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济南大学 ESI 学科 分析报告

2007年1月1日-2017年8月31日

济南大学发展规划与学科建设处
济南大学图书馆

目录

前言	1
1 基础数据来源和统计方法	1
1.1 数据来源	1
1.2 相关介绍	1
2 山东省 ESI 学科情况	3
2.1 山东省 ESI 学科及高质量论文对比	3
2.2 山东省 ESI 学科全球排名情况	4
3 济南大学 ESI 学科现状分析	5
4 济南大学 ESI 预测趋势	7
5 济南大学 ESI 高质量论文概况	7
6 济南大学 ESI 高被引论文总体情况	8
6.1 高被引论文学科分布	8
6.2 高被引论文学院分布	9
6.3 高被引论文学院贡献度	11
6.4 高被引论文作者情况统计	12
6.5 高被引论文对比变化情况	14
7 济南大学高被引论文详细情况	18
7.1 详细数据统计表	18
7.2 济南大学前 1%学科学科现状分析	21
7.2.1 化学学科现状分析	21
7.2.2 临床医学学科现状分析	30
7.2.3 材料科学学科现状分析	40
7.2.4 工程学学科现状分析	50
7.3 济南大学未进入前 1%学科学科分析	65
7.3.1 物理学学科现状分析	65
7.3.2 生物和生物化学学科现状分析	73
7.3.3 数学学科现状分析	79
7.3.4 经济学与商学学科现状分析	85
7.3.5 农业科学学科现状分析	91
7.3.6 环境学及生态学学科现状分析	97

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/T 13745-92”）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 2017 年 11 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 2007-2017 年 8 月 31 号的 ESI 学科高被引论文进行统计分析，从而计算归纳出我校各学院及院系师生对相关 ESI 学科的贡献度。

1.2 相关介绍

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

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

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

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

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

济南大学进入 ESI 前 1% 学科的有 4 个, 分别是化学、临床医学、材料科学、工程学; 未进入前 1% 学科但有高被引论文的有 6 个, 分别是物理学、生物与生物化学、数学、经济学与商学、农业科学、环境科学与生态学。

2 山东省 ESI 学科情况

2.1 山东省 ESI 学科及高质量论文对比

在 2017 年 11 月 10 日的统计数据中 (2017 年 11 月份更新数据), 山东省共有 15 所高校涉及 17 个学科共计 50 个学科进入了 ESI 全球前 1%, 比 9 月份统计数据增加 3 所学校, 分别是青岛农业大学、齐鲁工业大学、泰山医学院。具体情况如表-1 所示。

表-1 2017 年 11 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	16	340	9
中国海洋大学	9	83	1
中国石油大学	4	113	5
济南大学	4	62	1
青岛大学	3	80	2
青岛科技大学	3	25	2
曲阜师范大学	2	53	3

高校名称	ESI 学科数量	高被引论文数量	热点论文数量
山东农业大学	2	19	1
山东科技大学	1	29	4
山东师范大学	1	19	1
聊城大学	1	18	2
青岛农业大学	1	12	1
齐鲁工业大学	1	11	1
泰山医学院	1	6	0
滨州医学院	1	1	1

2.2 山东省 ESI 学科全球排名情况

在 2017 年 11 月 10 日的统计数据中（2017 年 11 月份更新数据），山东省共有 15 所高校涉及 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-2 所示。（数据来源于 ESI）

表-2 2017 年 11 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	675	406						298							
生物及生物化学	282	764													
化学	93	767	442	431	918		557		825	881	1139			1149	
临床医学	479				1378		1512						3663		4104
计算机科学	294														
经济学与商学															
工程学	149	792	240	1141	611		1055				779	1172			

	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
环境学及生态学	593	470													
地学		247	394												
免疫学	531														
材料科学	91	580	343	581			562								
数学	85														
微生物学															
分子生物学与遗传学	543														
综合学科															
神经科学与行为科学	595														
药理学与毒理学	155	599													
物理学	238														
植物与动物科学	750	329				1157		337							
心理学与精神病学															
一般社会科学	937														
空间科学															

3 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 8 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)

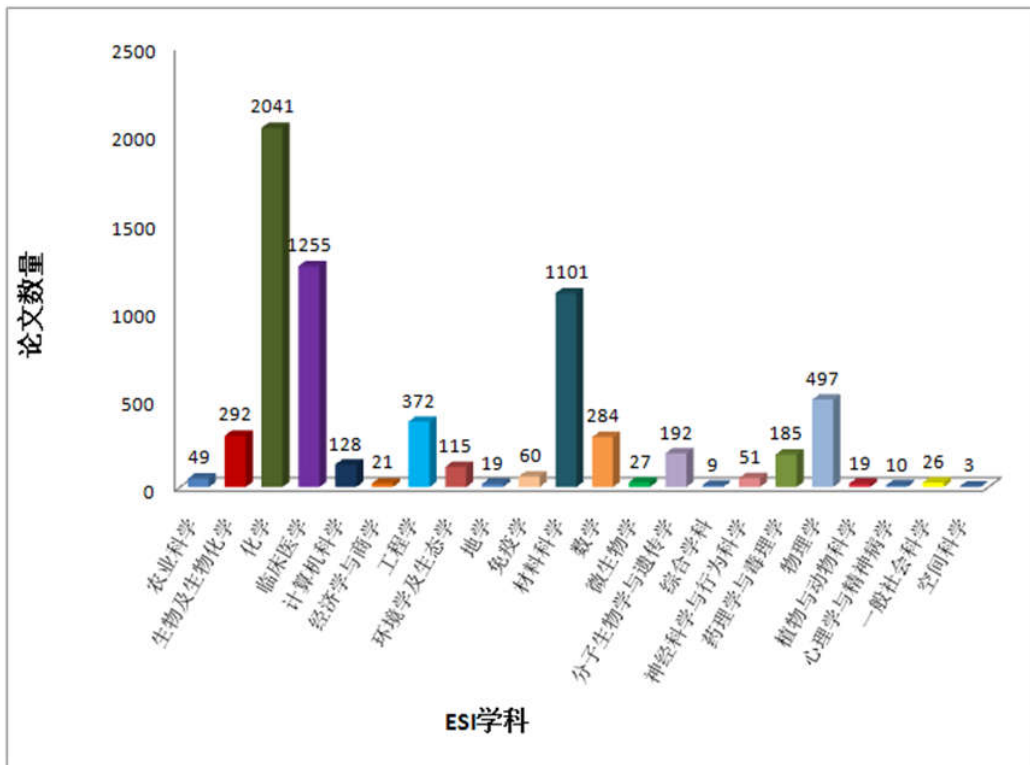


图-1 济南大学各学科的科研产出(2007-2017.08.31)

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、工程学等学科有一定的影响力,如图-2所示。(数据来源于 Incites)

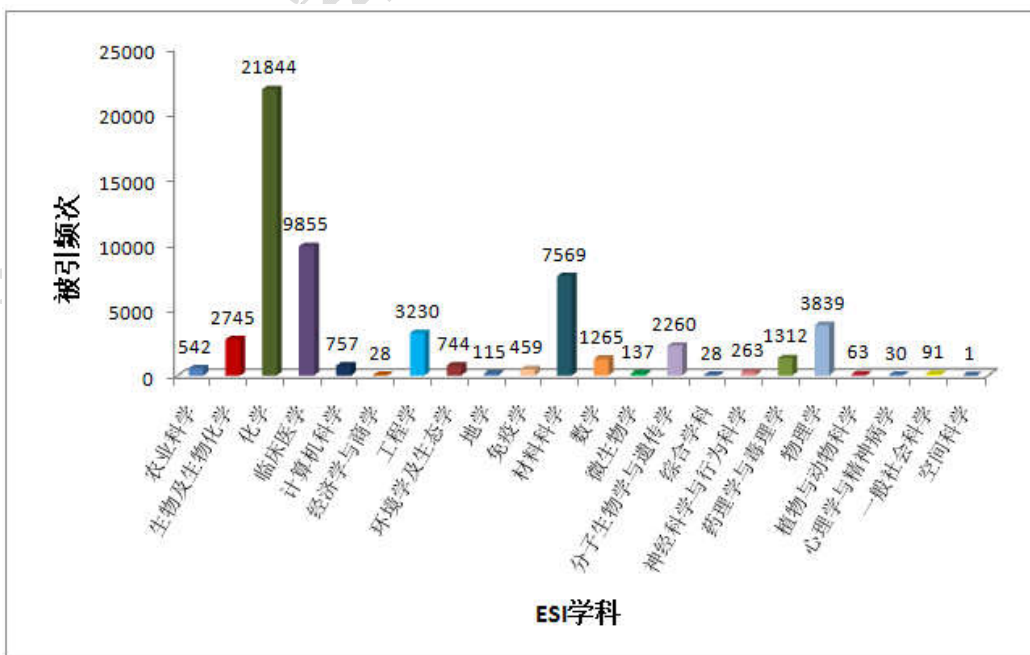


图-2 济南大学各学科论文的总被引频次(2007-2017.08.31)

4 济南大学 ESI 预测趋势

为了挖掘我校有潜力进入 ESI 的学科,报告选取了济南大学各学科的总被引频次和门槛值¹并做了比对分析,如图-3 所示。比值越接近 1 说明越有可能进入全球前 1%。可以看到除了已经进入前 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)

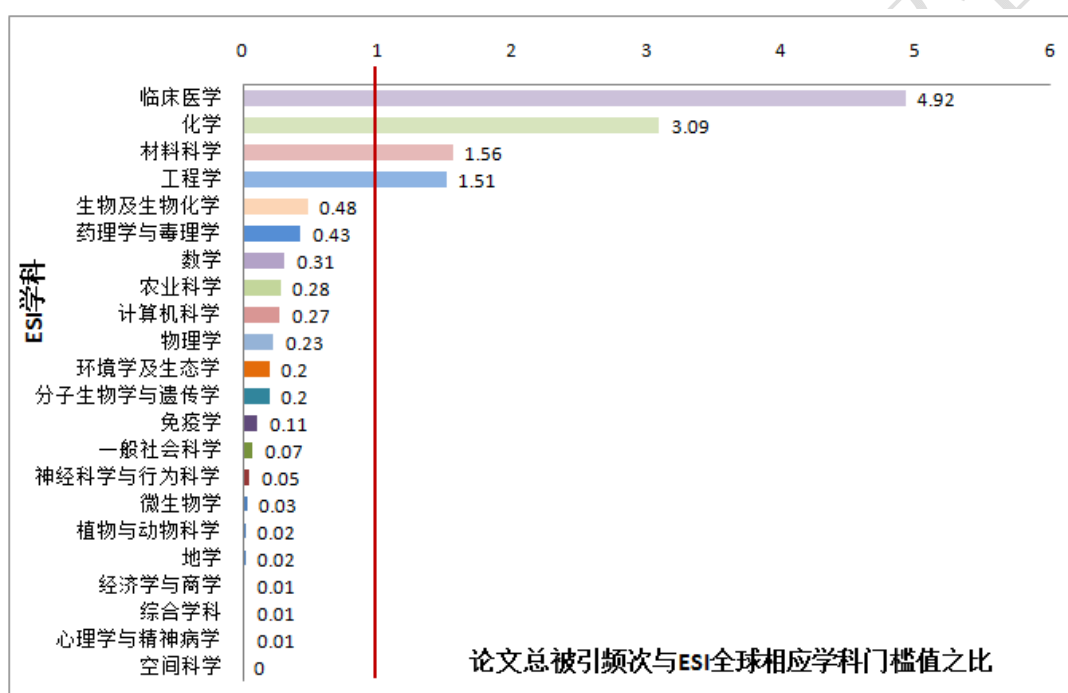


图-3 济南大学 ESI 学科趋势预测

5 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

¹门槛值,即在各 ESI 学科中,最后一个进入该学科的机构的总被引频次。

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 2017 年 11 月 10 日（2017 年 11 月份更新数据）统计结果，我校共有 62 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、经济学与商学、环境与生态学等 10 个学科中。其中被引频次最高的是我校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 327 次。

6 济南大学 ESI 高被引论文总体情况

截至到 2017 年 11 月 10 日（2017 年 11 月份更新数据），我校高被引论文共 62 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	2,035	21,343	10.49	10
2	CLINICAL MEDICINE	1,256	9,778	7.79	8
3	MATERIALS SCIENCE	1,086	7,306	6.73	9
4	ENGINEERING	370	2,925	7.91	17
0	ALL FIELDS	6,749	55,476	8.22	62

图-4 济南大学高被引论文

6.1 高被引论文学科分布

我校 62 篇高被引论文中，进入前 1% 学科的共有 44 篇，分别是 Chemistry（化学）10 篇，Clinical Medicine（临床医学）8 篇，Materials Science（材料科学）9 篇，Engineering（工程学）17 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) 7 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 篇不是济南大学文章)，Economics and Business (经济学与商学) 1 篇，Environment/Ecology (环境科学与生态学) 1 篇。如图-5 所示。

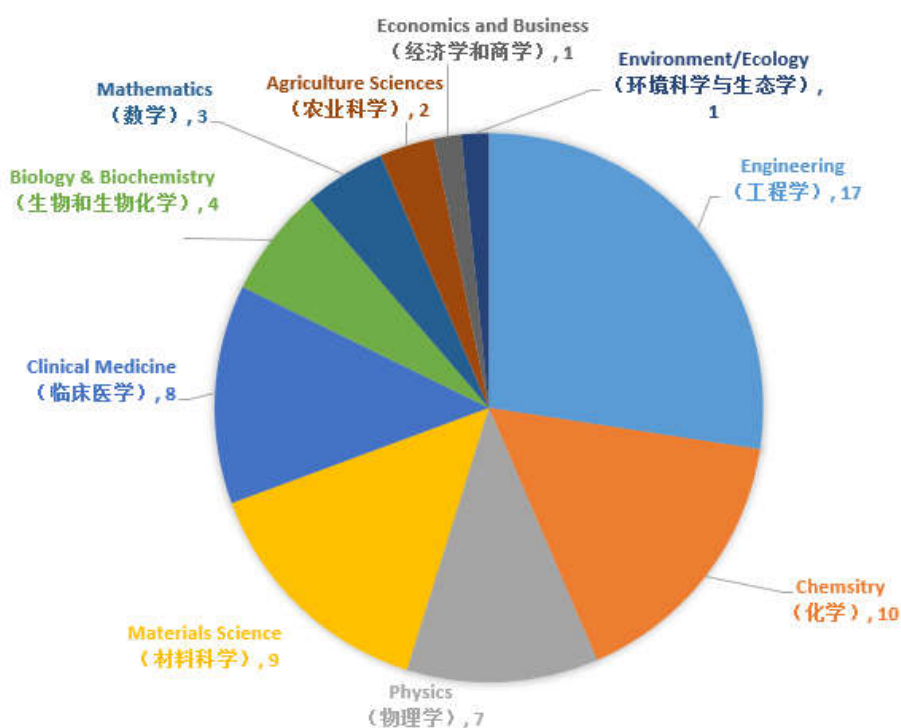


图-5 高被引论文学科分布

6.2 高被引论文学院分布

总起来说，62 篇 (去掉 1 篇非济南大学论文即 61 篇) 高被引论文分布在 9 个学院 (研究院)，其中化学化工学院 14 篇、资源与环境学院 10 篇、物理科学与技术学院 9 篇、医学与生命科学学院 10 篇、材料科学与工程学院 6 篇、光功能与成像研究院 4 篇、商学院 3 篇、数学科学学院 3 篇、信息科学与工程学院

院 1 篇、外国语学院 1 篇、其他 1 篇。如表-3 所示。各学院所占百分比如图-6 所示。

表-3 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	14
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	6
光功能材料与成像研究院	4
商学院	3
数学科学学院	3
信息科学与工程学院	1
外国语学院	1
其他	1

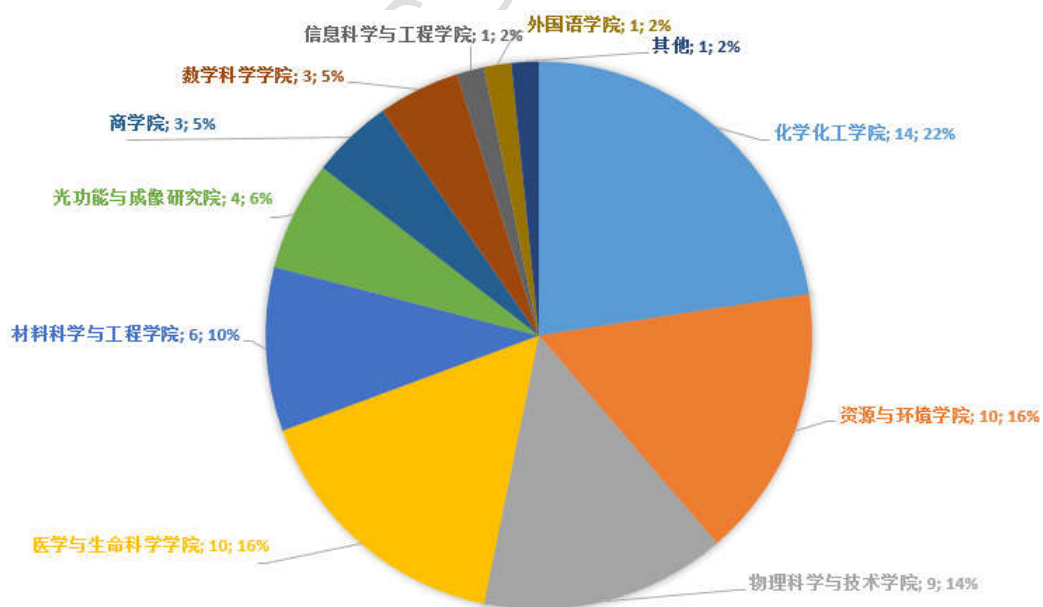


图-6 高被引论文学院分布

6.3 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 14 篇高被引论文来自 3 个学院(研究院)，材料科学 9 篇高被引论文分布在 3 个学院，工程学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，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-4 和图-7 所示。

表-4 高被引论文学院贡献度

	化学	材料科学	工程学	临床医学	生物与生物化学	数学	物理学	经济学与商学	农业科学	环境与生态科学
化学化工学院	4	4	2		2		1			1
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	4									
材料科学与工程学院	2	3	1							
数学科学学院						3				
商学院			2					1		
信息科学与工程学院			1							
外国语学院			1							
其他			1						1	

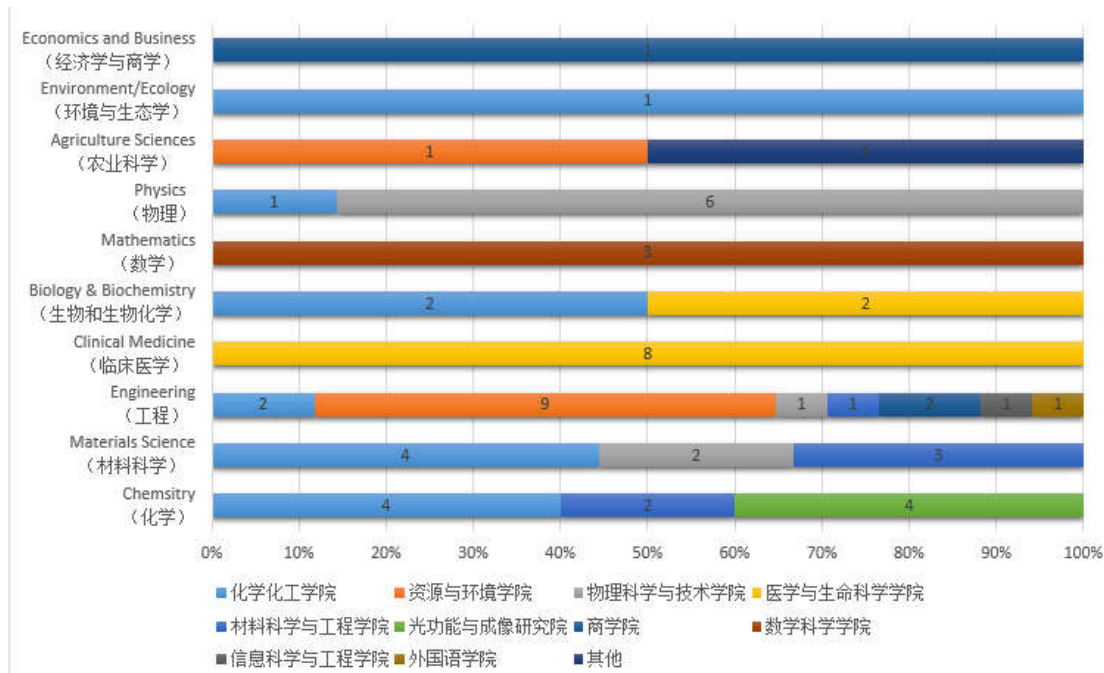


图-7 高被引论文学院贡献度

6.4 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 2 篇通讯作者是校外），我校共有 41 篇高被引论文，比 2017 年 9 月份统计数据增加 3 篇，新增通讯作者 2 位，论文来自 21 位通讯作者，数量较多的是张昌文团队、杜斌团队和林伟英团队，如表-5 所示。

表-5 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	9	罗川南	3	Fan Lulu	2
				Li Leilei	1
		于京华	3	Wang shoumei	1
				Ge Lei	1
				Zhang Yan	1
		徐彩霞	1	徐彩霞	1
		张昭良	1	李平	1
		魏琴	1	Ren Xiang	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	6	Zhang Runwu	3
				Zhao Hui	1
				Wang Yaping	2
		徐锡金	1	Zhang Shouwei	1
Li Jiaying/ 徐锡金	1	Zhang Shouwei	1		
光功能材料与成像研究院	4	林伟英	4	Tang Yonghe	2
				Chen Hua	1
				Dong Baoli	1
数学科学学院	2	孙书荣	2	Zhao Yige	2
材料科学与工程学院	2	李嘉	1	Lu Lu	1
		曹丙强	1	Qiu Xiaofeng	1
商学院	1	校外	1	Wu Jia	1
信息科学与工程学院	1	校外	1	牛四杰	1
医学与生命科学学院	4	张福仁	1	张福仁	1
		邢立刚	1	Meng XianJiao	1
		盛修贵	1	Zhang Lu	1
		于金明	1	Wang Xin	1

6.5 高被引论文对比变化情况

和我校 ESI 高被引论文 2017 年 9 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,略有变化,但基本上均保持高被引态势,如表-6 所示。

表-6 高被引论文对比变化情况

	学科	题名	来源	出版年	通讯作者	第一作者	1 月	3 月	5 月	7 月	9 月	11 月
							份数据更新被引数据	份数据更新被引数据	份数据更新被引数据	份数据更新被引数据	份数据更新被引数据	份数据更新被引数据
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		Ge Lei	165	174	177	182	184	186
		In-situ synthesized polypyrrole-cellulose conductive networks for potential tunable foldable power paper	NANO ENERGY, 2019 31 : 174-182	2017	于京华	Zhang Yan				3	6	13
	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	122	127	130	137	140	144
	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	158	165	173	180	187	192
	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	90	97	108	116	120	121
		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	75	82	91	94	98	100
	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	徐彩霞	78	83	85			
		NANOPOROUS PTCO AND PTNI ALLOY RIBBONS FOR METHANOL ELECTROOXIDATION	INT J HYDROGEN ENERG 37 (14): 10489-10498 JUL 2012	2012			56	56	60	64	67	68

	学科	题名	来源	出版年	通讯作者	第一作者	1月份数据更新被引数据	3月份数据更新被引数据	5月份数据更新被引数据	7月份数据更新被引数据	9月份数据更新被引数据	11月份数据更新被引数据
化学化工学院	CHEMISTRY (化学)	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	31	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
	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	NVIRONMENTAL SCIENCE & TECHNOLOGY 卷: 46 期: 17 页: 9600-9605	2012	张昭良	李平					104	108
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		闫良国	93	100	105	108	113	118
		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	86	90	95	97	103	107
		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	59	63	74	81	89	94
		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	24	30	41	47	54	61
		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	6	7	8	11	12	15
		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	76	80	86	87	91	93
		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	46	49	56	59	61	66

						1月份数据更新被引数据	3月份数据更新被引数据	5月份数据更新被引数据	7月份数据更新被引数据	9月份数据更新被引数据	11月份数据更新被引数据	
资源与环境学院	ENGINEERING (工程学)	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
		Adsorption of Cd(II) by Mg-Al-CO3- and magnetic Fe3O4/Mg-Al-CO3-layered double hydroxides: Kinetic, isothermal, thermodynamic and mechanistic studies	JOURNAL OF HAZARDOUS MATERIALS 卷:299 页: 42-49, 2015	2015	闫良国	Shan Ranran				25	27	30
	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
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						
		UNEXPECTED GIANT-GAP QUANTUM SPIN HALL INSULATOR IN CHEMICALLY DECORATED PLUMBENE MONOLAYER	SCI REP 6: - FEB 2 2016	2016		Zhao Hui	18	20	22	32	43	45
		FUNCTIONALIZED THALLIUM ANTIMONY FILMS AS EXCELLENT CANDIDATES FOR LARGE-GAP QUANTUM SPIN HALL INSULATOR	SCI REP 6: - FEB 17 2016	2016		Zhang Runwu	9	12	13	16	24	26
		Large-gap quantum spin Hall state in functionalized dumbbell stanene	APPLIED PHYSICS LETTERS 卷:108 期: 7 2016	2016		Wang Yaping				21	29	31
		Controllable band structure and topological phase transition in two-dimensional hydrogenated arsenene	SCI REP 6: - FEB 3 2016	2016		Wang, Yaping	9	11	15	19	25	29
		ROOM TEMPERATURE QUANTUM SPIN HALL INSULATOR IN ETHYNYL-DERIVATIVE FUNCTIONALIZED STANENE FILMS	SCI REP 6: - JAN 5 2016	2016		Zhang Runwu	8	10	11			
	MATERIALS SCIENCES (材料科学)	Formation of Fe3O4@MnO2 ball-in-ball hollow spheres as a high performance catalyst with enhanced catalytic performances	JOURNAL OF MATERIALS CHEMISTRY A 卷: 4 期: 4 页: 1414-1422	2016		徐锡金	Zhang ShouWei		11	22	24	31
	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		张昌文	Zhang Runwu		9	12	18	25	26	
ENGINEERING (工程学)	Rice husks as a sustainable silica source for hierarchical flower-like metal silicate architectures assembled into ultrathin	JOURNAL OF HAZARDOUS MATERIALS 卷: 321 页: 92-102	2017	李家兴	Zhang ShouWei					4	8	

							1月份数据更新被引数据	3月份数据更新被引数据	5月份数据更新被引数据	7月份数据更新被引数据	9月份数据更新被引数据	11月份数据更新被引数据
	学科	题名	来源	出版年	通讯作者	第一作者						
		nanosheets for adsorption and catalysis			/徐锡金							
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	47	52	54	54	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
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	43	49	54	67	74	84
		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	10	13	16	19	26	30
		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	9	10	13	25	36	41
		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
材料科学与工程学院	ENGINEERING (工程学)	A hierarchically porous MgFe ₂ O ₄ /gamma-Fe ₂ O ₃ magnetic microspheres for efficient removals of dye and pharmaceutical from water	CHEMICAL ENGINEERING JOURNAL 卷: 283 页: 524-534	2016	李嘉	LU LU			7	9	12	14
	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 Qij		9				
		From unstable CsSnI ₃ to air-stable Cs ₂ SnI ₆ : A lead-free perovskite solar cell light absorber with bandgap of 1.48 eV and high absorption coefficient	SOLAR ENERGY MATERIALS AND SOLAR CELLS 2017 年, 卷: 159 页: 227-234	2017		Qiu Xiaofeng					3	8

						1月份数据更新被引数据	3月份数据更新被引数据	5月份数据更新被引数据	7月份数据更新被引数据	9月份数据更新被引数据	11月份数据更新被引数据	
	学科	题名	来源	出版年	通讯作者	第一作者						
商学院	Economics & Business (经济学与商业学)	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	
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	295	303	310	319	321	327
		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
		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
		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

7 济南大学高被引论文详细情况

7.1 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-7 所示。

表-7 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	非	非		
						讯	讯	讯	通	通	通	通	通	通	通	通		
						作	作	作	作	作	作	作	作	作	作	作		
						者	者	者	者	者	者	者	者	者	者	者		
						第	第	第	第	第	第	第	第	第	第	第		
						1	2	4	1	2	3	4	7	9	13			
						单	单	单	单	单	单	单	单	单	单	单		
						位	位	位	位	位	位	位	位	位	位	位		
进入前1%学科	CHEMISTRY (化学)	10	1	313	化学化工学院					√								
			2	233	化学化工学院					√								
			3	188	材料科学与工程学院					√								
			4	144	化学化工学院	√												
			5	84	光功能材料与成像研究院	√												
			6	41	光功能材料与成像研究院	√												
			7	30	光功能材料与成像研究院	√												
			8	29	光功能材料与成像研究院	√												
			9	28	化学化工学院						√							
			10	6	材料科学与工程学院							√						
	Clinical Medicine (临床医学)	8	1	327	医学与生命科学学院	√												
			2	234	医学与生命科学学院												√	
			3	122	医学与生命科学学院										√			
			4	66	医学与生命科学学院	√												
			5	52	医学与生命科学学院-肿瘤医院	√												
			6	35	医学与生命科学学院		√											
			7	20	医学与生命科学学院	√												
			8	5	医学与生命科学学院							√						
	Materials Science (材料科学)	9	1	186	化学化工学院	√												
			2	109	化学化工学院					√								
			3	81	材料科学与工程学院					√								
			4	38	物理科学与技术学院	√												
			5	30	材料科学与工程学院						√							
			6	26	物理科学与技术学院	√												
			7	15	材料科学与工程学院	√												
			8	13	化学化工学院	√												
			9	5	化学化工学院	√												
	Engineering (工程学)	17	1	192	化学化工学院	√												
			2	118	资源与环境学院	√												
			3	107	资源与环境学院	√												
4			94	资源与环境学院	√													
5			93	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	通	通	非	非	非	非	非	非	非	非					
						讯作者第1单位	讯作者第2单位	讯作者第4单位	讯作者第1单位	讯作者第2单位	讯作者第3单位	讯作者第4单位	讯作者第7单位	讯作者第9单位	讯作者第13单位						
			6	73	商学院			√													
			7	69	商学院					√											
			8	68	化学化工学院	√															
			9	66	资源与环境学院	√															
			10	61	资源与环境学院	√															
			11	48	资源与环境学院	√															
			12	30	资源与环境学院	√															
			13	15	资源与环境学院	√															
			14	14	材料科学与工程学院	√															
			15	9	外国语学院						√										
			16	8	物理科学与技术学院	√															
			17	4	信息科学与工程学院						√										
			未进入前1%学科	Physics (物理学)	7	1	73	物理科学与技术学院					√								
						2	56	化学化工学院								√					
						3	52	物理科学与技术学院	√												
						4	45	物理科学与技术学院	√												
						5	31	物理科学与技术学院	√												
6	29	物理科学与技术学院				√															
7	26	物理科学与技术学院				√															
Biology & Biochemistry (生物与生物化学)	4	1		160	医学与生命科学学院-山东省肿瘤医院								√								
		2		121	化学化工学院	√															
		3		100	化学化工学院	√															
		4		81	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		45	数学科学学院	√															
(经济学与商学)	1	1		3	商学院				√												
Agriculture Sciences (农业科学)	2	1		65	不是济南大学文章																
		2		24	资源与环境学院	√															
(环境学与生态学)	1	1	108	化学化工学院	√																

7.2 济南大学前 1%学科学科现状分析

7.2.1 化学学科现状分析

化学学科 2017 年 11 月国内高校 ESI 排名如表-8 所示。可以看出排在前 10 位的高校分别是中国科学院大学、浙江大学、清华大学、南京大学、北京大学、中国科学技术大学、复旦大学、吉林大学、南开大学和华东理工大学。在表-8 中，排名第 1 位的中国科学院大学至排名第 120 位的曲阜师范大学，其化学学科都进入了 ESI 的前 1%行列。我校的化学学科按照 ESI 总被引频次在国内高校排名第 56 位，省内高校第 4 位。

表-8 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	18103	1.34	306689	84.83	1762
2	Zhejiang University	12837	1.18	208777	86.33	2061
3	Tsinghua University	10388	1.47	200310	85.79	1820
4	Nanjing University	9584	1.39	175529	88	1625
5	Peking University	8704	1.45	172713	87.49	1786
6	University of Science & Technology of China	8655	1.55	168732	85.62	1710
7	Fudan University	7394	1.44	154226	88.06	1423
8	Jilin University	11703	1.03	152713	82.83	1647
9	Nankai University	7754	1.46	152116	87.76	931
10	East China University of Science & Technology	8594	1.23	135487	85.71	1637
11	Dalian University of Technology	6196	1.31	108142	85.39	1356
12	Sichuan University	9595	0.93	108074	82.26	1044
13	Xiamen University	5777	1.42	105367	86.12	1297
14	Wuhan University	5183	1.46	97998	87.21	756
15	Sun Yat Sen University	5178	1.45	95979	87.39	835
16	South China University of Technology	6621	1.31	95678	83.85	1161
17	Shandong University	7543	1.01	94693	83.47	1144

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	Lanzhou University	5260	1.36	88807	87.98	484
19	Shanghai Jiao Tong University	6033	1.13	88021	85.33	1246
20	Tianjin University	7247	1.04	84867	80.72	1083
21	Suzhou University	5612	1.35	84545	85.83	1103
22	Beijing University of Chemical Technology	6414	1	78622	84.3	947
23	Hunan University	4237	1.52	73262	86.33	593
24	Fuzhou University	3371	1.6	63888	84.6	386
25	Northeast Normal University - China	3736	1.17	62758	86.48	288
26	East China Normal University	3457	1.37	57936	87.45	630
27	Harbin Institute of Technology	4761	1.07	55493	80.11	1001
28	Huazhong University of Science & Technology	3861	1.3	52997	83.5	859
29	Beijing Institute of Technology	4100	0.96	46319	80.05	683
30	Wuhan University of Technology	1891	2.02	46116	81.23	592
31	Southeast University - China	4097	0.99	45393	77.74	567
32	Central China Normal University	2203	1.42	43293	84.75	297
33	Nanjing University of Technology	4112	0.96	41518	77.85	622
34	Xi'an Jiaotong University	3554	1.08	41225	79.4	795
35	Tongji University	2971	1.15	39038	83.98	510
36	Shanghai University	2908	1.18	38080	80.71	496
37	Central South University	3855	0.99	37069	82.57	592
38	Zhengzhou University	3673	0.9	36653	80.97	379
39	Southwest University - China	2811	1.12	34450	83.74	257
40	Donghua University	2533	1.08	34178	83.1	533
41	Beijing Normal University	2645	0.99	31612	84.16	561
42	Northwest University Xi'an	2918	0.93	31580	83.34	363
43	University of Science & Technology Beijing	2626	1.1	30792	80.65	512
44	Nanjing University of Science & Technology	2877	0.96	30408	79.7	327
45	Qingdao University of Science & Technology	2636	0.88	29558	80.12	178
46	Zhejiang University of Technology	3247	0.78	28403	77.83	374
47	China University of Petroleum	3190	0.88	28398	75.64	560
48	Jiangsu University	2635	1.22	26796	79.89	338
49	Beihang University	1998	1.22	25502	79.23	344
50	Jiangnan University	2841	0.87	25114	79.27	492
51	China Pharmaceutical University	2700	0.79	23535	82.19	307
52	Anhui Normal University	1327	1.29	22909	87.64	88
53	University Town of Shenzhen	1699	1.42	22801	81.64	311
54	South China Normal University	2110	0.87	22511	83.84	444

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	Chongqing University	2493	1.06	22104	74.81	452
56	University of Jinan	2041	1.15	21844	80.16	186
57	Xiangtan University	1829	1.01	20725	82.45	219
58	Shaanxi Normal University	2237	0.9	20636	80.42	259
59	Harbin Engineering University	1046	1.41	19994	83.56	158
60	Yangzhou University	1690	1.08	19488	81.12	236
61	China Agricultural University	2207	0.67	19396	76.03	332
62	Henan Normal University	1751	0.89	19134	82.47	189
63	Zhejiang Normal University	1489	1.09	18592	81.93	187
64	Nanjing Normal University	1205	1.25	18082	83.73	143
65	Henan University	1882	0.81	17947	82.31	171
66	Nanjing University of Posts & Telecommunications	921	1.53	17875	80.46	140
67	Nanchang University	1775	0.93	17389	81.18	271
68	Shanghai Normal University	892	1.37	16694	85.54	121
69	Wenzhou University	1162	1.09	16597	82.96	150
70	Northeastern University - China	1592	0.81	16071	76.88	270
71	Hunan Normal University	1084	1.12	15766	86.16	113
72	Hefei University of Technology	1505	0.98	15615	77.87	227
73	Jinan University	1674	0.88	15375	80.41	193
74	Jiangxi Normal University	1253	1.18	15351	81.4	109
75	Heilongjiang University	1373	1.06	15286	78.3	178
76	Shanxi University	1542	1.01	15274	78.02	213
77	Zhejiang Sci-Tech University	1222	1.18	15241	82.57	266
78	Northwestern Polytechnical University	1699	0.99	15149	79.99	300
79	China University of Geosciences	1529	1.07	15124	77.37	356
80	Beijing University of Technology	1310	1.06	15111	78.4	210
81	Ocean University of China	1667	0.82	14910	80.86	211
82	Nanjing University of Aeronautics & Astronautics	1026	1.22	14729	81.19	202
83	Northwest Normal University - China	1587	0.85	13617	81.16	81
84	Hangzhou Normal University	1107	1.02	13291	83.83	160
85	Changzhou University	1482	1.02	12766	76.59	164
86	Hubei University	1070	1.04	12727	83.55	220
87	Anhui University	1285	0.94	12619	76.34	128
88	Shandong Normal University	1171	0.99	12607	79.59	111
89	Guangxi Normal University	1186	0.83	12503	79.93	107

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
90	Jiangsu Normal University	1213	0.94	12025	76.5	128
91	Hebei University	1584	0.6	11764	75.38	78
92	Liaocheng University	1573	0.59	11691	78.45	77
93	Shenyang Pharmaceutical University	1626	0.59	11658	81.3	223
94	Tianjin Normal University	923	0.93	11581	79.52	43
95	Huaqiao University	784	1.18	11094	82.91	67
96	Qingdao University	999	1.08	10874	77.58	256
97	Huazhong Agricultural University	914	0.98	10648	81.29	127
98	South Central University for Nationalities	810	1.18	10527	81.11	104
99	Renmin University of China	692	1.32	10393	86.56	122
100	Yunnan University	1024	0.8	9966	79.39	93
101	Taiyuan University of Technology	1550	0.73	9621	74.45	222
102	Tianjin Polytechnic University	1281	0.75	9561	76.19	136
103	Capital Normal University	1096	0.91	9487	76.92	85
104	Liaoning Normal University	1109	0.58	9092	80.43	60
105	Northwest A&F University - China	1119	0.78	8921	78.55	235
106	Second Military Medical University	957	0.66	8548	83.8	104
107	University of Electronic Science & Technology of China	1128	0.83	8441	75.27	262
108	Hebei Normal University	822	0.77	8372	81.87	79
109	China University of Mining & Technology	1347	0.7	8350	72.61	264
110	Luoyang Normal University	1120	0.57	8298	64.11	55
111	Northeast Forestry University - China	859	0.84	8253	80.09	139
112	Ningbo University	1203	0.8	8208	76.81	132
113	Fujian Normal University	975	0.85	8159	76.82	96
114	Guizhou University	1070	0.79	8125	74.95	216
115	Liaoning University	917	0.71	7906	80.59	91
116	Wenzhou Medical University	540	1.14	7851	78.89	89
117	Xinjiang University	973	0.69	7634	76.26	93
118	Huaibei Normal University	492	1.41	7609	80.49	21
119	Hebei University of Technology	1039	0.69	7575	75.55	135
120	Qufu Normal University	893	1.27	7482	76.71	82

我校化学学科共有 10 篇高被引论文，如图-8 所示：

1	SYNTHESIS OF FUNCTIONALIZED 3D HIERARCHICAL POROUS CARBON FOR HIGH-PERFORMANCE SUPERCAPACITORS	Times Cited: 313
	By: QIE, L; CHEN, WM; XU, HH; et.al Source: ENERGY ENVIRON SCI 6 (8): 2497-2504 AUG 2013 Research Fields: CHEMISTRY	
2	HIGH-PERFORMANCE BI-FUNCTIONAL ELECTROCATALYSTS OF 3D CRUMPLED GRAPHENE-COBALT OXIDE NANOHYBRIDS FOR OXYGEN REDUCTION AND EVOLUTION REACTIONS	Times Cited: 233
	By: MAO, S; WEN, ZH; HUANG, TZ; et.al Source: ENERGY ENVIRON SCI 7 (2): 609-616 FEB 2014 Research Fields: CHEMISTRY	
3	GENERALIZED FABRICATION OF NANOPOROUS METALS (AU, PD, PT, AG, AND CU) THROUGH CHEMICAL DEALLOYING	Times Cited: 188
	By: ZHANG, ZH; WANG, Y; QI, Z; et.al Source: J PHYS CHEM C 113 (29): 12629-12636 JUL 23 2009 Research Fields: CHEMISTRY	
4	PAPER-BASED CHEMILUMINESCENCE ELISA: LAB-ON-PAPER BASED ON CHITOSAN MODIFIED PAPER DEVICE AND WAX-SCREEN-PRINTING	Times Cited: 144
	By: WANG, SM; GE, L; SONG, XR; et.al Source: BIOSENS BIOELECTRON 31 (1): 212-218 JAN 15 2012 Research Fields: CHEMISTRY	Research Front
5	DEVELOPMENT OF FLUORESCENT PROBES BASED ON PROTECTION-DEPROTECTION OF THE KEY FUNCTIONAL GROUPS FOR BIOLOGICAL IMAGING	Times Cited: 84
	By: TANG, YH; LEE, DY; WANG, JL; et.al Source: CHEM SOC REV 44 (15): 5003-5015 2015 Research Fields: CHEMISTRY	
6	DEVELOPMENT OF A TWO-PHOTON FLUORESCENT PROBE FOR IMAGING OF ENDOGENOUS FORMALDEHYDE IN LIVING TISSUES	Times Cited: 41
	By: TANG, YH; KONG, XQ; XU, A; et.al Source: ANGEW CHEM INT ED 55 (10): 3356-3359 MAR 1 2016 Research Fields: CHEMISTRY	
7	SINGLE NEAR-INFRARED FLUORESCENT PROBE WITH HIGH- AND LOW-SENSITIVITY SITES FOR SENSING DIFFERENT CONCENTRATION RANGES OF BIOLOGICAL THIOLS WITH DISTINCT MODES OF FLUORESCENCE SIGNALS	Times Cited: 30
	By: CHEN, H; TANG, YH; REN, MG; et.al Source: CHEM SCI 7 (3): 1896-1903 2016 Research Fields: CHEMISTRY	Research Front
8	DUAL SITE-CONTROLLED AND LYSOSOME-TARGETED INTRAMOLECULAR CHARGE TRANSFER-PHOTOINDUCED ELECTRON TRANSFER-FLUORESCENCE RESONANCE ENERGY TRANSFER FLUORESCENT PROBE FOR MONITORING PH CHANGES IN LIVING CELLS	Times Cited: 29
	By: DONG, BL; SONG, XZ; WANG, C; et.al Source: ANAL CHEM 88 (7): 4085-4091 APR 5 2016 Research Fields: CHEMISTRY	
9	AN EFFICIENT METAL- AND SOLVENT-FREE ORGANOCATALYTIC SYSTEM FOR CHEMICAL FIXATION OF CO₂ INTO CYCLIC CARBONATES UNDER MILD CONDITIONS	Times Cited: 28
	By: WANG, L; ZHANG, GY; KODAMAA, K; et.al Source: GREEN CHEM 18 (5): 1229-1233 2016 Research Fields: CHEMISTRY	Research Front
10	HIGHLY ACTIVE TiO₂/G-C₃N₄/G PHOTOCATALYST WITH EXTENDED SPECTRAL RESPONSE TOWARDS SELECTIVE REDUCTION OF NITROBENZENE	Times Cited: 6
	By: ZHANG, LQ; HE, X; XU, XW; et.al Source: APPL CATAL B-ENVIRON 203: 1-8 APR 2017 Research Fields: CHEMISTRY	

图-8 济南大学化学学科高被引论文

详细记录：

1.被引频次 313 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

作者信息

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

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

文献信息

文献类型:Article

语种:English

入藏号: WOS:000321983800023

ISSN: 1754-5692

eISSN: 1754-5706

2.被引频次 233（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

类别 / 分类

文献信息

文献类型:Article

语种:English

入藏号: WOS:000331413700008

ISSN: 1754-5692 eISSN: 1754-5706

3.被引频次 188 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

作者信息

通讯作者地址: Zhang, ZH (通讯作者)

Shandong Univ, Key Lab Liquid Solid Struct Evolut & Proc Mat, Sch Mat Sci & Engn, Minist Educ, Jingshi Rd 73, Jinan 250061, Peoples R China.

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

电子邮件地址:zh_zhang@sdu.edu.cn

文献类型:Article

语种:English

入藏号: WOS:000268139800004

ISSN: 1932-7447

4.被引频次 144 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

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文献信息

文献类型:Article

语种:English

入藏号: WOS:000300468400033

PubMed ID: 22051546 ISSN: 0956-5663

5.被引频次 84 (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

作者信息

通讯作者地址: Lin, WY (通讯作者)

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

文献信息

文献类型:Review

语种:English

入藏号: WOS:000358219300002

PubMed ID: 25971860

ISSN: 0306-0012 eISSN: 1460-4744

6.被引频次 41 (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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文献信息

文献类型:Article 语种:English

入藏号: WOS:000371418200022

ISSN: 1433-7851 eISSN: 1521-3773

7.被引频次 30 (济南大学是第 1 作者和通讯作者单位, 光功能材料与成像研究院)

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

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

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

DOI: 10.1039/c5sc03591k

出版年: 2016

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.

通讯作者地址: Lin, WY (通讯作者)

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电子邮件地址:Weiyinglin2013@163.com

文献信息

文献类型:Article 语种:English

入藏号: WOS:000371021900031

ISSN: 2041-6520 eISSN: 2041-6539

8.被引频次 29 (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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研究方向:Chemistry

Web of Science 类别:Chemistry, Analytical

文献信息

文献类型:Article 语种:English

9.被引频次 28 (济南大学是第 2 作者单位, 化学化工学院)

An efficient metal- and solvent-free organocatalytic system for chemical fixation of CO₂ into cyclic carbonates under mild conditions

作者:Wang, L (Wang, Lin)[1]; Zhang, GY (Zhang, Guangyou)[2]; Kodamaa, K (Kodamaa, Koichi)[1]; Hirose, T (Hirose, Takuji)[1]

GREEN CHEMISTRY 卷: 18 期: 5 页: 1229-1233

DOI: 10.1039/c5gc02697k

出版年: 2016

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

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文献信息

文献类型:Article 语种:English

入藏号:WOS:000371608100008

ISSN: 1463-9262 eISSN: 1463-9270

10.被引频次 6 (济南大学是第 3 作者单位, 材料科学与工程学院)

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

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

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

DOI: 10.1016/j.apcatb.2016.10.003

出版年: APR 2017

作者信息

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

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

[4] Chinese Acad Sci, Res Ctr Ecoenvironm Sci, State Key Lab Environm Chem & Ecotoxicol, Beijing 100085, Peoples R China

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 文献信息
 文献类型:Article 语种:English
 入藏号: WOS:000390965000001
 ISSN: 0926-3373 eISSN: 1873-3883

7.2.2 临床医学学科现状分析

临床医学 2017 年 11 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-9 中,排名第 1 位的上海交通大学至排名第 82 位的上海大学,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 41 位,省内高校第 3 位。

表-9 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	15618	1.14	177760	78.86	3595
2	Sun Yat Sen University	11863	1.13	130528	79.88	2626
3	Fudan University	11665	1.16	127126	78.89	2786
4	Peking University	10174	1.13	116789	79.49	3040
5	Zhejiang University	8913	0.91	78856	75.69	1628
6	Capital Medical University	9590	0.87	76821	73.33	2371
7	Sichuan University	8602	0.84	68156	76.37	1573
8	Nanjing Medical University	7026	1.06	65225	77.6	1260
9	Huazhong University of Science & Technology	7382	0.87	61728	78.29	1732
10	Second Military Medical University	5261	1.08	60756	81.7	924
11	Shandong University	7177	0.86	56716	75.32	1353
12	Central South University	5902	1.07	52844	75.52	1259
13	Fourth Military Medical University	4646	1.06	52410	83.21	999
14	China Medical University	5191	0.84	41463	77.9	970
15	Tianjin Medical University	4381	1.05	40942	75.28	1056
16	Nanjing University	3809	1.19	40710	78	740

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	4754	1.02	39045	73.94	858
18	Harbin Medical University	3951	1.01	37329	78.54	890
19	Third Military Medical University	3837	0.99	36725	79.44	708
20	Wuhan University	4250	1.01	35033	77.55	846
21	Tongji University	3980	1.08	34240	76.28	888
22	Suzhou University	3729	0.96	30905	74.63	721
23	Chongqing Medical University	3434	1.07	29940	76.06	677
24	Xi'an Jiaotong University	3813	0.9	29309	74.22	820
25	Zhengzhou University	3747	0.86	23394	69.42	735
26	Wenzhou Medical University	3405	0.82	22599	70.07	857
27	Jilin University	3535	0.81	22200	68.66	873
28	Anhui Medical University	2611	0.94	20332	74.84	504
29	Guangzhou Medical University	2553	1.02	19312	74.07	465
30	Southeast University - China	1747	1.09	16199	76.99	395
31	Guangxi Medical University	2045	0.89	15704	74.23	300
32	Fujian Medical University	2186	0.74	13541	70.91	331
33	Tsinghua University	1292	1	12514	75.93	394
34	Hebei Medical University	1953	0.75	12452	69.89	280
35	Xiamen University	1505	0.98	12336	74.88	400
36	Dalian Medical University	1588	0.88	12207	71.73	336
37	Jinan University	1536	0.82	11547	72.85	282
38	Qingdao University	1973	0.71	11332	67.76	253
39	Shantou University	986	1.13	10811	80.02	211
40	Nantong University	1539	0.85	9915	74.59	175
41	University of Jinan	1255	0.85	9855	75.54	142
42	Nanjing University of Chinese Medicine	1027	1.26	9776	68.26	216
43	Jiangsu University	1017	0.92	7671	75.52	103
44	Nanchang University	1321	0.82	7660	66.77	203
45	Lanzhou University	957	0.83	7611	74.61	210
46	Nankai University	666	1.09	7238	82.43	194
47	Shanghai University of Traditional Chinese Medicine	1130	0.84	7025	70.88	284
48	Guangdong Medical University	859	0.93	6418	76.25	152
49	University of Chinese Academy of Sciences	573	1.43	6355	80.8	165
50	Kunming Medical University	1001	0.84	5990	68.43	240
51	University of Science & Technology of China	377	1.34	5567	81.7	160
52	Xinjiang Medical University	1034	0.79	5508	65.09	163

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
53	Shanxi Medical University	755	0.83	5484	72.72	201
54	Xuzhou Medical College	961	0.79	5229	68.89	120
55	China Pharmaceutical University	501	1.11	4997	78.04	135
56	University Town of Shenzhen	525	1.11	4732	78.1	206
57	University of South China	520	1.06	4636	78.27	106
58	Ningbo University	469	1.23	4462	73.56	93
59	Beijing University of Chinese Medicine	947	0.55	4356	67.05	262
60	East China Normal University	337	1.23	4249	82.79	159
61	Guangzhou University of Chinese Medicine	901	0.6	4169	67.26	197
62	Ningxia Medical University	513	0.9	3737	73.29	97
63	Yangzhou University	527	0.92	3477	72.87	93
64	China Agricultural University	290	1.72	3466	81.38	139
65	Southwest Medical University	498	0.87	3397	66.06	98
66	Shenzhen University	507	1.04	3243	67.06	139
67	Yanbian University	376	0.87	3239	76.86	247
68	Zhejiang Chinese Medical University	581	0.71	2667	62.99	106
69	Xinxiang Medical University	514	0.83	2612	70.82	61
70	Beijing Normal University	271	0.77	2566	75.65	108
71	Hunan Normal University	320	0.8	2559	78.44	122
72	Fujian University of Traditional Chinese Medicine	429	0.7	2538	78.09	63
73	Inner Mongolia Medical University	434	0.88	2472	67.05	76
74	Shenyang Pharmaceutical University	196	1.31	2438	81.12	50
75	Harbin Institute of Technology	272	1.06	2427	81.25	112
76	Bengbu Medical College	386	0.87	2359	68.39	49
77	Binzhou Medical University	561	0.69	2350	63.28	72
78	North China University of Science & Technology	358	0.72	2272	70.67	66
79	Hangzhou Normal University	303	0.85	2243	73.27	102
80	Guangdong Pharmaceutical University	282	1.03	2226	74.82	48
81	Jinzhou Medical University	430	0.64	2161	69.3	37
82	Shanghai University	186	1.21	1675	77.42	59

我校临床医学共有 8 篇高被引论文，如图-9 所示：

1	GENOMEWIDE ASSOCIATION STUDY OF LEPROSY 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: 327
2	PREVALENCE, AWARENESS, TREATMENT, AND CONTROL OF HYPERTENSION IN RURAL AND URBAN COMMUNITIES IN HIGH-, MIDDLE-, AND LOW-INCOME COUNTRIES 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: 234
3	CARDIOVASCULAR RISK AND EVENTS IN 17 LOW-, MIDDLE-, AND HIGH-INCOME COUNTRIES 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: 122
4	THE ASSOCIATION OF HMGB1 EXPRESSION WITH CLINICOPATHOLOGICAL SIGNIFICANCE AND PROGNOSIS IN HEPATOCELLULAR CARCINOMA: A META-ANALYSIS AND LITERATURE REVIEW By: ZHANG, L; HAN, JJ; WU, HY; et.al Source: PLOS ONE 9 (10): - OCT 30 2014 Research Fields: CLINICAL MEDICINE	Times Cited: 66 Research Front
5	PREDICTIVE BIOMARKERS IN PD-1/PD-L1 CHECKPOINT BLOCKADE IMMUNOTHERAPY 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: 52
6	A FUNCTIONAL LNCRNA HOTAIR GENETIC VARIANT CONTRIBUTES TO GASTRIC CANCER SUSCEPTIBILITY By: PAN, WT; LIU, LS; WEI, JY; et.al Source: MOL CARCINOGEN 55 (1): 90-96 JAN 2016 Research Fields: CLINICAL MEDICINE	Times Cited: 35
7	PD-L1 EXPRESSION IN HUMAN CANCERS AND ITS ASSOCIATION WITH CLINICAL OUTCOMES By: WANG, X; TENG, FF; KONG, L; et.al Source: ONCOTARGETS THER 9: 5023-5039 2016 Research Fields: CLINICAL MEDICINE	Times Cited: 20
8	MIR-134 SUPPRESSES THE MIGRATION AND INVASION OF NON-SMALL CELL LUNG CANCER BY TARGETING ITGB1 By: QIN, Q; WEI, FR; ZHANG, JB; et.al Source: ONCOL REP 37 (2): 823-830 FEB 2017 Research Fields: CLINICAL MEDICINE	Times Cited: 5

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 327（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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文献信息

文献类型: Article 语种: English

入藏号: WOS:000273181300008

PubMed ID: 20018961 ISSN: 0028-4793

2.被引频次 234 (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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文献信息

文献类型:Article 语种:English

入藏号: WOS:000323885700026

PubMed ID: 24002282 ISSN: 0098-7484

3.被引频次 122 (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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Web of Science 类别:Medicine, General & Internal

文献信息

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 66 (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)

The Association of HMGB1 Expression with Clinicopathological Significance and Prognosis in Hepatocellular Carcinoma: A Meta-Analysis and Literature Review

作者:Zhang, L (Zhang, Lu)[1] ; Han, JJ (Han, Jianjun)[2] ; Wu, HY (Wu, Huiyong)[2] ; Liang, XH (Liang, Xiaohong)[3] ; Zhang, JX (Zhang, Jianxin)[2] ; Li, J (Li, Jian)[2] ; Xie, L (Xie, Li)[4] ; Xie, YF (Xie, Yinfa)[2] ; Sheng, XG (Sheng, Xiugui)[5] ; Yu, JM (Yu, Jinming)[6]

PLOS ONE 卷:9 期: 10

文献号: e110626

DOI: 10.1371/journal.pone.0110626

出版年: OCT 30 2014

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文献信息

文献类型:Review 语种:English

入藏号: WOS:000346765000018

ISSN: 1932-6203

5.被引频次 52 (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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文献信息

文献类型:Review 语种:English

入藏号: WOS:000366443100009

PubMed ID: 26589760

ISSN: 0305-7372 eISSN: 1532-1967

6.被引频次 35 (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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文献信息

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 20 (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 5 (济南大学-医学与生命科学学院是第 4 作者单位)

miR-134 suppresses the migration and invasion of non-small cell lung cancer by targeting ITGB1

作者:Qin, Q (Qin, Qin)[1,2] ; Wei, FR (Wei, Furong)[3] ; Zhang, JB (Zhang, Jianbo)[4] ; Li, BS (Li, Baosheng)[1]

ONCOLOGY REPORTS 卷: 37 期: 2 页: 823-830

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文献信息

文献类型:Article 语种:English

入藏号: WOS:000393086900020

PubMed ID: 28075475

ISSN: 1021-335X eISSN: 1791-2431

7.2.3 材料科学学科现状分析

材料科学 2017 年 11 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、吉林大学和中南大学。在表-10 中,排名第 1 位的中国科学院大学至排名第 97 位的扬州大学,其材料科学学科进入了 ESI 的前 1%行列。我校的材料科学学科按照 ESI 总被引频次在国内高校排名第 70 位,省内高校第 3 位。

表-10 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	7604	1.65	137362	83.59	834

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
2	Tsinghua University	8273	1.45	132474	80.58	1772
3	Shanghai Jiao Tong University	6531	1.29	92183	83.6	1581
4	Zhejiang University	5593	1.39	86120	83.52	1279
5	Harbin Institute of Technology	8637	0.9	83616	79.46	1623
6	Fudan University	3194	2.33	83199	87.54	813
7	University of Science & Technology of China	3888	1.75	67680	84.16	742
8	Peking University	3493	1.87	67029	84.28	848
9	Jilin University	4739	1.3	64708	84.11	780
10	Central South University	7506	0.8	59392	78.47	1146
11	South China University of Technology	4914	1.33	58729	79.55	968
12	University of Science & Technology Beijing	7522	0.72	55280	74.14	1362
13	Tianjin University	4481	1.19	50858	79.58	825
14	Huazhong University of Science & Technology	4084	1.34	50161	80.39	791
15	Suzhou University	2865	2.04	49444	83	790
16	Xi'an Jiaotong University	4854	1.11	48214	78.76	1157
17	Sichuan University	4331	1.1	47537	79.47	651
18	Dalian University of Technology	4368	1	46319	80.56	948
19	Nanjing University	2947	1.56	45545	84.22	563
20	Northwestern Polytechnical University	6001	0.83	43230	77.05	784
21	Shandong University	3682	1.14	43116	81.78	647
22	Wuhan University	2471	1.59	39396	82.19	504
23	Beihang University	3876	1.08	37475	77.73	706
24	Nankai University	1568	2.16	36094	85.14	274
25	Wuhan University of Technology	3451	1.17	35842	74.27	909
26	Sun Yat Sen University	1915	1.79	34369	85.12	398
27	Beijing University of Chemical Technology	2204	1.54	34338	84.35	408
28	East China University of Science & Technology	2053	1.38	31182	85.05	458
29	Southeast University - China	2863	1.12	30942	78.45	633
30	Tongji University	2824	1.13	30315	79.64	692
31	Xiamen University	1874	1.56	29547	81.7	567
32	Chongqing University	3701	0.93	29219	73.57	703
33	Shanghai University	2977	0.96	28270	76.59	680
34	Beijing Institute of Technology	2260	1.39	27378	77.83	474
35	Lanzhou University	1777	1.34	27183	86.1	242
36	Donghua University	2576	1.11	27101	77.45	646
37	Northeastern University - China	4429	0.6	26421	72.21	1013
38	Nanjing University of Aeronautics &	2285	1.16	25549	78.69	381

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	Hunan University	2241	1.13	23673	77.78	405
40	Nanjing University of Technology	2288	1.2	23618	77.14	533
41	Harbin Engineering University	1286	1.53	22403	80.4	141
42	Nanjing University of Science & Technology	1711	1.48	18424	78.2	409
43	Fuzhou University	991	1.76	18411	81.03	160
44	Jiangsu University	1824	0.99	16133	75	229
45	University Town of Shenzhen	1347	1.53	15048	77.36	355
46	East China Normal University	921	1.48	13934	84.04	187
47	University of Electronic Science & Technology of China	1956	1	13719	75.77	505
48	Beijing University of Technology	1745	0.75	13591	73.07	315
49	China University of Petroleum	1323	1.12	13519	75.36	284
50	Hefei University of Technology	1248	1.12	13234	78.61	217
51	Xiangtan University	1182	1.04	11854	81.22	217
52	Central China Normal University	369	2.21	11822	87.26	60
53	Southwest Jiaotong University	1347	0.93	11761	75.8	349
54	Northeast Normal University - China	640	1.68	11673	87.81	58
55	Zhengzhou University	1240	1.2	11252	77.18	238
56	Yanshan University	1749	0.77	11079	75.7	280
57	China University of Geosciences	1340	0.99	10502	75.67	251
58	Taiyuan University of Technology	1803	0.8	10132	69.61	278
59	Nanjing University of Posts & Telecommunications	494	2.31	10027	78.14	113
60	Shaanxi Normal University	912	1.19	9432	81.47	121
61	Zhejiang Sci-Tech University	867	1.02	8644	76.12	184
62	Anhui University of Technology	769	1.11	8420	77.11	100
63	Beijing Jiaotong University	837	0.98	8297	77.54	181
64	Anhui University	788	1.18	8156	79.31	81
65	Zhejiang Normal University	530	1.58	8011	89.43	81
66	Beijing Normal University	553	1.56	7888	84.63	85
67	Fourth Military Medical University	421	1.46	7739	86.7	88
68	Hubei University	745	1.12	7642	76.91	214
69	Southwest University - China	737	1.27	7571	79.1	117
70	University of Jinan	1096	0.95	7567	72.99	151
71	Zhejiang University of Technology	895	0.92	7556	71.06	172
72	South China Normal University	601	1.26	7455	82.36	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
73	Jinan University	717	1.42	7406	80.33	109
74	National University of Defence Technology - China	1025	0.75	7390	73.27	106
75	Qingdao University of Science & Technology	702	0.97	7373	78.92	99
76	Ocean University of China	592	1.19	7358	83.61	69
77	Kunming University of Science & Technology	1434	0.59	7212	67.78	187
78	Changzhou University	833	0.96	6884	72.51	151
79	Henan University	734	1.02	6868	83.92	87
80	Heilongjiang University	462	1.51	6760	82.03	45
81	China University of Mining & Technology	1112	0.73	6726	71.94	204
82	Shanghai Normal University	426	1.45	6670	86.85	60
83	Shenzhen University	1080	0.96	6395	69.63	252
84	Wuhan University of Science & Technology	1101	0.68	6265	66.76	165
85	Guangxi University	973	0.77	6199	78.42	135
86	Hebei University of Technology	832	0.87	6143	73.08	119
87	Shaanxi University of Science & Technology	1086	0.69	5908	71.82	67
88	Jiangnan University	1024	0.7	5890	67.38	163
89	Nanchang University	770	0.9	5815	75.84	91
90	Ningbo University	717	0.9	5691	78.38	121
91	Huaqiao University	435	1.15	5645	76.09	60
92	Lanzhou University of Technology	807	0.73	5537	67.53	67
93	Guangdong University of Technology	974	0.78	5492	68.38	161
94	Northwest University Xi'an	510	1.33	5385	80.2	94
95	Tianjin Polytechnic University	911	0.73	5362	71.79	149
96	Nanjing Normal University	407	1.53	5348	82.06	40
97	Yangzhou University	549	1.19	5321	76.5	88

我校材料科学共有 9 篇高被引论文，如图-10 所示：






1	THREE-DIMENSIONAL PAPER-BASED ELECTROCHEMILUMINESCENCE IMMUNODEVICE FOR MULTIPLEXED MEASUREMENT OF BIOMARKERS AND POINT-OF-CARE TESTING	Times Cited: 186  Research Front
	By: GE, L; YAN, JX; SONG, XR; et.al Source: BIOMATERIALS 33 (4): 1024-1031 FEB 2012 Research Fields: MATERIALS SCIENCE	
2	INSIGHT INTO THE ELECTRODE MECHANISM IN LITHIUM-SULFUR BATTERIES WITH ORDERED MICROPOROUS CARBON CONFINED SULFUR AS THE CATHODE	Times Cited: 109
	By: LI, Z; YUAN, LX; YI, ZQ; et.al Source: ADV ENERGY MATER 4 (7): - MAY 2014 Research Fields: MATERIALS SCIENCE	
3	NANOSTRUCTURED MATERIALS FOR ROOM-TEMPERATURE GAS SENSORS	Times Cited: 81  Research Front
	By: ZHANG, J; LIU, XH; NERI, G; et.al Source: ADVAN MATER 28 (5): 795-831 FEB 3 2016 Research Fields: MATERIALS SCIENCE	
4	FORMATION OF $Fe_3O_4@MnO_2$ BALL-IN-BALL HOLLOW SPHERES AS A HIGH PERFORMANCE CATALYST WITH ENHANCED CATALYTIC PERFORMANCES	Times Cited: 38
	By: ZHANG, SW; FAN, QH; GAO, HH; et.al Source: J MATER CHEM A 4 (4): 1414-1422 2016 Research Fields: MATERIALS SCIENCE	
5	HYDROTHERMAL SYNTHESIS OF N-DOPED TiO_2 NANOWIRES AND N-DOPED GRAPHENE HETEROSTRUCTURES WITH ENHANCED PHOTOCATALYTIC PROPERTIES	Times Cited: 30
	By: LIU, C; ZHANG, LQ; LIU, R; et.al Source: J ALLOYS COMPOUNDS 656: 24-32 JAN 25 2016 Research Fields: MATERIALS SCIENCE	
6	NEW FAMILY OF ROOM TEMPERATURE QUANTUM SPIN HALL INSULATORS IN TWO-DIMENSIONAL GERMANENE FILMS	Times Cited: 26  Research Front
	By: ZHANG, RW; JI, WX; ZHANG, CW; et.al Source: J MATER CHEM C 4 (10): 2088-2094 2016 Research Fields: MATERIALS SCIENCE	
7	FROM UNSTABLE CS_2SnI_3 TO AIR-STABLE CS_2SnI_6: A LEAD-FREE PEROVSKITE SOLAR CELL LIGHT ABSORBER WITH BANDGAP OF 1.48 eV AND HIGH ABSORPTION COEFFICIENT	Times Cited: 15  Research Front
	By: QIU, XF; CAO, BQ; YUAN, S; et.al Source: SOLAR ENERG MATER SOLAR CELLS 159: 227-234 JAN 2017 Research Fields: MATERIALS SCIENCE	
8	IN-SITU SYNTHESIZED POLYPYRROLE-CELLULOSE CONDUCTIVE NETWORKS FOR POTENTIAL TUNABLE FOLDABLE POWER PAPER	Times Cited: 13
	By: ZHANG, Y; LI, L; ZHANG, LN; et.al Source: NANO ENERGY 31: 174-182 JAN 2017 Research Fields: MATERIALS SCIENCE	
9	COBALT-BORATE NANOWIRE ARRAY AS A HIGH-PERFORMANCE CATALYST FOR OXYGEN EVOLUTION REACTION IN NEAR-NEUTRAL MEDIA	Times Cited: 5  Research Front
	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	

图-10 济南大学材料科学高被引论文

详细记录：

1.被引频次 186（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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文献信息

文献类型:Article

语种:English

入藏号: WOS:000298273400004

PubMed ID: 22074665

ISSN: 0142-9612

2.被引频次 109（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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文献信息

文献类型:Article

语种:English

入藏号: WOS:000336503800014

ISSN: 1614-6832

eISSN: 1614-6840

3.被引频次 81 (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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[4] Univ Messina, Dept Elect Engn Chem & Ind Engn, I-98166 Messina, Italy

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文献信息

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 38 (济南大学是第 1 作者和通讯作者单位, 物理科学与技术学院)

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

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

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

DOI: 10.1039/c5ta08400h

出版年: 2016

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[3] Chinese Acad Sci, Inst Plasma Phys, Key Lab Novel Thin Film Solar Cells, POB 1126, Hefei 230031, Peoples R China

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文献信息

文献类型:Article

语种:English

入藏号: WOS:000368837800032

ISSN: 2050-7488

eISSN: 2050-7496

5.被引频次 30 (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 TiO₂ 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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文献信息

文献类型:Article

语种:English

入藏号: WOS:000365051000004

ISSN: 0925-8388

eISSN: 1873-4669

6.被引频次 26 (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)

New family of room temperature quantum spin Hall insulators in two-dimensional germanene films

作者:Zhang, RW (Zhang, Run-wu)[1] ; Ji, WX (Ji, Wei-xiao)[1] ; Zhang, CW (Zhang, Chang-wen)[1] ; Li, SS (Li, Sheng-shi)[1,2] ; Li, P (Li, Ping)[1] ; Wang, PJ (Wang, Pei-ji)[1]

JOURNAL OF MATERIALS CHEMISTRY C 卷: 4 期: 10 页: 2088-2094

DOI: 10.1039/c6tc00160b

出版年: 2016

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文献信息

文献类型:Article

语种:English

入藏号: WOS:000371671400020

ISSN: 2050-7526

eISSN: 2050-7534

7.被引频次 15 (济南大学是第 1 作者和通讯作者单位, 材料科学与工程学院)

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

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

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

DOI: 10.1016/j.solmat.2016.09.022

出版年: JAN 2017

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文献类型:Article

语种:English

入藏号: WOS:000388053600027

ISSN: 0927-0248

eISSN: 1879-3398

8.被引频次 13 (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

9.被引频次 5 (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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文献信息

文献类型:Article

语种:English

入藏号: WOS:000399390300005

ISSN: 2050-7488

eISSN: 2050-7496

7.2.4 工程学学科现状分析

工程学 2017 年 11 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-11 中,排名第 1 位的清华大学至排名第 117 位的河北科技大学,其工程学学科进入了 ESI 的前 1%行列。我校的工程学学科按照 ESI 总被引频次在国内高校排名第 101 位,省内高校第 6 位。

表-11 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	13950	1.28	132953	77.37	4032
2	Harbin Institute of Technology	9328	1.44	95213	73.57	2436
3	Shanghai Jiao Tong University	11076	1.05	94721	75.82	2682
4	Zhejiang University	9396	1.15	84512	76.35	2678
5	Xi'an Jiaotong University	8522	1.22	69567	73.45	1702
6	Huazhong University of Science & Technology	6956	1.45	66421	76.5	1591
7	Southeast University - China	6875	1.28	62577	71.55	1947
8	Dalian University of Technology	6189	1.07	47473	74.81	1510
9	Tianjin University	5710	1.19	43967	72.24	1493
10	Beihang University	7156	1	43082	69.47	1471
11	University of Science & Technology of China	4026	1.43	40655	75.06	1066
12	Peking University	3444	1.43	39277	78.51	1063
13	South China University of Technology	3948	1.42	39226	75.25	932
14	Tongji University	5466	1.12	39038	72.17	1844
15	University of Electronic Science & Technology of China	5655	1.01	37508	69.23	1543
16	University of Chinese Academy of Sciences	3844	1.27	34920	72.32	554
17	Xidian University	4664	0.92	34175	69.9	790
18	Nanjing University of Aeronautics & Astronautics	4342	1.03	32327	68.54	901
19	Beijing Institute of Technology	4231	1.17	30917	68.33	1010
20	Chongqing University	4354	1.11	29081	69.41	1309
21	Northeastern University - China	3058	1.25	27169	70.99	702
22	Hunan University	3127	1.24	26388	73.23	962
23	Shandong University	3145	1.23	26342	73.04	711
24	Nanjing University of Science & Technology	3237	1.14	25368	70.31	676
25	North China Electric Power University	2992	1.27	23519	71.66	854
26	Central South University	2488	1.48	22718	71.18	705
27	Beijing Jiaotong University	3347	1	21257	68.96	1130
28	Wuhan University	2691	1.25	20930	69.75	781
29	Nanjing University	1815	1.41	20810	78.13	523
30	Northwestern Polytechnical University	3762	1.05	19964	65.63	1029
31	Sun Yat Sen University	2017	1.31	18379	75.76	490
32	Shanghai University	2351	1.04	18138	71.88	572




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
33	National University of Defence Technology - China	3355	0.75	17255	65.96	617
34	China University of Petroleum	3178	1.08	17201	67.87	722
35	East China University of Science & Technology	1854	1.29	16168	73.57	369
36	Fudan University	1749	1.06	16107	75.7	646
37	Sichuan University	2263	0.93	15234	69.91	488
38	Jiangnan University	1138	1.83	14269	75.22	327
39	University Town of Shenzhen	1895	1.15	13983	73.88	569
40	University of Science & Technology Beijing	1903	1.41	13811	71.15	543
41	China University of Mining & Technology	2521	1.15	13384	64.38	578
42	Jilin University	2269	0.78	12946	63.77	385
43	Xiamen University	1565	1.3	12812	72.52	551
44	Southwest Jiaotong University	2191	1.14	12604	66.96	657
45	Hohai University	2367	0.83	12513	65.27	751
46	Donghua University	919	1.51	12188	76.5	296
47	Beijing University of Technology	1945	0.91	11801	67.2	427
48	Hefei University of Technology	1567	1.36	11136	68.41	590
49	Jiangsu University	1622	1.26	11057	68.68	274
50	Wuhan University of Technology	1628	1.04	10895	64.25	538
51	Beijing University of Posts & Telecommunications	1933	0.79	10310	63.84	512
52	Nankai University	1005	1.45	9935	77.01	224
53	China University of Geosciences	1418	1.31	9859	68.97	484
54	Harbin Engineering University	2086	1.03	9457	60.98	561
55	Beijing University of Chemical Technology	903	1.58	9356	75.3	167
56	Beijing Normal University	923	1.54	9304	79.85	327
57	Lanzhou University	913	1.24	9231	76.67	161
58	Guangdong University of Technology	1193	1.6	9014	67.06	350
59	Zhejiang University of Technology	1132	1.11	8717	69.96	305
60	Nanjing University of Technology	922	1.22	7729	74.84	235
61	Qingdao University	402	1.97	7512	72.39	114
62	Fuzhou University	720	1.37	7276	69.17	247
63	Hangzhou Dianzi University	932	1.04	7242	63.2	252
64	Yanshan University	1336	0.86	7156	67.96	241
65	Liaoning University of Technology	254	5.41	6947	77.95	19
66	Dalian Maritime University	750	1.51	6938	67.47	154
67	Suzhou University	991	1.28	6486	68.01	268

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
68	Zhengzhou University	759	1.05	6156	69.17	204
69	China Agricultural University	748	0.98	6077	77.27	218
70	Nanjing Normal University	617	1.45	6023	72.45	153
71	East China Normal University	702	1.02	5790	73.5	192
72	Qufu Normal University	402	1.77	5636	73.63	73
73	Shenzhen University	974	1.3	5513	68.79	274
74	Yangzhou University	425	1.65	5436	70.59	149
75	PLA University of Science & Technology	1091	0.73	5261	58.3	106
76	Bohai University	352	4.56	5198	69.89	115
77	Taiyuan University of Technology	896	0.97	5168	64.62	218
78	Ocean University of China	691	0.89	4871	67.73	170
79	Wuhan Naval University of Engineering	572	0.99	4843	78.15	16
80	University of Shanghai for Science & Technology	930	1.01	4728	65.91	268
81	Kunming University of Science & Technology	562	1.33	4481	69.57	151
82	Nanjing University of Posts & Telecommunications	925	0.94	4400	58.38	203
83	Ningbo University	634	0.99	4165	70.03	142
84	Jinan University	520	1.28	4028	69.42	130
85	Guangxi University	559	1.09	3902	70.13	142
86	Zhejiang Normal University	454	1.17	3892	79.3	89
87	Nanjing University of Information Science & Technology	628	1.36	3841	67.83	219
88	South China Normal University	428	1.3	3815	75.93	71
89	Northwest A&F University - China	356	1.48	3794	76.97	117
90	Shenyang Aerospace University	396	1.07	3579	73.74	47
91	Southwest University - China	477	1.8	3568	70.86	189
92	China Jiliang University	584	0.83	3478	73.29	126
93	Tianjin Polytechnic University	507	1.11	3475	68.84	81
94	Nanchang University	485	1.16	3468	73.2	111
95	Chang'an University	729	0.76	3350	59.26	222
96	Changsha University of Science & Technology	638	0.78	3322	69.75	220
97	Anhui University	444	1.18	3307	65.32	90
98	Xiangtan University	417	1.28	3285	69.78	92
99	Northwest University Xi'an	306	1.62	3280	72.88	60
100	Northeast Normal University - China	273	1.4	3243	68.13	30
101	Huaqiao University	474	1.16	3230	66.03	97

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
101	University of Jinan	372	1.57	3230	69.09	62
103	Shanghai Maritime University	496	1.27	3175	63.71	206
104	Nanjing Agricultural University	281	1.6	3146	76.87	65
105	Shandong University of Science & Technology	641	0.85	3069	60.84	138
106	Henan Polytech University	500	1.03	3033	65	92
107	Qingdao University of Science & Technology	315	1.6	2922	75.24	62
108	Northeast Petroleum University	228	1.83	2900	66.67	66
109	Shanxi University	318	1.49	2874	71.38	91
110	Xi'an University of Technology	651	0.71	2864	62.06	111
111	Shaanxi Normal University	338	1.12	2854	72.19	52
112	Zhejiang Sci-Tech University	442	1.11	2767	68.55	95
113	Xi'an University of Architecture & Technology	514	0.8	2712	62.26	68
114	Anhui University of Technology	314	1.4	2595	74.52	79
115	Lanzhou University of Technology	390	1.12	2533	66.41	67
116	Henan Normal University	248	1.28	2435	68.55	40
117	Hebei University of Science & Technology	190	1.37	2333	82.11	37

我校工程学共有 17 篇高被引论文，如图-11 所示：

1	FABRICATION OF NOVEL MAGNETIC CHITOSAN GRAFTED WITH GRAPHENE OXIDE TO ENHANCE ADSORPTION PROPERTIES FOR METHYL BLUE	Times Cited: 192
	By: FAN, LL; LUO, CN; LI, XJ; et.al Source: J HAZARD MATER 215: 272-279 MAY 15 2012 Research Fields: ENGINEERING	
2	ADSORPTION OF PHOSPHATE FROM AQUEOUS SOLUTION BY HYDROXY-ALUMINUM, HYDROXY-IRON AND HYDROXY-IRON-ALUMINUM PILLARED BENTONITES	Times Cited: 118
	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	HIGHLY EFFICIENT REMOVAL OF HEAVY METAL IONS BY AMINE-FUNCTIONALIZED MESOPOROUS FE3O4 NANOPARTICLES	Times Cited: 107 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	SYNTHESIS OF AMINO FUNCTIONALIZED MAGNETIC GRAPHENES COMPOSITE MATERIAL AND ITS APPLICATION TO REMOVE CR(VI), PB(II), HG(II), CD(II) AND NI(II) FROM CONTAMINATED WATER	Times Cited: 94
	By: GUO, XY; DU, B; WEI, Q; et.al Source: J HAZARD MATER 278: 211-220 AUG 15 2014 Research Fields: ENGINEERING	

5	AG3PO4/GRAPHENE-OXIDE COMPOSITE WITH REMARKABLY ENHANCED VISIBLE-LIGHT-DRIVEN PHOTOCATALYTIC ACTIVITY TOWARD DYES IN WATER	Times Cited: 93
	By: CHEN, GD; SUN, M; WEI, Q; et.al Source: J HAZARD MATER 244: 86-93 JAN 15 2013 Research Fields: ENGINEERING	
6	CHINA'S REGIONAL ENERGY AND ENVIRONMENTAL EFFICIENCY: A DEA WINDOW ANALYSIS BASED DYNAMIC EVALUATION	Times Cited: 73
	By: WANG, K; YU, SW; ZHANG, W; Source: MATH COMPUT MODELLING 58 (5-6): 1117-1127 SEP 2013 Research Fields: ENGINEERING	
7	ENVIRONMENTAL EFFICIENCY EVALUATION BASED ON DATA ENVELOPMENT ANALYSIS: A REVIEW	Times Cited: 69
	By: SONG, ML; AN, QX; ZHANG, W; et.al Source: RENEW SUSTAIN ENERGY REV 16 (7): 4465-4469 SEP 2012 Research Fields: ENGINEERING	
8	NANOPOROUS PTCO AND PTNI ALLOY RIBBONS FOR METHANOL ELECTROOXIDATION	Times Cited: 68
	By: XU, CX; HOU, JG; PANG, XH; et.al Source: INT J HYDROGEN ENERG 37 (14): 10489-10498 JUL 2012	
9	HETEROGENEOUS ACTIVATION OF OXONE BY COXFE3-XO4 NANOCATALYSTS FOR DEGRADATION OF RHODAMINE B	Times Cited: 66  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	EDTA FUNCTIONALIZED MAGNETIC GRAPHENE OXIDE FOR REMOVAL OF PB(II), HG(II) AND CU(II) IN WATER TREATMENT: ADSORPTION MECHANISM AND SEPARATION PROPERTY	Times Cited: 61  ESI Hot
	By: CUI, LM; WANG, YG; GAO, L; et.al Source: CHEM ENG J 281: 1-10 DEC 1 2015 Research Fields: ENGINEERING	
11	MAGNETIC FE3O4/MGAL-LDH COMPOSITE FOR EFFECTIVE REMOVAL OF THREE RED DYES FROM AQUEOUS SOLUTION	Times Cited: 48
	By: SHAN, RR; YAN, LG; YANG, K; et.al Source: CHEM ENG J 252: 38-46 SEP 15 2014 Research Fields: ENGINEERING	
12	ADSORPTION OF CD(II) BY MG-AL-CO3- AND MAGNETIC FE3O4/MG-AL-CO3-LAYERED DOUBLE HYDROXIDES: KINETIC, ISOTHERMAL, THERMODYNAMIC AND MECHANISTIC STUDIES	Times Cited: 30
	By: SHAN, RR; YAN, LG; YANG, K; et.al Source: J HAZARD MATER 299: 42-49 DEC 15 2015 Research Fields: ENGINEERING	
13	EXTRACELLULAR POLYMERIC SUBSTANCES FOR ZN (II) BINDING DURING ITS SORPTION PROCESS ONTO AEROBIC GRANULAR SLUDGE	Times Cited: 15
	By: WEI, D; LI, MT; WANG, XD; et.al Source: J HAZARD MATER 301: 407-415 JAN 15 2016 Research Fields: ENGINEERING	
14	A HIERARCHICALLY POROUS MGFE2O4/GAMMA-FE2O3 MAGNETIC MICROSPHERES FOR EFFICIENT REMOVALS OF DYE AND PHARMACEUTICAL FROM WATER	Times Cited: 14  Research Front
	By: LU, L; LI, J; YU, J; et.al Source: CHEM ENG J 283: 524-534 JAN 1 2016 Research Fields: ENGINEERING	

15	DECOMPOSITION ANALYSIS OF FACTORS AFFECTING CARBON DIOXIDE EMISSIONS ACROSS PROVINCES IN CHINA	Times Cited: 9
	By: LI, AJ; ZHANG, AZ; ZHOU, YX; et.al Source: J CLEAN PROD 141: 1428-1444 JAN 10 2017 Research Fields: ENGINEERING	
16	RICE HUSKS AS A SUSTAINABLE SILICA SOURCE FOR HIERARCHICAL FLOWER-LIKE METAL SILICATE ARCHITECTURES ASSEMBLED INTO ULTRATHIN NANOSHEETS FOR ADSORPTION AND CATALYSIS	Times Cited: 8
	By: ZHANG, SW; GAO, HH; LI, JX; et.al Source: J HAZARD MATER 321: 92-102 JAN 5 2017 Research Fields: ENGINEERING	
17	ROBUST NOISE REGION-BASED ACTIVE CONTOUR MODEL VIA LOCAL SIMILARITY FACTOR FOR IMAGE SEGMENTATION	Times Cited: 4
	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 192（济南大学是第 1 作者和通讯作者单位，化学化工学院）

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

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

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

DOI: 10.1016/j.jhazmat.2012.02.068

出版年: MAY 15 2012

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文献信息

文献类型:Article

语种:English

入藏号: WOS:000303306400034

PubMed ID: 22429622

ISSN: 0304-3894

2.被引频次 118（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 107 (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 Fe₃O₄ nanoparticles

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

CHEMICAL ENGINEERING JOURNAL 卷: 184 页: 132-140

DOI: 10.1016/j.cej.2012.01.016

出版年: MAR 1 2012

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文献信息

文献类型:Article

语种:English

入藏号: WOS:000301908100016

ISSN: 1385-8947

4.被引频次 94 (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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文献信息

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 93 (济南大学是第 1 作者和通讯作者单位, 资源与环境学院)

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

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

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

DOI: 10.1016/j.jhazmat.2012.11.032

出版年: JAN 15 2013

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文献信息

文献类型:Article 语种:English

入藏号: WOS:000315001000011

PubMed ID: 23246944 ISSN: 0304-3894

6.被引频次 73 (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

作者信息

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文献信息

文献类型:Article

语种:English

入藏号: WOS:000321700400024

ISSN: 0895-7177

eISSN: 1872-9479

7.被引频次 69 (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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[3] Univ Jinan, Sch Econ, Jinan, Peoples R China

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文献类型:Review

语种:English

入藏号: WOS:000307909800012

ISSN: 1364-0321

8.被引频次 68 (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

作者信息

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文献信息

文献类型:Article

语种:English

入藏号: WOS:000306391100002

ISSN: 0360-3199

9.被引频次 66 (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 CoxFe3-xO4 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

作者信息

通讯作者地址: Guo, WL (通讯作者)

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文献信息

文献类型:Article

语种:English

入藏号: WOS:000315001000086

PubMed ID: 23195597

ISSN: 0304-3894

10.被引频次 61 (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, Lianguo)[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

作者信息

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文献信息

文献类型:Article

语种:English

入藏号: WOS:000362308200001

ISSN: 1385-8947

eISSN: 1873-3212

11.被引频次 48 (济南大学是第 1 作者和通讯作者单位, 资源与环境学院)

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

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

CHEMICAL ENGINEERING JOURNAL 卷: 252 页: 38-46

DOI: 10.1016/j.cej.2014.04.105

出版年: SEP 15 2014

作者信息

通讯作者地址: Yan, LG (通讯作者)

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文献信息

文献类型:Article

语种:English

入藏号: WOS:000339601000006

ISSN: 1385-8947

eISSN: 1873-3212

12.被引频次 30 (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-CO₃- and magnetic Fe₃O₄/Mg-Al-CO₃-layered double hydroxides: Kinetic, isothermal, thermodynamic and mechanistic studies

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

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

DOI: 10.1016/j.jhazmat.2015.06.003

出版年: DEC 15 2015

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文献类型:Article 语种:English

入藏号: WOS:000367411000006

PubMed ID: 26073520

ISSN: 0304-3894 eISSN: 1873-3336

13.被引频次 15 (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, L (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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文献信息

文献类型:Article 语种:English

入藏号:WOS:000367407200044

PubMed ID: 26410269

ISSN: 0304-3894 eISSN: 1873-3336

14.被引频次 14 (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 MgFe₂O₄/γ-Fe₂O₃ 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

作者信息

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文献信息

文献类型:Article 语种:English

入藏号: WOS:000364247100053

ISSN: 1385-8947 eISSN: 1873-3212

15.被引频次 9 (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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文献信息

文献类型:Article 语种:English

入藏号: WOS:000389090300131

ISSN: 0959-6526 eISSN: 1879-1786

16.被引频次 8 (济南大学是第 1 作者和通讯作者单位, 物理科学与技术学院)

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

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

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

DOI: 10.1016/j.jhazmat.2016.09.004

出版年: JAN 5 2017

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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

17.被引频次 4 (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

7.3 济南大学未进入前 1% 学科学科分析

7.3.1 物理学学科现状分析

物理学 2017 年 11 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、中国科学技术大学、北京大学、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。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 104 位，省内高校第 5 位。

表-12 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	10842	1.48	151899	83.07	3757
2	University of Science & Technology of China	10788	1.32	147650	80.14	4033
3	Peking University	9887	1.46	147142	83.23	3901
4	Nanjing University	7408	1.27	90800	81.63	2399
5	Zhejiang University	7290	1.1	89951	83.57	2615
6	University of Chinese Academy of Sciences	8984	0.81	69960	73.44	1428
7	Shanghai Jiao Tong University	6261	1.22	69816	80.48	2335
8	Shandong University	4581	1.45	63630	83.65	1723
9	Fudan University	4569	1.26	58868	82.4	1642
10	Huazhong University of Science & Technology	6024	0.94	52119	77.69	1134
11	Sun Yat Sen University	3099	1.66	46368	84.09	1235
12	Harbin Institute of Technology	5534	0.73	41532	78.42	1113
13	Jilin University	3921	0.96	40101	80.06	888
14	Xi'an Jiaotong University	4728	0.83	39360	76.5	1316
15	Nankai University	3199	1.18	37751	81.49	942
16	Southeast University - China	3241	1.1	36012	79.05	787
17	Beihang University	3788	1.11	32917	76.93	1194


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	Central China Normal University	2061	1.74	32638	82.14	1165
19	Lanzhou University	3369	0.91	32249	80.23	846
20	University of Electronic Science & Technology of China	4260	0.72	30765	77.3	1102
21	Dalian University of Technology	3398	0.76	30470	80.46	670
22	Beijing Normal University	2696	0.99	27767	80.12	631
23	Shanghai University	3004	0.81	25759	79.23	718
24	Suzhou University	2346	1.29	25701	81.16	743
25	Wuhan University	2219	1.09	24075	78.01	597
26	Tianjin University	3089	0.81	22775	76.72	636
27	Sichuan University	3638	0.59	22196	75.59	608
28	Beijing Institute of Technology	2619	0.87	21896	77.01	588
29	East China Normal University	2279	0.83	21285	79.9	557
30	South China University of Technology	1837	1.2	20756	80.35	333
31	Hunan University	1776	1.15	19819	82.21	426
32	National University of Defence Technology - China	2866	0.72	19216	77.29	372
33	Beijing University of Posts & Telecommunications	2525	0.74	18160	76.16	351
34	Xiamen University	1771	1.07	17213	78.43	584
35	Tongji University	2016	0.84	16056	77.38	505
36	South China Normal University	1972	0.71	15527	77.43	271
37	Chongqing University	1892	0.9	15402	77.27	373
38	University of Science & Technology Beijing	1854	0.84	15205	78.32	482
39	Northwestern Polytechnical University	2373	0.64	13987	75.94	435
40	Nanjing University of Aeronautics & Astronautics	1564	0.87	13584	77.43	257
41	Renmin University of China	630	2.03	13116	81.27	258
42	Beijing Jiaotong University	1911	0.67	12773	75.67	347
43	Wuhan University of Technology	967	1.33	12472	76.73	274
44	Xidian University	2225	0.53	11855	73.75	167
45	Shanxi University	1611	0.88	11243	71.51	387
46	Nanjing University of Science & Technology	1680	0.74	11239	75.24	329
47	Shenzhen University	1359	1.19	11017	73.8	293
48	East China University of Science & Technology	862	1.15	10577	81.21	209
49	Central South University	1498	0.94	10426	76.03	334

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
50	Beijing University of Technology	1517	0.65	10093	73.57	287
51	Ningbo University	1363	0.72	9839	77.62	224
52	Xiangtan University	1089	0.83	9827	83.2	246
53	Henan Normal University	1225	0.9	9657	78.69	295
54	Zhejiang Normal University	916	0.88	9595	84.39	175
55	Anhui University	1248	0.72	9109	75.8	132
56	Donghua University	611	1.15	8894	82.49	146
57	Hangzhou Normal University	696	1.33	8209	82.76	303
58	Northeastern University - China	1131	0.71	8201	75.07	232
59	Northeast Normal University - China	651	0.84	7907	73.58	90
60	Southwest Jiaotong University	1372	0.57	7851	72.67	320
61	Nanjing Normal University	1077	0.95	7801	76.79	308
62	Hunan Normal University	1066	0.73	7798	78.14	104
63	Fuzhou University	823	0.97	7705	76.67	114
64	Zhengzhou University	1053	1	7540	77.49	288
65	University of Shanghai for Science & Technology	1198	0.66	7488	72.7	271
66	Beijing University of Chemical Technology	589	1.1	6801	81.32	113
67	Yanshan University	967	0.66	6748	79.21	158
68	Nanjing University of Posts & Telecommunications	1035	0.91	6747	72.17	167
69	Southwest University - China	746	1	6498	72.79	208
70	Nanchang University	890	0.69	6397	78.99	78
71	North China Electric Power University	827	1.02	6385	72.55	92
72	Jiangsu University	1055	0.62	6360	74.88	95
73	Capital Normal University	843	0.66	6294	77.22	245
74	University Town of Shenzhen	828	0.92	5911	75.12	205
75	Guangxi University	701	0.97	5835	76.18	248
76	Guangxi Normal University	622	1.1	5825	81.51	245
77	China Jiliang University	792	0.75	5700	78.54	150
78	China University of Mining & Technology	938	0.75	5581	75.91	135
79	Shaanxi Normal University	991	0.64	5553	71.24	150
80	Harbin Engineering University	852	0.7	5493	70.19	142
81	Changchun University of Science & Technology	959	0.48	5113	70.07	62
82	Taiyuan University of Technology	724	0.75	4932	68.78	78
83	Northwest University Xi'an	749	0.75	4885	79.71	137


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
84	Hebei Normal University	665	0.65	4841	79.25	68
85	Nanjing University of Technology	432	1.54	4837	77.78	108
86	Henan University	659	0.74	4764	77.39	76
87	Yunnan University	600	0.71	4675	77.33	116
88	Hebei University of Technology	746	0.57	4663	75.34	123
89	Shandong Normal University	709	0.55	4546	77.01	75
90	Jiangxi Normal University	693	0.57	4530	74.17	50
91	Guangdong University of Technology	738	0.81	4341	73.31	121
92	China University of Petroleum	852	0.61	4319	71.13	186
93	Jinan University	597	0.85	4232	72.19	130
94	Sichuan Normal University	536	0.71	4157	76.31	64
95	Northwest Normal University - China	741	0.53	4119	74.49	104
96	Jiangnan University	630	0.7	4093	71.43	65
97	Hefei University of Technology	659	0.74	4074	76.48	113
98	Liaoning University	433	1.06	3978	81.52	197
99	Fujian Normal University	530	0.63	3974	77.55	88
100	China University of Geosciences	627	0.75	3965	72.57	118
101	Guangzhou University	398	0.7	3863	83.17	35
102	Qingdao University	470	0.88	3863	79.79	176
103	Zhejiang A&F University	318	0.99	3857	90.57	36
104	University of Jinan	497	0.93	3839	75.25	52
105	Zhejiang University of Technology	687	0.73	3814	73.94	199

我校物理学共有 7 篇高被引论文，如图-12 所示：

- 1** **EPITAXIAL GROWTH OF LARGE-GAP QUANTUM SPIN HALL INSULATOR ON SEMICONDUCTOR SURFACE** Times Cited: 73

By: ZHOU, M; MING, WM; LIU, Z; et al
Source: PROC NAT ACAD SCI USA 111 (40): 14378-14381 OCT 7 2014
Research Fields: PHYSICS  Research Front
- 2** **A BAMBOO-INSPIRED NANOSTRUCTURE DESIGN FOR FLEXIBLE, FOLDABLE, AND TWISTABLE ENERGY STORAGE DEVICES** Times Cited: 56

By: SUN, YM; SILLS, RB; HU, XL; et al
Source: NANO LETT 15 (6): 3899-3906 JUN 2015
Research Fields: PHYSICS
- 3** **ETHYNYL-FUNCTIONALIZED STANENE FILM: A PROMISING CANDIDATE AS LARGE-GAP QUANTUM SPIN HALL INSULATOR** Times Cited: 52

By: ZHANG, RW; ZHANG, CW; JI, WX; et al
Source: NEW J PHYS 17: - AUG 10 2015
Research Fields: PHYSICS  Research Front





4	<p>UNEXPECTED GIANT-GAP QUANTUM SPIN HALL INSULATOR IN CHEMICALLY DECORATED PLUMBENE MONOLAYER</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: 45</p> <p> Research Front</p>
5	<p>LARGE-GAP QUANTUM SPIN HALL STATE IN FUNCTIONALIZED DUMBBELL STANENE</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>
6	<p>CONTROLLABLE BAND STRUCTURE AND TOPOLOGICAL PHASE TRANSITION IN TWO-DIMENSIONAL HYDROGENATED ARSENENE</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: 29</p> <p> Research Front</p>
7	<p>ROOM TEMPERATURE QUANTUM SPIN HALL INSULATOR IN ETHYNYL-DERIVATIVE FUNCTIONALIZED STANENE FILMS</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: 26</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 73（济南大学是第 2 作者单位，物理科学与技术学院）

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

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

Wang, ZF (Wang, Zhengfei)[1] ; Li, P (Li, Ping)[1,2] ; Liu, F (Liu, Feng)[1,3]

PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA 卷: 111 期: 40 页: 14378-14381

DOI: 10.1073/pnas.1409701111

出版年: OCT 7 2014

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[2] **Univ Jinan**, Sch Phys & Technol, Jinan 250022, Shangdong, Peoples R China

[3] Collaborat Innovat Ctr Quantum Matter, Beijing 100871, Peoples R China

电子邮件地址:fliu@eng.utah.edu

文献信息

文献类型:Article

语种:English

入藏号: WOS:000342633900032

PubMed ID: 25246584

ISSN: 0027-8424

2.被引频次 56 (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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通讯作者地址: Hu, XL (通讯作者)

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[3] Huazhong Univ Sci & Technol, Coll Optoelect Sci & Engr, Wuhan 430074, Peoples R China

[4] Stanford Univ, Dept Mat Sci & Engr, Stanford, CA 94305 USA

[5] Stanford Univ, Dept Mech Engr, Stanford, CA 94305 USA

[6] Sandia Natl Labs, Livermore, CA 94551 USA

[7] Univ Jinan, Sch Chem & Chem Engr, Jinan 250022, Peoples R China

[8] SLAC Natl Accelerator Lab, Stanford Inst Mat & Energy Sci, Menlo Pk, CA 94025 USA

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文献信息

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 52 (济南大学是第 1 作者和通讯作者单位, 物理科学与技术学院)

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

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

NEW JOURNAL OF PHYSICS 卷: 17 文献号: 083036

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

出版年: AUG 10 2015

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文献信息

文献类型:Article

语种:English

入藏号: WOS:000360956600004

ISSN: 1367-2630

4.被引频次 45 (济南大学是第 1 作者和通讯作者单位, 物理科学与技术学院)

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

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

SCIENTIFIC REPORTS 卷: 6 文献号: 20152

DOI: 10.1038/srep20152

出版年: FEB 2 2016

作者信息

通讯作者地址: Zhang, CW (通讯作者)

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[1] Univ Jinan, Sch Phys & Technol, Jinan 250022, Shandong, Peoples R China

[2] Shandong Univ, Sch Phys, State Key Lab Crystal Mat, Jinan 250100, Shandong, Peoples R China

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文献信息

文献类型:Article

语种:English

入藏号: WOS:000369139700001

PubMed ID: 26833133

ISSN: 2045-2322

5.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

作者信息

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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

6.被引频次 29 (济南大学是第 1 作者和通讯作者单位, 物理科学与技术学院)

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

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

SCIENTIFIC REPORTS 卷: 6

文献号: 20342

DOI: 10.1038/srep20342

出版年: FEB 3 2016

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文献信息

文献类型:Article

语种:English

入藏号: WOS:000369787900001

PubMed ID: 26839209

ISSN: 2045-2322

7.被引频次 26（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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文献信息

文献类型:Article

语种:English

入藏号: WOS:000368378600001

PubMed ID: 26728874

ISSN: 2045-2322

7.3.2 生物和生物化学学科现状分析

生物和生物化学 2017 年 11 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、中国农业大学和武汉大学。在表-13 中,排名第 1 位的上海交通大学至排名第 50 位的北京师范大学,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 84 位,省内高校第 4 位。

表-13 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	Shanghai Jiao Tong University	4317	0.9	53331	79.18	1063
2	University of Chinese Academy of Sciences	3335	1.06	44786	83.99	647
3	Zhejiang University	3694	0.87	42751	81.24	903
4	Peking University	3091	0.99	40775	81.14	908
5	Tsinghua University	2337	1.2	38889	87.16	719
6	Fudan University	3146	0.85	38117	78.42	860
7	Sun Yat Sen University	2418	0.93	30503	78.21	563
8	Shandong University	2784	0.79	27993	76.76	608
9	China Agricultural University	1577	1.12	23932	85.29	504
10	Wuhan University	1721	0.93	21625	79.2	364
11	Sichuan University	2105	0.81	21014	77.24	424
12	Huazhong University of Science & Technology	1872	0.83	18707	77.67	488
13	University of Science & Technology of China	1134	1.07	17749	85.8	303
14	South China University of Technology	887	1.41	17058	85.68	200
15	Nankai University	1204	0.99	16091	86.71	345
16	Jiangnan University	1642	0.77	15652	81.43	350
17	Nanjing University	1289	0.93	15474	80.22	294
18	East China University of Science & Technology	1336	0.89	15203	86.3	220
19	Tongji University	1586	0.85	14522	75.16	371
20	Jilin University	1797	0.7	14296	74.12	481
21	Central South University	1554	0.73	13781	75.48	412
22	Nanjing Agricultural University	1115	0.92	13222	84.22	208
23	Harbin Institute of Technology	971	1.25	13215	85.58	303
24	Suzhou University	1308	0.83	13084	74.62	326
25	Xiamen University	1038	0.87	12318	81.98	347
26	Dalian University of Technology	845	0.98	12006	86.75	198
27	Fourth Military Medical University	1028	0.91	11836	81.61	228
28	Nanjing Medical University	1369	0.79	11750	73.78	238
29	Tianjin University	914	1.05	10876	83.37	196
30	Huazhong Agricultural University	1106	0.87	10539	80.65	267
31	Second Military Medical University	1136	0.74	10423	78.79	207
32	Southeast University - China	713	1.19	10085	80.22	153
33	Harbin Medical University	1084	0.77	9789	79.34	251

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
34	Xi'an Jiaotong University	1137	0.7	9079	74.67	363
35	Third Military Medical University	1025	0.65	8535	77.07	183
36	Capital Medical University	1250	0.62	8283	66.72	267
37	Ocean University of China	748	0.79	8280	83.96	162
38	Jinan University	775	0.84	7867	80.39	169
39	Hunan University	388	1.49	7799	88.66	60
40	Tianjin Medical University	770	0.83	7777	75.45	189
41	Northwest A&F University - China	879	0.88	7695	79.75	237
42	Lanzhou University	716	0.77	7603	81.28	89
43	China Medical University	967	0.62	7453	75.9	245
44	Southern Medical University - China	959	0.67	7404	68.72	225
45	Beijing University of Chemical Technology	534	1.14	7240	83.52	133
46	Southwest University - China	561	0.95	6305	79.14	125
47	Shenzhen University	353	1.25	6300	69.12	105
48	Shanghai University	430	1.06	6229	82.33	143
49	East China Normal University	515	0.92	5983	82.33	218
50	Beijing Normal University	492	0.84	5832	85.16	121
51	China Pharmaceutical University	668	0.73	5720	81.29	120
52	Nanjing University of Technology	472	0.92	5628	83.9	52
53	Zhengzhou University	1079	0.53	5595	55.98	149
54	Chongqing Medical University	715	0.71	5545	70.21	156
55	Wenzhou Medical University	834	0.62	5128	66.67	245
56	University Town of Shenzhen	449	1.19	4716	80.85	137
57	University of Electronic Science & Technology of China	234	1.76	4710	74.36	63
58	Chongqing University	460	0.93	4628	84.57	120
59	Tianjin University Science & Technology	476	0.87	4624	77.52	95
60	Nanchang University	545	0.88	4600	73.03	135
61	Zhejiang University of Technology	457	0.81	4373	82.06	85
62	Donghua University	252	1.32	4372	88.1	129
63	Anhui Medical University	537	0.75	4195	69.46	100
64	South China Normal University	267	1.02	4133	82.77	47
65	Sichuan Agricultural University	501	0.68	4010	73.65	101
66	South China Agricultural University	463	0.73	3910	76.67	101
67	Jiangsu University	499	0.8	3844	73.15	101
68	Shantou University	361	0.68	3836	80.06	67
69	Hunan Normal University	291	0.81	3791	87.63	82

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	Northeast Agricultural University - China	476	0.8	3705	79.62	56
71	Nanjing Normal University	354	0.71	3616	83.33	50
72	Beijing Forestry University	319	1.13	3611	79.94	69
73	Shanghai University of Traditional Chinese Medicine	345	0.82	3489	75.07	106
74	Dalian Medical University	437	0.71	3472	71.85	102
75	Yangzhou University	367	0.8	3426	80.93	68
76	Northeast Forestry University - China	298	0.81	3346	77.52	80
77	Shenyang Pharmaceutical University	301	0.78	3261	87.71	80
78	Guangxi University	277	0.84	3210	82.67	52
79	Guangzhou Medical University	488	0.67	3191	67.62	93
80	Qingdao University of Science & Technology	157	0.91	2933	86.62	20
81	Beijing University of Technology	279	1.04	2843	80.65	53
82	Yunnan University	220	0.71	2816	85	55
83	North China University of Science & Technology	131	2.23	2770	76.34	37
84	Shanxi University	278	0.72	2745	79.86	52
84	University of Jinan	292	0.94	2745	79.11	44
86	Nantong University	386	0.69	2739	76.42	53
87	Qingdao University	515	0.58	2730	64.85	60
88	Northeast Normal University - China	266	0.83	2725	79.7	49
89	Beijing Institute of Technology	205	0.89	2723	82.93	52
90	Hebei Medical University	466	0.53	2669	63.95	93
91	Shandong Agricultural University	283	0.68	2661	83.75	41
92	Northwest University Xi'an	300	0.8	2642	78.67	62
93	University of South China	311	0.59	2576	76.21	72
94	Hunan University of Technology	39	4.81	2481	97.44	1
95	Central China Normal University	233	0.88	2472	81.55	78
96	Hefei University of Technology	187	0.93	2284	78.07	45
97	Guangxi Medical University	376	0.6	2170	61.97	75
98	Shanghai Normal University	156	0.89	2076	86.54	45
99	Inner Mongolia University	138	0.84	2039	78.26	18
100	Fuzhou University	196	0.87	2030	86.22	52

我校生物和生物化学共有 4 篇高被引论文，如图-13 所示：

1	SIGNIFICANCE OF SERUM MICRORNAs IN PRE-DIABETES AND NEWLY DIAGNOSED TYPE 2 DIABETES: A CLINICAL STUDY By: KONG, L; ZHU, JJ; HAN, WX; et.al Source: ACTA DIABETOL 48 (1): 61-69 MAR 2011 Research Fields: BIOLOGY & BIOCHEMISTRY	Times Cited: 160
2	HIGHLY SELECTIVE ADSORPTION OF LEAD IONS BY WATER-DISPERSIBLE MAGNETIC CHITOSAN/GRAPHENE OXIDE COMPOSITES By: FAN, LL; LUO, CN; SUN, M; et.al Source: COLLOID SURFACE B 103: 523-529 MAR 1 2013 Research Fields: BIOLOGY & BIOCHEMISTRY	Times Cited: 121 Research Front
3	ADSORBENT FOR CHROMIUM REMOVAL BASED ON GRAPHENE OXIDE FUNCTIONALIZED WITH MAGNETIC CYCLODEXTRIN-CHITOSAN By: LI, LL; FAN, LL; SUN, M; et.al Source: COLLOID SURFACE B 107: 76-83 JUL 1 2013 Research Fields: BIOLOGY & BIOCHEMISTRY	Times Cited: 100
4	SILENCING OF LONG NONCODING RNA MALAT1 BY MIR-101 AND MIR-217 INHIBITS PROLIFERATION, MIGRATION, AND INVASION OF ESOPHAGEAL SQUAMOUS CELL CARCINOMA CELLS By: WANG, XY; LI, M; WANG, ZQ; et.al Source: J BIOL CHEM 290 (7): 3925-3935 FEB 13 2015 Research Fields: BIOLOGY & BIOCHEMISTRY	Times Cited: 81

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 160（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

作者信息

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文献信息

文献类型:Article

语种:English

入藏号: WOS:000288016800009

PubMed ID: 20857148

ISSN: 0940-5429

2.被引频次 121 (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

作者信息

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电子邮件地址:chm_luocn@ujn.edu.cn

文献信息

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 100 (济南大学是第 1 作者和通讯作者单位, 化学化工学院)

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

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

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

DOI: 10.1016/j.colsurfb.2013.01.074

出版年: JUL 1 2013

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文献信息

文献类型:Article 语种:English

入藏号: WOS:000318141900010

PubMed ID: 23466545 ISSN: 0927-7765

4.被引频次 81 (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

作者信息

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文献信息

文献类型:Article 语种:English

入藏号: WOS:000349458400004

PubMed ID: 25538231

ISSN: 0021-9258 eISSN: 1083-351X

7.3.3 数学学科现状分析

数学 2017 年 11 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、清华大学、上海交通大学、南开大学和浙江大学。在表-14 中,排名第 1 位的北京大学至排名第 30 位的天津工业大学,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 95 位，省内高校第 6 位。

表-14 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	1885	1.13	10325	66.95	635
2	Fudan University	1748	1.12	9024	69.79	553
3	Lanzhou University	1092	1.61	8340	75	196
4	Harbin Institute of Technology	1410	1.4	8001	65.18	325
5	Beijing Normal University	1629	1.21	7917	68.26	471
6	Shandong University	1718	0.99	7833	64.84	395
7	Tsinghua University	1526	1.03	7696	68.41	482
8	Shanghai Jiao Tong University	1412	1.19	7629	67.92	478
9	Nankai University	1610	1.13	7559	68.14	440
10	Zhejiang University	1755	0.88	7395	64.5	477
11	Southeast University - China	1170	1.55	7268	67.09	271
12	University of Science & Technology of China	1365	1.07	6654	67.33	468
13	Xiamen University	1251	1.24	6516	62.99	325
14	Sun Yat Sen University	1312	1.05	6304	69.05	358
15	East China Normal University	1549	0.95	6234	67.01	418
16	Shanghai University	1158	1.14	5997	66.32	208
17	Central South University	1151	1.72	5986	69.59	167
18	Nanjing University	1265	1.04	5956	66.01	284
19	Xi'an Jiaotong University	1082	1.14	5866	67.93	239
20	Shanghai Normal University	988	1.11	5648	67.21	339
21	South China Normal University	1249	0.91	5593	66.69	173
22	Dalian University of Technology	1334	0.84	5356	63.42	187
23	Wuhan University	1170	1.05	4868	67.01	289
24	Huazhong University of Science & Technology	923	1.19	4802	69.34	199
25	Sichuan University	1155	0.86	4685	64.16	255
26	Zhejiang Normal University	950	1.08	4437	65.05	225
27	Donghua University	445	1.94	4348	71.01	90
28	Xiangtan University	478	2.67	4312	71.55	107
29	Chongqing University	932	1.12	4182	65.13	114

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
30	Tianjin Polytechnic University	637	1.48	4073	64.05	222
31	Beijing Institute of Technology	878	1.03	3936	65.83	184
32	Qufu Normal University	732	1.13	3911	65.3	168
33	Hunan University	816	1.04	3869	63.97	136
34	Suzhou University	927	0.93	3777	65.37	180
35	Northeast Normal University - China	728	1.48	3772	63.46	193
36	Nanjing Normal University	1039	0.75	3716	57.46	151
37	South China University of Technology	649	1.22	3583	63.94	153
38	Jilin University	1014	0.89	3575	60.06	158
39	Tongji University	935	0.99	3503	63.21	168
40	Jiangnan University	249	2.48	3418	64.26	43
41	University of Electronic Science & Technology of China	698	1.3	3182	65.33	129
42	Southwest University - China	713	1.2	3128	58.77	152
43	Central China Normal University	800	1.1	3111	65.5	233
44	Capital Normal University	648	0.96	2943	62.19	176
45	Beihang University	731	1.09	2878	62.52	154
46	China University of Mining & Technology	727	1.92	2745	57.63	97
47	Fuzhou University	443	1.26	2672	69.3	70
48	Henan Polytech University	537	1.38	2509	70.39	89
49	Anhui University	491	1.41	2505	69.45	63
50	Beijing University of Technology	570	0.86	2423	58.07	95
51	Yunnan University	546	1.19	2328	66.48	84
52	Beijing Jiaotong University	610	1.14	2320	59.51	145
53	Jiangsu Normal University	604	0.91	2310	62.25	126
54	Xinjiang University	564	0.84	2264	60.46	84
55	Henan Normal University	651	0.84	2241	56.84	68
56	Nanjing University of Aeronautics & Astronautics	664	0.9	2234	59.49	124
57	Hunan Normal University	614	0.78	2174	62.7	137
58	Nanjing University of Science & Technology	428	1.31	2111	63.08	97
59	Northwest Normal University - China	584	0.77	2062	57.88	33
60	Jiangsu University	370	1.26	2008	64.05	50
61	North China Electric Power University	366	1.03	1985	64.21	67
62	Shanxi University	491	1.02	1978	58.45	68
63	Shantou University	289	1.15	1930	65.74	67

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
64	Tianjin University	657	0.95	1926	58.3	112
65	Zhengzhou University	480	0.94	1905	66.04	56
66	Shaanxi Normal University	441	0.89	1881	60.32	66
67	University of Chinese Academy of Sciences	484	0.89	1803	59.71	82
68	Changsha University of Science & Technology	345	1.1	1753	65.8	64
69	Huzhou University	294	1.41	1726	74.83	31
70	Nanjing University of Information Science & Technology	397	1.19	1720	66.5	83
71	Shanghai University of Finance & Economics	448	1.03	1705	57.14	201
72	Shandong University of Science & Technology	278	2.09	1687	72.3	29
73	Northeastern University - China	372	1.27	1659	59.95	83
74	Xidian University	465	0.89	1642	58.92	61
75	Yunnan Normal University	238	1.67	1620	65.55	34
76	Renmin University of China	468	1.05	1601	58.55	156
77	Guangzhou University	375	0.8	1583	55.2	59
78	University of Science & Technology Beijing	252	1.48	1560	70.24	53
79	Hohai University	441	1.08	1558	55.33	85
80	Hangzhou Normal University	425	0.86	1553	62.35	113
81	Chongqing Normal University	382	0.96	1525	56.28	74
82	China University of Petroleum	426	0.93	1510	59.15	61
83	Guizhou University	201	2.99	1461	66.17	42
84	Fujian Normal University	489	0.8	1445	60.74	67
85	East China University of Science & Technology	354	0.99	1433	60.17	75
86	Harbin Normal University	221	1.2	1428	70.59	61
87	Beijing University of Posts & Telecommunications	296	1.49	1417	63.18	42
88	Yangzhou University	411	0.99	1406	57.91	77
89	Anhui Normal University	314	1	1379	66.56	40
90	Changshu Institute of Technology	204	1.43	1330	71.57	24
91	Henan University	383	0.76	1308	57.7	61
92	Yantai University	260	1.34	1301	68.46	71

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
93	Jiaxing University	304	1.15	1290	63.49	29
94	Lanzhou Jiaotong University	227	1.05	1267	69.16	47
95	University of Jinan	284	1.15	1265	58.8	63
96	Northwest University Xi'an	356	0.76	1259	53.37	29
97	Northwestern Polytechnical University	495	0.98	1245	55.15	116
98	Nanchang University	366	0.79	1230	56.01	21
99	Hangzhou Dianzi University	407	0.8	1218	58.23	73
100	Guangxi University	274	0.75	1217	67.88	13

我校数学共有 3 篇高被引论文，如图-14 所示：

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

By: ZHAO, YG; SUN, SR; HAN, ZL; et.al
 Source: APPL MATH COMPUT 217 (16): 6950-6958 APR 15 2011
 Research Fields: MATHEMATICS
- LEAST SQUARE REGRESSION WITH INDEFINITE KERNELS AND COEFFICIENT REGULARIZATION** Times Cited: 47

By: SUN, HW; WU, QA;
 Source: APPL COMPUT HARMONIC ANAL 30 (1): 96-109 JAN 2011
 Research Fields: MATHEMATICS
- POSITIVE SOLUTIONS TO BOUNDARY VALUE PROBLEMS OF NONLINEAR FRACTIONAL DIFFERENTIAL EQUATIONS** Times Cited: 45

By: ZHAO, YG; SUN, SR; HAN, ZL; et.al
 Source: ABSTR APPL ANAL : - 2011
 Research Fields: MATHEMATICS

图-14 济南大学数学高被引论文

详细记录：

1. 被引频次 55（济南大学是第 1 作者和通讯作者单位，数学科学学院）

Positive solutions for boundary value problems of nonlinear fractional differential equations
 作者: Zhao, YG (Zhao, Yige)[1] ; Sun, SR (Sun, Shurong)[1] ; Han, ZL (Han, Zhenlai)[1,2] ;
 Zhang, M (Zhang, Meng)[1]

APPLIED MATHEMATICS AND COMPUTATION 卷: 217 期: 16 页: 6950-6958

DOI: 10.1016/j.amc.2011.01.103

出版年: APR 15 2011

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[1] Univ Jinan, Sch Sci, Jinan 250022, Shandong, Peoples R China
[2] Shandong Univ, Sch Control Sci & Engr, Jinan 250061, Shandong, Peoples R China
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zhang123meng@163.com

文献信息

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 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

作者信息

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[1] Michigan State Univ, Dept Math, E Lansing, MI 48824 USA

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

地址:ss_sunhw@ujn.edu.cn; wuqiang@math.msu.edu

文献类型:Article 语种:English

入藏号: WOS:000285223600006

ISSN: 1063-5203 eISSN: 1096-603X

3.被引频次 45 (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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文献信息

文献类型:Article 语种:English

入藏号: WOS:000286231200001

ISSN: 1085-3375

7.3.4 经济学与商学学科现状分析

经济学与商学 2017 年 11 月国内高校 ESI 排名如表-14 所示。可以看出排在前 10 位的高校分别是北京大学、清华大学、西安交通大学、上海交通大学、中国人民大学、复旦大学、浙江大学、厦门大学、上海财经大学和中央财经大学。在表-15 中，排名第 1 位的北京大学、清华大学和排名第 3 的西安交通大学，其经济学与商学进入了 ESI 的前 1%行列。我校的经济学与商学按照 ESI 总被引频次在国内高校排名第 151 位，省内高校第 7 位。

表-15 ESI 经济学与商学国内高校排名

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	956	1.27	9614	71.34	586
2	Tsinghua University	721	1.14	6315	71.71	413
3	Xi'an Jiaotong University	367	1.38	4492	72.48	157
4	Shanghai Jiao Tong University	525	1.24	3998	72	282
5	Renmin University of China	803	0.8	3709	64.88	450
6	Fudan University	484	1	3035	73.14	283
7	Zhejiang University	523	0.98	2841	66.16	291
8	Xiamen University	465	1.02	2790	64.3	294
9	Shanghai University of Finance & Economics	542	0.85	2785	67.34	329
10	Central University of Finance & Economics	526	0.76	2352	67.87	269
11	Sun Yat Sen University	352	1.23	2329	69.89	194
12	China Europe International Business School	202	1.54	2128	75.25	134
13	University of International Business & Economics	382	0.9	1934	64.66	215
14	University of Science & Technology of China	126	1.9	1498	76.19	42
15	Nankai University	229	1.09	1432	68.12	132
16	Nanjing University	274	0.87	1379	65.33	117
17	South Western University of Finance &	409	0.82	1332	56.97	251

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
	Economics - China					
18	Huazhong University of Science & Technology	243	1.27	1303	64.61	86
19	Wuhan University	295	0.85	1209	62.71	135
20	University of Chinese Academy of Sciences	106	1.23	1120	71.7	52
21	Beijing Normal University	211	0.83	1052	63.03	99
22	Shandong University	135	0.91	900	62.96	68
23	Nanjing University of Aeronautics & Astronautics	53	2.61	847	77.36	24
24	University of Nottingham Ningbo China	142	1.29	819	73.24	104
25	Tongji University	143	1.3	796	69.23	91
26	North China Electric Power University	31	2.43	761	74.19	9
27	Dalian University of Technology	61	1.71	700	68.85	38
28	South China University of Technology	128	1.11	658	67.97	34
29	Southeast University - China	95	1.17	640	58.95	35
30	China Agricultural University	126	0.7	608	72.22	68
31	Beijing Institute of Technology	105	1.94	598	75.24	53
32	Beihang University	131	0.7	565	63.36	51
33	Harbin Institute of Technology	138	0.89	531	63.77	61
34	Beijing Jiaotong University	85	1.37	518	70.59	51
35	Sichuan University	99	1.38	501	67.68	55
36	Jiangxi University of Finance & Economics	122	1.2	498	57.38	91
37	Jinan University	153	0.81	496	56.21	68
38	University of Electronic Science & Technology of China	80	0.98	486	61.25	52
39	Hunan University	197	0.98	470	58.38	86
40	Central South University	71	2.78	454	64.79	23
41	East China University of Science & Technology	99	1.18	434	65.66	55
42	Jilin University	72	0.91	419	69.44	45
43	Northeastern University - China	49	1.19	408	87.76	27
44	Nanjing Agricultural University	67	0.97	391	71.64	51
45	Suzhou University	72	1.31	377	73.61	37
46	Tianjin University	115	0.93	352	52.17	39
47	East China Normal University	73	0.98	337	63.01	43
48	Lanzhou University	23	1.97	324	82.61	9
49	Shandong University of Finance & Economics	29	1.88	320	86.21	10

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
50	Zhejiang Gongshang University	54	1.23	313	66.67	20
51	Shanghai University	96	0.86	311	59.38	44
52	Zhejiang Sci-Tech University	19	2.27	310	84.21	7
53	Shenzhen University	72	1.04	301	68.06	33
54	Capital University of Economics & Business	100	0.81	294	48	70
55	Zhongnan University of Economics & Law	112	0.47	294	41.96	63
56	Chongqing University	105	0.62	292	55.24	54
57	Southwest Jiaotong University	56	0.93	271	55.36	23
58	University of Science & Technology Beijing	40	1.28	270	72.5	20
59	Beijing Forestry University	25	0.86	220	80	11
60	Northwestern Polytechnical University	49	1.87	205	71.43	20
61	Beijing University of Posts & Telecommunications	27	1.11	187	62.96	17
62	Suzhou University of Science & Technology	11	1.84	183	90.91	1
63	Nanjing University of Finance & Economics	35	0.84	182	51.43	18
64	China University of Mining & Technology	39	0.98	177	56.41	18
65	Yunnan University of Finance & Economics	29	0.73	176	68.97	22
66	Ningbo University	11	1.97	174	63.64	5
67	North China University of Science & Technology	1	8.5	172	100	1
68	Henan Agricultural University	15	1.06	168	86.67	12
69	Zhejiang University of Technology	25	1.18	160	68	15
70	Dongbei University of Finance & Economics	59	0.88	159	50.85	36
71	Zhejiang University of Finance & Economics	56	1	154	51.79	13
72	Fuzhou University	23	1.77	153	65.22	9
73	Northwest A&F University - China	33	0.85	143	75.76	26
74	Chongqing University of Arts & Sciences	7	4.06	143	100	1
75	Beijing University of Chemical Technology	18	1.8	141	55.56	1
76	Liaocheng University	6	3.67	139	83.33	2
77	Anhui University	12	2.54	136	83.33	8
78	Ocean University of China	56	0.82	130	55.36	41
79	South China Agricultural University	28	1.35	124	78.57	9
80	Nanjing Normal University	14	1.9	122	78.57	4
81	Shenyang Aerospace University	2	2.89	117	50	1
82	Beijing Technology & Business University	25	0.73	116	60	12
83	Wuhan University of Technology	27	0.85	112	66.67	13
84	Southwest University - China	22	1.08	112	63.64	9

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	Xidian University	25	1.01	108	60	12
86	Hangzhou Dianzi University	27	0.7	101	40.74	9
87	Hohai University	30	0.99	100	76.67	14
88	Guangdong University of Technology	25	1.76	95	60	12
89	Anhui University of Finance & Economics	26	0.77	91	76.92	10
90	Shanxi University	19	0.95	86	63.16	7
91	Northwest University Xi'an	26	0.55	83	61.54	17
92	University Town of Shenzhen	17	0.87	82	82.35	10
93	Dalian Maritime University	21	0.53	81	71.43	14
94	East China University of Technology	4	4.12	79	100	3
95	Inner Mongolia Agricultural University	5	1.17	79	80	4
96	China University of Geosciences	26	0.54	77	46.15	12
97	Hefei University of Technology	23	1.22	75	60.87	14
98	Shanghai Lixin University of Commerce	27	1.05	72	66.67	20
99	Xi'an University of Technology	9	0.92	71	55.56	6
100	South China Normal University	37	0.51	69	59.46	18
101	University of Shanghai for Science & Technology	13	1.06	69	61.54	5
102	Jiangnan University	20	1.38	67	70	8
103	Huazhong Agricultural University	35	0.63	63	51.43	22
104	Shanghai Maritime University	16	1.06	63	75	11
105	Qufu Normal University	11	1.13	62	81.82	1
106	Shanghai Second Polytech University	7	1.83	62	100	6
107	Northeast Normal University - China	24	0.4	60	45.83	5
108	Shanghai Finance University	16	0.88	60	87.5	9
109	Anhui Jianzhu University	3	2.57	60	100	1
110	Gansu Agricultural University	1	5.21	58	100	1
111	Hebei University of Science & Technology	5	1.44	56	100	4
112	Zhejiang Normal University	13	1.19	56	76.92	2
113	Shanghai University of International Business & Economics	29	0.38	56	48.28	18
114	Lanzhou University of Finance & Economics	3	1.52	52	100	0
115	Hainan University	12	0.75	50	75	8
116	Henan University	51	0.45	50	31.37	34
117	Shaoxing University	10	0.68	50	50	0
118	China University of Petroleum	22	1.38	48	36.36	12
119	Southwest University for Nationalities -	7	2.01	48	71.43	2

排名	机构名称	Web of Science 论文数	学科规范化的引文影响力	被引频次	论文被引百分比	国际合作论文
	China					
120	Huaqiao University	27	0.47	47	37.04	14
121	Donghua University	22	0.66	46	50	6
122	Chang'an University	3	1.38	42	66.67	2
123	Kunming University of Science & Technology	9	1.49	42	66.67	5
124	Central South University of Forestry & Technology	2	1.23	42	100	0
125	Central China Normal University	16	0.8	41	62.5	3
126	Xiangtan University	8	0.58	39	50	6
127	Guangzhou University	11	0.94	38	72.73	6
128	Lanzhou Jiaotong University	4	2.88	38	75	0
129	Nanjing University of Technology	10	0.58	38	30	3
130	Xi'an University of Finance & Economics	17	1.83	38	47.06	7
131	Beijing Normal University Zhuhai	16	0.92	37	56.25	12
132	Fujian Normal University	12	0.45	37	58.33	8
133	Jiangsu University of Science & Technology	9	1.14	37	66.67	4
134	Nanjing University of Science & Technology	23	1.37	37	56.52	7
135	Shantou University	20	0.44	37	50	9
136	Xinjiang University	6	0.94	37	100	4
137	Beijing Institute of Petrochemical Technology	6	0.7	36	83.33	1
138	Beijing International Studies University	9	0.39	36	33.33	8
139	Chongqing Technology & Business University	12	0.77	36	41.67	5
140	Inner Mongolia University	8	0.46	36	62.5	6
141	Guangdong University of Finance & Economics	14	0.62	36	64.29	4
142	Zhejiang University City College	6	0.86	36	83.33	3
143	Nanjing University of Information Science & Technology	17	1.11	35	52.94	11
144	Hunan Normal University	15	0.81	34	60	4
145	Changsha University of Science & Technology	10	0.97	33	50	1
146	Shanxi University Finance & Economics	16	0.49	33	56.25	14
147	Hebei University of Technology	8	0.65	31	50	5
148	PLA University of Science & Technology	6	1.04	31	66.67	0
149	Henan University of Technology	2	0.72	29	50	2

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
150	Sichuan Normal University	4	4.77	29	50	1
151	Beijing University of Technology	11	0.4	28	72.73	8
151	Nanchang University	12	0.8	28	50	4
151	University of Jinan	21	1.02	28	71.43	16
154	Shaanxi Normal University	29	0.61	27	44.83	19
155	Shanghai International Studies University	12	0.69	27	50	6

我校经济学与商学有 1 篇高被引论文，如图-15 所示：

1



图-15 济南大学经济学与商学高被引论文

详细记录：

1、被引频次 3（济南大学是第一作者单位，归于商学院）

The Effect of Parental Absence on Child Development in Rural China

作者:Wu, J (Wu, Jia)[1] ; Zhang, JS (Zhang, Junsen)[2]

ASIAN ECONOMIC POLICY REVIEW 卷: 12 期: 1 页: 117-134

DOI: 10.1111/aepr.12166

出版年: JAN 2017

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7.3.5 农业科学学科现状分析

农业科学 2017 年 11 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 45 的哈尔滨工业大学，其农业科学进入了 ESI 的前 1% 行列。我校的农业科学按照 ESI 总被引频次在国内高校排名第 127 位，省内高校第 8 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	4254	1.33	44250	80.23	1489
2	Zhejiang University	2413	1.37	27039	83.17	678
3	Nanjing Agricultural University	2445	1.35	23876	80.08	611
4	Jiangnan University	2178	1.5	22476	80.49	696
5	University of Chinese Academy of Sciences	1992	1.49	21683	81.63	609
6	Northwest A&F University - China	2346	1.29	19175	76.85	790
7	South China University of Technology	1307	2	15888	84.24	349
8	Huazhong Agricultural University	1572	1.27	13656	82.25	373
9	Nanchang University	651	1.98	7193	80.8	232
10	Shanghai Jiao Tong University	710	1.28	6170	79.86	266
11	Shandong Agricultural University	722	1.01	5444	78.81	90
12	South China Agricultural University	861	0.92	5427	71.2	258
13	Beijing Normal University	454	1.59	5242	83.48	146
14	Lanzhou University	469	1.36	5169	84.43	195
15	Sun Yat Sen University	406	1.55	4706	83.25	69
16	Peking University	373	1.55	4704	85.52	137
17	Northeast Agricultural University - China	721	0.98	4619	71.98	136
18	Jilin University	448	1.51	4531	74.33	104
19	Beijing Forestry University	502	1.34	4450	77.49	155

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
20	Ocean University of China	419	1.41	4255	77.09	111
21	Yangzhou University	514	1.26	4118	75.29	115
22	Sichuan University	379	1.28	3981	78.63	71
23	Tianjin University Science & Technology	483	1.38	3818	76.19	130
24	Sichuan Agricultural University	649	0.9	3595	70.26	139
25	Jiangsu University	485	1.36	3559	72.78	130
26	Southwest University - China	553	1.08	3408	72.15	128
27	Nankai University	238	1.59	3283	91.18	50
28	Hunan Agricultural University	353	1.16	3134	72.52	111
29	Shaanxi Normal University	254	1.72	3062	75.98	51
30	Wuhan University	260	1.56	3015	81.54	61
31	Tianjin University	266	1.47	3008	79.7	30
32	Nanjing University	269	1.36	2728	85.13	64
33	Zhejiang Gongshang University	277	1.59	2675	81.23	66
34	Nanjing Normal University	265	1.45	2633	81.51	76
35	Hebei Agricultural University	319	0.83	2492	62.38	62
36	Huazhong University of Science & Technology	239	1.43	2391	83.68	58
37	Shandong University	192	1.45	2352	85.42	26
38	Jinan University	332	1.52	2351	72.29	79
39	Northeast Forestry University - China	239	1.63	2347	83.68	67
40	Guangxi University	282	1.17	2314	74.82	50
41	Henan Agricultural University	347	1.03	2314	73.49	79
42	Fudan University	213	1.55	2298	87.32	92
43	Xiamen University	184	1.59	2217	80.98	57
44	Inner Mongolia Agricultural University	273	0.96	2184	72.89	102
45	Harbin Institute of Technology	217	1.24	2169	82.49	76
46	Fujian Agriculture & Forestry University	393	1.19	2047	71.76	131
47	Shenyang Agricultural University	452	0.84	2000	66.37	102
48	Qingdao Agricultural University	304	1.12	1974	71.71	70
49	Henan University of Technology	269	1.43	1957	77.32	40
50	Zhejiang University of Technology	202	1.42	1927	78.71	33
51	East China University of Science & Technology	181	1.38	1896	82.87	29
52	Shanghai Ocean University	200	1.5	1818	74	74
53	Gansu Agricultural University	249	0.93	1733	72.29	89
54	Anhui Agricultural University	289	1	1712	67.82	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	Zhejiang A&F University	264	1.23	1676	79.17	100
56	Henan Institute of Science & Technology	199	0.86	1635	67.84	30
57	Central South University	134	2.47	1600	80.6	31
58	China Pharmaceutical University	128	1.51	1474	87.5	20
59	Tsinghua University	160	1.68	1431	82.5	57
60	Hefei University of Technology	199	1.79	1372	75.38	24
61	Beijing Technology & Business University	227	1.09	1370	59.91	58
62	Shihezi University	203	1.01	1362	65.02	32
63	Henan University of Science & Technology	179	0.91	1329	67.04	25
64	Shanghai Normal University	75	1.95	1256	82.67	21
65	Shanxi University	121	1.29	1235	80.99	29
66	Kunming University of Science & Technology	130	1.21	1186	73.08	24
67	Suzhou University	183	1.2	1185	69.95	56
68	Nanjing Forestry University	196	0.95	1166	68.88	73
69	Jiangsu Normal University	64	1.76	1142	81.25	10
70	Nanjing University of Finance & Economics	128	1.9	1118	75	55
71	Northeast Normal University - China	114	1.04	1113	78.07	25
72	Shenyang Pharmaceutical University	112	1.52	1101	82.14	19
73	Guizhou University	112	1.04	1061	60.71	16
74	Jiangxi Agricultural University	188	1.19	1054	72.87	48
75	Yangtze University	157	1.28	1028	71.34	59
76	Yunnan Agricultural University	165	0.91	1024	75.15	53
77	Wuhan Polytechnic University	142	1.77	1015	76.76	57
78	Dalian University of Technology	71	1.19	1007	73.24	26
79	Fuzhou University	119	1.19	984	78.15	18
80	East China Normal University	89	1.57	968	86.52	30
81	Central China Normal University	82	1.64	959	80.49	4
82	Ningbo University	154	1.2	957	68.83	18
83	Tongji University	82	1.4	952	81.71	17
84	Nanjing University of Information Science & Technology	134	1.45	933	77.61	58
85	Harbin Medical University	91	1.31	928	84.62	25
86	Beijing University of Chemical Technology	104	1.38	924	87.5	36
87	China University of Geosciences	104	1.14	919	62.5	28
88	Hohai University	217	0.83	884	64.52	63

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	Jimei University	120	1.22	881	85.83	48
90	Fourth Military Medical University	54	2.02	880	90.74	7
91	Jilin Agricultural University	169	0.86	832	68.05	34
92	Yunnan University	90	1.2	817	83.33	23
93	Northwest University Xi'an	111	1.25	802	79.28	20
94	Dalian Polytechnic University	136	1.11	790	57.35	65
95	Hebei University	86	1.45	788	74.42	9
96	Hubei University of Technology	141	1.42	784	68.79	65
97	Hangzhou Normal University	100	1.6	759	80	27
98	Capital Normal University	81	1.01	757	80.25	37
99	Xi'an Jiaotong University	112	1.65	752	69.64	26
100	Fujian Normal University	71	1.67	743	81.69	31
101	Bohai University	102	1.57	740	77.45	19
102	Xinjiang Agricultural University	93	1.29	715	76.34	30
103	Central South University of Forestry & Technology	121	1.04	715	76.03	46
104	Huaihai Institute of Technology	62	1.52	704	70.97	10
105	South China Normal University	71	1.27	701	83.1	11
106	Hainan University	148	1.18	689	64.19	29
107	Shanxi Agricultural University	150	0.74	677	55.33	56
108	Guangdong Ocean University	97	0.83	674	68.04	16
109	Capital Medical University	76	1.19	668	78.95	12
110	Yantai University	71	1.31	648	80.28	6
111	Zhejiang Normal University	69	1.16	648	85.51	9
112	Shanghai University of Traditional Chinese Medicine	45	1.71	642	86.67	12
113	Zhengzhou University	97	1.1	641	65.98	14
114	Shanghai Institute of Technology	104	1.35	636	69.23	38
115	Shandong University of Technology	74	1.2	633	77.03	13
116	Shanghai University	71	1	630	78.87	7
117	Southeast University - China	66	1.49	630	77.27	22
118	Shanxi Normal University	61	1.66	615	72.13	7
119	Southern Medical University - China	76	1.72	608	72.37	14
120	Dalian Ocean University	29	1.98	603	65.52	11
121	Hebei University of Science & Technology	75	1.27	595	74.67	8
122	Hunan Normal University	44	1.32	590	75	8
123	Renmin University of China	74	0.95	578	70.27	43

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
124	Dalian Medical University	53	1.94	574	81.13	8
125	Wenzhou Medical University	39	1.69	568	76.92	14
126	Ludong University	62	1.11	562	77.42	11
127	University of Jinan	49	1.66	542	71.43	8
128	Nanjing University of Chinese Medicine	61	1.36	535	83.61	5
129	Zhejiang Ocean University	88	1.33	517	76.14	4
130	Hunan University	42	2.84	494	66.67	5

我校农业科学有 2 篇高被引论文，如图-16 所示：



图-16 济南大学农业科学高被引论文

详细记录：

1. 被引频次 65（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

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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 24 (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]

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7.3.6 环境学及生态学学科现状分析

环境学及生态学 2017 年 11 月国内高校 ESI 排名如表-17 所示。可以看出排在前 10 位的高校分别是中国科学院大学、北京大学、清华大学、浙江大学、北京师范大学、南京大学、同济大学、哈尔滨工业大学、南开大学和中山大学。在表-17 中，排名第 1 位的中国科学院大学至排名第 33 的华南理工大学，其环境学及生态学进入了 ESI 的前 1% 行列。我校的环境学及生态学按照 ESI 总被引频次在国内高校排名第 116 位，省内高校第 7 位。

表-17 ESI 环境学及生态学国内高校排名

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	5660	0.94	54817	78.02	1517
2	Peking University	2214	1.37	33689	84.55	1016
3	Tsinghua University	2306	1.34	29540	82.18	845
4	Zhejiang University	2123	1.23	28079	82.38	771
5	Beijing Normal University	2410	1.11	24909	80.95	792
6	Nanjing University	2130	1.16	23288	82.96	825
7	Tongji University	1638	1.1	17888	79.12	488
8	Harbin Institute of Technology	1098	1.27	14417	78.87	326
9	Nankai University	823	1.44	13671	83.72	226
10	Sun Yat Sen University	1157	1.18	13603	81.33	383
11	China Agricultural University	1102	1.08	12067	79.49	472
12	Fudan University	845	1.37	11378	81.54	364
13	Shanghai Jiao Tong University	885	0.98	10389	80.34	286
14	Nanjing Agricultural University	796	1.24	9896	79.52	250
15	Ocean University of China	1137	0.89	9611	76.52	264
16	Dalian University of Technology	634	1.15	9305	79.02	154
17	East China Normal University	717	1.1	8752	79.22	307
18	Lanzhou University	882	0.96	8353	81.41	326
19	China University of Geosciences	1179	0.8	8049	73.71	448
20	Xiamen University	796	0.9	7831	79.27	270

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
21	University of Science & Technology of China	499	1.37	7215	83.77	144
22	Shandong University	672	1.16	6865	78.72	164
23	Northwest A&F University - China	967	1.08	6831	73.32	366
24	Hohai University	1141	0.7	6826	67.57	395
25	Wuhan University	828	0.83	6321	74.4	258
26	Hunan University	408	1.54	5384	78.68	92
27	Beijing Forestry University	735	0.82	4943	74.42	246
28	Huazhong University of Science & Technology	503	1.04	4884	75.75	114
29	University Town of Shenzhen	474	1.1	4882	81.22	133
30	Zhejiang University of Technology	395	1.03	4877	78.73	91
31	Huazhong Agricultural University	567	0.92	4377	73.72	227
32	North China Electric Power University	444	1.36	4044	73.42	180
33	South China University of Technology	500	0.88	3996	76.6	137
34	Jinan University	470	1.09	3805	71.7	141
35	Shanghai University	300	1.11	3689	77	59
36	Beijing University of Technology	330	1.04	3302	75.15	94
37	South China Agricultural University	350	0.86	2985	76	149
38	Nanjing Normal University	425	0.8	2914	77.41	97
39	Nanjing University of Information Science & Technology	495	1.13	2861	68.69	214
40	Southeast University - China	360	0.78	2796	67.22	74
41	Sichuan University	558	0.63	2649	68.64	155
42	Central South University	337	1.51	2592	72.7	117
43	Northeast Normal University - China	355	0.79	2556	76.06	110
44	Chongqing University	427	0.89	2521	68.38	142
45	Tianjin University	451	0.83	2436	68.96	113
46	University of Science & Technology Beijing	316	0.74	2401	74.68	81
47	East China University of Science & Technology	298	0.93	2310	79.87	55
48	China University of Mining & Technology	536	0.62	2267	67.16	128
49	Xi'an Jiaotong University	309	0.87	2213	67.96	124
50	Guangdong University of Technology	149	1.29	2207	65.77	35
51	Dalian Maritime University	133	1.27	2141	83.46	49
52	Southwest University - China	336	0.72	2117	68.45	119
53	Jilin University	456	0.55	2037	63.82	99
54	Zhejiang A&F University	189	1.58	2025	77.78	102
55	Yunnan University	236	0.65	1853	80.08	82

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
56	Shanxi University	240	0.88	1830	77.08	60
57	Central China Normal University	125	1.2	1814	80.8	19
58	Kunming University of Science & Technology	194	0.98	1757	69.07	54
59	Shandong Agricultural University	157	1.2	1756	78.98	31
60	Henan Normal University	177	0.94	1705	72.32	17
61	Donghua University	178	1.24	1682	80.9	51
62	Wuhan University of Technology	135	1.25	1663	68.15	36
63	Shantou University	107	1.53	1641	85.05	33
64	Zhengzhou University	187	0.69	1638	67.38	44
65	Inner Mongolia University	154	0.88	1619	77.92	72
66	Xi'an University of Architecture & Technology	274	0.73	1582	67.88	67
67	South China Normal University	213	0.84	1574	80.28	62
68	Sichuan Agricultural University	252	0.89	1487	70.63	54
69	Hunan Agricultural University	174	1.18	1473	68.97	34
70	Beijing University of Chemical Technology	170	0.98	1469	70.59	33
71	Yangzhou University	123	1.09	1460	72.36	33
72	Northeast Forestry University - China	188	0.83	1434	69.15	58
73	Shanghai Ocean University	255	0.58	1399	74.9	93
74	Northeast Agricultural University - China	193	1.14	1375	68.91	40
75	Fujian Normal University	135	1.11	1335	68.15	70
76	Hefei University of Technology	205	0.79	1321	68.78	81
77	Nanjing Forestry University	217	0.71	1292	63.13	84
78	China University of Petroleum	232	0.69	1277	65.09	68
79	Renmin University of China	191	0.97	1260	77.49	64
80	Shanghai Normal University	82	1.33	1242	74.39	34
81	China Medical University	120	0.86	1221	76.67	39
82	Shaanxi Normal University	200	0.75	1172	63	43
83	Fuzhou University	85	1.22	1170	69.41	39
84	Jiangnan University	180	0.74	1169	71.67	29
85	Suzhou University	184	1.58	1165	73.91	48
86	Anhui Normal University	162	0.5	1106	76.54	31
87	Hangzhou Normal University	139	0.81	1090	69.78	42
88	Beijing Institute of Technology	133	1.24	1067	80.45	37
89	Qingdao University of Science & Technology	116	0.67	1063	75.86	22
90	Nanjing Medical University	118	0.69	1055	71.19	32
91	Guilin University of Technology	129	0.67	1052	66.67	24

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
92	Wenzhou Medical University	111	0.84	1008	79.28	45
93	Shenzhen University	118	1.35	987	75.42	51
94	Hebei Agricultural University	89	0.92	975	74.16	24
95	Guangxi University	198	0.59	967	64.14	62
96	Chang'an University	214	1.17	960	65.89	72
97	Capital Normal University	156	0.66	952	74.36	46
98	Xinjiang University	140	0.85	949	72.14	37
99	Beihang University	149	0.92	944	77.18	27
100	Zhejiang Gongshang University	161	0.94	940	75.16	31
101	Zhejiang Normal University	92	1.16	901	76.09	26
102	Henan University	136	0.84	900	70.59	52
103	Nanjing University of Technology	116	1.02	893	75.86	30
104	Chengdu University of Technology	180	0.41	877	55	40
105	Inner Mongolia Agricultural University	134	0.55	861	67.91	74
106	Nanchang University	139	0.6	843	73.38	49
107	Northwest Normal University - China	91	0.7	834	72.53	20
108	Hebei University	80	0.66	824	81.25	13
109	Central South University of Forestry & Technology	90	0.99	800	72.22	44
110	Qingdao Agricultural University	120	0.84	788	73.33	31
111	Capital Medical University	126	0.75	778	67.46	29
112	Tianjin University Science & Technology	83	1.02	778	77.11	23
113	Jiangsu University	199	0.74	767	60.3	30
114	Southern Medical University - China	78	1	767	76.92	21
115	Anhui Agricultural University	113	1	758	70.8	38
116	University of Jinan	115	0.79	744	75.65	27
117	Tianjin Normal University	127	0.77	698	70.08	46
118	Second Military Medical University	70	0.51	687	80	10
119	Ningbo University	100	0.94	686	67	15
120	Northwest University Xi'an	143	0.65	671	71.33	51

我校环境科学与生态学有 1 篇高被引论文，如图-17 所示：

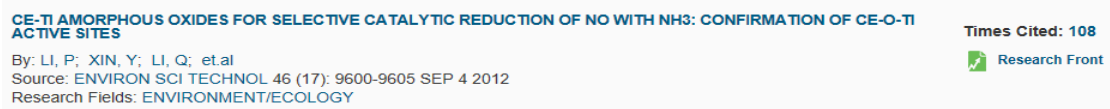


图-17 济南大学环境科学与生态学高被引论文

详细记录：

1.被引频次 108（济南大学是第 1 作者和通讯作者单位，化学化工学院）

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

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

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