

长安大学 ESI 月报

(2021 年 7 月 8 日更新数据)

数据统计分析：长安大学图书馆参考咨询部

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自 2018 年 5 月起，根据 ESI 数据库的更新时间，长安大学图书馆参考咨询部每单数月份会出具一份《长安大学 ESI 月报》，对我校 ESI 高被引论文、ESI 全球前 1% 学科以及我校优势潜力学科的表现力进行分析，以供学校相关职能部门、各院系、教职工参考查阅。

数据源简介：

Essential Science Indicators（基本科学指标，简称 ESI）是一个基于 Web of Science 核心合集数据库的深度分析型研究工具，它可以确定出在某个研究领域有影响力的国家、机构、论文、出版物以及研究前沿。这种独特而全面的、基于论文产出和引文影响力深入分析的数据是政府机构、大学、企业、出版公司和基金会的决策者、管理者、情报分析人员和信息专家理想的分析资源，用户可以通过它对科研绩效和发展趋势进行长期的定量分析。基于期刊论文发表数量和引文数据，ESI 能够提供 22 个学科研究领域中的国家、机构和期刊的科研绩效统计和科研实力排名。

ESI 高被引论文（Highly Cited Paper）是指将最近十年发表的论文按照同一年、同一 ESI 学科论文的被引频次由高到低进行排序，排在世界前 1% 的论文。从理论上讲，如果一篇论文被引频次达到前 1% 则表明该论文达到学科较高水平，具有较高的影响力。ESI 热点论文（Hot Paper）是指最近 2 年内发表的论文且该论文在最近 2 个月内被引次数排在全球相应学科领域的前 1% 以内。

本次数据统计分析时间：2021.7.9

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2021年7月8日，最新一期的ESI数据更新，其统计数据覆盖的时间范围为2011年1月1日至2021年4月30日（跨度为十年四个月）。数据显示本次全球上榜机构总数为7264所，相对于2021年5月公布的数据增加了156所；中国上榜机构数为634所（大陆534，台湾84，香港14，澳门2），比2021年5月增加了4所；中国上榜高校数为402所（大陆340，台湾52，香港8，澳门2），比2021年5月数据增加了2所。其中，大陆新增2所上榜高校。新增上榜高校为：**长春工业大学、北京信息科技大学**。

下面对长安大学在本次统计数据覆盖时间范围内的表现进行分析。

一. 长安大学 ESI 高被引论文情况

本次ESI统计数据显示，全球位列ESI高水平研究机构总数为7264所，我校位列2030（上期为2068位），ESI全球排位27.95%（上期为29.09%），较上期上涨1.14%；中国位列ESI全球高水平研究机构总数为634所，我校位列247位（上期为248位），排位38.96%（上期为39.37%），较上期上涨0.41%。

1 高被引、热点论文概况

本期长安大学共有四个ESI学科进入全球排名前1%，分别为：**工程学（Engineering）、材料科学（Materials Science）、地球科学(Geosciences)和环境/生态科学（Environment/Ecology）**。本次数据统计覆盖范围内，我校发表的WOS论文总数为8486，总被引频次为65233次，篇均被引频次为7.69次，其中ESI高被引论文有109篇（见附表1，其发表的年代分布见图1），比上期（116篇）减少7篇。

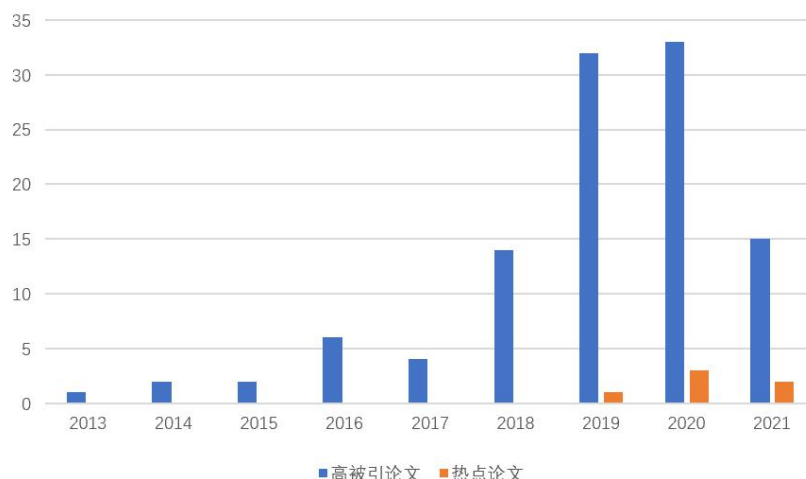


图 1 2021 年 7 月长安大学 ESI 高被引论文、热点论文的年代分布

这些 ESI 高被引论文分布在：环境/生态科学领域 34 篇，工程学领域 34 篇，地球科学领域有 12 篇，社会科学总论 6 篇，材料科学领域 6 篇，数学领域 6 篇，化学领域 6 篇，计算机科学领域 3 篇，农业科学领域 1 篇，经济与商业领域 1 篇。我校作为第一作者单位发表的 ESI 高被引论文有 76 篇，其中包括作为第一通讯作者发表的 ESI 高被引论文 4 篇（见附表 2），作为合作单位发表的 ESI 高被引论文数为 33 篇（见附表 3）。

本期我校 ESI 热点论文有 6 篇，环境/生态科学领域 1 篇，地球科学领域 1 篇，社会科学总论领域 1 篇，数学领域 1 篇，工程学领域 2 篇；我校作为第一作者单位发表的 ESI 热点论文有 4 篇，作为合作单位发表的热点论文有 2 篇（见附表 4）。

2 高被引、热点论文院系分布

本期我校 109 篇 ESI 高被引论文的院系分布情况：水利与环境学院 46 篇（其中第一作者单位论文数 42 篇，合作发表论文数 4 篇；“第一作者单位”包括第一通讯作者单位，下同），位居首位；其次是公路学院 15 篇（其中第一作者单位论文数 11 篇，合作发表论文数 4 篇）；地质工程与测绘学院 11 篇（其中第一作者单位论文数 2 篇，合作发表论文数 9 篇）；汽车学院 10 篇（其中第一作者单位论文数 10 篇）；信息工程学院 7 篇（其中第一作者单位论文数 5 篇，合作发表论文数 2 篇）；材料科学与工程学院 7 篇（其中其第一作者单位论文数 1

篇，合作发表论文数 6 篇）；经济与管理学院 5 篇（其中第一作者单位论文数 1 篇，合作发表论文数 4 篇）；理学院 4 篇（其中第一作者单位论文数 3 篇，合作发表 1 篇）；地球科学与资源学院 2 篇（其中合作发表论文数 2 篇）；工程机械学院 2 篇（其中第一作者单位论文数 1 篇，合作发表论文数 1 篇）。

从本期 ESI 数据可以看出，本期长安大学高被引文章总体较上期减少。水利与环境学院高被引论文较上期减少，总量上仍居首位，公路学院、信息工程学院、地球科学与资源学院也略有减少，其他学院相对稳定。本期高被引论文数量较上期增加的学院有：材料科学与工程学院、汽车学院、理学院。

本期我校 ESI 热点论文 6 篇，较上期有所增加，理学院本期首次上榜热点论文。

我校近 16 期 ESI 高被引论文和 ESI 热点论文的院系分布变化情况可参考表 1 和表 2。

统计方法：下表在统计高被引论文和热点论文的学院分布时，未区分第一作者单位、通讯作者。

表 1 近 16 期长安大学 ESI 高被引论文院系分布情况

ESI 更新时间	公路学院	水利与环境 学院	汽车学院	信息工 程学院	地质工 程与测 绘学院	材料科 学与工 程学院	地球科 学与资 源学院	理学院	工程机 械学院	经济管 理学院	建筑工 程学院
2019.1.19	19	10	6	4	3	3	2	1			
2019.3.14	15	11	6	4	4	3	1	1			
2019.5.9	23	11	6	4	4	3	1	1			
2019.7.11	26	10	5	9	6	2	1	1			
2019.9.11	37	18	7	7	6	3	1	2			
2019.11.15	41	29	8	8	5	1	2	2			

ESI 更新时间	公路学院	水利与环境 学院	汽车学院	信息工 程学院	地质工 程与测 绘学院	材料科 学与工 程学院	地球科 学与资 源学院	理学院	工程机 械学院	经济管 理学院	建筑工 程学院
2020.1.9	39	28	12	6	6	2	2	2	1		
2020.3.12	36	25	9	8	6	2	2	2	1		
2020.5.14	28	35	8	8	6	3	2	3	2	1	
2020.7.9	36	38	8	8	8	3	2	4	2	3	
2020.9.10	35	43	10	7	7	4	3	4	2		
2020.11.24	31	42	9	6	7	3	2	4	3	3	
2021.1.21	31	43	10	6	9	4	2	4	3	4	1
2021.3.25	26	49	10	8	11	5	2	3	2	4	1
2021.5.13	18	52	9	8	11	5	3	3	2	5	
2021.7.8	15	46	10	7	11	7	2	4	2	5	

表 2 近 16 期长安大学 ESI 热点论文院系分布情况

ESI 更新时 间	公路学院	信息工程学院	汽车学院	地质工程与 测绘学院	水利与环境学院	经济与管理学院	理学院
2019.1.19	2	2	1	1			
2019.3.14		1		1			
2019.5.9	6			2			
2019.7.11	本期我校无 ESI 热点论文						
2019.9.11					4		

ESI 更新时间	公路学院	信息工程学院	汽车学院	地质工程与 测绘学院	水利与环境学院	经济与管理学院	理学院
2019.11.15	1	1					
2020.1.9				1			
2020.3.12					1		
2020.5.14					7		
2020.7.9	5				2		
2020.9.10	1				7		
2020.11.24	2		1			1	
2021.1.21		1	1			1	
2021.3.25					3		
2021.5.13			1	1		2	
2021.7.8			2		1	2	1

3 高被引论文作者

在本期 109 篇高被引文章中，76 篇为第一作者发表（包括通讯第一作者）从 ESI 高被引论文的作者分布来看，共 45 位作者的文章进入各自领域前 1%，其中 10 位作者 ESI 高被引文章 ≥ 2 篇。同时可以看出，我校已经涌现出一批发文量、被引频次较高的作者，高被引文章数量都较为稳定。我们对其院系分布、高被引论文数量（仅限第一作者署名单位为长安大学）进行了统计分析详见表 3。

表 3 长安大学 ESI 高被引论文、热点论文的作者分布情况
(仅统计第一作者署名单位为长安大学的作者)

作者	所属院系	高被引论文数
Li, Peiyue	水利与环境学院	12
Adimalla, Narsimha	水利与环境学院	8
He, Xiaodong	水利与环境学院	4
Wu, Jianhua	水利与环境学院	4
Chen, Hao	汽车学院	3

Bao, Xiongxiang	理学院	2
Qiu, Junling	公路学院	2
Wang, Qizhao	水利与环境学院	2
Zhao, Xuan	汽车学院	2
Zhu, Qi	水利与环境学院	2
Chen, Jie	水利与环境学院	1
Chen, Zhanming	汽车学院	1
Ding, Kai	工程机械学院	1
Dong, Ming	信息工程学院	1
Geng, Limin	汽车学院	1
He, Song	水利与环境学院	1
Hui, Fei	信息工程学院	1
Huo, Aidi	水利与环境学院	1
Ji, Yujie	水利与环境学院	1
Kang, LiuWang	汽车学院	1
Leng, Yanqiu	地质工程与测绘学院	1
Li, Ang	公路学院	1
Li, Yi	经济与管理学院	1
Luo, Pingping	水利与环境学院	1
Ma, Enlin	公路学院	1
Ren, Chongfeng	水利与环境学院	1
Sun, Shijie	信息工程学院	1
Wang, Dan	水利与环境学院	1
Wang, Liping	水利与环境学院	1
Wang, Lixin	公路学院	1
Wang, Yonggang	公路学院	1
Wang, Zhichao	公路学院	1
Wang, Zhi-Feng	公路学院	1
Xie, Shaobo	汽车学院	1
Xu, Shuoshuo	公路学院	1
Xu, Zhigang	信息工程学院	1
Zhang, Jiupeng	公路学院	1
Zhang, Li	理学院	1
Zhang, Wei	信息工程学院	1
Zhang, WX	材料科学与工程学院	1
Zhang, Yuting	水利与环境学院	1
Zhou, Shiqian	水利与环境学院	1
Zhou, Zhijun	公路学院	1
Zhu, Guohua	汽车学院	1
Zhuang, Jianqi	地质工程与测绘学院	1

4 高被引论文来源期刊

我们对 109 篇 ESI 高被引论文的来源期刊进行分析后，统计了 65 种来源期刊的名称、发文数量和影响因子（表 4）。其中，*EXPOSURE AND HEALTH* 是我校 ESI 高被引论文发文量最高的期刊，影响因子为 11.422，发表高被引论文为 12 篇；影响因子最高的期刊为 *APPLIED CATALYSIS B-ENVIRONMENTAL*，影响因子高达 19.503，发表的高被引论文有 4 篇。通过期刊规范化的引文影响力（Journal Normalized Citation Impact, JNCI）数值可以看到，我校 ESI 高被引论文来源期刊的 JNCI 值都大于 1，表明我校高被引论文的影响力均高于这些期刊的平均影响力。图 2 展示了我校 109 篇 ESI 高被引论文的 65 种来源期刊的分区占比情况，其中 Q1 区的占比最高，Q2 区其次，两个区的占比达 85.29%（上期为 86.76%左右），表明我校本期 ESI 高被引论文来源期刊的质量较高。

表 4 长安大学 ESI 高被引论文的 65 种来源期刊列表（按被引频次排序）

期刊名称	序号	Web of Science 论文数	被引频次	分区	期刊影响因子	期刊规范化的引文影响力
EXPOSURE AND HEALTH	1	12	1199	Q1	11.422	6.23
HUMAN AND ECOLOGICAL RISK ASSESSMENT	2	6	440	Q1	5.19	11.54
ENVIRONMENTAL EARTH SCIENCES	3	3	382	Q2	2.784	18.94
JOURNAL OF HAZARDOUS MATERIALS	4	4	314	Q1	10.588	3.89
APPLIED CATALYSIS B-ENVIRONMENTAL	5	4	278	Q1	19.503	2.38
JOURNAL OF MATERIALS CHEMISTRY A	6	2	226	Q1	12.732	4.56
APPLIED ENERGY	7	2	214	Q1	9.746	3.76
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	8	2	203	Q2	4.223	19.1
NANO ENERGY	9	1	174	Q1	17.881	3.97
ENGINEERING GEOLOGY	10	4	173	Q1	6.755	5.05
SCIENCE OF THE TOTAL ENVIRONMENT	11	2	168	Q1	7.963	5.17
CHEMICAL ENGINEERING JOURNAL	12	1	155	Q1	13.273	3.57
ARABIAN JOURNAL OF GEOSCIENCES	13	1	145	Q3	1.827	24.92
GEOCHIMICA ET COSMOCHIMICA ACTA	14	1	138	Q1	5.01	4.32
ACS NANO	15	2	126	Q1	15.881	4.60
ENERGY	16	2	114	Q1	7.147	5.05
ENVIRONMENTAL GEOCHEMISTRY AND HEALTH	17	4	112	Q1	4.609	11.09
MINE WATER AND THE ENVIRONMENT	18	1	106	Q2	2.883	13.04
APPLIED AND COMPUTATIONAL	19	1	104	Q1	3.898	9.36

期刊名称	序号	Web of Science 论文数	被引频次	分区	期刊影响因子	期刊规范化的引文影响力
MATHEMATICS						
CATENA	20	1	98	Q1	5.198	8.25
MEDITERRANEAN JOURNAL OF MATHEMATICS	21	1	97	Q2	1.4	18.37
GEOMATICS NATURAL HAZARDS & RISK	22	1	93	Q2	3.528	7.12
JOURNAL OF CLEANER PRODUCTION	23	3	91	Q1	9.297	7.80
INTERNATIONAL JOURNAL OF WATER RESOURCES DEVELOPMENT	24	1	88	Q1	4.66	8.53
JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES	25	2	85	Q3	2.372	12.12
SCIENCE BULLETIN	25	1	85	Q1	11.78	5.97
APPLIED SCIENCES-BASEL	27	1	82	Q2	2.679	13.82
TRANSPORTATION RESEARCH PART C-EMERGING TECHNOLOGIES	27	1	82	Q1	8.089	4.39
APPLIED THERMAL ENGINEERING	29	1	80	Q1	5.295	6.28
TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY	30	2	77	Q1	5.915	11.465
RISK ANALYSIS	31	2	76	Q1	4	7.83
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH	32	1	72	Q1	8.568	8.13
JOURNAL OF PHYSICAL CHEMISTRY LETTERS	33	1	61	Q1	6.475	6.21
ENGINEERING WITH COMPUTERS	34	1	60	Q1	7.963	23.18
FILOMAT	34	1	60	Q3	0.844	22.21
ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY	36	1	57	Q1	6.291	6.26
KNOWLEDGE-BASED SYSTEMS	36	1	57	Q1	8.038	4.8
GEOCHEMISTRY	38	2	56	Q3	2.292	10.02
TRANSPORTATION RESEARCH PART D-TRANSPORT AND ENVIRONMENT	39	2	54	Q1	5.495	6.8
INTERNATIONAL JOURNAL OF GEOMECHANICS	39	1	54	Q2	3.819	10.01
COMPUTERS AND GEOTECHNICS	41	1	49	Q1	4.956	6.43
SUSTAINABLE DEVELOPMENT	42	1	48	Q1	6.159	13.12
IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS	43	1	44	Q1	6.492	4.8
ENERGY STORAGE MATERIALS	44	1	40	Q1	17.789	3.5
INTERNATIONAL JOURNAL OF IMPACT	45	1	36	Q1	4.208	15.5

期刊名称	序号	Web of Science 论文数	被引频次	分区	期刊影响因子	期刊规范化的引文影响力
ENGINEERING GEOFLUIDS	46	1	35	Q2	2.176	12.2
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH	47	1	33	Q1	3.39	9.96
ENERGY CONVERSION AND MANAGEMENT	48	1	28	Q1	9.709	4.96
ENGINEERING FAILURE ANALYSIS	48	2	28	Q2	3.114	10.11
ACCIDENT ANALYSIS AND PREVENTION	50	1	27	Q1	4.993	3.37
INTERNATIONAL JOURNAL OF LOGISTICS-RESEARCH AND APPLICATIONS	51	1	24	Q3	3.821	11.48
JOURNAL OF HYDROLOGY	51	1	24	Q1	5.722	8.85
ACTA MATHEMATICA SINICA-ENGLISH SERIES	53	1	23	Q3	0.955	16.43
ADVANCES IN CIVIL ENGINEERING	54	1	21	Q3	1.924	11.17
LANDSLIDES	54	1	21	Q1	6.578	7.19
JOURNAL OF THE ENERGY INSTITUTE	56	1	15	Q2	6.186	15
GEOSCIENCE FRONTIERS	56	1	15	Q1	6.853	8.43
COMMUNICATIONS ON PURE AND APPLIED ANALYSIS	56	1	15	Q1	1.916	15
NONLINEAR ANALYSIS-REAL WORLD APPLICATIONS	59	1	14	Q1	2.763	7.54
IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE	60	1	13	Q1	16.389	2.26
ROBOTICS AND COMPUTER-INTEGRATED MANUFACTURING	61	1	9	Q1	5.666	9
MEASUREMENT	62	1	7	Q1	3.927	7
EUROPEAN JOURNAL OF ENVIRONMENTAL AND CIVIL ENGINEERING	63	1	6	Q2	2.516	6
ECOLOGICAL INDICATORS	63	1	6	Q2	4.958	6
JOURNAL OF BUILDING ENGINEERING	63	1	6	Q1	5.318	6



图2 长安大学 109 篇 ESI 高被引论文来源期刊的分区占比图

二. 我校 ESI 前 1% 学科概况与优势学科预测

本期我校有四个学科进入 ESI 全球前 1%: 工程学、地球科学、材料科学和环境/生态科学。

1 工程学

本期我校在工程学领域共发表 ESI 论文 2,723 篇 (ESI 高被引论文 34 篇), 总被引次数为 16,476 次, 篇均被引 6.05 次。本期全球有 1,765 所机构 (中国机构 332 所) 的工程学学科进入 ESI 全球排名前 1% 行列, 我校位列 485 位 (在中国机构中位列 93 位), 全球排位 27.48% (上期排位 29.38%), **进入全球工程学 ESI 机构排名前千分之三**。表 5 为近 16 期我校工程学 Web of Science 发文量、被引频次以及 ESI 排名情况。

表 5 长安大学工程学发文量、被引频次以及 ESI 排名情况 (近 16 期数据比较)

更新时间	中国机构排名	ESI 全球排名	论文数	被引频次
2019.1.19	121	879	1,080	4,880
2019.3.14	122	863	1,140	5,283
2019.5.9	120	790	1,190	5,578
2019.7.11	126	769	1,276	6,153
2019.9.11	122	747	1,386	6,686
2019.11.15	120	723	1,489	7,338

2020.1.9	119	714	1,576	8,011
2020.3.12	118	701	1,680	8,799
2020.5.14	113	635	1,772	9,127
2020.7.9	110	608	1,917	10,156
2020.9.10	110	599	2,048	11,098
2020.11.24	110	587	2,207	12,192
2021.1.21	105	565	2,368	13,463
2021.3.25	99	545	2,502	14,631
2021.5.13	96	506	2,593	15,124
2021.7.8	93	485	2,723	16,476

注：中国机构包括了中国大陆机构和港、澳、台地区机构。下同。

2 地球科学

本期我校在地球科学领域共发表 ESI 论文 1,434 篇 (ESI 高被引论文 12 篇)，总被引次数为 12,072 次，篇均被引 8.42 次。本期全球有 823 所机构 (中国机构 84 所) 的地球科学进入 ESI 全球排名前 1% 行列，我校位列 540 位 (中国机构中位列 54 位)，全球排位 65.61% (比上期提升约 1.76%)。表 6 为近 11 期我校地球科学 Web of Science 发文量、被引频次以及 ESI 排名情况。

表 6 长安大学地球科学发文量、被引频次以及 ESI 排名情况 (近 11 期数据比较)

更新时间	中国机构排名	ESI 全球排名	论文数	被引频次
2019.11.15	98	717	897	6,813
2020.1.9	61	672	950	7,295
2020.3.12	61	665	1,003	7,802
2020.5.14	56	617	1,035	7,830
2020.7.9	59	612	1,086	8,374
2020.9.10	57	605	1,151	8,970
2020.11.24	57	605	1,194	9,589
2021.1.21	56	596	1,256	10,371
2021.3.25	54	589	1,321	11,117
2021.5.13	54	543	1,365	11,320
2021.7.7	54	540	1,434	12,072

3 材料科学

本期我校在材料科学领域共发表 ESI 论文 1,572 篇 (ESI 高被引论文 6 篇)，总被引次数为 13,075 次，篇均被引 8.32 次。本期全球有 1038 所机构 (中国机构 233 所) 的材料科学进入 ESI 全球排名前 1% 行列，我校位列 678 位 (中国机构中位列 164 位)，全球排位 65.32% (比上期提升 2.66%)。表 7 为近 9 期我校材料科学 Web of Science 发文量、被引频次以及 ESI 排名情况。

表 7 长安大学材料科学发文量、被引频次以及 ESI 排名情况 (近 9 期数据比较)

更新时间	中国机构排名	ESI 全球排名	论文数	被引频次
2020.3.12	167	921	1,081	7,103
2020.5.14	188	876	1,107	7,117
2020.7.9	177	828	1,196	8,020
2020.9.10	176	808	1,258	8,797
2020.11.24	173	790	1,326	9,625
2021.1.21	172	772	1,396	10,538
2021.3.25	169	740	1,461	11,610
2021.5.13	166	690	1,507	11,995
2021.7.7	164	678	1,572	13,075

4 环境/生态科学

本期我校在环境/生态科学领域共发表 ESI 论文 912 篇（ESI 高被引论文 34 篇），总被引次数为 10,069 次，篇均被引 11.04 次。本期全球有 1,300 所机构（中国机构 159 所）的环境/生态科学进入 ESI 全球排名前 1% 行列，我校位列 766 位（中国机构中位列 75 位），全球排位 58.92%（比上期提升 1.54%）。表 8 为近 8 期我校环境/生态科学 Web of Science 发文量、被引频次以及 ESI 排名情况。

表 8 长安大学环境/生态科学发文量、被引频次以及 ESI 排名情况（近 8 期数据比较）

更新时间	中国大陆机构排名	ESI 全球排名	论文数	被引频次
2020.5.14	92	971	632	5,085
2020.7.9	81	942	679	5,615
2020.9.10	89	897	728	6,347
2020.11.24	88	887	773	6,920
2021.1.21	86	870	816	7,575
2021.3.25	84	848	839	8,346
2021.5.13	80	760	869	9,106
2021.7.7	84	766	912	10,069

5 优势学科分析

表 9 为 2011-2021 年（统计时采用的 Incites 数据库更新时间为 2021.7.7）我校 ESI 各学科的发文情况，可以看到工程学、材料科学、地球科学和环境/生态科学为我校的优势学科，其在发文数量、被引频次和学科规范化的引文影响力（Category Normalized Citation Impact, CNCI）值上均具有一定的影响力；化学学科为我校的潜力发展学科，要实现突破仍需要一定的努力；其他领域研究发文数量和被引频次相对较少。

表 9 长安大学 2011-2021 年 ESI 各学科发文概况

学科名称	排名	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
Engineering	1	2774	1.01	17937	70.58

Materials Science	2	1607	0.82	13898	79.15
Geosciences	3	1449	1.03	12592	77.78
Environment/Ecology	4	932	1.41	10540	73.71
Chemistry	5	680	0.95	6425	82.79
Physics	6	321	0.72	2333	77.26
Computer Science	7	261	1.32	1612	66.28
Mathematics	8	165	1.40	712	59.39
Social Sciences, general	9	164	2.00	1173	68.90
Agricultural Sciences	10	57	1.39	472	68.42
Space Science	11	44	0.47	287	77.27
Biology & Biochemistry	12	40	1.53	357	87.5
Economics & Business	13	34	1.70	197	58.82
Clinical Medicine	14	27	0.45	114	62.96
Plant & Animal Science	15	25	0.92	210	76
Psychiatry/Psychology	16	22	0.69	80	54.55
Neuroscience & Behavior	17	10	0.34	80	80
Pharmacology & Toxicology	18	8	0.92	123	87.5
Multidisciplinary	19	7	0.33	34	71.43
Microbiology	20	5	1.24	84	80
Immunology	21	3	0.89	32	100
Molecular Biology & Genetics	21	3	0.27	32	100

注：选取的是 Article 和 Review 类型的文献做统计

我们对发文量前 9（考虑到这几个 ESI 学科涉及到了我校相关研究领域）的 ESI 学科进行了分析，可以看出工程学的发文量、被引频次均为最高，一直保持着较为稳定的发展趋势；地球科学的被引频次次之，发展也相对稳定；材料科学、环境/生态科学发展也相对稳定。

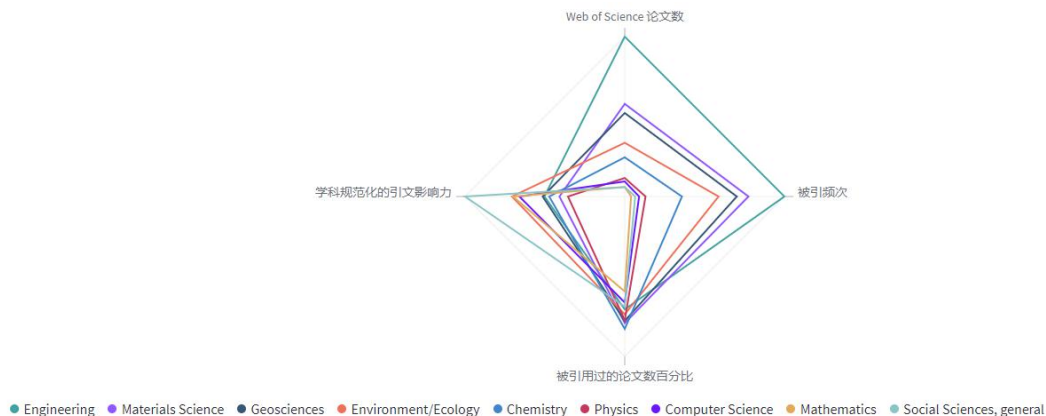
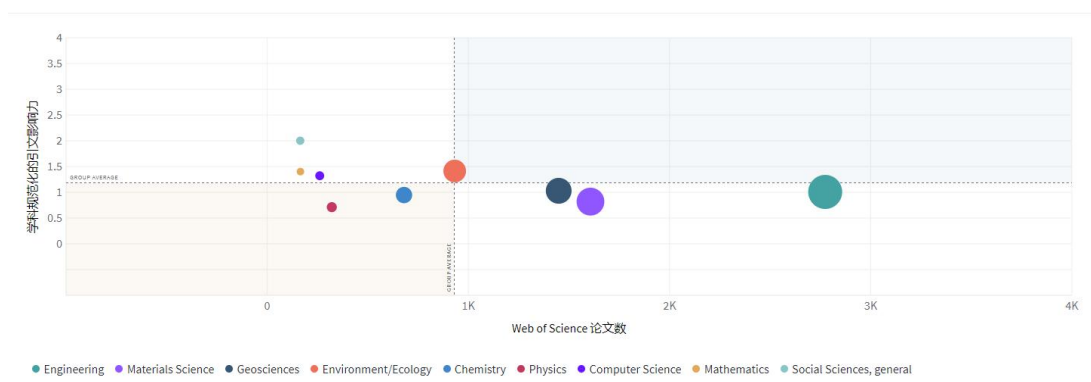


图 3 长安大学发文量前 9 的 ESI 学科发文量、被引频次、CNCI、论文被引百分比的雷达图

从图 4 可以看到，已进入全球排名前 1% 的工程学、地球科学、材料科学、

环境/生态科学为我校优势学科；化学学科的被引频次排在第 5 位，属于潜力优势学科，而且其 CNCI 值很接近 1，表明我校这个领域的研究水平已经接近国际水平；其中特别值得注意的是：社会科学总论的 CNCI 值为最高，超过了 2，经济学和商业的 CNCI 值为 1.7，都是我校的潜力发展学科领域。



注：图中点的半径表示该领域论文被引的次数

图 4 2011-2021 年长安大学发文量 TOP9 的 ESI 学科 CNCI 值表现情况

6 潜力学科预测

在对 22 个 ESI 学科的阈值与我校各学科的被引频次进行比较后，我们进一步对具有进入全球前 1%潜力的学科进行了预测（图 5），从图中可以看出，化学学科与 ESI 全球前 1%的机构阈值接近度已达 74%左右，是我校下一个有望突破 ESI 全球前 1%的学科，仍需要全校相关研究领域的科研人员继续努力，以提高发文数量和被引频次；接近度排名第二的为社会科学总论，约为 70.49%，也是我校的潜力发展学科领域。

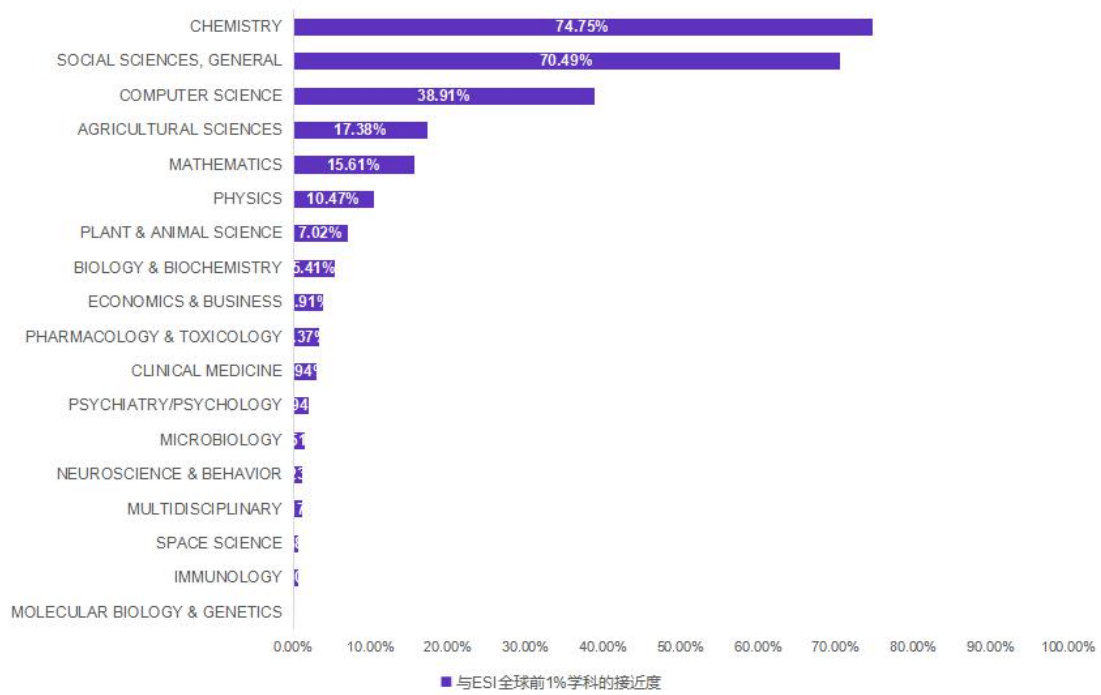


图5 长安大学具有潜力进入 ESI 全球前 1%的学科预测情况

注：由于 Incites 数据库与 ESI 数据库更新时间不同，数据预测与实际结果存在正常范围内的误差，预测结果仅供参考。

附表

附表 1 长安大学 ESI 高被引论文列表 (按 ESI 被引次数排序)

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
1	EVALUATION OF SHALLOW GROUNDWATER CONTAMINATION AND ASSOCIATED HUMAN HEALTH RISK IN AN ALLUVIAL PLAIN IMPACTED BY AGRICULTURAL AND INDUSTRIAL ACTIVITIES, MID-WEST CHINA	000381997600002	WU, JH;SUN, ZC	EXPOSURE AND HEALTH 8 (3): 311-329 SEP 2016	ENVIRONMENT/ ECOLOGY	248
2	APPRAISING GROUNDWATER QUALITY AND HEALTH RISKS FROM CONTAMINATION IN A SEMIARID REGION OF NORTHWEST CHINA	000381997600005	LI, PY;LI, XY;MENG, XY;LI, MN;ZHANG, YT	EXPOSURE AND HEALTH 8 (3): 361-379 SEP 2016	ENVIRONMENT/ ECOLOGY	177
3	BUILDING A NEW AND SUSTAINABLE SILK ROAD ECONOMIC BELT	000362903400023	LI, PY;QIAN, H;HOWARD, KWF;WU, JH	ENVIRONMENTAL EARTH SCIENCES 74 (10): 7267-7270 NOV 2015	ENVIRONMENT/ ECOLOGY	175
4	PROMOTING LITHIUM POLYSULFIDE/SULFIDE REDOX KINETICS BY THE CATALYZING OF ZINC SULFIDE FOR HIGH PERFORMANCE	000440682100009	XU, J;ZHANG, WX;FAN, HB;CHENG, FL;SU, DW;WANG, GX	NANO ENERGY 51: 73-82 SEP 2018	MATERIALS SC IENCE	168
5	LITHIUM-SULFUR BATTERY OCCURRENCE AND HEALTH IMPLICATION OF FLUORIDE IN GROUNDWATER OF LOESS AQUIFER IN THE CHINESE LOESS PLATEAU: A CASE	000469217300003	LI, PY;HE, XD;LI, Y;XIANG, G	EXPOSURE AND HEALTH 11 (2): 95-107 SP. ISS. SI JUN 2019	ENVIRONMENT/ ECOLOGY	158

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
6	STUDY OF TONGCHUAN, NORTHWEST CHINA MICROWAVE-ASSISTED IN SITU SYNTHESIS OF REDUCED GRAPHENE OXIDE-BIVO4 COMPOSITE PHOTOCATALYSTS AND THEIR ENHANCED PHOTOCATALYTIC PERFORMANCE FOR THE DEGRADATION OF CIPROFLOXACIN HYDROGEOCHEMICAL CHARACTERIZATION OF	000317878400014	YAN, Y;SUN, SF;SONG, Y;YAN, X;GUAN, WS;LIU, XL;SHI, WD	JOURNAL OF HAZARDOUS MATERIALS 250: 106-114 APR 15 2013	ENGINEERING	155
7	GROUNDWATER IN AND AROUND A WASTEWATER IRRIGATED FOREST IN THE SOUTHEASTERN EDGE OF THE TENGER DESERT, NORTHWEST CHINA PROGRESS, OPPORTUNITIES, AND KEY FIELDS FOR GROUNDWATER QUALITY RESEARCH UNDER THE IMPACTS OF HUMAN ACTIVITIES IN CHINA WITH A SPECIAL FOCUS ON WESTERN CHINA	000381997600003	LI, PY;WU, JH;QIAN, H;ZHANG, YT;YANG, NA;JING, LJ;YU, PY	EXPOSURE AND HEALTH 8 (3): 331-348 SEP 2016	ENVIRONMENT/ ECOLOGY	154
8	MICROWAVE SYNTHESIS OF A NOVEL MAGNETIC IMPRINTED TIO2 PHOTOCATALYST WITH EXCELLENT TRANSPARENCY FOR SELECTIVE PHOTODEGRADATION OF	000401566600006	LI, PY;TIAN, R;XUE, CY;WU, JH	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH 24 (15): 13224-13234 MAY 2017	ENVIRONMENT/ ECOLOGY	154
9	MICROWAVE SYNTHESIS OF A NOVEL MAGNETIC IMPRINTED TIO2 PHOTOCATALYST WITH EXCELLENT TRANSPARENCY FOR SELECTIVE PHOTODEGRADATION OF	000337554100003	LU, ZY;CHEN, F;HE, M;SONG, MS;MA, ZF;SHI, WD;YAN, YS;LAN, JZ;LI, F;XIAO, P	CHEMICAL ENGINEERING JOURNAL 249: 15-26 AUG 1 2014	ENGINEERING	153

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
	ENROFLOXACIN HYDROCHLORIDE RESIDUES SOLUTION					
10	MOF-DERIVED POROUS N-CO ₃ O ₄ @N-C NANODODECAHEDRA WRAPPED WITH REDUCED GRAPHENE OXIDE AS A HIGH CAPACITY CATHODE FOR LITHIUM-SULFUR BATTERIES	000424466300041	XU, J;ZHANG, WX;CHEN, Y;FAN, HB;SU, DW;WANG, GX	JOURNAL OF MATERIALS CHEMISTRY A 6 (6): 2797-2807 FEB 14 2018	MATERIALS SC IENCE	148
11	HYDROCHEMICAL APPRAISAL OF GROUNDWATER QUALITY FOR DRINKING AND IRRIGATION PURPOSES AND THE MAJOR INFLUENCING FACTORS: A CASE STUDY IN AND AROUND HUA COUNTY, CHINA	000369322200015	LI, PY;WU, JH;QIAN, H	ARABIAN JOURNAL OF GEOSCIENCES 9 (1): - JAN 2016	GEOSCIENCES	144
12	IN SITU SYNTHESIS OF Z-SCHEME AG ₃ PO ₄ /CUBI ₂ O ₄ PHOTOCATALYSTS AND ENHANCED PHOTOCATALYTIC PERFORMANCE FOR THE DEGRADATION OF TETRACYCLINE UNDER VISIBLE LIGHT IRRADIATION	000400584900073	SHI, WL;GUO, F;YUAN, SL	APPLIED CATALYSIS B-ENVIRONMENTAL 209: 720-728 JUL 15 2017	CHEMISTRY	139
13	URANIUM AND MOLYBDENUM ISOTOPE EVIDENCE FOR AN EPISODE OF WIDESPREAD OCEAN OXYGENATION DURING THE LATE EDIACARAN PERIOD	000352192100010	KENDALL, B;KOMIYA, T;LYONS, TW;BATES, SM;GORDON, GW;ROMANIELLO, SJ;JIANG, GQ;CREASER, RA;XIAO, SH;MCFADDEN,	GEOCHIMICA ET COSMOCHIMICA ACTA 156: 173-193 MAY 1 2015	GEOSCIENCES	132

序号	论文名称	WOS号	作者	来源期刊	ESI学科	ESI被引次数
			K;SAWAKI, Y;TAHATA, M;SHU, DG;HAN, J;LI, Y;CHU, XL;ANBAR, AD			
14	HUMAN HEALTH RISK ASSESSMENT OF GROUNDWATER NITROGEN POLLUTION IN JINGHUI CANAL IRRIGATION AREA OF THE LOESS REGION, NORTHWEST CHINA	000429985900018	ZHANG, YT;WU, JH;XU, B	ENVIRONMENTAL EARTH SCIENCES 77 (7): - APR 2018	ENVIRONMENT/ ECOLOGY	122
15	A NEW NEURAL NETWORK MODEL FOR THE STATE-OF-CHARGE ESTIMATION IN THE BATTERY DEGRADATION PROCESS	000335429500003	KANG, LW;ZHAO, X;MA, J	APPLIED ENERGY 121: 20-27 MAY 15 2014	ENGINEERING	120
16	LANDSLIDE SUSCEPTIBILITY MODELLING USING GIS-BASED MACHINE LEARNING TECHNIQUES FOR CHONGREN COUNTY, JIANGXI PROVINCE, CHINA	000428194000110	CHEN, W;PENG, JB;HONG, HY;SHAHABI, H;PRADHAN, B;LIU, JZ;ZHU, AX;PEI, XJ;DUAN, Z	SCIENCE OF THE TOTAL ENVIRONMENT 626: 1121-1135 JUN 1 2018	ENVIRONMENT/ ECOLOGY	118
17	HYDROGEOCHEMICAL CHARACTERISTICS, GROUNDWATER QUALITY, AND HEALTH RISKS FROM HEXAVALENT CHROMIUM AND NITRATE IN GROUNDWATER OF HUANHE FORMATION IN WUQI COUNTY, NORTHWEST CHINA	000469217300005	HE, S;WU, JH	EXPOSURE AND HEALTH 11 (2): 125-137 SP. ISS. SI JUN 2019	ENVIRONMENT/ ECOLOGY	113
18	GEOCHEMISTRY, HYDRAULIC CONNECTIVITY AND QUALITY APPRAISAL OF MULTILAYERED	000431882400002	LI, PY;WU, JH;TIAN, R;HE, S;HE, XD;XUE, CY;ZHANG, K	MINE WATER AND THE ENVIRONMENT 37 (2): 222-237 SP. ISS. SI JUN 2018	ENVIRONMENT/ ECOLOGY	104

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
19	GROUNDWATER IN THE HONGDUNZI COAL MINE, NORTHWEST CHINA HYDROCHEMICAL CHARACTERISTICS AND QUALITY EVALUATION OF GROUNDWATER IN TERMS OF HEALTH RISKS IN LUOHE AQUIFER IN WUQI COUNTY OF THE CHINESE LOESS PLATEAU, NORTHWEST CHINA	000473500400003	HE, XD;WU, JH;HE, S	HUMAN AND ECOLOGICAL RISK ASSESSMENT 25 (1-2): 32-51 SP. ISS. SI FEB 17 2019	ENVIRONMENT/ ECOLOGY	96
20	GIS-BASED LANDSLIDE SUSCEPTIBILITY EVALUATION USING A NOVEL HYBRID INTEGRATION APPROACH OF BIVARIATE STATISTICAL BASED RANDOM FOREST METHOD	000430031800015	CHEN, W;XIE, XS;PENG, JB;SHAHABI, H;HONG, HY;BUI, DT;DUAN, Z;LI, SJ;ZHU, AX	CATENA 164: 135-149 MAY 2018	AGRICULTURAL SCIENCES	96
21	GIS-BASED LANDSLIDE SUSCEPTIBILITY MODELLING: A COMPARATIVE ASSESSMENT OF KERNEL LOGISTIC REGRESSION, NAIVE-BAYES TREE, AND ALTERNATING DECISION TREE MODELS	000418899200046	CHEN, W;XIE, XS;PENG, JB;WANG, JL;DUAN, Z;HONG, HY	GEOMATICS NATURAL HAZARDS & RISK 8 (2): 950-973 2017	GEOSCIENCES	93
22	CONJUNCTIVE USE OF GROUNDWATER AND SURFACE WATER TO REDUCE SOIL SALINIZATION IN THE YINCHUAN PLAIN, NORTH-WEST CHINA	000430045800002	LI, PY;QIAN, H;WU, JH	INTERNATIONAL JOURNAL OF WATER RESOURCES DEVELOPMENT 34 (3): 337-353 SP. ISS. SI 2018	ENVIRONMENT/ ECOLOGY	88
23	FOUR STAGES SYMMETRIC TWO-STEP P-STABLE METHOD WITH VANISHED PHASE-LAG AND ITS FIRST, SECOND,	000378971700008	HUI, F;SIMOS, TE	APPLIED AND COMPUTATIONAL MATHEMATICS 15 (2):	MATHEMATICS	86

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
	THIRD AND FOURTH DERIVATIVES			220-238 2016		
24	SPATIAL GROUNDWATER QUALITY AND POTENTIAL HEALTH RISKS DUE TO NITRATE INGESTION THROUGH DRINKING WATER: A CASE STUDY IN YANAN CITY ON THE LOESS PLATEAU OF NORTHWEST CHINA	000473500400002	LI, PY;HE, XD;GUO, WY	HUMAN AND ECOLOGICAL RISK ASSESSMENT 25 (1-2): 11-31 SP. ISS. SI FEB 17 2019	ENVIRONMENT/ ECOLOGY	83
25	STUDY ON HIGHLY ENHANCED PHOTOCATALYTIC TETRACYCLINE DEGRADATION OF TYPE II AGI/CUBI2O4 AND Z-SCHEME AGR/CUBI2O4 HETEROJUNCTION PHOTOCATALYSTS	000428101400013	GUO, F;SHI, WL;WANG, HB;HAN, MM;GUAN, WS;HUANG, H;LIU, Y;KANG, ZH	JOURNAL OF HAZARDOUS MATERIALS 349: 111-118 MAY 5 2018	ENGINEERING	83
26	CO-Fe MIXED METAL PHOSPHIDE NANOCUBES WITH HIGHLY INTERCONNECTED-PORE ARCHITECTURE AS AN EFFICIENT POLYSULFIDE MEDIATOR FOR LITHIUM-SULFUR BATTERIES	000466052900099	CHEN, Y;ZHANG, WX;ZHOU, D;TIAN, HJ;SU, DW;WANG, CY;STOCKDALE, D;KANG, FY;LI, BH;WANG, GX	ACS NANO 13 (4): 4731-4741 APR 2019	MATERIALS SCIENCE	81
27	A HIGH-ORDER TWO-STEP PHASE-FITTED METHOD FOR THE NUMERICAL SOLUTION OF THE SCHRODINGER EQUATION	000387090000085	ZHANG, W;SIMOS, TE	MEDITERRANEAN JOURNAL OF MATHEMATICS 13 (6): 5177-5194 DEC 2016	MATHEMATICS	81
28	EVALUATION OF GROUNDWATER CONTAMINATION FOR FLUORIDE AND NITRATE IN SEMI-ARID REGION OF	000474494500003	ADIMALLA, N;LI, PY;QIAN, H	HUMAN AND ECOLOGICAL RISK ASSESSMENT 25 (5): 1107-1124 JUL 4 2019	ENVIRONMENT/ ECOLOGY	80

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
	NIRMAL PROVINCE, SOUTH INDIA: A SPECIAL EMPHASIS ON HUMAN HEALTH RISK ASSESSMENT (HHRA)					
29	LANDSLIDE SUSCEPTIBILITY MODELING BASED ON GIS AND NOVEL BAGGING-BASED KERNEL LOGISTIC REGRESSION	000455145000208	CHEN, W;SHAHABI, H;ZHANG, S;KHOSRAVI, K;SHIRZADI, A;CHAPI, K;PHAM, BT;ZHANG, TY;ZHANG, LY;CHAI, HC;MA, JQ;CHEN, YT;WANG, XJ;LI, RW;BIN AHMAD, B	APPLIED SCIENCES-BASEL 8 (12): - DEC 2018	ENGINEERING	80
30	OCCURRENCE, HEALTH RISKS, AND GEOCHEMICAL MECHANISMS OF FLUORIDE AND NITRATE IN GROUNDWATER OF THE ROCK-DOMINANT SEMI-ARID REGION, TELANGANA STATE, INDIA	000473500400005	ADIMALLA, N;LI, PY	HUMAN AND ECOLOGICAL RISK ASSESSMENT 25 (1-2): 81-103 SP. ISS. SI FEB 17 2019	ENVIRONMENT/ ECOLOGY	79
31	WHAT DRIVES PEOPLE TO ACCEPT AUTOMATED VEHICLES? FINDINGS FROM A FIELD EXPERIMENT	000447112500017	XU, ZG;ZHANG, KF;MIN, HG;WANG, Z;ZHAO, XM;LIU, P	TRANSPORTATION RESEARCH PART C-EMERGING TECHNOLOGIES 95: 320-334 OCT 2018	ENGINEERING	77
32	DISTRIBUTION AND CHARACTERISTICS OF LANDSLIDE IN LOESS PLATEAU: A CASE STUDY IN SHAANXI PROVINCE	000430028000010	ZHUANG, JQ;PENG, JB;WANG, GH;JAVED, I;WANG, Y;LI, W	ENGINEERING GEOLOGY 236: 89-96 SP. ISS. SI MAR 26 2018	GEOSCIENCES	77

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33	IN-SITU INCORPORATION OF COPPER(II) PORPHYRIN FUNCTIONALIZED ZIRCONIUM MOF AND TiO ₂ FOR EFFICIENT PHOTOCATALYTIC CO ₂ REDUCTION	000483302000011	WANG, L;JIN, PX;DUAN, SH;SHE, HD;HUANG, JW;WANG, QZ	SCIENCE BULLETIN 64 (13): 926-933 JUL 15 2019	CHEMISTRY	76
34	INVESTIGATING THE LONG-TERM SETTLEMENT OF A TUNNEL BUILT OVER IMPROVED LOESSIAL FOUNDATION SOIL USING JET GROUTING TECHNIQUE	000441684700001	QIU, JL;LIU, HQ;LAI, JX;LAI, HP;CHEN, JX;WANG, K	JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES 32 (5): - OCT 2018	ENGINEERING	74
35	NOX EMISSION OF BIODIESEL COMPARED TO DIESEL: HIGHER OR LOWER?	000434491500058	CHEN, H;XIE, B;MA, JQ;CHEN, YS	APPLIED THERMAL ENGINEERING 137: 584-593 JUN 5 2018	ENGINEERING	73
36	COMPREHENSIVE UNDERSTANDING OF GROUNDWATER QUALITY FOR DOMESTIC AND AGRICULTURAL PURPOSES IN TERMS OF HEALTH RISKS IN A COAL MINE AREA OF THE ORDOS BASIN, NORTH OF THE CHINESE LOESS PLATEAU	000476489300015	WU, JH;ZHOU, H;HE, S;ZHANG, YX	ENVIRONMENTAL EARTH SCIENCES 78 (15): - AUG 2019	ENVIRONMENT/ ECOLOGY	70
37	A NOVEL POROUS C ₄ N ₄ MONOLAYER AS A POTENTIAL ANCHORING MATERIAL FOR LITHIUM-SULFUR BATTERY DESIGN	000459331600069	LI, TT;HE, C;ZHANG, WX	JOURNAL OF MATERIALS CHEMISTRY A 7 (8): 4134-4144 FEB 28 2019	MATERIALS SCIENCE	68
38	SOLUTE GEOCHEMISTRY AND MULTIVARIATE ANALYSIS OF WATER QUALITY IN THE GUOHUA	000469217300002	LI, PY;TIAN, R;LIU, R	EXPOSURE AND HEALTH 11 (2): 81-94 SP. ISS. SI JUN 2019	ENVIRONMENT/ ECOLOGY	66

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39	PHOSPHORITE MINE, GUIZHOU PROVINCE, CHINA DEFINING A DIGITAL TWIN-BASED CYBER-PHYSICAL PRODUCTION SYSTEM FOR AUTONOMOUS MANUFACTURING IN SMART SHOP FLOORS	000487303600005	DING, K;CHAN, FTS;ZHANG, XD;ZHOU, GH;ZHANG, FQ	INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH 57 (20): 6315-6334 OCT 18 2019	ENGINEERING	65
40	PONTRYAGINS MINIMUM PRINCIPLE BASED MODEL PREDICTIVE CONTROL OF ENERGY MANAGEMENT FOR A PLUG-IN HYBRID ELECTRIC BUS	000458712500069	XIE, SB;HU, XS;XIN, ZK;BRIGHTON, J	APPLIED ENERGY 236: 893-905 FEB 15 2019	ENGINEERING	61
41	A FLUIDIZED LANDSLIDE OCCURRED IN THE LOESS PLATEAU: A STUDY ON LOESS LANDSLIDE IN SOUTH JINGYANG TABLELAND	000430028000014	LENG, YQ;PENG, JB;WANG, QY;MENG, ZJ;HUANG, WL	ENGINEERING GEOLOGY 236: 129-136 SP. ISS. SI MAR 26 2018	GEOSCIENCES	61
42	GROUNDWATER QUALITY FOR DRINKING AND IRRIGATION PURPOSES AND POTENTIAL HEALTH RISKS ASSESSMENT: A CASE STUDY FROM SEMI-ARID REGION OF SOUTH INDIA	000469217300004	ADIMALLA, N	EXPOSURE AND HEALTH 11 (2): 109-123 SP. ISS. SI JUN 2019	ENVIRONMENT/ ECOLOGY	60
43	INVESTIGATION ON COMBUSTION AND EMISSION CHARACTERISTICS OF A COMMON RAIL DIESEL ENGINE FUELED WITH DIESEL/N-PENTANOL/METHANOL BLENDS	000456351800026	CHEN, H;SU, X;HE, JJ;XIE, B	ENERGY 167: 297-311 JAN 15 2019	ENGINEERING	59

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44	OPTIMUM MODEL FOR BEARING CAPACITY OF CONCRETE-STEEL COLUMNS WITH AI TECHNOLOGY VIA INCORPORATING THE ALGORITHMS OF IWO AND ABC FABRICATION OF CDS/TITANIUM-OXO-CLUSTER NANOCOMPOSITES BASED ON A TI-32	000631566400001	SARIR, P;SHEN, SL;WANG, ZF;CHEN, J;HORPIBULSUK, S;PHAM, BT	ENGINEERING WITH COMPUTERS 37 (2): 797-807 APR 2021	COMPUTER SCIENCE	59
45	FRAMEWORK WITH ENHANCED PHOTOCATALYTIC ACTIVITY FOR TETRACYCLINE HYDROCHLORIDE DEGRADATION UNDER VISIBLE LIGHT TYPE-II INSE/G-C3N4 HETEROSTRUCTURE AS A	000472697500054	ZHU, Q;SUN, YK;NA, FS;WEI, J;XU, S;LI, YL;GUO, F	APPLIED CATALYSIS B-ENVIRONMENTAL 254: 541-550 OCT 5 2019	CHEMISTRY	59
46	HIGH-EFFICIENCY OXYGEN EVOLUTION REACTION CATALYST FOR PHOTOELECTROCHEMICAL WATER SPLITTING	000471079400072	HE, C;ZHANG, JH;ZHANG, WX;LI, TT	JOURNAL OF PHYSICAL CHEMISTRY LETTERS 10 (11): 3122-3128 JUN 6 2019	CHEMISTRY	58
47	GROUNDWATER QUALITY EVALUATION USING WATER QUALITY INDEX (WQI) FOR DRINKING PURPOSES AND HUMAN HEALTH RISK (HHR) ASSESSMENT IN AN AGRICULTURAL REGION OF NANGANUR, SOUTH INDIA	000466056800019	ADIMALLA, N;QIAN, H	ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY 176: 153-161 JUL 30 2019	ENVIRONMENT/ ECOLOGY	56
48	DAY-AHEAD TRAFFIC FLOW	000463129500001	LI, LC;QIN, LQ;QU,	KNOWLEDGE-BASED	COMPUTER SCIENCE	55

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	FORECASTING BASED ON A DEEP BELIEF NETWORK OPTIMIZED BY THE MULTI-OBJECTIVE PARTICLE SWARM ALGORITHM		X;ZHANG, J;WANG, YG;RAN, B	SYSTEMS 172: 1-14 MAY 15 2019	ENCE	
49	STATISTICAL AND MULTIVARIATE STATISTICAL TECHNIQUES TO TRACE THE SOURCES AND AFFECTING FACTORS OF GROUNDWATER POLLUTION IN A RAPIDLY GROWING CITY ON THE CHINESE LOESS PLATEAU	000470507400001	WU, JH;LI, PY;WANG, D;REN, XF;WEI, MJ	HUMAN AND ECOLOGICAL RISK ASSESSMENT 26 (6): 1603-1621 JUL 2 2020	ENVIRONMENT/ ECOLOGY	54
50	A NEW HIGH ALGEBRAIC ORDER EFFICIENT FINITE DIFFERENCE METHOD FOR THE SOLUTION OF THE SCHRODINGER EQUATION	000416115500029	DONG, M;SIMOS, TE	FILOMAT 31 (15): 4999-5012 2017	MATHEMATICS	53
51	EVALUATING CRACK RESISTANCE OF ASPHALT MIXTURE BASED ON ESSENTIAL FRACTURE ENERGY AND FRACTURE TOUGHNESS	000468544600007	ZHANG, JP;TAN, HQ;PEI, JZ;QU, T;LIU, WL	INTERNATIONAL JOURNAL OF GEOMECHANICS 19 (4): - APR 1 2019	ENGINEERING	52
52	DRINKING WATER QUALITY AND PUBLIC HEALTH	000469217300001	LI, PY;WU, JH	EXPOSURE AND HEALTH 11 (2): 73-79 SP. ISS. SI JUN 2019	ENVIRONMENT/ ECOLOGY	50
53	EFFECTS OF GASOLINE AND POLYOXYMETHYLENE DIMETHYL ETHERS BLENDING IN DIESEL ON THE COMBUSTION AND EMISSION OF A COMMON RAIL DIESEL ENGINE	000461534400077	CHEN, H;SU, X;LI, JH;ZHONG, XL	ENERGY 171: 981-999 MAR 15 2019	ENGINEERING	50

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
54	FINDING HIGH-QUALITY GROUNDWATER RESOURCES TO REDUCE THE HYDATIDOSIS INCIDENCE IN THE SHIQU COUNTY OF SICHUAN PROVINCE, CHINA: ANALYSIS, ASSESSMENT, AND MANAGEMENT ENHANCING DISCHARGE OF SPOIL TO MITIGATE DISTURBANCE INDUCED BY HORIZONTAL JET GROUTING IN CLAYEY SOIL: THEORETICAL MODEL AND APPLICATION	000532189100016	WANG, D;WU, JH;WANG, YH;JI, YJ	EXPOSURE AND HEALTH 12 (2): 307-322 JUN 2020	ENVIRONMENT/ ECOLOGY	48
55	PUBLIC ACCEPTANCE OF FULLY AUTOMATED DRIVING: EFFECTS OF SOCIAL TRUST AND RISK/BENEFIT PERCEPTIONS	000469160500020	WANG, ZF;SHEN, SL;MODONI, G	COMPUTERS AND GEOTECHNICS 111: 222-228 JUL 2019	COMPUTER SCI ENCE	48
56	GROUNDWATER SPRING POTENTIAL MAPPING USING POPULATION-BASED EVOLUTIONARY ALGORITHMS AND DATA MINING METHODS	000458171100005	LIU, P;YANG, R;XU, ZG	RISK ANALYSIS 39 (2): 326-341 SP. ISS. SI FEB 2019	SOCIAL SCIENCES, GENERAL	47
57	SURFACE WATER POLLUTION IN THE MIDDLE CHINESE LOESS PLATEAU WITH SPECIAL FOCUS ON HEXAVALENT CHROMIUM (CR6+): OCCURRENCE, SOURCES AND HEALTH RISKS	000472024300004	CHEN, W;TSANGARATOS, P;ILIA, I;DUAN, Z;CHEN, XJ	SCIENCE OF THE TOTAL ENVIRONMENT 684: 31-49 SEP 20 2019	ENVIRONMENT/ ECOLOGY	45
58	MISSING VALUE IMPUTATION FOR	000558514900005	HE, XD;LI, PY	EXPOSURE AND HEALTH 12 (3): 385-401 SP. ISS. SI SEP 2020	ENVIRONMENT/ ECOLOGY	44
59		000478948000011	LI, LC;ZHANG, J;WANG,	IEEE TRANSACTIONS ON	ENGINEERING	43

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	TRAFFIC-RELATED TIME SERIES DATA BASED ON A MULTI-VIEW LEARNING METHOD		YG;RAN, B	INTELLIGENT TRANSPORTATION SYSTEMS 20 (8): 2933-2943 AUG 2019		
60	INTEGRATED MULTI-OBJECTIVE STOCHASTIC FUZZY PROGRAMMING AND AHP METHOD FOR AGRICULTURAL WATER AND LAND OPTIMIZATION ALLOCATION UNDER MULTIPLE UNCERTAINTIES	000456762600002	REN, CF;LI, ZH;ZHANG, HB	JOURNAL OF CLEANER PRODUCTION 210: 12-24 FEB 10 2019	ENGINEERING	43
61	MEASURING THE IMPACT OF RENEWABLE ENERGY, PUBLIC HEALTH EXPENDITURE, LOGISTICS, AND ENVIRONMENTAL PERFORMANCE ON SUSTAINABLE ECONOMIC GROWTH CONTINUUM ANALYSIS OF THE STRUCTURALLY CONTROLLED	000505681000001	KHAN, SAR;ZHANG, Y;KUMAR, A;ZAVADSKAS, E;STREIMIKIENE, D	SUSTAINABLE DEVELOPMENT 28 (4): 833-843 JUL 2020	SOCIAL SCIENC ES, GENERAL	42
62	DISPLACEMENTS FOR LARGE-SCALE UNDERGROUND CAVERNS IN BEDDED ROCK MASSES	000514214800046	LI, A;LIU, Y;DAI, F;LIU, K;WEI, MD	TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY 97: - MAR 2020	ENGINEERING	41
63	CONSTRUCTION OF ELECTRIC VEHICLE DRIVING CYCLE FOR STUDYING ELECTRIC VEHICLE ENERGY CONSUMPTION AND EQUIVALENT EMISSIONS	000531793800014	ZHAO, X;YE, YM;MA, J;SHI, PL;CHEN, H	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH 27 (30): 37395-37409 OCT 2020	ENVIRONMENT/ ECOLOGY	39

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64	SPATIAL DISTRIBUTION, EXPOSURE, AND POTENTIAL HEALTH RISK ASSESSMENT FROM NITRATE IN DRINKING WATER FROM SEMI-ARID REGION OF SOUTH INDIA	000521279900003	ADIMALLA, N	HUMAN AND ECOLOGICAL RISK ASSESSMENT 26 (2): 310-334 FEB 7 2020	ENVIRONMENT/ ECOLOGY	36
65	TWO-DIMENSIONAL POROUS TRANSITION METAL ORGANIC FRAMEWORK MATERIALS WITH STRONGLY ANCHORING ABILITY AS LITHIUM-SULFUR CATHODE	000508681700075	LI, TT;HE, C;ZHANG, WX	ENERGY STORAGE MATERIALS 25: 866-875 MAR 2020	MATERIALS SCIENCE	35
66	STRUCTURAL RESPONSE OF THE METRO TUNNEL UNDER LOCAL DYNAMIC WATER ENVIRONMENT IN LOESS STRATA	000459674700001	QIU, JL;QIN, YW;LAI, JX;WANG, K;NIU, FY;WANG, H;ZHANG, GL	GEOFLUIDS : - 2019	GEOSCIENCES	35
67	POOR GROUNDWATER QUALITY AND HIGH POTENTIAL HEALTH RISKS IN THE DATONG BASIN, NORTHERN CHINA: RESEARCH FROM PUBLISHED DATA	000516648200001	HE, XD;LI, PY;WU, JH;WEI, MJ;REN, XF;WANG, D	ENVIRONMENTAL GEOCHEMISTRY AND HEALTH 43 (2): 791-812 SP. ISS. S1 FEB 2021	ENVIRONMENT/ ECOLOGY	34
68	GROUNDWATER CHEMISTRY AND GROUNDWATER QUALITY INDEX INCORPORATING HEALTH RISK WEIGHTING IN DINGBIAN COUNTY, ORDOS BASIN OF NORTHWEST CHINA	000617623900017	WU, JH;ZHANG, YX;ZHOU, H	GEOCHEMISTRY 80 (4): - SUPPL. S DEC 2020	GEOSCIENCES	34
69	BOOSTING SODIUM STORAGE IN TWO-DIMENSIONAL	000526301400098	GUO, X;ZHANG, WX;ZHANG, JQ;ZHOU,	ACS NANO 14 (3): 3651-3659 MAR 24 2020	MATERIALS SCIENCE	34

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	PHOSPHORENE/TI3C2TX MXENE NANOARCHITECTURES WITH STABLE FLUORINATED INTERPHASE		D;TANG, X;XU, XF;LI, BH;LIU, H;WANG, GX			
70	RECENT MASSIVE INCIDENTS FOR SUBWAY CONSTRUCTION IN SOFT ALLUVIAL DEPOSITS OF TAIWAN: A REVIEW	000509614300004	CHENG, WC;LI, G;LIU, NN;XU, J;HORPIBULSUK, S	TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY 96: - FEB 2020	ENGINEERING	33
71	COMPARATIVE STUDY ON METAL/CFRP HYBRID STRUCTURES UNDER STATIC AND DYNAMIC LOADING	000528193000006	ZHU, GH;LIAO, JP;SUN, GY;LI, Q	INTERNATIONAL JOURNAL OF IMPACT ENGINEERING 141: - JUL 2020	ENGINEERING	32
72	THE PSYCHOLOGICAL CAUSES OF PANIC BUYING FOLLOWING A HEALTH CRISIS	000539300900170	YUEN, KF;WANG, XQ;MA, F;LI, KX	INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH 17 (10): - MAY 2020	ENVIRONMENT/ ECOLOGY	31
73	FABRICATION OF BIVO4 PHOTOANODE COCATALYZED WITH NICO-LAYERED DOUBLE HYDROXIDE FOR ENHANCED PHOTOACTIVITY OF WATER OXIDATION PREPARATION OF HETEROMETALLIC CONI-MOFS-MODIFIED BIVO4: A STEADY	000510526000002	SHE, HD;YUE, PF;MA, XY;HUANG, JW;WANG, L;WANG, QZ	APPLIED CATALYSIS B-ENVIRONMENTAL 263: - APR 2020	CHEMISTRY	29
74	PHOTOANODE FOR IMPROVED PERFORMANCE IN PHOTOELECTROCHEMICAL WATER SPLITTING	000517665200001	ZHOU, SQ;CHEN, KY;HUANG, JW;WANG, L;ZHANG, MY;BAI, B;LIU, H;WANG, QZ	APPLIED CATALYSIS B-ENVIRONMENTAL 266: - JUN 5 2020	CHEMISTRY	28
75	RATIONAL DESIGN OF 3D/2D IN2O3	000501387100066	ZHU, Q;SUN, YK;XU, S;LI,	JOURNAL OF HAZARDOUS	ENGINEERING	28

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	NANOCUBE/ZNIN2S4 NANOSHEET HETEROJUNCTION PHOTOCATALYST WITH LARGE-AREA HIGH-SPEED CHANNELS FOR PHOTOCATALYTIC OXIDATION OF 2,4-DICHLOROPHENOL UNDER VISIBLE LIGHT THE PRECURSOR-GUIDED HYDROTHERMAL SYNTHESIS OF CUBI2O4/WO3 HETEROSTRUCTURE WITH ENHANCED PHOTOACTIVITY UNDER SIMULATED SOLAR LIGHT IRRADIATION AND MECHANISM INSIGHT CONTROLLING FACTORS AND MECHANISM OF GROUNDWATER QUALITY VARIATION IN SEMIARID REGION OF SOUTH INDIA: AN APPROACH OF WATER QUALITY INDEX (WQI) AND HEALTH RISK ASSESSMENT (HRA) GROUNDWATER ARSENIC AND FLUORIDE AND ASSOCIATED ARSENICOSIS AND FLUOROSIS IN CHINA: OCCURRENCE, DISTRIBUTION AND MANAGEMENT		YL;LIN, XL;QIN, YL	MATERIALS 382: - JAN 15 2020		
76		000504778400029	WANG, LP;HUANG, TT;YANG, GP;LU, CY;DONG, FL;LI, YL;GUAN, WS	JOURNAL OF HAZARDOUS MATERIALS 381: - JAN 5 2020	ENGINEERING	27
77		000548696800019	ADIMALLA, N	ENVIRONMENTAL GEOCHEMISTRY AND HEALTH 42 (6): 1725-1752 SP. ISS. SI JUN 2020	ENVIRONMENT/ ECOLOGY	27
78		000516430700001	HE, XD;LI, PY;JI, YJ;WANG, YH;SU, ZM;VETRIMURUGAN, E	EXPOSURE AND HEALTH 12 (3): 355-368 SP. ISS. SI SEP 2020	ENVIRONMENT/ ECOLOGY	27

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79	HEAVY METALS CONTAMINATION IN URBAN SURFACE SOILS OF MEDAK PROVINCE, INDIA, AND ITS RISK ASSESSMENT AND SPATIAL DISTRIBUTION	000512034200005	ADIMALLA, N	ENVIRONMENTAL GEOCHEMISTRY AND HEALTH 42 (1): 59-75 SP. ISS. SI JAN 2020	ENVIRONMENT/ ECOLOGY	27
80	HISTORICAL ASSESSMENT AND FUTURE SUSTAINABILITY CHALLENGES OF EGYPTIAN WATER RESOURCES MANAGEMENT	000543468400003	LUO, PP;SUN, YT;WANG, ST;WANG, SM;LYU, JQ;ZHOU, MM;NAKAGAMI, K;TAKARA, K;NOVER, D	JOURNAL OF CLEANER PRODUCTION 263: - AUG 1 2020	ENGINEERING	26
81	RELATIONSHIP BETWEEN THE DEVELOPMENT AND CO2 EMISSIONS OF TRANSPORT SECTOR IN CHINA	000486359000001	LI, Y;DU, Q;LU, XR;WU, J;HAN, X	TRANSPORTATION RESEARCH PART D-TRANSPORT AND ENVIRONMENT 74: 1-14 SEP 2019	SOCIAL SCIENCES, GENERAL	25
82	THE RELATION BETWEEN WORKING CONDITIONS, ABERRANT DRIVING BEHAVIOUR AND CRASH PROPENSITY AMONG TAXI DRIVERS IN CHINA	000466830500004	WANG, YG;LI, LC;PRATO, CG	ACCIDENT ANALYSIS AND PREVENTION 126: 17-24 SP. ISS. SI MAY 2019	SOCIAL SCIENCES, GENERAL	25
83	SEASONAL VARIATION OF DRINKING WATER QUALITY AND HUMAN HEALTH RISK ASSESSMENT IN HANCHENG CITY OF GUANZHONG PLAIN, CHINA	000524920400001	JI, YJ;WU, JH;WANG, YH;ELUMALAI, V;SUBRAMANI, T	EXPOSURE AND HEALTH 12 (3): 469-485 SP. ISS. SI SEP 2020	ENVIRONMENT/ ECOLOGY	24
84	HOW SAFE IS SAFE ENOUGH FOR SELF-DRIVING VEHICLES?	000458171100004	LIU, P;YANG, R;XU, ZG	RISK ANALYSIS 39 (2): 315-325 SP. ISS. SI FEB 2019	SOCIAL SCIENCES, GENERAL	24

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85	INSIGHTS INTO HYDROLOGICAL AND HYDROCHEMICAL PROCESSES IN RESPONSE TO WATER REPLENISHMENT FOR LAKES IN ARID REGIONS	000514758300042	CHEN, J;QIAN, H;GAO, YY;WANG, HK;ZHANG, MS	JOURNAL OF HYDROLOGY 581: - FEB 2020	ENGINEERING	23
86	LANDSLIDE RECONSTRUCTION USING SEISMIC SIGNAL CHARACTERISTICS AND NUMERICAL SIMULATIONS: CASE STUDY OF THE 2017 6.24 XINMO LANDSLIDE	000530092700011	YAN, Y;CUI, YF;GUO, J;HU, S;WANG, Z;YIN, SY	ENGINEERING GEOLOGY 270: - JUN 5 2020	GEOSCIENCES	23
87	DEVELOPMENT OF A REPRESENTATIVE URBAN DRIVING CYCLE CONSTRUCTION METHODOLOGY FOR ELECTRIC VEHICLES: A CASE STUDY IN XIAN	000524455600008	ZHAO, X;ZHAO, XM;YU, Q;YE, YM;YU, M	TRANSPORTATION RESEARCH PART D-TRANSPORT AND ENVIRONMENT 81: - APR 2020	SOCIAL SCIENC ES, GENERAL	23
88	ENTIRE SOLUTIONS FOR NONLOCAL DISPERSAL EQUATIONS WITH BISTABLE NONLINEARITY: ASYMMETRIC CASE	000490592600004	ZHANG, L;LI, WT;WANG, ZC;SUN, YJ	ACTA MATHEMATICA SINICA-ENGLISH SERIES 35 (11): 1771-1794 NOV 2019	MATHEMATICS	22
89	BETTER UNDERSTANDING THE FAILURE MODES OF TUNNELS EXCAVATED IN THE BOULDER-COBBLE MIXED STRATA BY DISTINCT ELEMENT METHOD	000567789800003	LIU, T;XIE, Y;FENG, ZH;LUO, YB;WANG, K;XU, W	ENGINEERING FAILURE ANALYSIS 116: - OCT 2020	ENGINEERING	22
90	PARAMETRIC STUDY ON EFFECTS OF EXCESS AIR/FUEL RATIO, SPARK TIMING, AND METHANOL INJECTION TIMING ON COMBUSTION CHARACTERISTICS AND	000524316000048	CHEN, ZM;CHEN, H;WANG, L;GENG, LM;ZENG, K	ENERGY CONVERSION AND MANAGEMENT 210: - APR 15 2020	ENGINEERING	22

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91	PERFORMANCE OF NATURAL GAS/METHANOL DUAL-FUEL ENGINE AT LOW LOADS AUTOMATIC MONITORING SYSTEM IN UNDERGROUND ENGINEERING CONSTRUCTION: REVIEW AND PROSPECT	00054613800001	WANG, LX;XU, SS;QIU, JL;WANG, K;MA, EL;LI, CJ;GUO, CX	ADVANCES IN CIVIL ENGINEERING 2020: - JUN 19 2020	ENGINEERING	21
92	SOLUTE GEOCHEMISTRY AND GROUNDWATER QUALITY FOR DRINKING AND IRRIGATION PURPOSES: A CASE STUDY IN XINLE CITY, NORTH CHINA	000617623900018	ZHOU, YH;LI, PY;XUE, LL;DONG, ZH;LI, D	GEOCHEMISTRY 80 (4): - SUPPL. S DEC 2020	GEOSCIENCES	20
93	HEAVY METALS POLLUTION ASSESSMENT AND ITS ASSOCIATED HUMAN HEALTH RISK EVALUATION OF URBAN SOILS FROM INDIAN CITIES: A REVIEW	000512034200013	ADIMALLA, N	ENVIRONMENTAL GEOCHEMISTRY AND HEALTH 42 (1): 173-190 SP. ISS. SI JAN 2020	ENVIRONMENT/ ECOLOGY	20
94	ASSESSING THE ECO-ENVIRONMENTAL PERFORMANCE: AN PLS-SEM APPROACH WITH PRACTICE-BASED VIEW	000528179900001	KHAN, SAR;YU, Z	INTERNATIONAL JOURNAL OF LOGISTICS-RESEARCH AND APPLICATIONS 24 (3): 303-321 MAY 4 2021	ECONOMICS & BUSINESS	19
95	SEISMIC SIGNAL RECOGNITION AND INTERPRETATION OF THE 2019 7.23 SHUICHENG LANDSLIDE BY SEISMOGRAM STATIONS	000516002000002	YAN, Y;CUI, YF;TIAN, X;HU, S;GUO, J;WANG, Z;YIN, SY;LIAO, LF	LANDSLIDES 17 (5): 1191-1206 MAY 2020	GEOSCIENCES	16

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
96	UNIQUENESS AND STABILITY OF TIME-PERIODIC PYRAMIDAL FRONTS FOR A PERIODIC COMPETITION-DIFFUSION SYSTEM LANDSLIDE SUSCEPTIBILITY MODELING BASED ON ANFIS WITH	000475504300014	BAO, XX;LI, WT;WANG, ZC	COMMUNICATIONS ON PURE AND APPLIED ANALYSIS 19 (1): 253-277 JAN 2020	MATHEMATICS	15
97	TEACHING-LEARNING-BASED OPTIMIZATION AND SATIN BOWERBIRD OPTIMIZER	000597401000007	CHEN, W;CHEN, X;PENG, JB;PANAHI, M;LEE, S	GEOSCIENCE FRONTIERS 12 (1): 93-107 JAN 2021	GEOSCIENCES	14
98	PROPAGATION PHENOMENA FOR PARTIALLY DEGENERATE NONLOCAL DISPERSAL MODELS IN TIME AND SPACE PERIODIC HABITATS	000488994500012	BAO, XX;LI, WT	NONLINEAR ANALYSIS-REAL WORLD APPLICATIONS 51: - FEB 2020	MATHEMATICS	13
99	DEEP AFFINITY NETWORK FOR MULTIPLE OBJECT TRACKING	000597206900008	SUN, SJ;AKHTAR, N;SONG, HS;MIAN, AS;SHAH, M	IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE 43 (1): 104-119 JAN 1 2021	ENGINEERING	12
100	A STATE-OF-THE-ART REVIEW AND META-ANALYSIS ON SUSTAINABLE SUPPLY CHAIN MANAGEMENT: FUTURE RESEARCH DIRECTIONS	000592391200012	KHAN, SAR;YU, Z;GOLPIRA, H;SHARIF, A;MARDANI, A	JOURNAL OF CLEANER PRODUCTION 278: - JAN 1 2021	ENGINEERING	12
101	EFFECTS OF INJECTION TIMING AND RAIL PRESSURE ON PARTICULATE SIZE-NUMBER DISTRIBUTION OF A COMMON RAIL DI ENGINE FUELED WITH	000618773000010	GENG, LM;XIAO, YG;LI, SJ;CHEN, H;CHEN, XB	JOURNAL OF THE ENERGY INSTITUTE 95: 219-230 APR 2021	ENGINEERING	11

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
	FISCHER-TROPSCH DIESEL SYNTHESIZED FROM COAL					
102	CONCEPTION AND EVALUATION OF A NOVEL TYPE OF SUPPORT IN LOESS TUNNELS	000641763700020	WANG, ZC;SU, XL;LAI, HP;XIE, YL;QIN, YW;LIU, T	JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES 35 (1): - FEB 1 2021	ENGINEERING	10
103	A BIG DATA-DRIVEN FRAMEWORK FOR SUSTAINABLE AND SMART ADDITIVE MANUFACTURING	000571393500008	MAJEED, A;ZHANG, YF;REN, S;LV, JX;PENG, T;WAQAR, S;YIN, EH	ROBOTICS AND COMPUTER-INTEGRATED MANUFACTURING 67: - FEB 2021	ENGINEERING	8
104	REVIEW OF CUTTING-EDGE SENSING TECHNOLOGIES FOR URBAN UNDERGROUND CONSTRUCTION MODEL TEST ON MECHANICAL	000579500000038	MA, EL;LAI, JX;WANG, LX;WANG, K;XU, SS;LI, CJ;GUO, CX	MEASUREMENT 167: - JAN 1 2021	ENGINEERING	7
105	CHARACTERISTICS OF SHALLOW TUNNEL EXCAVATION FAILURE IN GULLY TOPOGRAPHY	000597227300003	XU, SS;LEI, H;LI, C;LIU, HQ;LAI, JX;LIU, T	ENGINEERING FAILURE ANALYSIS 119: - JAN 2021	ENGINEERING	5
106	APPLICATION OF LOAD TRANSFER METHOD FOR BORED PILE IN LOESS AREA	000607240400001	ZHOU, ZJ;ZHANG, ZP;CHEN, CR;XU, F;XU, TY;ZHU, LN;LIU, T	EUROPEAN JOURNAL OF ENVIRONMENTAL AND CIVIL ENGINEERING : - JAN 13 2021	ENGINEERING	5
107	INFLUENCE OF LANDFILL AND LAND USE SCENARIO ON RUNOFF, EVAPOTRANSPIRATION, AND SEDIMENT YIELD OVER THE CHINESE LOESS	000604880400002	HUO, AD;YANG, L;LUO, PP;CHENG, YX;PENG, JB;NOVER, D	ECOLOGICAL INDICATORS 121: - FEB 2021	ENVIRONMENT/ ECOLOGY	5

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
108	PLATEAU MECHANICAL PROPERTIES AND PORE STRUCTURE OF RECYCLED AGGREGATE CONCRETE MADE WITH IRON ORE TAILINGS AND POLYPROPYLENE FIBERS INTERACTIONS OF LANDSLIDE DEPOSIT	000599864900005	XU, F;WANG, SL;LI, T;LIU, B;LI, BB;ZHOU, Y	JOURNAL OF BUILDING ENGINEERING 33: - JAN 2021	ENGINEERING	5
109	WITH TERRACE SEDIMENTS: PERSPECTIVES FROM VELOCITY OF DEPOSIT MOVEMENT AND APPARENT FRICTION ANGLE	000615526300007	DUAN, Z;CHENG, WC;PENG, JB;RAHMAN, MM;TANG, H	ENGINEERING GEOLOGY 280: - JAN 2021	GEOSCIENCES	3

附表 2 长安大学作为第一通讯作者单位发表的 ESI 高被引论文 (按 ESI 被引次数排序)

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
1	IN-SITU INCORPORATION OF COPPER(II) PORPHYRIN FUNCTIONALIZED ZIRCONIUM MOF AND TiO ₂ FOR EFFICIENT PHOTOCATALYTIC CO ₂ REDUCTION	000483302000011	WANG, L;JIN, PX;DUAN, SH;SHE, HD;HUANG, JW;WANG, QZ	SCIENCE BULLETIN 64 (13): 926-933 JUL 15 2019	CHEMISTRY	76
2	TYPE-II INSE/G-C ₃ N ₄ HETEROSTRUCTURE AS A HIGH-EFFICIENCY OXYGEN EVOLUTION REACTION CATALYST FOR PHOTOELECTROCHEMICAL WATER SPLITTING	000471079400072	HE, C;ZHANG, JH;ZHANG, WX;LI, TT	JOURNAL OF PHYSICAL CHEMISTRY LETTERS 10 (11):	CHEMISTRY	58

序号	论文名称	WOS号	作者	来源期刊	ESI学科	ESI被引次数
3	FABRICATION OF BIVO4 PHOTOANODE COCATALYZED WITH NICO-LAYERED DOUBLE HYDROXIDE FOR ENHANCED PHOTOACTIVITY OF WATER OXIDATION	000510526000002	SHE, HD;YUE, PF;MA, XY;HUANG, JW;WANG, L;WANG, QZ	3122-3128 JUN 6 2019 APPLIED CATALYSIS B-ENVIRONMENTAL 263: - APR 2020	CHEMISTRY	29
4	SOLUTE GEOCHEMISTRY AND GROUNDWATER QUALITY FOR DRINKING AND IRRIGATION PURPOSES: A CASE STUDY IN XINLE CITY, NORTH CHINA	000617623900018	ZHOU, YH;LI, PY;XUE, LL;DONG, ZH;LI, D	GEOCHEMISTRY 80 (4): - SUPPL. S DEC 2020	GEOSCIENCES	20

附表3 长安大学作为合作单位发表的ESI高被引论文（按ESI被引次数排序）

序号	论文名称	WOS号	作者	来源期刊	ESI学科	ESI被引次数
1	PROMOTING LITHIUM POLYSULFIDE/SULFIDE REDOX KINETICS BY THE CATALYZING OF ZINC SULFIDE FOR HIGH PERFORMANCE LITHIUM-SULFUR BATTERY	000440682100009	XU, J;ZHANG, WX;FAN, HB;CHENG, FL;SU, DW;WANG, GX	NANO ENERGY 51: 73-82 SEP 2018	MATERIALS SCIENCE	168
2	MICROWAVE-ASSISTED IN SITU SYNTHESIS OF REDUCED GRAPHENE OXIDE-BIVO4 COMPOSITE PHOTOCATALYSTS AND THEIR ENHANCED PHOTOCATALYTIC PERFORMANCE FOR THE DEGRADATION OF CIPROFLOXACIN	000317878400014	YAN, Y;SUN, SF;SONG, Y;YAN, X;GUAN, WS;LIU, XL;SHI, WD	JOURNAL OF HAZARDOUS MATERIALS 250: 106-114 APR 15 2013	ENGINEERING	155

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
3	MICROWAVE SYNTHESIS OF A NOVEL MAGNETIC IMPRINTED TiO ₂ PHOTOCATALYST WITH EXCELLENT TRANSPARENCY FOR SELECTIVE PHOTODEGRADATION OF ENROFLOXACIN HYDROCHLORIDE RESIDUES SOLUTION	000337554100003	LU, ZY;CHEN, F;HE, M;SONG, MS;MA, ZF;SHI, WD;YAN, YS;LAN, JZ;LI, F;XIAO, P	CHEMICAL ENGINEERING JOURNAL 249: 15-26 AUG 1 2014	ENGINEERING	153
4	MOF-DERIVED POROUS N-CO ₃ O ₄ @N-C NANODODECAHEDRA WRAPPED WITH REDUCED GRAPHENE OXIDE AS A HIGH CAPACITY CATHODE FOR LITHIUM-SULFUR BATTERIES	000424466300041	XU, J;ZHANG, WX;CHEN, Y;FAN, HB;SU, DW;WANG, GX	JOURNAL OF MATERIALS CHEMISTRY A 6(6): 2797-2807 FEB 14 2018	MATERIALS SCIENCE	148
5	IN SITU SYNTHESIS OF Z-SCHEME Ag ₃ PO ₄ /Cu ₂ O PHOTOCATALYSTS AND ENHANCED PHOTOCATALYTIC PERFORMANCE FOR THE DEGRADATION OF TETRACYCLINE UNDER VISIBLE LIGHT IRRADIATION	000400584900073	SHI, WL;GUO, F;YUAN, S L	APPLIED CATALYSIS B-ENVIRONMENTAL 209: 720-728 JUL 15 2017	CHEMISTRY	139
6	URANIUM AND MOLYBDENUM ISOTOPE EVIDENCE FOR AN EPISODE OF WIDESPREAD OCEAN OXYGENATION DURING THE LATE EDIACARAN PERIOD	000352192100010	KENDALL, B;KOMIYA, T;LYONS, TW;BATES, SM;GORDON, GW;ROMANIELLO, SJ;JIANG, GQ;CREASE, RA;XIAO, SH;MCFADDEN, K;SAWAKI, Y;TAHATA, M;SHU, DG;HAN, J;LI, Y;CHU, XL;ANBAR, AD	GEOCHIMICA ET COSMOCHEMICA ACTA 156: 173-193 MAY 1 2015	GEOSCIENCES	132
7	LANDSLIDE SUSCEPTIBILITY MODELLING USING GIS AND FUZZY LOGIC	000428194000110	CHEN, W;PENG, JB;HONG, Y;LI, X;LI, Y;LI, X;LI, Y	SCIENCE OF THE TOTAL ENVIRONMENT 512: 100-110 MAR 15 2014	ENVIRONMENT	118

序号	论文名称	WOS号	作者	来源期刊	ESI学科	ESI被引次数
	SING GIS-BASED MACHINE LEARNING TECHNIQUES FOR CHONGREN COUNTY, JIANGXI PROVINCE, CHINA		G, HY; SHAHABI, H; PRAD HAN, B; LIU, JZ; ZHU, AX; PEI, XJ; DUAN, Z	TAL ENVIRONMENT 626: 1121-1135 JUN 1 2018	/ECOLOGY	
8	GIS-BASED LANDSLIDE SUSCEPTIBILITY EVALUATION USING A NOVEL HYBRID INTEGRATION APPROACH OF BIVARIATE STATISTICAL BASED RANDOM FOREST METHOD	000430031800015	CHEN, W; XIE, XS; PENG, JB; SHAHABI, H; HONG, H Y; BUI, DT; DUAN, Z; LI, S J; ZHU, AX	CATENA 164: 135-149 MAY 2018	AGRICULTURAL SCIENCES	96
9	GIS-BASED LANDSLIDE SUSCEPTIBILITY MODELLING: A COMPARATIVE ASSESSMENT OF KERNEL LOGISTIC REGRESSION, NAIVE-BAYES TREE, AND ALTERNATING DECISION TREE MODELS	000418899200046	CHEN, W; XIE, XS; PENG, JB; WANG, JL; DUAN, Z; HONG, HY	GEOMATICS NATURAL HAZARDS & RISK 8 (2): 950-973 2017	GEOSCIENCES	93
10	STUDY ON HIGHLY ENHANCED PHOTOCATALYTIC TETRACYCLINE DEGRADATION OF TYPE II AGI/CUBI2O4 AND Z-SCHEME AgBr/CUBI2O4 HETEROJUNCTION PHOTOCATALYSTS	000428101400013	GUO, F; SHI, WL; WANG, HB; HAN, MM; GUAN, WS; HUANG, H; LIU, Y; KANG, ZH	JOURNAL OF HAZARDOUS MATERIALS 349: 111-118 MAY 5 2018	ENGINEERING	83
11	CO-Fe MIXED METAL PHOSPHIDE NANOCUBES WITH HIGHLY INTERCONNECTED-PORE ARCHITECTURE AS AN EFFICIENT POLYSULFIDE MEDIATOR FOR LITHIUM-SULFUR BATTERIES	000466052900099	CHEN, Y; ZHANG, WX; ZHOU, D; TIAN, HJ; SU, DW; WANG, CY; STOCKDALE, D; KANG, FY; LI, BH; WANG, GX	ACS NANO 13 (4): 4731-4741 APR 2019	MATERIALS SCIENCE	81
12	LANDSLIDE SUSCEPTIBILITY MODELING BASED ON GIS AND NOVEL BAGGING-BASED KERNEL LOGISTIC REGRESSION	000455145000208	CHEN, W; SHAHABI, H; ZHANG, S; KHOSRAVI, K; SHIRZADI, A; CHAPI, K; PH	APPLIED SCIENCES-BASED 8 (12): - DEC 2018	ENGINEERING	80

序号	论文名称	WOS号	作者	来源期刊	ESI学科	ESI被引次数
			AM, BT;ZHANG, TY;ZHANG, LY;CHAL, HC;MA, JQ;CHEN, YT;WANG, XJ;LI, RW;BIN AHMAD, B			
13	A NOVEL POROUS C4N4 MONOLAYER AS A POTENTIAL ANCHORING MATERIAL FOR LITHIUM-SULFUR BATTERY DESIGN	000459331600069	LI, TT;HE, C;ZHANG, WX	JOURNAL OF MATERIALS CHEMISTRY A 7 (8): 4134-4144 FEB 28 2019	MATERIALS SCIENCE	68
14	OPTIMUM MODEL FOR BEARING CAPACITY OF CONCRETE-STEEL COLUMNS WITH AI TECHNOLOGY VIA INCORPORATING THE ALGORITHMS OF IWO AND ABC	000631566400001	SARIR, P;SHEN, SL;WANG, ZF;CHEN, J;HORPIBULSUK, S;PHAM, BT	ENGINEERING WITH COMPUTERS 37 (2): 797-807 APR 2021	COMPUTER SCIENCE	59
15	DAY-AHEAD TRAFFIC FLOW FORECASTING BASED ON A DEEP BELIEF NETWORK OPTIMIZED BY THE MULTI-OBJECTIVE PARTICLE SWARM ALGORITHM	000463129500001	LI, LC;QIN, LQ;QU, X;ZHANG, J;WANG, YG;RAN, B	KNOWLEDGE-BASED SYSTEMS 172: 1-14 MAY 15 2019	COMPUTER SCIENCE	55
16	PUBLIC ACCEPTANCE OF FULLY AUTOMATED DRIVING: EFFECTS OF SOCIAL TRUST AND RISK/BENEFIT PERCEPTIONS	000458171100005	LIU, P;YANG, R;XU, ZG	RISK ANALYSIS 39 (2): 326-341 SP. ISS. S I FEB 2019	SOCIAL SCIENCES, GENERAL	47
17	GROUNDWATER SPRING POTENTIAL MAPPING USING POPULATION-BASED EVOLUTIONARY ALGORITHMS AND DATA MINING METHODS	000472024300004	CHEN, W;TSANGARATOS, P;ILIA, I;DUAN, Z;CHEN, XJ	SCIENCE OF THE TOTAL ENVIRONMENT 684: 31-49 SEP 20 2019	ENVIRONMENT/ECOLOGY	45
18	MISSING VALUE IMPUTATION FOR TRAFFIC -RELATED TIME SERIES DATA BASED ON A	000478948000011	LI, LC;ZHANG, J;WANG, YG;RAN, B	IEEE TRANSACTIONS ON INTELLIGENT T	ENGINEERING	43

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
	MULTI-VIEW LEARNING METHOD			TRANSPORTATION SYSTEMS 20 (8): 2933-2943 3 AUG 2019		
19	MEASURING THE IMPACT OF RENEWABLE ENERGY, PUBLIC HEALTH EXPENDITURE, LOGISTICS, AND ENVIRONMENTAL PERFORMANCE ON SUSTAINABLE ECONOMIC GROWTH	000505681000001	KHAN, SAR;ZHANG, Y;KUMAR, A;ZAVADSKAS, E;STREIMIKIENE, D	SUSTAINABLE DEVELOPMENT 28 (4): 833-843 JUL 2020	SOCIAL SCIENCES, GENERAL	42
20	TWO-DIMENSIONAL POROUS TRANSITION METAL ORGANIC FRAMEWORK MATERIALS WITH STRONGLY ANCHORING ABILITY AS LITHIUM-SULFUR CATHODE	000508681700075	LI, TT;HE, C;ZHANG, WX	ENERGY STORAGE MATERIALS 25: 866-875 MAR 2020	MATERIALS SCIENCE	35
21	BOOSTING SODIUM STORAGE IN TWO-DIMENSIONAL PHOSPHORENE/TI3C2TX MXENE NANOARCHITECTURES WITH STABLE FLUORINATED INTERPHASE	000526301400098	GUO, X;ZHANG, WX;ZHANG, JQ;ZHOU, D;TANG, X;XU, XF;LI, BH;LIU, H;WANG, GX	ACS NANO 14 (3): 3651-3659 MAR 24 2020	MATERIALS SCIENCE	34
22	RECENT MASSIVE INCIDENTS FOR SUBWAY CONSTRUCTION IN SOFT ALLUVIAL DEPOSITS OF TAIWAN: A REVIEW	000509614300004	CHENG, WC;LI, G;LIU, NN;XU, J;HORPIBULSUK, S	TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY 96: - FEB 2020	ENGINEERING	33
23	THE PSYCHOLOGICAL CAUSES OF PANIC BUYING FOLLOWING A HEALTH CRISIS	000539300900170	YUEN, KF;WANG, XQ;MA, F;LI, KX	INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH 17 (10): - MAY 2020	ENVIRONMENTAL ECOLOGY	31

序号	论文名称	WOS号	作者	来源期刊	ESI学科	ESI被引次数
24	HOW SAFE IS SAFE ENOUGH FOR SELF-DRIVING VEHICLES?	000458171100004	LIU, P;YANG, R;XU, ZG	RISK ANALYSIS 39 (2): 315-325 SP. ISS. S I FEB 2019	SOCIAL SCIENCES, GENERAL	24
25	LANDSLIDE RECONSTRUCTION USING SEISMIC SIGNAL CHARACTERISTICS AND NUMERICAL SIMULATIONS: CASE STUDY OF THE 2017 6.24 XINMO LANDSLIDE	000530092700011	YAN, Y;CUI, YF;GUO, J;HU, S;WANG, Z;YIN, SY	ENGINEERING GEOLOGY 270: - JUN 5 2020	GEOSCIENCES	23
26	BETTER UNDERSTANDING THE FAILURE MODES OF TUNNELS EXCAVATED IN THE BOLD-ULDER-COBBLE MIXED STRATA BY DISTINCT ELEMENT METHOD	000567789800003	LIU, T;XIE, Y;FENG, ZH;LUO, YB;WANG, K;XU, W	ENGINEERING FAILURE ANALYSIS 116: - OCT 2020	ENGINEERING	22
27	ASSESSING THE ECO-ENVIRONMENTAL PERFORMANCE: AN PLS-SEM APPROACH WITH PRACTICE-BASED VIEW	000528179900001	KHAN, SAR;YU, Z	INTERNATIONAL JOURNAL OF LOGISTICS-RESEARCH AND APPLICATIONS 24 (3): 303-321 MAY 4 2021	ECONOMICS & BUSINESS	19
28	SEISMIC SIGNAL RECOGNITION AND INTERPRETATION OF THE 2019 7.23 SHUICHENG LANDSLIDE BY SEISMOGRAM STATIONS	000516002000002	YAN, Y;CUI, YF;TIAN, X;HU, S;GUO, J;WANG, Z;YIN, SY;LIAO, LF	LANDSLIDES 17 (5): 1191-1206 MAY 2020	GEOSCIENCES	16
29	LANDSLIDE SUSCEPTIBILITY MODELING BASED ON ANFIS WITH TEACHING-LEARNING-BASED OPTIMIZATION AND SATIN BOWEN OPTIMIZER	000597401000007	CHEN, W;CHEN, X;PENG, JB;PANAHI, M;LEE, S	GEOSCIENCE FRONTIERS 12 (1): 93-107 JAN 2021	GEOSCIENCES	14
30	A STATE-OF-THE-ART REVIEW AND META-ANALYSIS ON SUSTAINABLE SUPPLY CHAIN	000592391200012	KHAN, SAR;YU, Z;GOLPIRA, H;SHARIF, A;MARDA	JOURNAL OF CLEANER PRODUCTION 278:	ENGINEERING	12

序号	论文名称	WOS号	作者	来源期刊	ESI学科	ESI被引次数
	MANAGEMENT: FUTURE RESEARCH DIRECTIONS		NI, A	- JAN 1 2021		
31	A BIG DATA-DRIVEN FRAMEWORK FOR SUSTAINABLE AND SMART ADDITIVE MANUFACTURING	000571393500008	MAJEED, A;ZHANG, YF;REN, S;LV, JX;PENG, T;WANG, QAR, S;YIN, EH	ROBOTICS AND COMPUTER-INTEGRATED MANUFACTURING 67: - FEB 2021	ENGINEERING	8
32	MECHANICAL PROPERTIES AND PORE STRUCTURE OF RECYCLED AGGREGATE CONCRETE MADE WITH IRON ORE TAILINGS AND POLYPROPYLENE FIBERS	000599864900005	XU, F;WANG, SL;LI, T;LIU, B;LI, BB;ZHOU, Y	JOURNAL OF BUILDING ENGINEERING 33: - JAN 2021	ENGINEERING	5
33	INTERACTIONS OF LANDSLIDE DEPOSIT WITH TERRACE SEDIMENTS: PERSPECTIVES FROM VELOCITY OF DEPOSIT MOVEMENT AND APPARENT FRICTION ANGLE	000615526300007	DUAN, Z;CHENG, WC;PEI, J;RAHMAN, MM;TANG, H	ENGINEERING GEOLOGY 280: - JAN 2021	GEOSCIENCES	3

附表4 长安大学ESI热点论文(按ESI被引频次排序)

序号	论文名称	WOS号	作者	来源期刊	ESI学科	ESI被引次数
1	MEASURING THE IMPACT OF RENEWABLE ENERGY, PUBLIC HEALTH EXPENDITURE, LOGISTICS, AND ENVIRONMENTAL	000505681000001	KHAN, SAR;ZHANG, Y;KUMAR, A;ZAVADSKAS, E;STREIMIKIENE, D	SUSTAINABLE DEVELOPMENT 28 (4): 833-843 JUL 2020	SOCIAL SCIENCES, GENERAL	42

	PERFORMANCE ON SUSTAINABLE ECONOMIC GROWTH					
	CONSTRUCTION OF ELECTRIC VEHICLE DRIVING CYCLE FOR STUDYING ELECTRIC VEHICLE ENERGY CONSUMPTION AND EQUIVALENT EMISSIONS	000531793800014	ZHAO, X;YE, YM;MA, J;SHI, PL;CHEN, H	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH 27 (30): 37395-37409 OCT 2020	ENVIRONMENT/EC OLOGY	39
2	GROUNDWATER CHEMISTRY AND GROUNDWATER QUALITY INDEX INCORPORATING HEALTH RISK WEIGHTING IN DINGBIAN COUNTY, ORDOS BASIN OF NORTHWEST CHINA	000617623900017	WU, JH;ZHANG, YX;ZHOU, H	GEOCHEMISTRY 80 (4): - SUPPL. S DEC 2020	GEOSCIENCES	34
3	ENTIRE SOLUTIONS FOR NONLOCAL DISPERSAL EQUATIONS WITH BISTABLE NONLINEARITY: ASYMMETRIC CASE	000490592600004	ZHANG, L;LI, WT;WANG, ZC;SUN, YJ	ACTA MATHEMATICA SINICA-ENGLISH SERIES 35 (11): 1771-1794 NOV 2019	MATHEMATICS	22
4	A STATE-OF-THE-ART REVIEW AND META-ANALYSIS ON SUSTAINABLE SUPPLY CHAIN MANAGEMENT: FUTURE RESEARCH DIRECTIONS EFFECTS OF INJECTION TIMING AND RAIL PRESSURE ON PARTICULATE SIZE-NUMBER DISTRIBUTION OF A COMMON RAIL	000592391200012	KHAN, SAR;YU, Z;GOLPIRA, H;SHARIF, A;MARDANI, A	JOURNAL OF CLEANER PRODUCTION 278: - JAN 1 2021	ENGINEERING	12
5		000618773000010	GENG, LM;XIAO, YG;LI, SJ;CHEN, H;CHEN, XB	JOURNAL OF THE ENERGY INSTITUTE 95: 219-230 APR 2021	ENGINEERING	11
6						

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FISCHER-TROPSCH DIESEL
SYNTHESIZED FROM COAL
