

长安大学 ESI 月报

(2021 年 9 月 9 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：2021.9.14

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2021年9月9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6月30日（跨度为十年六个月）。数据显示本次全球上榜机构总数为7409所，相对于2021年7月公布的数据增加了145所；中国上榜机构数为641所（大陆540，台湾85，香港14，澳门2），比2021年7月增加了7所；中国上榜高校数为408所（大陆340，台湾52，香港8，澳门2），比2021年7月数据增加了6所。其中，大陆新增5所上榜高校，台湾新增1所上榜高校。新增上榜高校为：河北工程大学、赣南师范大学、内蒙古工业大学、广东石油化工学院、北京农学院、昆山科技大学。

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7409所，我校位列1979（上期为2030位），ESI全球排位26.71%（上期为27.95%），较上期上涨1.24%；中国位列ESI全球高水平研究机构总数为641所，我校位列240位（上期为247位），排位37.44%（上期为38.96%），较上期上涨1.52%。

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8,835，总被引频次为70,226次，篇均被引频次为7.95次，其中ESI高被引论文有108篇（见附表1，其发表的年代分布见图1），比上期（109篇）减少1篇。

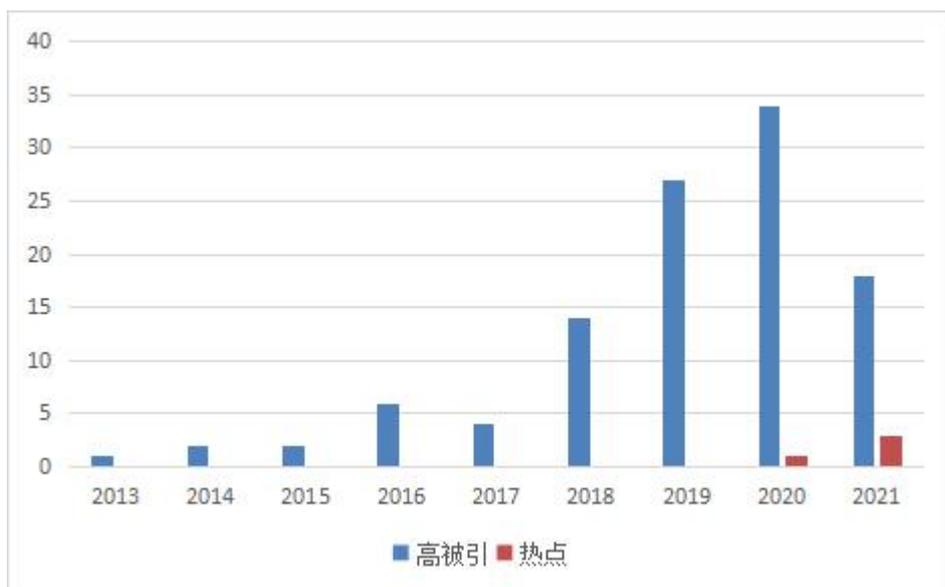


图 1 2021 年 9 月长安大学 ESI 高被引论文、热点论文的年代分布

这些 ESI 高被引论文分布在：工程学领域 36 篇，环境/生态科学领域 32 篇，地球科学领域有 12 篇，材料科学领域 7 篇，社会科学总论 6 篇，化学领域 6 篇，数学领域 5 篇，计算机科学领域 2 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 74 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 30 篇（见附表 3）。

本期我校 ESI 热点论文有 4 篇（较上次减少 2 篇），经济/商业领域 1 篇，社会科学总论领域 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 1 篇，作为合作单位发表的热点论文有 3 篇（见附表 4）。

2 高被引、热点论文院系分布

本期我校 108 篇 ESI 高被引论文的院系分布情况：水利与环境学院 48 篇（其中第一作者单位论文数 44 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 13 篇（其中第一作者单位论文数 10 篇，合作发表论文数 3 篇）；地质工程与测绘学院 10 篇（其中第一作者单位论文数 2 篇，合作发表论文数 8 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 8 篇（其中第一作者单位论文数 6 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 6 篇（其中第一作者单位论文数 2 篇，合作发表论文数 4 篇）；理学院 2 篇（其中第一作者单位论文数 2 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数量较上期略有减少。水利与环境学院高被引论文数量比上期多出一篇，总量上仍居首位，理学院、地质工程与测绘学院、公路学院略有减少。本期高被引论文数量增加的学院有：信息工程学院、经济与管理学院。

本期我校 ESI 热点论文 4 篇，较上期 6 篇有所减少，其中公路学院第一作者热点论文 1 篇，经济与管理 3 篇合作完成论文成为热点。

我校近 17 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 17 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	
2021.9.9	13	48	10	8	10	7	2	2	2	6	

表 2 近 17 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		
2019.11.15	1	1					

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
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
2021.9.9	1					3	

3 高被引论文作者

在本期 108 篇高被引文章中，78 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 47 位作者的文章进入各自领域前 1%，其中 11 位作者 ESI 高被引文章 ≥ 2 篇。同时可以看出，我校一批发文量、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	7
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
Li, Ang	公路学院	2
Wang, Qizhao	水利与环境学院	2
Zhao, Xuan	汽车学院	2
Zhou, Zhijun	公路学院	2
Zhu, Qi	水利与环境学院	2
Chen, Jie	水利与环境学院	1
Chen, Kaiyi	水利与环境学院	1
Chen, Qian	公路学院	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
Gao, Yanyan	水利与环境学院	1
Geng, Limin	汽车学院	1
Guo, Feng	水利与环境学院	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, Yi	经济与管理学院	1
Liu, Lidong	信息工程学院	1
Luo, Pingping	水利与环境学院	1
Ma, Enlin	公路学院	1
Qiu, Junling	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, Yonggang	公路学院	1
Wang, Zhichao	公路学院	1
Xie, Shaobo	汽车学院	1
Xu, Panpan	水利与环境学院	1
Xu, Zhigang	信息工程学院	1
Zhang, Jingxiao	经济与管理学院	1
Zhang, Jiupeng	公路学院	1
Zhang, Wei	信息工程学院	1

Zhang, WenXue	材料科学与工程学院	1
Zhang, Yuting	水利与环境学院	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 108 篇 ESI 高被引论文的来源期刊进行分析后，统计了 63 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 108 篇 ESI 高被引论文的 63 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 92.06%（上期为 85.29%左右），表明我校本期 ESI 高被引论文来源期刊的质量有了较大幅度的提升。

表 4 长安大学 ESI 高被引论文的 63 种来源期刊列表（按被引频次排序）

期刊名称	按被引频次的排名	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	1285	Q1	11.422	6.26
HUMAN AND ECOLOGICAL RISK ASSESSMENT	2	6	476	Q1	5.19	10.85
ENVIRONMENTAL EARTH SCIENCES	3	3	402	Q2	2.784	18.45
JOURNAL OF HAZARDOUS MATERIALS	4	4	331	Q1	10.588	3.56
APPLIED CATALYSIS B-ENVIRONMENTAL	5	4	304	Q1	19.503	2.32
JOURNAL OF MATERIALS CHEMISTRY A	6	2	237	Q1	12.732	4.37
APPLIED ENERGY	7	2	227	Q1	9.746	3.83
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	8	2	220	Q2	4.223	17.74
NANO ENERGY	9	2	196	Q1	17.881	5.195
ENGINEERING GEOLOGY	10	5	195	Q1	6.755	5.99
CHEMICAL ENGINEERING JOURNAL	11	1	159	Q1	13.273	3.55
ACS NANO	12	2	150	Q1	15.881	4.53
ARABIAN JOURNAL OF GEOSCIENCES	12	1	150	Q3	1.827	24.32

期刊名称	按被引频 次的排名	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
GEOCHIMICA ET COSMOCHIMICA ACTA	14	1	143	Q1	5.01	4.29
SCIENCE OF THE TOTAL ENVIRONMENT	15	1	133	Q1	7.963	6.52
JOURNAL OF CLEANER PRODUCTION	16	4	132	Q1	9.297	5.95
ENERGY	17	2	127	Q1	7.147	4.99
TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY	18	3	124	Q1	5.915	18.48
MINE WATER AND THE ENVIRONMENT	19	1	116	Q2	2.883	13.02
CATENA	20	1	113	Q1	5.198	8.64
ENVIRONMENTAL GEOCHEMISTRY AND HEALTH	21	3	109	Q1	4.609	11.37
APPLIED AND COMPUTATIONAL MATHEMATICS	22	1	104	Q1	3.898	9.01
GEOMATICS NATURAL HAZARDS & RISK	23	1	97	Q2	3.528	6.89
MEDITERRANEAN JOURNAL OF MATHEMATICS	23	1	97	Q2	1.4	17.67
SCIENCE BULLETIN	25	1	94	Q1	11.78	5.73
INTERNATIONAL JOURNAL OF WATER RESOURCES DEVELOPMENT	26	1	93	Q1	4.66	8.47
TRANSPORTATION RESEARCH PART C-EMERGING TECHNOLOGIES	27	1	90	Q1	8.089	4.34
APPLIED THERMAL ENGINEERING	28	1	89	Q1	5.295	6.51
JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES	29	2	87	Q3	2.372	11.59
RISK ANALYSIS	30	2	84	Q1	4	7.35
APPLIED SCIENCES-BASEL	31	1	83	Q2	2.679	12.92
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH	32	1	82	Q1	8.568	7.95
GEOCHEMISTRY	33	2	69	Q3	2.292	10.03
TRANSPORTATION RESEARCH PART D-TRANSPORT AND ENVIRONMENT	34	2	68	Q1	5.495	6.25
ENGINEERING WITH COMPUTERS	35	1	67	Q1	7.963	20.96
KNOWLEDGE-BASED SYSTEMS	35	1	67	Q1	8.038	4.96
JOURNAL OF PHYSICAL CHEMISTRY LETTERS	37	1	64	Q1	6.475	5.87
ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY	37	1	64	Q1	6.291	6.19
FILOMAT	39	1	60	Q3	0.844	20.77
INTERNATIONAL JOURNAL OF	40	1	58	Q2	3.819	9.5

期刊名称	按被引频 次的排名	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
GEOMECHANICS						
SUSTAINABLE DEVELOPMENT	41	1	55	Q1	6.159	10.47
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH	42	1	47	Q1	3.39	10.29
ENERGY STORAGE MATERIALS	43	1	44	Q1	17.789	2.99
INTERNATIONAL JOURNAL OF IMPACT ENGINEERING	44	1	43	Q1	4.208	14.4
INTERNATIONAL JOURNAL OF LOGISTICS-RESEARCH AND APPLICATIONS	45	1	32	Q3	3.821	11.12
ENERGY CONVERSION AND MANAGEMENT	46	1	30	Q1	9.709	4.25
ACCIDENT ANALYSIS AND PREVENTION	46	1	30	Q1	4.993	3.22
JOURNAL OF HYDROLOGY	48	1	29	Q1	5.722	7.56
ENGINEERING FAILURE ANALYSIS	49	1	28	Q2	3.114	14.63
SUSTAINABLE CITIES AND SOCIETY	50	1	27	Q1	7.587	3.68
LANDSLIDES	51	1	25	Q1	6.578	6.75
GEOSCIENCE FRONTIERS	52	1	24	Q1	6.853	9.28
IEEE ACCESS	52	1	24	Q2	3.367	13.64
IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE	54	1	17	Q1	16.389	3.32
JOURNAL OF THE ENERGY INSTITUTE	55	1	16	Q2	6.186	16
COMMUNICATIONS ON PURE AND APPLIED ANALYSIS	55	1	16	Q1	1.916	16
ROBOTICS AND COMPUTER-INTEGRATED MANUFACTURING	55	1	16	Q1	5.666	13.78
NONLINEAR ANALYSIS-REAL WORLD APPLICATIONS	58	1	15	Q1	2.763	7.05
JOURNAL OF MATERIALS IN CIVIL ENGINEERING	59	1	11	Q2	3.266	11
MEASUREMENT	59	1	11	Q1	3.927	6.83
TRANSPORTATION GEOTECHNICS	61	1	9	Q2	3.293	9
EUROPEAN JOURNAL OF ENVIRONMENTAL AND CIVIL ENGINEERING	62	1	8	Q2	2.516	8
ECOLOGICAL INDICATORS	62	1	8	Q2	4.958	8



图2 长安大学 108 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 2,842 篇 (ESI 高被引论文 36 篇), 总被引次数为 17,935 次, 篇均被引 6.31 次。本期全球有 1,805 所机构 (中国机构 344 所) 的工程学学科进入 ESI 全球排名前 1% 行列, 我校位列 473 位 (在中国机构中位列 91 位), 全球排位 26.20% (上期排位 27.48%), **进入全球工程学 ESI 机构排名前千分之三**。表 5 为近 17 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 17 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
2021.9.8	91	473	2,842	17,935

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 1,501 篇 (ESI 高被引论文 12 篇)，总被引次数为 12,903 次，篇均被引 8.6 次。本期全球有 840 所机构 (中国机构 85 所) 的地球科学进入 ESI 全球排名前 1% 行列，我校位列 529 位 (中国机构中位列 54 位)，全球排位 62.98% (比上期提升约 2.63%)。表 6 为近 12 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 12 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
2021.9.9	54	529	1,501	12,903

3 材料科学

本期我校在材料科学领域共发表 ESI 论文 1,624 篇 (ESI 高被引论文 7 篇)，总被引次数为 14,011 次，篇均被引 8.63 次。本期全球有 1056 所机构 (中国机构 237 所) 的材料科学进入 ESI 全球排名前 1% 行列，我校位列 666 位 (中国机构中位列 164 位)，全球排位 63.07% (比上期提升 2.25%)。表 7 为近 10 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 10 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
2021.9.9	164	666	1,624	14,011

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 957 篇（ESI 高被引论文 32 篇），总被引次数为 10,899 次，篇均被引 11.39 次。本期全球有 1,342 所机构（中国机构 169 所）的环境/生态科学进入 ESI 全球排名前 1% 行列，我校位列 752 位（中国机构中位列 82 位），全球排位 56.04%（比上期提升 2.88%）。表 8 为近 9 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 9 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
2021.9.9	82	752	957	10,899

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 2021.8.27）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、物理、计算机等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	2911	1.022	17937	70.58
Materials Science	2	1670	0.80	13898	79.15
Geosciences	3	1537	1.03	12592	77.78
Environment/Ecology	4	974	1.40	10540	73.71
Chemistry	5	700	0.92	6425	82.79
Physics	6	331	0.67	2333	77.26
Computer Science	7	276	1.20	1612	66.28
Social Sciences, general	8	170	2.11	712	59.39
Mathematics	9	179	1.33	1173	68.90
Agricultural Sciences	10	63	1.32	472	68.42
Biology & Biochemistry	11	42	1.47	287	77.27
Space Science	12	46	0.48	357	87.5
Economics & Business	13	38	2.20	197	58.82
Plant & Animal Science	14	26	0.87	114	62.96
Pharmacology & Toxicology	15	9	1.19	210	76
Clinical Medicine	16	28	0.47	80	54.55
Psychiatry/Psychology	17	22	1.0	80	80
Microbiology	18	5	1.24	123	87.5
Neuroscience & Behavior	19	11	0.35	34	71.43
Multidisciplinary	20	8	0.29	84	80
Molecular Biology & Genetics	21	4	0.21	32	100
Immunology	22	3	0.83	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、被引频次仍为最高，一直保持着较为稳定的发展趋势；材料科学的发文量、被引频次次之，发展较为迅速；地球科学、环境/生态科学保持相对稳定的发展态势。

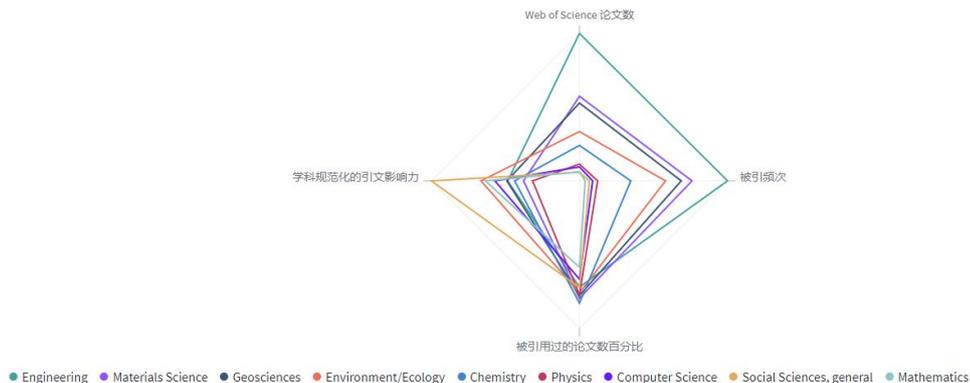
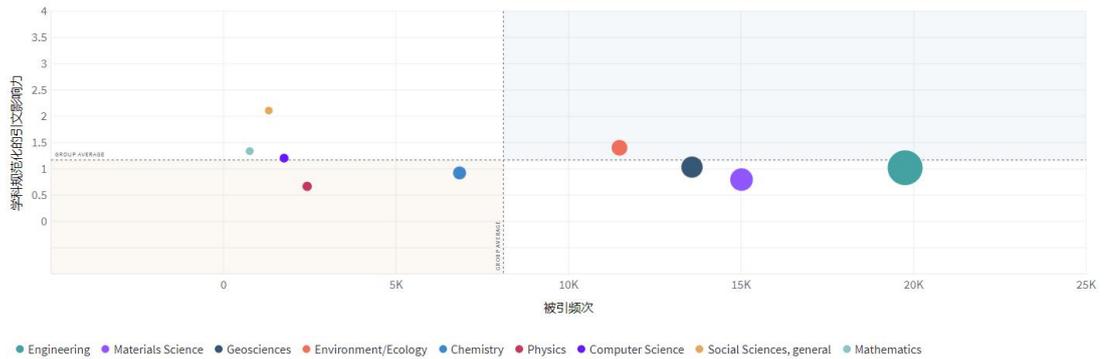


图3 长安大学发文量前9的ESI学科发文量、被引频次、CNCI、论文被引百分比的雷达图

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；化学学科的发文量、被引频次排在第5位，属于潜力优势学科，而且其CNCI值非常接近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：经济与商业领域的CNCI值最高，已达2.2，而且社会科学总论的CNCI值为2.11，也将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79%左右，社会科学总论与ESI全球前1%的机构阈值接近度已达77%左右，这两个学科将会是我校有望突破ESI全球前1%的学科，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；同时看到计算机科学与ESI全球前1%的机构阈值接近度已达40%左右，也有很大的发展空间。

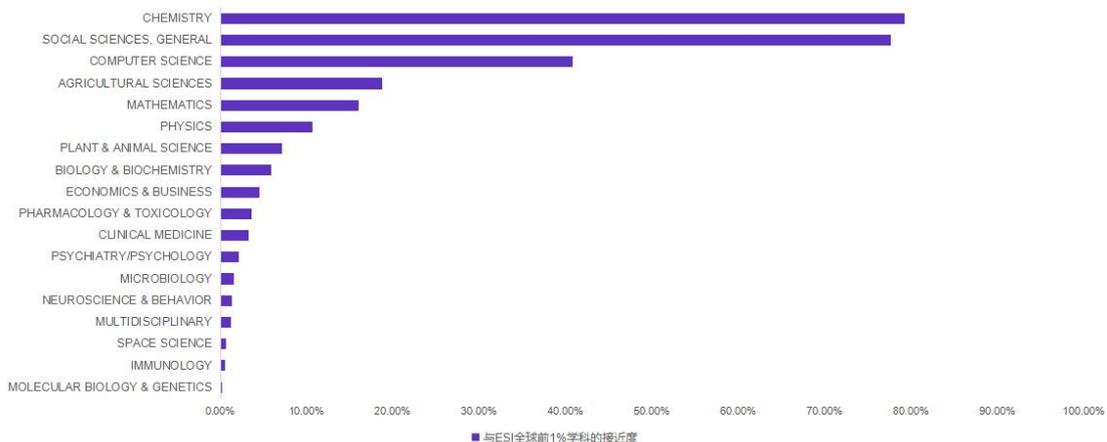


图 5 长安大学具有潜力进入 ESI 全球前 1%的学科预测情况

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	256
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	189
3	BUILDING A NEW AND SUSTAINABLE SILK ROAD ECONOMIC BELT PROMOTING LITHIUM POLYSULFIDE/SULFIDE REDOX KINETICS BY THE CATALYZING OF ZINC SULFIDE FOR HIGH PERFORMANCE LITHIUM-SULFUR BATTERY	000362903400023	LI, PY;QIAN, H;HOWARD, KWF;WU, JH	ENVIRONMENTAL EARTH SCIENCES 74 (10): 7267-7270 NOV 2015	ENVIRONMENT/ECOLOGY	178
4	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	177
5	OCCURRENCE AND HEALTH	000469217300003	LI, PY;HE, XD;LI,	EXPOSURE AND HEALTH	ENVIRONMENT/ECOLOGY	164

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
	IMPLICATION OF FLUORIDE IN GROUNDWATER OF LOESS AQUIFER IN THE CHINESE LOESS PLATEAU: A CASE STUDY OF TONGCHUAN, NORTHWEST CHINA		Y;XIANG, G	11 (2): 95-107 SP. ISS. SI JUN 2019		
6	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 GROUNDWATER IN AND AROUND A WASTEWATER IRRIGATED FOREST IN THE SOUTHEASTERN EDGE OF THE TENGGER DESERT, NORTHWEST CHINA	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	159
7	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	158
8		000401566600006	LI, PY;TIAN, R;XUE, CY;WU, JH	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH 24 (15): 13224-13234 MAY 2017	ENVIRONMENT/ECOLOGY	157

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
9	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	156
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 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	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	155
11	HYDROCHEMICAL APPRAISAL OF GROUNDWATER QUALITY FOR DRINKING AND IRRIGATION PURPOSES AND THE MAJOR INFLUENCING FACTORS: A CASE STUDY IN AND AROUND HUA	000400584900073	SHI, WL;GUO, F;YUAN, SL	APPLIED CATALYSIS B-ENVIRONMENTAL 209: 720-728 JUL 15 2017	CHEMISTRY	147
12		000369322200015	LI, PY;WU, JH;QIAN, H	ARABIAN JOURNAL OF GEOSCIENCES 9 (1): - JAN 2016	GEOSCIENCES	147

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
	COUNTY, CHINA					
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, K;SAWAKI, Y;TAHATA, M;SHU, DG;HAN, J;LI, Y;CHU, XL;ANBAR, AD	GEOCHIMICA ET COSMOCHIMICA ACTA 156: 173-193 MAY 1 2015	GEOSCIENCES	134
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	130
15	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	128
16	HYDROGEOCHEMICAL CHARACTERISTICS, GROUNDWATER QUALITY, AND HEALTH RISKS FROM	000469217300005	HE, S;WU, JH	EXPOSURE AND HEALTH 11 (2): 125-137 SP. ISS. SI JUN 2019	ENVIRONMENT/ECOLOGY	121

序号	论文名称	WOS号	作者	来源期刊	ESI 学科	ESI 被引次数
17	HEXAVALENT CHROMIUM AND NITRATE IN GROUNDWATER OF HUANHE FORMATION IN WUQI COUNTY, NORTHWEST CHINA 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
18	GEOCHEMISTRY, HYDRAULIC CONNECTIVITY AND QUALITY APPRAISAL OF MULTILAYERED GROUNDWATER IN THE HONGDUNZI COAL MINE, NORTHWEST CHINA GIS-BASED LANDSLIDE SUSCEPTIBILITY EVALUATION USING	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	113
19	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	106
20	HYDROCHEMICAL CHARACTERISTICS AND QUALITY EVALUATION OF GROUNDWATER IN TERMS OF HEALTH RISKS IN LUOHE AQUIFER IN WUQI COUNTY OF THE CHINESE	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	103

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
21	LOESS PLATEAU, NORTHWEST CHINA 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	95
22	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	94
23	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	93
24	CONJUNCTIVE USE OF GROUNDWATER AND SURFACE WATER TO REDUCE SOIL SALINIZATION IN THE YINCHUAN	000430045800002	LI, PY;QIAN, H;WU, JH	INTERNATIONAL JOURNAL OF WATER RESOURCES DEVELOPMENT 34 (3):	ENVIRONMENT/ECOLOGY	92

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
25	PLAIN, NORTH-WEST CHINA STUDY ON HIGHLY ENHANCED PHOTOCATALYTIC TETRACYCLINE DEGRADATION OF TYPE II AGI/CUBI2O4 AND Z-SCHEME AGBR/CUBI2O4 HETEROJUNCTION PHOTOCATALYSTS IN-SITU INCORPORATION OF COPPER(II) PORPHYRIN	000428101400013	GUO, F;SHI, WL;WANG, HB;HAN, MM;GUAN, WS;HUANG, H;LIU, Y;KANG, ZH	337-353 SP. ISS. SI 2018 JOURNAL OF HAZARDOUS MATERIALS 349: 111-118 MAY 5 2018	ENGINEERING	90
26	FUNCTIONALIZED ZIRCONIUM MOF AND TIO2 FOR EFFICIENT PHOTOCATALYTIC CO2 REDUCTION	000483302000011	WANG, L;JIN, PX;DUAN, SH;SHE, HD;HUANG, JW;WANG, QZ	SCIENCE BULLETIN 64 (13): 926-933 JUL 15 2019	CHEMISTRY	87
27	FOUR STAGES SYMMETRIC TWO-STEP P-STABLE METHOD WITH VANISHED PHASE-LAG AND ITS FIRST, SECOND, THIRD AND FOURTH DERIVATIVES EVALUATION OF GROUNDWATER CONTAMINATION FOR FLUORIDE AND	000378971700008	HUI, F;SIMOS, TE	APPLIED AND COMPUTATIONAL MATHEMATICS 15 (2): 220-238 2016	MATHEMATICS	86
28	NITRATE IN SEMI-ARID REGION OF NIRMAL PROVINCE, SOUTH INDIA: A SPECIAL EMPHASIS ON HUMAN HEALTH RISK ASSESSMENT (HHRA)	000474494500003	ADIMALLA, N;LI, PY;QIAN, H	HUMAN AND ECOLOGICAL RISK ASSESSMENT 25 (5): 1107-1124 JUL 4 2019	ENVIRONMENT/ECOLOGY	84
29	WHAT DRIVES PEOPLE TO ACCEPT AUTOMATED VEHICLES? FINDINGS	000447112500017	XU, ZG;ZHANG, KF;MIN, HG;WANG, Z;ZHAO,	TRANSPORTATION RESEARCH PART	ENGINEERING	84

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	FROM A FIELD EXPERIMENT		XM;LIU, P	C-EMERGING TECHNOLOGIES 95: 320-334 OCT 2018		
30	LANDSLIDE SUSCEPTIBILITY MODELING BASED ON GIS AND NOVEL BAGGING-BASED KERNEL LOGISTIC REGRESSION OCCURRENCE, HEALTH RISKS, AND GEOCHEMICAL MECHANISMS OF FLUORIDE AND NITRATE IN GROUNDWATER OF THE ROCK-DOMINANT SEMI-ARID REGION, TELANGANA STATE, INDIA	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	83
31	NOX EMISSION OF BIODIESEL COMPARED TO DIESEL: HIGHER OR LOWER? DISTRIBUTION AND CHARACTERISTICS OF LANDSLIDE IN LOESS PLATEAU: A CASE STUDY IN SHAANXI PROVINCE	000473500400005	ADIMALLA, N;LI, PY	HUMAN AND ECOLOGICAL RISK ASSESSMENT 25 (1-2): 81-103 SP. ISS. SI FEB 17 2019	ENVIRONMENT/ECOLOGY	83
32		000434491500058	CHEN, H;XIE, B;MA, JQ;CHEN, YS	APPLIED THERMAL ENGINEERING 137: 584-593 JUN 5 2018	ENGINEERING	82
33		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	81

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34	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
35	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	79
36	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	77
37	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	74
38	DEFINING A DIGITAL TWIN-BASED CYBER-PHYSICAL PRODUCTION SYSTEM FOR AUTONOMOUS MANUFACTURING IN SMART SHOP	000487303600005	DING, K;CHAN, FTS;ZHANG, XD;ZHOU, GH;ZHANG, FQ	INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH 57 (20): 6315-6334 OCT 18	ENGINEERING	73

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39	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	73
40	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	68
41	SOLUTE GEOCHEMISTRY AND MULTIVARIATE ANALYSIS OF WATER QUALITY IN THE GUOHUA PHOSPHORITE MINE, GUIZHOU PROVINCE, CHINA	000469217300002	LI, PY;TIAN, R;LIU, R	EXPOSURE AND HEALTH 11 (2): 81-94 SP. ISS. SI JUN 2019	ENVIRONMENT/ECOLOGY	67
42	FABRICATION OF CDS/TITANIUM-OXO-CLUSTER NANOCOMPOSITES BASED ON A TI-32 FRAMEWORK WITH ENHANCED PHOTOCATALYTIC ACTIVITY FOR TETRACYCLINE HYDROCHLORIDE DEGRADATION UNDER VISIBLE LIGHT	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	66
43	A FLUIDIZED LANDSLIDE OCCURRED	000430028000014	LENG, YQ;PENG,	ENGINEERING GEOLOGY	GEOSCIENCES	66

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	IN THE LOESS PLATEAU: A STUDY ON LOESS LANDSLIDE IN SOUTH JINGYANG TABLELAND OPTIMUM MODEL FOR BEARING CAPACITY OF CONCRETE-STEEL		JB;WANG, QY;MENG, ZJ;HUANG, WL	236: 129-136 SP. ISS. SI MAR 26 2018		
44	COLUMNS WITH AI TECHNOLOGY VIA INCORPORATING THE ALGORITHMS OF IWO AND ABC DAY-AHEAD TRAFFIC FLOW FORECASTING BASED ON A DEEP	000631566400001	SARIR, P;SHEN, SL;WANG, ZF;CHEN, J;HORPIBULSUK, S;PHAM, BT	ENGINEERING WITH COMPUTERS 37 (2): 797-807 APR 2021	COMPUTER SCIENCE	65
45	BELIEF NETWORK OPTIMIZED BY THE MULTI-OBJECTIVE PARTICLE SWARM ALGORITHM STATISTICAL AND MULTIVARIATE STATISTICAL TECHNIQUES TO TRACE	000463129500001	LI, LC;QIN, LQ;QU, X;ZHANG, J;WANG, YG;RAN, B	KNOWLEDGE-BASED SYSTEMS 172: 1-14 MAY 15 2019	COMPUTER SCIENCE	65
46	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	64
47	INVESTIGATION ON COMBUSTION AND EMISSION CHARACTERISTICS OF A COMMON RAIL DIESEL ENGINE FUELED WITH	000456351800026	CHEN, H;SU, X;HE, JJ;XIE, B	ENERGY 167: 297-311 JAN 15 2019	ENGINEERING	64

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48	DIESEL/N-PENTANOL/METHANOL BLENDS TYPE-II INSE/G-C3N4 HETEROSTRUCTURE AS A HIGH-EFFICIENCY OXYGEN EVOLUTION REACTION CATALYST FOR PHOTOELECTROCHEMICAL WATER SPLITTING 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	000471079400072	HE, C;ZHANG, JH;ZHANG, WX;LI, TT	JOURNAL OF PHYSICAL CHEMISTRY LETTERS 10 (11): 3122-3128 JUN 6 2019	CHEMISTRY	61
49	EVALUATING CRACK RESISTANCE OF ASPHALT MIXTURE BASED ON ESSENTIAL FRACTURE ENERGY AND FRACTURE TOUGHNESS SURFACE WATER POLLUTION IN THE MIDDLE CHINESE LOESS PLATEAU WITH SPECIAL FOCUS ON HEXAVALENT CHROMIUM (CR6+): OCCURRENCE, SOURCES AND HEALTH	000466056800019	ADIMALLA, N;QIAN, H	ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY 176: 153-161 JUL 30 2019	ENVIRONMENT/ECOLOGY	61
50		000468544600007	ZHANG, JP;TAN, HQ;PEI, JZ;QU, T;LIU, WL	INTERNATIONAL JOURNAL OF GEOMECHANICS 19 (4): - APR 1 2019	ENGINEERING	55
51		000558514900005	HE, XD;LI, PY	EXPOSURE AND HEALTH 12 (3): 385-401 SP. ISS. SI SEP 2020	ENVIRONMENT/ECOLOGY	55

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	RISKS					
	FINDING HIGH-QUALITY					
	GROUNDWATER RESOURCES TO					
	REDUCE THE HYDATIDOSIS					
52	INCIDENCE IN THE SHIQU COUNTY OF	000532189100016	WANG, D;WU, JH;WANG, YH;JI, YJ	EXPOSURE AND HEALTH 12 (2): 307-322 JUN 2020	ENVIRONMENT/ECOLOGY	55
	SICHUAN PROVINCE, CHINA: ANALYSIS, ASSESSMENT, AND MANAGEMENT					
	DRINKING WATER QUALITY AND					
	PUBLIC HEALTH					
53	MEASURING THE IMPACT OF RENEWABLE ENERGY, PUBLIC HEALTH EXPENDITURE, LOGISTICS, AND ENVIRONMENTAL PERFORMANCE ON SUSTAINABLE ECONOMIC GROWTH	000469217300001	LI, PY;WU, JH	EXPOSURE AND HEALTH 11 (2): 73-79 SP. ISS. SI JUN 2019	ENVIRONMENT/ECOLOGY	55
	EFFECTS OF GASOLINE AND POLYOXYMETHYLENE DIMETHYL ETHERS BLENDING IN DIESEL ON THE COMBUSTION AND EMISSION OF A COMMON RAIL DIESEL ENGINE					
54	A NEW HIGH ALGEBRAIC ORDER EFFICIENT FINITE DIFFERENCE	000505681000001	KHAN, SAR;ZHANG, Y;KUMAR, A;ZAVADSKAS, E;STREIMIKIENE, D	SUSTAINABLE DEVELOPMENT 28 (4): 833-843 JUL 2020	SOCIAL SCIENCES, GENERAL	54
	ETHERS BLENDING IN DIESEL ON THE COMBUSTION AND EMISSION OF A COMMON RAIL DIESEL ENGINE					
55	A NEW HIGH ALGEBRAIC ORDER EFFICIENT FINITE DIFFERENCE	000461534400077	CHEN, H;SU, X;LI, JH;ZHONG, XL	ENERGY 171: 981-999 MAR 15 2019	ENGINEERING	53
	A NEW HIGH ALGEBRAIC ORDER EFFICIENT FINITE DIFFERENCE					
56	A NEW HIGH ALGEBRAIC ORDER EFFICIENT FINITE DIFFERENCE	000416115500029	DONG, M;SIMOS, TE	FILOMAT 31 (15): 4999-5012 2017	MATHEMATICS	53

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57	METHOD FOR THE SOLUTION OF THE SCHRODINGER EQUATION CONSTRUCTION OF ELECTRIC VEHICLE DRIVING CYCLE FOR STUDYING ELECTRIC VEHICLE ENERGY CONSUMPTION AND EQUIVALENT EMISSIONS PUBLIC ACCEPTANCE OF FULLY AUTOMATED DRIVING: EFFECTS OF SOCIAL TRUST AND RISK/BENEFIT PERCEPTIONS	000531793800014	ZHAO, X;YE, YM;MA, J;SHI, PL;CHEN, H	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH 27 (30): 37395-37409 OCT 2020	ENVIRONMENT/ECOLOGY	52
58	INTEGRATED MULTI-OBJECTIVE STOCHASTIC FUZZY PROGRAMMING AND AHP METHOD FOR AGRICULTURAL WATER AND LAND OPTIMIZATION ALLOCATION UNDER MULTIPLE UNCERTAINTIES	000458171100005	LIU, P;YANG, R;XU, ZG	RISK ANALYSIS 39 (2): 326-341 SP. ISS. SI FEB 2019	SOCIAL SCIENCES, GENERAL	52
59	CONTINUUM ANALYSIS OF THE STRUCTURALLY CONTROLLED DISPLACEMENTS FOR LARGE-SCALE UNDERGROUND CAVERNS IN BEDDED ROCK MASSES	000456762600002	REN, CF;LI, ZH;ZHANG, HB	JOURNAL OF CLEANER PRODUCTION 210: 12-24 FEB 10 2019	ENGINEERING	47
60	POOR GROUNDWATER QUALITY AND HIGH POTENTIAL HEALTH RISKS IN	000514214800046	LI, A;LIU, Y;DAI, F;LIU, K;WEI, MD	TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY 97: - MAR 2020	ENGINEERING	44
61		000516648200001	HE, XD;LI, PY;WU, JH;WEI, MJ;REN,	ENVIRONMENTAL GEOCHEMISTRY AND	ENVIRONMENT/ECOLOGY	43

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	THE DATONG BASIN, NORTHERN CHINA: RESEARCH FROM PUBLISHED DATA		XF;WANG, D	HEALTH 43 (2): 791-812 SP. ISS. SI FEB 2021		
62	BOOSTING SODIUM STORAGE IN TWO-DIMENSIONAL PHOSPHORENE/TI3C2TX MXENE NANOARCHITECTURES WITH STABLE FLUORINATED INTERPHASE TWO-DIMENSIONAL POROUS	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	42
63	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	42
64	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	41
65	PREPARATION OF HETEROMETALLIC CONI-MOFS-MODIFIED BIVO4: A STEADY 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	40

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66	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	39
67	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	39
68	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	38
69	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	38
70	THE PRECURSOR-GUIDED HYDROTHERMAL SYNTHESIS OF CUBI2O4/WO3 HETEROSTRUCTURE WITH ENHANCED PHOTOACTIVITY UNDER SIMULATED SOLAR LIGHT	000504778400029	WANG, LP;HUANG, TT;YANG, GP;LU, CY;DONG, FL;LI, YL;GUAN, WS	JOURNAL OF HAZARDOUS MATERIALS 381: - JAN 5 2020	ENGINEERING	33

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	IRRADIATION AND MECHANISM INSIGHT					
71	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	33
72	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	APPLIED CATALYSIS B-ENVIRONMENTAL 263: - APR 2020	CHEMISTRY	33
73	RATIONAL DESIGN OF 3D/2D IN2O3 NANOCUBE/ZNIN2S4 NANOSHEET HETEROJUNCTION PHOTOCATALYST WITH LARGE-AREA HIGH-SPEED CHANNELS FOR PHOTOCATALYTIC OXIDATION OF 2,4-DICHLOROPHENOL UNDER VISIBLE LIGHT	000501387100066	ZHU, Q;SUN, YK;XU, S;LI, YL;LIN, XL;QIN, YL	JOURNAL OF HAZARDOUS MATERIALS 382: - JAN 15 2020	ENGINEERING	32
74	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	32

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75	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	32
76	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 SCIENCES, GENERAL	31
77	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	30
78	DYNAMIC STABILITY EVALUATION OF UNDERGROUND CAVERN SIDEWALLS AGAINST FLEXURAL TOPPLING CONSIDERING EXCAVATION-INDUCED DAMAGE	000640901700002	LI, A;DAI, F;LIU, Y;DU, HB;JIANG, RC	TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY 112: - JUN 2021	ENGINEERING	30
79	GROUNDWATER ARSENIC AND FLUORIDE AND ASSOCIATED ARSENICOSIS AND FLUOROSIS IN CHINA: OCCURRENCE, DISTRIBUTION	000516430700001	HE, XD;LI, PY;JI, YJ;WANG, YH;SU, ZM;VETTRIMURUGAN, E	EXPOSURE AND HEALTH 12 (3): 355-368 SP. ISS. SI SEP 2020	ENVIRONMENT/ECOLOGY	30

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	AND MANAGEMENT					
80	THE RELATION BETWEEN WORKING CONDITIONS, ABERRANT DRIVING BEHAVIOUR AND CRASH PROPENSITY AMONG TAXI DRIVERS IN CHINA 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)	000466830500004	WANG, YG;LI, LC;PRATO, CG	ACCIDENT ANALYSIS AND PREVENTION 126: 17-24 SP. ISS. SI MAY 2019	SOCIAL SCIENCES, GENERAL	29
81	LANDSLIDE RECONSTRUCTION USING SEISMIC SIGNAL CHARACTERISTICS AND NUMERICAL SIMULATIONS: CASE STUDY OF THE 2017 6.24 XINMO LANDSLIDE	000548696800019	ADIMALLA, N	ENVIRONMENTAL GEOCHEMISTRY AND HEALTH 42 (6): 1725-1752 SP. ISS. SI JUN 2020	ENVIRONMENT/ECOLOGY	29
82	ASSESSING THE ECO-ENVIRONMENTAL PERFORMANCE: AN PLS-SEM APPROACH WITH PRACTICE-BASED VIEW	000530092700011	YAN, Y;CUI, YF;GUO, J;HU, S;WANG, Z;YIN, SY	ENGINEERING GEOLOGY 270: - JUN 5 2020	GEOSCIENCES	29
83	INSIGHTS INTO HYDROLOGICAL AND HYDROCHEMICAL PROCESSES IN	000528179900001	KHAN, SAR;YU, Z	INTERNATIONAL JOURNAL OF LOGISTICS-RESEARCH AND APPLICATIONS 24 (3): 303-321 MAY 4 2021	ECONOMICS & BUSINESS	28
84		000514758300042	CHEN, J;QIAN, H;GAO, YY;WANG, HK;ZHANG,	JOURNAL OF HYDROLOGY 581: - FEB	ENGINEERING	28

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	RESPONSE TO WATER REPLENISHMENT FOR LAKES IN ARID REGIONS		MS	2020		
85	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	26
86	THE IMPACT OF ENVIRONMENTAL REGULATIONS ON URBAN GREEN INNOVATION EFFICIENCY: THE CASE OF XIAN	000533518300001	ZHANG, JX;KANG, L;LI, H;BALLESTEROS-PEREZ, P;SKITMORE, M;ZUO, J	SUSTAINABLE CITIES AND SOCIETY 57: - JUN 2020	ENGINEERING	26
87	PARAMETRIC STUDY ON EFFECTS OF EXCESS AIR/FUEL RATIO, SPARK TIMING, AND METHANOL INJECTION TIMING ON COMBUSTION CHARACTERISTICS AND PERFORMANCE OF NATURAL GAS/METHANOL DUAL-FUEL ENGINE AT LOW LOADS	000524316000048	CHEN, ZM;CHEN, H;WANG, L;GENG, LM;ZENG, K	ENERGY CONVERSION AND MANAGEMENT 210: - APR 15 2020	ENGINEERING	26
88	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	25
89	SEISMIC SIGNAL RECOGNITION AND INTERPRETATION OF THE 2019 7.23	000516002000002	YAN, Y;CUI, YF;TIAN, X;HU, S;GUO, J;WANG,	LANDSLIDES 17 (5): 1191-1206 MAY 2020	GEOSCIENCES	24

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	SHUICHENG LANDSLIDE BY SEISMOGRAM STATIONS HYDROGEOCHEMICAL CHARACTERIZATION AND QUALITY ASSESSMENT OF GROUNDWATER BASED ON INTEGRATED-WEIGHT WATER QUALITY INDEX IN A CONCENTRATED URBAN AREA		Z;YIN, SY;LIAO, LF			
90	A FAST CHAOTIC IMAGE ENCRYPTION SCHEME WITH SIMULTANEOUS PERMUTATION-DIFFUSION OPERATION	000531488500004	GAO, YY;QIAN, H;REN, WH;WANG, HK;LIU, FX;YANG, FX	JOURNAL OF CLEANER PRODUCTION 260: - JUL 1 2020	ENGINEERING	24
91	SOLUTE GEOCHEMISTRY AND GROUNDWATER QUALITY FOR DRINKING AND IRRIGATION PURPOSES: A CASE STUDY IN XINLE CITY, NORTH CHINA	000525466900069	LIU, LD;LEI, YH;WANG, D	IEEE ACCESS 8: 27361-27374 2020	ENGINEERING	24
92	A STATE-OF-THE-ART REVIEW AND META-ANALYSIS ON SUSTAINABLE SUPPLY CHAIN MANAGEMENT: FUTURE RESEARCH DIRECTIONS	000617623900018	ZHOU, YH;LI, PY;XUE, LL;DONG, ZH;LI, D	GEOCHEMISTRY 80 (4): - SUPPL. S DEC 2020	GEOSCIENCES	23
93	LANDSLIDE SUSCEPTIBILITY MODELING BASED ON ANFIS WITH TEACHING-LEARNING-BASED	000592391200012	KHAN, SAR;YU, Z;GOLPIRA, H;SHARIF, A;MARDANI, A	JOURNAL OF CLEANER PRODUCTION 278: - JAN 1 2021	ENGINEERING	23
94		000597401000007	CHEN, W;CHEN, X;PENG, JB;PANAHI, M;LEE, S	GEOSCIENCE FRONTIERS 12 (1): 93-107 JAN 2021	GEOSCIENCES	22

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
	OPTIMIZATION AND SATIN BOWERBIRD OPTIMIZER					
95	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	17
96	EFFECTS OF INJECTION TIMING AND RAIL PRESSURE ON PARTICULATE SIZE-NUMBER DISTRIBUTION OF A COMMON RAIL DI ENGINE FUELED WITH FISCHER-TROPSCH DIESEL SYNTHESIZED FROM COAL	000618773000010	GENG, LM;XIAO, YG;LI, SJ;CHEN, H;CHEN, XB	JOURNAL OF THE ENERGY INSTITUTE 95: 219-230 APR 2021	ENGINEERING	16
97	UNIQUENESS AND STABILITY OF TIME-PERIODIC PYRAMIDAL FRONTS FOR A PERIODIC COMPETITION-DIFFUSION SYSTEM PROPAGATION PHENOMENA FOR	000475504300014	BAO, XX;LI, WT;WANG, ZC	COMMUNICATIONS ON PURE AND APPLIED ANALYSIS 19 (1): 253-277 JAN 2020	MATHEMATICS	16
98	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	14
99	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	12

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
100	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
101	EXPERIMENTAL STUDY OF THE INFLUENCE OF DIFFERENT HOLE-FORMING METHODS ON THE BEARING CHARACTERISTICS OF POST-GROUTING PILE IN LOESS AREAS	000621107200004	ZHOU, ZJ;XU, F;LEI, JT;BAI, Y;CHEN, CR;XU, TY;ZHANG, ZP;ZHU, LX;LIU, T	TRANSPORTATION GEOTECHNICS 27: - MAR 2021	ENGINEERING	9
102	REVIEW OF CUTTING-EDGE SENSING TECHNOLOGIES FOR URBAN UNDERGROUND CONSTRUCTION	000579500000038	MA, EL;LAI, JX;WANG, LX;WANG, K;XU, SS;LI, CJ;GUO, CX	MEASUREMENT 167: - JAN 1 2021	ENGINEERING	9
103	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	8
104	INFLUENCE OF LANDFILL AND LAND USE SCENARIO ON RUNOFF, EVAPOTRANSPIRATION, AND SEDIMENT YIELD OVER THE CHINESE LOESS PLATEAU	000604880400002	HUO, AD;YANG, L;LUO, PP;CHENG, YX;PENG, JB;NOVER, D	ECOLOGICAL INDICATORS 121: - FEB 2021	ENVIRONMENT/ECOLOGY	7
105	BOOSTING INTERFACIAL CHARGE	000639191300023	LIU, Y;FENG, QG;LIU,	NANO ENERGY 81: - MAR	MATERIALS SCIENCE	7

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
106	TRANSFER FOR ALKALINE HYDROGEN EVOLUTION VIA RATIONAL INTERIOR SE MODIFICATION MODIFIED WATERBORNE EPOXY AS A COLD PAVEMENT BINDER: PREPARATION AND LONG-TERM WORKING PROPERTIES INTERACTIONS OF LANDSLIDE DEPOSIT WITH TERRACE SEDIMENTS:	000634782200011	W;LI, Q;WANG, YC;LIU, B;ZHENG, LR;WANG, W;HUANG, L;CHEN, LM;XIONG, X;LEI, YP CHEN, Q;WANG, SS;WANG, CH;WANG, F;FU, H;YANG, X	2021 JOURNAL OF MATERIALS IN CIVIL ENGINEERING 33 (5): - MAY 1 2021	ENGINEERING	7
107	PERSPECTIVES FROM VELOCITY OF DEPOSIT MOVEMENT AND APPARENT FRICTION ANGLE MICROSTRUCTURE AND PERMEABILITY EVOLUTION OF	000615526300007	DUAN, Z;CHENG, WC;PENG, JB;RAHMAN, MM;TANG, H	ENGINEERING GEOLOGY 280: - JAN 2021	GEOSCIENCES	6
108	REMOLDED LOESS WITH DIFFERENT DRY DENSITIES UNDER SATURATED SEEPAGE	000621883800002	XU, PP;ZHANG, QY;QIAN, H;QU, WG;LI, MN	ENGINEERING GEOLOGY 282: - MAR 5 2021	GEOSCIENCES	4

附表 2 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	000505681000001	KHAN, SAR;ZHANG, Y;KUMAR, A;ZAVADSKAS,	SUSTAINABLE DEVELOPMENT 28 (4):	SOCIAL SCIENCES, GENERAL	54

	HEALTH EXPENDITURE, LOGISTICS, AND ENVIRONMENTAL PERFORMANCE ON SUSTAINABLE ECONOMIC GROWTH		E;STREIMIKIENE, D	833-843 JUL 2020		
	DYNAMIC STABILITY EVALUATION OF UNDERGROUND CAVERN			TUNNELLING AND UNDERGROUND SPACE		
2	SIDEWALLS AGAINST FLEXURAL TOPPLING CONSIDERING EXCAVATION-INDUCED DAMAGE	000640901700002	LI, A;DAI, F;LIU, Y;DU, HB;JIANG, RC	TECHNOLOGY 112: - JUN 2021	ENGINEERING	30
	ASSESSING THE ECO-ENVIRONMENTAL			INTERNATIONAL JOURNAL OF LOGISTICS-RESEARCH AND APPLICATIONS 24 (3):	ECONOMICS & BUSINESS	
3	PERFORMANCE: AN PLS-SEM APPROACH WITH PRACTICE-BASED VIEW	000528179900001	KHAN, SAR;YU, Z	303-321 MAY 4 2021		28
	A STATE-OF-THE-ART REVIEW AND META-ANALYSIS ON SUSTAINABLE			JOURNAL OF CLEANER PRODUCTION 278: - JAN 1	ENGINEERING	
4	SUPPLY CHAIN MANAGEMENT: FUTURE RESEARCH DIRECTIONS	000592391200012	KHAN, SAR;YU, Z;GOLPIRA, H;SHARIF, A;MARDANI, A	2021		23
