normal University	2181	1.73	35592	81.89	1256
19	Lanzhou University	3494	0.94	34826	81.05	894
20	University of Electronic Science & Technology of China	4437	0.74	33663	77.98	1172
21	Dalian University of Technology	3505	0.76	32503	80.97	696
22	Beijing Normal University	2800	0.99	29787	80.46	673
23	Suzhou University	2475	1.33	28729	82.51	793
24	Shanghai University	3139	0.81	28057	79.01	756
25	Wuhan University	2334	1.15	26351	79.43	667
26	Tianjin University	3254	0.78	24766	76.77	680
27	Sichuan University	3765	0.61	24091	76.49	648
28	Beijing Institute of Technology	2760	0.88	24018	77.25	624
29	East China Normal University	2385	0.84	22875	80.34	586
30	South China University of Technology	1925	1.21	22592	80.36	349
31	Hunan University	1877	1.19	21810	82.53	457
32	National University of Defence Technology - China	3003	0.72	21047	77.82	402
33	Beijing University of Posts & Telecommunications	2649	0.76	19580	76.22	372
34	Xiamen University	1855	1.08	19172	78.81	614
35	Tongji University	2102	0.86	17585	78.88	532
36	Chongqing University	1991	0.92	16931	76.75	403
37	South China Normal University	2048	0.71	16716	77.83	288
38	University of Science & Technology Beijing	1929	0.86	16662	78.49	505
39	Northwestern Polytechnical University	2494	0.68	15487	76.54	471
40	Nanjing University of Aeronautics & Astronautics	1651	0.87	14821	77.77	273
41	Renmin University of China	668	1.99	14192	80.99	271
42	Beijing Jiaotong University	1993	0.7	13832	76.52	366
43	Wuhan University of Technology	1028	1.35	13733	76.75	297
44	Xidian University	2329	0.55	12798	74.62	176
45	Shenzhen University	1481	1.21	12663	74.54	335
46	Nanjing University of Science &	1786	0.78	12529	75.81	351

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
	Technology					
47	Shanxi University	1763	0.88	12390	71.58	428
48	Central South University	1608	0.97	11701	76.8	357
49	East China University of Science & Technology	893	1.18	11471	82.19	216
50	Beijing University of Technology	1569	0.68	11009	74.63	296
51	Ningbo University	1420	0.75	10747	78.17	236
52	Xiangtan University	1116	0.82	10545	84.59	252
53	Henan Normal University	1287	0.89	10388	79.64	314
54	Zhejiang Normal University	951	0.87	10263	84.02	183
55	Anhui University	1303	0.73	9745	75.75	145
56	Donghua University	639	1.15	9502	82.16	158
57	Hangzhou Normal University	722	1.3	8973	83.93	322
58	Northeastern University - China	1191	0.72	8920	75.15	247
59	Nanjing Normal University	1162	0.96	8680	76.08	334
60	Northeast Normal University - China	694	0.84	8588	73.92	98
61	Fuzhou University	882	0.96	8483	75.85	125
62	Southwest Jiaotong University	1416	0.56	8458	73.23	329
63	Hunan Normal University	1120	0.73	8393	78.04	120
64	Zhengzhou University	1116	0.99	8375	77.69	314
65	University of Shanghai for Science & Technology	1264	0.65	8188	73.42	282
66	Nanjing University of Posts & Telecommunications	1130	0.93	7679	72.04	187
67	Beijing University of Chemical Technology	632	1.13	7542	80.85	122
68	Yanshan University	998	0.67	7280	78.96	164
69	Southwest University - China	790	1.06	7169	75.95	220
70	North China Electric Power University	878	1.03	7075	72.32	98
71	Jiangsu University	1107	0.66	6927	75.25	109
72	Nanchang University	930	0.7	6925	78.71	84
73	Capital Normal University	886	0.66	6764	77.43	264
74	Guangxi University	738	0.94	6346	77.51	268
75	Guangxi Normal University	654	1.08	6345	81.5	268
76	China Jiliang University	821	0.77	6302	78.93	153

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	China University of Mining & Technology	998	0.79	6213	75.75	151
78	Harbin Engineering University	919	0.75	6123	71.38	150
79	Shaanxi Normal University	1040	0.65	6120	73.85	154
80	Nanjing Tech University	467	1.59	5573	78.16	117
81	Taiyuan University of Technology	769	0.81	5466	70.61	89
82	Northwest University Xi'an	782	0.75	5414	78.39	144
83	Changchun University of Science & Technology	988	0.47	5224	70.55	63
84	Hebei Normal University	684	0.68	5184	81.14	68
85	Henan University	685	0.75	5165	78.83	84
86	Hebei University of Technology	789	0.6	5084	75.41	134
87	Yunnan University	615	0.71	4994	78.37	117
88	Shandong Normal University	741	0.6	4878	77.19	77
89	China University of Petroleum	894	0.63	4831	71.03	194
90	Jiangxi Normal University	712	0.58	4804	74.72	53
91	Jinan University	652	0.88	4736	73.16	145
92	University Town of Shenzhen	678	0.81	4645	74.48	150
93	Hefei University of Technology	707	0.78	4581	75.95	122
94	Sichuan Normal University	553	0.74	4572	78.84	66
95	Jiangnan University	672	0.72	4484	72.62	72
96	China University of Geosciences	672	0.74	4411	73.21	131
97	Northwest Normal University - China	771	0.52	4395	74.71	108
98	Liaoning University	452	1.06	4316	83.41	213
99	Qingdao University	497	0.9	4294	79.28	181
100	Zhejiang University of Technology	723	0.77	4291	74.83	218
101	University of Jinan	519	0.93	4187	78.03	61
102	Fujian Normal University	545	0.6	4158	77.61	92
103	Zhejiang A&F University	323	0.99	4076	92.57	38
104	Yangzhou University	473	0.76	4066	77.8	75
105	Guangzhou University	404	0.68	4006	83.17	36

我校物理学共有 8 篇高被引论文，如图-12 所示：








1	<p><b>EPITAXIAL GROWTH OF LARGE-GAP QUANTUM SPIN HALL INSULATOR ON SEMICONDUCTOR SURFACE</b></p> <p>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</p>	<p>Times Cited: 80</p> <p> Research Front</p>
2	<p><b>A BAMBOO-INSPIRED NANOSTRUCTURE DESIGN FOR FLEXIBLE, FOLDABLE, AND TWISTABLE ENERGY STORAGE DEVICES</b></p> <p>By: SUN, YM; SILLS, RB; HU, XL; et.al  Source: NANO LETT 15 (6): 3899-3906 JUN 2015  Research Fields: PHYSICS</p>	<p>Times Cited: 74</p>
3	<p><b>ETHYNYL-FUNCTIONALIZED STANENE FILM: A PROMISING CANDIDATE AS LARGE-GAP QUANTUM SPIN HALL INSULATOR</b></p> <p>By: ZHANG, RW; ZHANG, CW; JI, WX; et.al  Source: NEW J PHYS 17: - AUG 10 2015  Research Fields: PHYSICS</p>	<p>Times Cited: 59</p> <p> Research Front</p>
4	<p><b>UNEXPECTED GIANT-GAP QUANTUM SPIN HALL INSULATOR IN CHEMICALLY DECORATED PLUMBENE MONOLAYER</b></p> <p>By: ZHAO, H; ZHANG, CW; JI, WX; et.al  Source: SCI REP 6: - FEB 2 2016  Research Fields: PHYSICS</p>	<p>Times Cited: 46</p> <p> Research Front</p>
5	<p><b>CONTROLLABLE BAND STRUCTURE AND TOPOLOGICAL PHASE TRANSITION IN TWO-DIMENSIONAL HYDROGENATED ARSENE</b></p> <p>By: WANG, YP; JI, WX; ZHANG, CW; et.al  Source: SCI REP 6: - FEB 3 2016  Research Fields: PHYSICS</p>	<p>Times Cited: 33</p> <p> Research Front</p>
6	<p><b>LARGE-GAP QUANTUM SPIN HALL STATE IN FUNCTIONALIZED DUMBBELL STANENE</b></p> <p>By: WANG, YP; JI, WX; ZHANG, CW; et.al  Source: APPL PHYS LETT 108 (7): - FEB 15 2016  Research Fields: PHYSICS</p>	<p>Times Cited: 31</p> <p> Research Front</p>
7	<p><b>ROOM TEMPERATURE QUANTUM SPIN HALL INSULATOR IN ETHYNYL-DERIVATIVE FUNCTIONALIZED STANENE FILMS</b></p> <p>By: ZHANG, RW; ZHANG, CW; JI, WX; et.al  Source: SCI REP 6: - JAN 5 2016  Research Fields: PHYSICS</p>	<p>Times Cited: 28</p> <p> Research Front</p>
8	<p><b>NANOMATERIALS-MODIFIED CELLULOSE PAPER AS A PLATFORM FOR BIOSENSING APPLICATIONS</b></p> <p>By: GE, SG; ZHANG, LN; ZHANG, Y; et.al  Source: NANOSCALE 9 (13): 4366-4382 APR 7 2017  Research Fields: PHYSICS</p>	<p>Times Cited: 10</p> <p> Research Front</p>

图-12 济南大学物理学高被引论文

### 详细记录：

1.被引频次 80（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

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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 74 (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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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 59 (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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电子邮件地址:zhchwsd@163.com

文献类型:Article 语种:English

入藏号: WOS:000360956600004 ISSN: 1367-2630

4.被引频次 46 (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

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电子邮件地址:zhchwsd@163.com

文献类型:Article 语种:English

入藏号: WOS:000369139700001

PubMed ID: 26833133 ISSN: 2045-2322

5.被引频次 33 (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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电子邮件地址:zhchwsd@163.com

文献类型:Article 语种:English

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

**6.被引频次 31 (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)**

Large-gap quantum spin Hall state in functionalized dumbbell stanene

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 ] ; Wang, PJ (Wang, Pei-ji)[ 1 ] ; Li, SS (Li, Sheng-shi)[ 2 ] ; Yan, SS (Yan, Shi-shen)[ 2 ]

APPLIED PHYSICS LETTERS 卷: 108 期: 7

文献号: 073104 DOI: 10.1063/1.4942380

出版年: FEB 15 2016

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电子邮件地址:zhchwsd@163.com

文献类型:Article 语种:English

入藏号: WOS:000373056400037 ISSN: 0003-6951 eISSN: 1077-3118

**7.被引频次 28 (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)**

Room Temperature Quantum Spin Hall Insulator in Ethynyl-Derivative Functionalized Stanene Films

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 ] ; Yan, SS (Yan, Shi-shen)[ 2 ] ; Hu, SJ (Hu, Shu-jun)[ 2 ] ; Li, P (Li, Ping)[ 1 ] ; Wang, PJ (Wang, Pei-ji)[ 1 ] ; Li, F (Li, Feng)[ 1 ]

SCIENTIFIC REPORTS 卷: 6

文献号: 18879 DOI: 10.1038/srep18879

出版年: JAN 5 2016

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文献类型:Article 语种:English

入藏号: WOS:000368378600001 PubMed ID: 26728874 ISSN: 2045-2322

### 8.被引频次 10 (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

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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 3 月国内高校 ESI 排名如表-14 所示。可以看出排在前 10 位的高校分别是上海交通大学、中科院大学、浙江大学、北京大学、清华大学、复旦大学、中山大学、山东大学、武汉大学和四川大学。在表-14 中,排名第 1 位的上海交通大学至排名第 54 位的重庆医科大学,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 总被引频次在国内高校排名第 82 位,省内高校第 3 位。

表-14 ESI 生物与生物化学国内高校排名

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	14701	1.3	148136	78.78	4291
2	Harbin Institute of Technology	9902	1.43	105126	75.26	2582
3	Shanghai Jiao Tong University	11580	1.07	104553	77.44	2826
4	Zhejiang University	9866	1.16	93211	77.58	2828
5	Xi'an Jiaotong University	9000	1.24	78061	74.83	1815
6	Huazhong University of Science & Technology	7338	1.44	74235	77.88	1701
7	Southeast University - China	7321	1.27	69268	72.65	2076
8	Dalian University of Technology	6556	1.08	52950	76.25	1603
9	Tianjin University	6103	1.2	49701	73.47	1597
10	Beihang University	7646	1	48607	71.25	1603
11	University of Science & Technology of China	4239	1.44	45433	76.48	1129
12	Tongji University	5836	1.11	44075	73.24	1973
13	South China University of Technology	4213	1.49	43907	76.6	977
14	Peking University	3571	1.43	43006	80.03	1102
15	University of Electronic Science & Technology of China	5948	1.01	41441	70.49	1660
16	University of Chinese Academy of Sciences, CAS	4241	1.3	39340	73.07	632
17	Xidian University	4876	0.93	37064	71.47	831
18	Nanjing University of Aeronautics & Astronautics	4632	1.02	35803	69.78	965
19	Beijing Institute of Technology	4522	1.17	34803	70.48	1092
20	Chongqing University	4660	1.12	32969	71.05	1402
21	Northeastern University - China	3305	1.24	30083	71.44	748
22	Hunan University	3326	1.3	29820	75.44	1029
23	Shandong University	3354	1.23	29345	74.3	762
24	Nanjing University of Science & Technology	3438	1.12	27982	71.58	725
25	North China Electric Power University	3231	1.31	27073	73.57	915
26	Central South University	2694	1.53	25364	72.46	757
27	Beijing Jiaotong University	3568	1	23896	69.96	1214

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
28	Wuhan University	2871	1.26	23544	71.79	832
29	Northwestern Polytechnical University	4072	1.08	23037	67.39	1106
30	Nanjing University	1892	1.41	22970	79.02	546
31	Sun Yat Sen University	2148	1.32	20436	76.86	531
32	Shanghai University	2508	1.08	20315	72.65	612
33	China University of Petroleum	3449	1.14	20262	69.21	816
34	National University of Defence Technology - China	3535	0.74	19273	67.16	653
35	East China University of Science & Technology	1922	1.31	17975	75.91	393
36	Fudan University	1823	1.06	17512	76.63	673
37	Sichuan University	2428	0.97	17033	71.29	541
38	University of Science & Technology Beijing	2037	1.43	16067	73.05	577
39	China University of Mining & Technology	2789	1.2	15959	66.33	649
40	Jiangnan University	1209	1.81	15397	76.51	352
41	Xiamen University	1663	1.27	14384	73.84	584
42	Jilin University	2403	0.8	14375	66.42	405
43	Southwest Jiaotong University	2373	1.08	14341	67.76	716
44	Hohai University	2537	0.82	14115	66.3	811
45	Beijing University of Technology	2082	0.93	13376	69.07	464
46	Donghua University	968	1.5	13233	77.48	315
47	Hefei University of Technology	1701	1.3	12699	70.61	626
48	Jiangsu University	1744	1.25	12465	69.84	301
49	University Town of Shenzhen	1592	1.15	12419	75.38	440
50	Wuhan University of Technology	1785	1.05	12280	64.99	591
51	China University of Geosciences	1536	1.39	11617	71.81	529
52	Beijing University of Posts & Telecommunications	2086	0.8	11445	65.29	549
53	Nankai University	1055	1.46	11076	77.73	232
54	Harbin Engineering University	2273	1.04	11022	62.69	610
55	Beijing University of Chemical Technology	968	1.6	10567	76.34	188
56	Beijing Normal University	1006	1.57	10416	81.81	365
57	Lanzhou University	962	1.26	10141	78.07	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
58	Zhejiang University of Technology	1218	1.19	9884	70.85	331
59	Guangdong University of Technology	1156	1.76	9443	70.85	358
60	Nanjing Tech University	988	1.2	8540	75.2	258
61	Yanshan University	1428	0.92	8135	69.89	252
62	Qingdao University	446	1.89	8070	69.73	125
63	Liaoning University of Technology	278	5.18	8043	77.34	20
64	Fuzhou University	785	1.32	8042	69.94	266
65	Hangzhou Dianzi University	999	1.05	7963	64.86	272
66	Dalian Maritime University	806	1.41	7755	67.99	168
67	Suzhou University	1045	1.27	7371	71.2	288
68	Zhengzhou University	811	1.05	6805	69.91	221
69	China Agricultural University	795	0.98	6757	76.98	230
70	Nanjing Normal University	651	1.45	6641	73.73	170
71	Shenzhen University	1076	1.32	6534	71.65	314
72	East China Normal University	738	1.06	6379	74.66	201
73	Qufu Normal University	445	1.78	6163	75.73	80
74	Bohai University	377	4.31	6057	72.41	119
75	Yangzhou University	469	1.61	5995	70.58	165
76	Taiyuan University of Technology	963	1.02	5931	67.5	244
77	PLA University of Science & Technology	1149	0.73	5833	59.53	111
78	University of Shanghai for Science & Technology	1010	1.03	5441	66.93	296
79	Ocean University of China	729	0.9	5409	70.92	182
80	Wuhan Naval University of Engineering	597	1.05	5343	78.73	17
81	Kunming University of Science & Technology	619	1.35	5149	70.6	161
82	Nanjing University of Posts & Telecommunications	1006	0.96	5051	61.63	224
83	Ningbo University	699	0.97	4604	69.38	160
84	Nanjing University of Information Science & Technology	696	1.41	4529	69.11	240
85	Jinan University	562	1.28	4506	70.46	146
86	Guangxi University	604	1.16	4405	71.69	156
87	Northwest A&F University - China	387	1.54	4299	77.52	125
88	Zhejiang Normal University	477	1.21	4269	80.08	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
89	South China Normal University	451	1.29	4241	77.16	74
90	Southwest University - China	517	1.9	4177	74.47	205
91	Tianjin Polytechnic University	545	1.1	3920	70.64	88
92	Nanchang University	518	1.18	3903	75.1	123
93	China Jiliang University	608	0.86	3860	74.51	131
94	Shenyang Aerospace University	422	1.02	3858	74.41	49
95	Chang'an University	809	0.76	3801	59.95	249
96	Changsha University of Science & Technology	690	0.78	3714	69.42	246
97	Anhui University	472	1.16	3692	67.37	100
98	Xiangtan University	445	1.21	3678	69.66	97
99	Northwest University Xi'an	321	1.59	3653	73.21	65
100	University of Jinan	403	1.53	3652	69.48	71
101	Shandong University of Science & Technology	739	0.93	3620	61.3	168
102	Shanghai Maritime University	544	1.2	3613	64.71	228
103	Huaqiao University	515	1.07	3598	67.38	103
104	Northeast Normal University - China	284	1.51	3564	72.54	31
105	Nanjing Agricultural University	299	1.55	3544	75.25	69
106	Henan Polytech University	559	1.08	3518	65.12	102
107	Qingdao University of Science & Technology	342	1.62	3286	77.78	67
108	Shanxi University	350	1.47	3261	71.14	104
109	Xi'an University of Technology	704	0.75	3236	65.06	123
110	Zhejiang Sci-Tech University	478	1.15	3154	70.71	103
111	Northeast Petroleum University	249	1.69	3148	66.67	69
112	Shaanxi Normal University	348	1.13	3106	74.14	56
113	Xi'an University of Architecture & Technology	562	0.8	3073	63.7	78
114	Anhui University of Technology	329	1.45	2915	77.81	83
115	Southwest Petroleum University	934	0.89	2904	59.85	131
116	Lanzhou University of Technology	432	1.05	2871	65.05	71
117	Heilongjiang University	271	1.51	2868	75.65	44
118	Wuhan University of Science & Technology	484	1.05	2794	66.74	144
119	Qilu University of Technology	354	1.15	2683	74.01	76
120	Henan Normal University	262	1.32	2664	70.23	41

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
121	Guilin University of Electronic Technology	444	1.03	2611	68.02	95
122	Air Force Engineering University	757	0.59	2598	52.84	22
123	Beijing Forestry University	286	1.54	2499	72.38	65
124	Hebei University of Science & Technology	199	1.31	2494	81.41	37
125	Zhejiang A&F University	177	2.47	2421	81.36	39

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: 176

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: 128

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: 111

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: 94

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 176（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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[ 5 ] Inst Oncol, Jinan 250117, Peoples R China

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 128 (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 111 (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,

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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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电子邮件地址:haoyunlileilei@163.com

文献类型:Article 语种:English

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

#### 4.被引频次 94 (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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[ 3 ] Shandong Acad Med Sci, Shandong Canc Hosp, Clin Lab, Jinan 250117, Shandong, Peoples R China

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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 3 月国内高校 ESI 排名如表-15 所示。可以看出排在前 10 位的高校分别是北京大学、复旦大学、兰州大学、哈尔滨工业大学、北京师范大学、山东大学、上海交通大学、清华大学、南开大学和浙江大学。在表-15 中，排名第 1 位的北京大学至排名第 29 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 总被引频次在国内高校排名第 96 位，省内高校第 6 位。

表-15 ESI 数学国内高校排名

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	1934	1.11	11030	68.2	655
2	Fudan University	1802	1.13	9708	71.03	578
3	Lanzhou University	1118	1.59	8920	75.94	199
4	Harbin Institute of Technology	1447	1.42	8688	66.97	330
5	Beijing Normal University	1686	1.21	8610	70.05	492
6	Shandong University	1765	1.02	8465	66.97	408
7	Shanghai Jiao Tong University	1461	1.21	8236	69.06	497
8	Tsinghua University	1559	1.01	8233	69.15	497
9	Nankai University	1647	1.11	8131	69.58	452
10	Zhejiang University	1791	0.89	7905	65.88	484
11	Southeast University - China	1206	1.6	7904	68.33	280
12	University of Science & Technology of China	1413	1.06	7175	68.01	489
13	Shanghai University	1321	1.1	7093	66.92	316
14	Xiamen University	1294	1.21	7032	64.53	344
15	Sun Yat Sen University	1356	1.03	6675	69.76	379
16	East China Normal University	1596	0.91	6640	67.79	433
17	Central South University	1212	1.7	6584	70.46	177
18	Nanjing University	1316	1.08	6482	66.57	289
19	Xi'an Jiaotong University	1113	1.12	6218	68.82	243
20	South China Normal University	1272	0.92	5987	68.63	175
21	Shanghai Normal University	1015	1.06	5909	67.98	352

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
22	Dalian University of Technology	1360	0.85	5721	65.07	192
23	Wuhan University	1232	1.06	5341	66.88	316
24	Huazhong University of Science & Technology	952	1.19	5144	71.11	206
25	Sichuan University	1205	0.84	5036	64.9	272
26	Zhejiang Normal University	976	1.18	4775	66.8	232
27	Xiangtan University	498	2.57	4644	70.48	115
28	Donghua University	451	1.93	4620	73.17	92
29	Chongqing University	957	1.1	4483	66.98	121
30	Tianjin Polytechnic University	675	1.49	4403	65.04	247
31	Qufu Normal University	777	1.3	4287	67.18	181
32	Hunan University	840	1.05	4155	65.24	143
33	Beijing Institute of Technology	905	1.01	4155	67.4	191
34	Northeast Normal University - China	755	1.39	4088	64.64	205
35	Suzhou University	950	0.9	4024	66.32	183
36	Nanjing Normal University	1078	0.79	3979	58.81	158
37	Jilin University	1050	0.89	3924	61.24	168
38	South China University of Technology	670	1.22	3829	66.42	156
39	Tongji University	958	1.01	3799	65.66	173
40	Jiangnan University	254	2.37	3548	64.57	43
41	University of Electronic Science & Technology of China	726	1.52	3501	65.7	140
42	Southwest University - China	750	1.26	3433	60.67	160
43	Central China Normal University	826	1.13	3419	67.55	239
44	China University of Mining & Technology	772	2.23	3183	59.97	105
45	Capital Normal University	670	0.97	3158	64.48	187
46	Beihang University	751	1.02	3080	63.38	156
47	Fuzhou University	456	1.23	2835	70.39	70
48	Anhui University	513	1.42	2739	69.98	69
49	Henan Polytech University	560	1.32	2696	70.71	96
50	Beijing University of Technology	592	0.87	2595	59.97	99
51	Beijing Jiaotong University	635	1.12	2539	59.21	158
52	Yunnan University	566	1.09	2519	66.43	89
53	Jiangsu Normal University	629	0.9	2499	64.39	133
54	Henan Normal University	686	0.83	2435	57.14	72

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
55	Nanjing University of Aeronautics & Astronautics	691	0.89	2433	59.91	131
56	Xinjiang University	585	0.86	2425	62.56	87
57	Nanjing University of Science & Technology	448	1.36	2334	63.62	101
58	Hunan Normal University	628	0.8	2326	63.85	137
59	Northwest Normal University - China	617	0.77	2222	57.7	36
60	Shandong University of Science & Technology	321	2.91	2221	74.45	40
61	Shanxi University	509	1.06	2146	59.53	70
62	Jiangsu University	385	1.19	2123	62.34	55
63	North China Electric Power University	381	1.19	2114	64.04	70
64	Tianjin University	686	0.93	2105	59.48	122
65	Zhengzhou University	495	0.98	2052	67.07	60
66	Shantou University	298	1.16	2036	66.78	70
67	Shaanxi Normal University	452	0.89	2008	62.39	68
68	University of Chinese Academy of Sciences	520	0.88	1961	59.23	92
69	Huzhou University	300	1.46	1885	75.33	33
70	Changsha University of Science & Technology	354	1.16	1879	68.08	67
71	Jiaying University	119	2.05	1878	70.59	35
72	Shanghai University of Finance & Economics	469	1	1871	57.36	210
73	Nanjing University of Information Science & Technology	420	1.16	1866	65.48	92
74	Northeastern University - China	387	1.33	1809	62.02	86
75	Renmin University of China	491	1.06	1762	58.66	164
76	Xidian University	474	0.86	1757	60.76	64
77	Yunnan Normal University	250	1.94	1750	64.4	35
78	University of Science & Technology Beijing	258	1.59	1740	73.26	54
79	Guangzhou University	403	0.83	1711	55.58	64
80	Hangzhou Normal University	446	0.85	1690	62.33	119
81	China University of Petroleum	451	1.06	1686	60.53	74
82	Hohai University	460	1.01	1683	55	89

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
83	Chongqing Normal University	379	1.03	1644	59.37	75
84	Guizhou University	211	3	1632	66.82	48
85	Fujian Normal University	505	0.77	1559	61.58	67
86	Harbin Normal University	230	1.22	1551	71.74	62
87	Yangzhou University	430	1	1547	59.07	81
88	East China University of Science & Technology	375	0.98	1533	60	81
89	Beijing University of Posts & Telecommunications	308	1.36	1520	63.96	46
90	Anhui Normal University	328	0.97	1485	65.24	43
91	Changshu Institute of Technology	207	1.45	1438	74.4	24
92	Henan University	399	0.74	1420	57.64	64
93	Northwestern Polytechnical University	514	1.08	1420	58.95	119
94	Yantai University	269	1.42	1401	68.03	76
95	Jiaxing University	315	1.09	1384	64.13	31
96	University of Jinan	300	1.07	1366	58.33	65
97	Northwest University Xi'an	362	0.81	1357	56.35	29
98	Nanchang University	388	0.79	1335	56.7	24
99	Huaiyin Normal University	313	2.31	1335	57.83	13
100	Jiangxi Normal University	484	0.67	1328	57.02	110

我校数学共有 3 篇高被引论文，如图-14 所示：

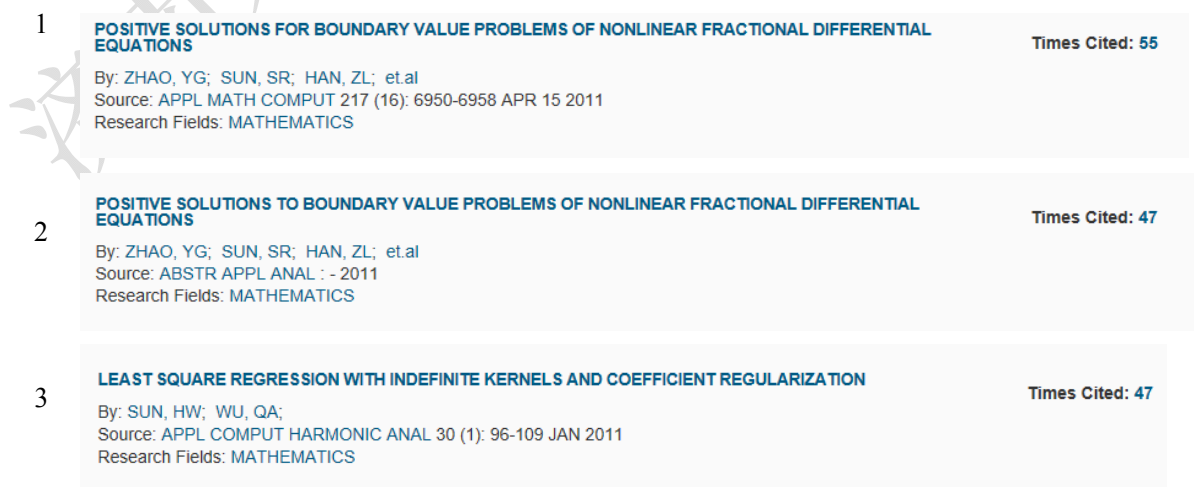


图-14 济南大学数学高被引论文

## 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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文献类型:Article 语种:English 入藏号: WOS:000288064600017 ISSN: 0096-3003

### 2.被引频次 47（济南大学是第 1 作者和通讯作者单位，数学科学学院）

Positive Solutions to Boundary Value Problems of Nonlinear Fractional Differential Equations

作者:Zhao, YG (Zhao, Yige)[ 1 ] ; Sun, SR (Sun, Shurong)[ 1,2 ] ; Han, ZL (Han, Zhenlai)[ 1 ] ; Li, QP (Li, Qiuping)[ 1 ]

ABSTRACT AND APPLIED ANALYSIS

文献号: 390543

DOI: 10.1155/2011/390543

出版年: 2011

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电子邮件地址:sshrong@163.com

文献类型:Article 语种:English

入藏号: WOS:000286231200001 ISSN: 1085-3375

### 3.被引频次 47（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 ]

APPLIED AND COMPUTATIONAL HARMONIC ANALYSIS 卷: 30 期: 1 页: 96-109

DOI: 10.1016/j.acha.2010.04.001

出版年: JAN 2011

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文献类型:Article 语种:English

入藏号: WOS:000285223600006

ISSN: 1063-5203 eISSN: 1096-603X

### 8.3.4 农业科学学科现状分析

农业科学 2018 年 3 月国内高校 ESI 排名如表-16 所示。可以看出排在前 10 位的高校分别是中国农业大学、浙江大学、南京农业大学、江南大学、中国科学院大学、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-16 中,排名第 1 位的中国农业大学至排名第 48 的华中科技大学,其农业科学进入了 ESI 的前 1%行列。我校的农业科学按照 ESI 总被引频次在国内高校排名第 136 位,省内高校第 9 位。

表-16 ESI 农业科学国内高校排名

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	4379	1.34	47834	81.8	1526
2	Zhejiang University	2454	1.39	28955	84.6	689
3	Nanjing Agricultural University	2555	1.4	26130	81.6	652
4	Jiangnan University	2248	1.54	24873	83.01	713
5	University of Chinese Academy of Sciences	2125	1.47	24115	81.6	650
6	Northwest A&F University - China	2462	1.3	21467	78.43	824
7	South China University of Technology	1369	2.09	17781	85.39	379
8	Huazhong Agricultural University	1628	1.29	14880	83.23	390
9	Nanchang University	669	2.02	8071	82.96	238
10	Shanghai Jiao Tong University	733	1.3	6651	81.58	275



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
11	Shandong Agricultural University	772	1.04	6065	78.11	97
12	South China Agricultural University	908	0.96	5993	73.24	270
13	Beijing Normal University	471	1.63	5854	84.08	151
14	Lanzhou University	486	1.43	5610	84.36	203
15	Sun Yat Sen University	417	1.58	5015	82.97	73
16	Peking University	384	1.67	4996	86.72	147
17	Beijing Forestry University	524	1.34	4941	78.24	159
18	Northeast Agricultural University - China	752	0.92	4773	71.54	146
19	Jilin University	460	1.45	4699	74.35	112
20	Ocean University of China	445	1.39	4669	77.98	115
21	Yangzhou University	527	1.2	4359	76.85	121
22	Tianjin University Science & Technology	515	1.42	4271	77.28	134
23	Sichuan University	386	1.32	4250	79.27	73
24	Sichuan Agricultural University	680	0.9	3911	71.91	144
25	Jiangsu University	511	1.37	3877	71.82	143
26	Southwest University - China	586	1.09	3833	73.72	140
27	Nankai University	242	1.56	3499	90.5	52
28	Hunan Agricultural University	380	1.16	3473	71.32	120
29	Shaanxi Normal University	272	1.57	3192	74.63	57
30	Wuhan University	260	1.58	3076	82.69	65
31	Tianjin University	274	1.42	3048	80.66	33
32	Zhejiang Gongshang University	283	1.54	2937	84.81	70
33	Nanjing University	272	1.31	2870	86.03	65
34	Nanjing Normal University	270	1.41	2802	81.85	80
35	Hebei Agricultural University	336	0.96	2704	64.88	64
36	Northeast Forestry University - China	254	1.61	2644	81.5	74
37	Jinan University	352	1.6	2620	76.42	85
38	Guangxi University	304	1.16	2562	75.99	55
39	Henan Agricultural University	354	0.95	2488	74.29	81
40	Inner Mongolia Agricultural University	295	0.98	2392	72.88	109
41	Fudan University	214	1.47	2364	85.05	92
42	Harbin Institute of Technology	224	1.24	2356	83.04	76

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	Xiamen University	189	1.48	2330	83.07	61
44	Fujian Agriculture & Forestry University	427	1.22	2269	72.83	152
45	Shenyang Agricultural University	489	0.8	2237	66.87	112
46	<b>Qingdao Agricultural University</b>	<b>329</b>	<b>1.14</b>	<b>2236</b>	<b>71.12</b>	<b>72</b>
47	Henan University of Technology	285	1.37	2234	78.25	42
48	Huazhong University of Science & Technology	224	1.44	2144	82.14	59
49	Zhejiang University of Technology	206	1.64	2143	82.04	33
50	<b>Shandong University</b>	<b>177</b>	<b>1.28</b>	<b>2085</b>	<b>84.75</b>	<b>26</b>
51	Beijing Academy of Agriculture & Forestry	267	1.01	2002	77.9	67
52	Shanghai Ocean University	206	1.5	1972	77.67	78
53	East China University of Science & Technology	188	1.28	1961	82.98	29
54	Gansu Agricultural University	258	0.97	1929	76.36	94
55	Anhui Agricultural University	301	1.04	1924	71.1	79
56	Zhejiang A&F University	284	1.31	1878	81.69	108
57	Central South University	141	2.16	1771	80.85	32
58	Henan Institute of Science & Technology	209	0.93	1739	70.33	31
59	Hefei University of Technology	217	1.75	1611	74.19	28
60	Beijing Technology & Business University	257	1.23	1549	64.59	65
61	Tsinghua University	166	1.63	1543	81.33	61
62	Shihezi University	216	1.09	1520	69.91	34
63	Henan University of Science & Technology	191	0.9	1415	66.49	27
64	Henan Academy of Agricultural Sciences	136	1.12	1359	80.88	45
65	China Pharmaceutical University	120	1.37	1330	85.83	18
66	Kunming University of Science & Technology	143	1.27	1309	74.13	25
67	Suzhou University	193	1.19	1300	71.5	63
68	Nanjing University of Finance & Economics	141	1.97	1296	74.47	59
69	Shanghai Normal University	77	1.81	1287	79.22	20

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
70	Nanjing Forestry University	209	0.95	1258	69.38	77
71	Shanxi University	127	1.24	1232	77.17	32
72	Jiangxi Agricultural University	199	1.12	1207	73.37	50
73	Northeast Normal University - China	119	1.12	1206	78.15	27
74	Guizhou University	127	1.09	1181	62.99	18
75	Yangtze University	168	1.23	1168	72.02	62
76	Wuhan Polytechnic University	142	1.83	1137	85.21	60
77	Ningbo University	163	1.34	1113	69.33	18
78	Fuzhou University	128	1.17	1089	77.34	21
79	East China Normal University	93	1.74	1070	87.1	32
80	Nanjing University of Information Science & Technology	139	1.49	1063	80.58	62
81	Yunnan Agricultural University	172	0.76	1061	73.26	56
82	Shenyang Pharmaceutical University	108	1.55	1041	82.41	19
83	Jiangsu Normal University	58	1.42	1041	75.86	11
84	Hohai University	228	0.83	1022	66.23	69
85	Dalian University of Technology	80	1.03	1019	66.25	27
86	Beijing University of Chemical Technology	105	1.4	1005	89.52	37
87	China University of Geosciences	114	1.16	987	64.91	30
88	Central China Normal University	79	1.56	971	79.75	5
89	Harbin Medical University	91	1.2	971	84.62	24
90	Jilin Agricultural University	183	0.98	969	71.04	36
91	Yunnan University	90	1.2	897	87.78	23
92	Dalian Polytechnic University	158	1.24	891	58.86	70
93	Jimei University	121	1.29	883	88.43	50
94	Hubei University of Technology	144	1.3	881	73.61	68
95	Hebei University	89	1.48	870	77.53	11
96	Tongji University	77	1.35	856	83.12	18
97	Hangzhou Normal University	110	1.4	854	72.73	31
98	Bohai University	111	1.65	852	77.48	20
99	Fujian Normal University	77	1.63	826	79.22	33
100	Central South University of Forestry & Technology	134	1.01	815	76.12	51
101	Northwest University Xi'an	121	1.15	812	74.38	24
102	Capital Normal University	82	1.02	810	81.71	38
103	Hainan University	162	1.17	793	64.81	30

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
104	Xinjiang Agricultural University	102	1.2	793	76.47	31
105	Shanxi Agricultural University	161	0.79	774	62.73	60
106	Huaihai Institute of Technology	66	1.63	772	72.73	10
107	South China Normal University	73	1.22	755	82.19	11
108	Fourth Military Medical University	47	1.82	750	87.23	6
109	Shanghai Institute of Technology	108	1.41	744	75.93	39
110	Capital Medical University	77	1.18	735	81.82	13
111	Guangdong Ocean University	102	0.9	732	72.55	18
112	Zhengzhou University	105	1.28	718	69.52	14
113	<b>Qilu University of Technology</b>	<b>105</b>	<b>0.96</b>	<b>711</b>	<b>72.38</b>	<b>12</b>
114	Zhengzhou University of Light Industry	70	1.31	697	74.29	17
115	Xi'an Jiaotong University	108	1.58	696	71.3	26
116	<b>Shandong University of Technology</b>	<b>81</b>	<b>1.13</b>	<b>694</b>	<b>74.07</b>	<b>15</b>
117	Zhejiang Normal University	73	1.09	692	84.93	9
118	Shanxi Normal University	65	1.57	687	73.85	7
119	Shanghai University	71	0.99	656	83.1	7
120	Hebei University of Science & Technology	77	1.36	656	76.62	8
121	Dalian Ocean University	32	1.85	651	62.5	12
122	Renmin University of China	78	1.07	639	78.21	44
123	Hunan Normal University	49	1.18	634	71.43	9
124	Southern Medical University - China	76	1.69	627	73.68	15
125	Shanghai University of Traditional Chinese Medicine	45	1.59	617	80	12
126	<b>Ludong University</b>	<b>66</b>	<b>1.22</b>	<b>616</b>	<b>78.79</b>	<b>12</b>
127	Guangxi Academy of Agricultural Sciences	117	0.79	616	66.67	24
128	<b>Yantai University</b>	<b>69</b>	<b>1.18</b>	<b>611</b>	<b>73.91</b>	<b>7</b>
129	Southeast University - China	65	1.42	606	76.92	20
130	Zhejiang Ocean University	96	1.15	581	73.96	6
131	Wenzhou Medical University	39	1.79	566	79.49	14
132	Hunan University	43	2.84	553	72.09	5
133	China Jiliang University	72	1.44	534	80.56	12
134	Nanjing University of Chinese Medicine	62	1.27	530	72.58	5
135	Guangdong Pharmaceutical	79	2.04	528	73.42	16

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
	University					
136	University of Jinan	48	1.5	519	68.75	8
137	Tianjin Agricultural University	96	0.79	491	76.04	50
138	Guangxi Normal University	32	1.48	485	96.88	3
139	Anhui University of Science & Technology	88	0.81	478	69.32	17
140	Tianjin University of Traditional Chinese Medicine	46	1.23	475	95.65	5

我校农业科学有 2 篇高被引论文，如图-15 所示：

- 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: 68

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
- SPATIAL DISTRIBUTION, ECOLOGICAL RISK ASSESSMENT AND SOURCE IDENTIFICATION FOR HEAVY METALS IN SURFACE SEDIMENTS FROM DONGPING LAKE, SHANDONG, EAST CHINA** Times Cited: 28

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 68（不是济南大学文章）

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 28 (济南大学是第 1 作者和通讯作者单位, 资源与环境学院)

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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### 8.3.5 计算机科学学科现状分析

计算机科学 2018 年 3 月国内高校 ESI 排名如表-17 所示。可以看出排在前 10 位的高校分别是清华大学、上海交通大学、浙江大学、华中科技大学、东南大学、西安电子科技大学、北京邮电大学、哈尔滨工业大学、西安交通大学和电子科技大学。在表-17 中，排名第 1 位的清华大学至排名第 42 位的合肥工业大学，其计算机科学进入了 ESI 的前 1% 行列。我校计算机科学按照 ESI 总被引频次在国内高校排名第 118 位，省内高校第 8 位。

表-17 ESI 计算机科学国内高校排名

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	4340	1.2	37882	74.45	1721
2	Shanghai Jiao Tong University	2804	1.14	22895	73.47	1022
3	Zhejiang University	2855	1.09	22121	75.45	1128
4	Huazhong University of Science & Technology	2284	1.57	21614	75.35	941
5	Southeast University - China	2073	1.72	20990	72.74	765
6	Xidian University	2755	1.11	17839	70.31	853
7	Beijing University of Posts & Telecommunications	2725	1.02	16203	64.48	836
8	Harbin Institute of Technology	1808	1.57	14309	71.96	613
9	Xi'an Jiaotong University	1565	1.3	14143	73.23	496
10	University of Electronic Science & Technology of China	2051	1.16	13816	66.89	773
11	University of Science & Technology of China	1464	1.26	13310	74.11	566
12	Dalian University of Technology	1576	1.29	13189	73.67	548
13	Peking University	1505	1.15	11596	74.29	597
14	Beihang University	1896	0.99	11564	70.57	692
15	Nanjing University	1053	1.24	10046	72.84	440
16	Northeastern University - China	1156	1.42	9603	71.19	308
17	Sun Yat Sen University	1089	1.15	9072	71.35	329

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
18	Wuhan University	1257	1.6	8541	69.05	475
19	Tongji University	1079	1.39	8532	76.55	426
20	Beijing Jiaotong University	1390	0.87	8024	67.48	490
21	National University of Defence Technology - China	1630	0.72	7888	65.77	509
22	Nanjing University of Information Science & Technology	703	4.41	7841	58.89	301
23	Central South University	820	2.27	7607	74.02	332
24	University of Chinese Academy of Sciences, CAS	1290	0.74	7001	65.58	342
25	South China University of Technology	918	1.37	6786	70.48	276
26	Nanjing University of Science & Technology	850	1.31	6459	74.94	188
27	Southwest Jiaotong University	707	1.4	6431	75.11	317
28	Hunan University	859	1.3	6296	72.29	296
29	Fudan University	831	0.82	5590	71.96	358
30	Shandong University	932	0.95	5558	69.64	334
31	Shanghai University	651	1.55	5515	71.43	196
32	Sichuan University	687	1.8	5447	71.03	187
33	Shenzhen University	690	2.1	5217	69.28	224
34	Beijing Institute of Technology	1050	0.99	5192	64.76	318
35	Chongqing University	796	1.11	5086	68.09	246
36	Nanjing University of Aeronautics & Astronautics	830	1.04	5012	69.76	215
37	Northwestern Polytechnical University	762	1.61	4984	70.21	340
38	Tianjin University	919	1.34	4722	66.05	317
39	Xiamen University	658	1.52	4696	65.65	290
40	Nanjing University of Posts & Telecommunications	851	1.29	4642	64.51	248
41	PLA University of Science & Technology	601	1.14	4370	62.4	106
42	Hefei University of Technology	513	1.44	3955	72.71	279
43	China University of Geosciences	495	1.81	3912	71.92	271
44	Hohai University	496	1.52	3820	71.37	179
45	University Town of Shenzhen	635	1.01	3681	67.09	217



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	Hangzhou Dianzi University	505	1.76	3607	69.5	177
47	East China Normal University	463	0.93	3160	67.39	207
48	University of Science & Technology Beijing	555	1.55	3159	65.41	144
49	Guangdong University of Technology	357	2.42	3099	71.15	133
50	Donghua University	278	1.55	3023	71.22	112
51	Suzhou University	463	0.86	2915	70.41	171
52	Dalian Maritime University	301	1.34	2553	74.42	114
53	Liaoning University of Technology	125	6.35	2528	91.2	8
54	Jilin University	539	0.66	2476	60.67	170
55	Chongqing University of Arts & Sciences	45	4.95	2456	97.78	2
56	Beijing University of Technology	498	0.78	2428	66.27	151
57	Fuzhou University	282	1.24	2410	71.28	96
58	Yangzhou University	220	2.79	2403	71.36	121
59	North China Electric Power University	252	1.35	2359	66.27	63
60	Liaocheng University	100	2.29	2352	76	25
61	Nanjing Normal University	200	1.83	2320	80	87
62	Zhejiang University of Technology	364	1.22	2297	66.21	118
63	Anhui University	308	1.39	2215	70.45	102
64	Beijing Normal University	313	1.21	2196	76.36	112
65	Jiangnan University	286	1.1	2176	70.98	88
66	East China University of Science & Technology	320	1.73	2155	72.5	79
67	Yanshan University	350	1	2153	70.29	74
68	Shanxi University	178	2.05	2126	79.21	15
69	Southwest University - China	319	2.01	2108	73.98	174
70	Bohai University	129	5.76	2073	80.62	36
71	China University of Mining & Technology	424	1.25	1990	64.86	96
72	Hebei University	163	1.3	1875	73.01	14
73	Harbin Engineering University	379	1.48	1866	60.16	124
74	China Agricultural University	193	1.23	1821	76.17	47
75	Qingdao University	148	2.46	1804	70.27	48
76	Zhejiang Normal University	171	1.4	1778	76.02	64
77	Zhejiang Gongshang University	235	1.19	1763	70.64	93

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
78	<b>China University of Petroleum</b>	319	1.45	1697	65.52	118
79	Nankai University	284	1.14	1654	69.01	99
80	Wuhan University of Technology	316	0.82	1638	60.44	97
81	Chongqing University of Posts & Telecommunications	382	0.94	1625	58.12	124
82	Renmin University of China	321	0.74	1605	71.34	152
83	Shaanxi Normal University	253	1.11	1549	63.24	61
84	Fujian Normal University	266	1.29	1490	68.05	139
85	Lanzhou University	179	0.98	1342	66.48	69
86	Guangzhou University	240	1.41	1325	62.5	96
87	Xi'an Jiaotong-Liverpool University	128	1.51	1292	64.84	71
88	Chongqing Jiaotong University	86	2.45	1271	74.42	26
89	Guangxi University	184	0.86	1229	61.41	37
90	Zhengzhou University	228	0.88	1208	65.79	68
91	Ningbo University	181	0.94	1177	69.06	65
92	Xi'an University of Posts & Telecommunications	126	1.41	1169	68.25	43
93	Jiangxi University of Finance & Economics	162	1.61	1165	72.84	58
94	University of Shanghai for Science & Technology	176	1.72	1144	63.64	76
95	Shanghai Maritime University	198	1.34	1141	65.15	57
96	Zhejiang Ocean University	63	2.16	1138	84.13	3
97	Jiangsu University	248	0.89	1104	63.71	70
98	<b>Shandong University of Finance &amp; Economics</b>	152	1.32	1085	63.82	21
99	<b>Qufu Normal University</b>	123	1.91	1061	72.36	26
100	Changsha University of Science & Technology	145	1.41	1040	64.14	51
101	MinNan Normal University	96	1.79	1040	84.38	4
102	Shenyang Aerospace University	91	1.01	1035	68.13	17
103	Beijing University of Chemical Technology	114	2.09	1013	71.93	43
104	Central China Normal University	219	0.83	1008	67.12	85
105	Guilin University of Electronic Technology	288	1.46	1001	58.68	92

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
106	Xinjiang University	126	1.1	970	76.98	30
107	Liaoning Normal University	124	0.97	952	77.42	15
108	Zhejiang Sci-Tech University	119	1.17	952	70.59	46
109	Northwest University Xi'an	138	1.11	944	58.7	37
110	Jiangsu University of Science & Technology	129	1.32	911	69.77	43
111	South China Agricultural University	128	1.43	911	68.75	53
112	Northeast Normal University - China	140	1.09	885	70.71	38
113	Jinan University	221	1.22	854	61.99	73
114	Shandong University of Science & Technology	155	1.38	844	63.23	34
115	Shaoxing University	92	1.86	844	64.13	16
116	Hangzhou Normal University	167	0.73	836	62.28	56
117	Shanghai Normal University	76	1.05	811	68.42	11
118	University of Jinan	136	1.2	811	72.79	40
119	Yunnan University	147	1.19	803	76.19	25
120	Xihua University	100	1.09	777	66	35

我校计算机学科有 1 篇高被引论文，如图-16 所示：



图-16 济南大学计算机学科高被引论文

详细记录：

被引频次 6（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 ]

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