

长安大学 ESI 月报

(2021 年 5 月 13 日更新数据)

长安大学图书馆

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：2021.5.13

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2021 年 5 月 13 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 2 月 28 日（跨度为十一年两个月）。数据显示本次全球上榜机构总数为 7108 所，相对于 2021 年 3 月公布的数据减少了 153 所；中国上榜机构数为 630 所（大陆 530，台湾 84，香港 14，澳门 2），比 2021 年 3 月增加了 5 所；中国上榜高校数为 400 所（大陆 338，台湾 52，香港 8，澳门 2），比 2021 年 3 月数据增加了 3 所。其中，大陆新增 7 所上榜高校，台湾 4 所高校退出榜单。新增上榜高校为：嘉兴学院、盐城工学院、宁夏大学、浙江海洋大学、山西师范大学、西安工业大学、湖北文理学院。退出榜单台湾高校为：中华大学、南台科技大学、暨南国际大学、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 7108 所，我校位列 2068 位（上期为 2248 位），ESI 全球排位 29.09%（上期为 30.96%），较上期上涨 1.87%；中国位列 ESI 全球高水平研究机构总数为 630 所，我校位列 248 位（上期为 264 位），排位 39.37%（上期为 42.24%），较上期上涨 2.87%。

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）、地球科学（Geosciences）、材料科学（Materials Science）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 8,121，总被引频次为 60,347 次，篇均被引频次为 7.43 次，其中 ESI 高被引论文有 116 篇（见附表 1，其发表的年代分布见图 1），比上期（121 篇）减少 5 篇。这些 ESI 高被引论文分布在：环境/生态科学领域 42 篇，工程学领域 31 篇，地球科学领域有 15 篇，社会科学总论 7 篇，材料科学领域 6 篇，数学领域 6 篇，化学领域 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 86 篇，其中包括作为第一通讯作者发表的 ESI 高被引论文 7 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，环境/生态科学领域 1 篇，经济与商业领域 1 篇，地球科学领域 1 篇，社会科学总论领域 1 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）。

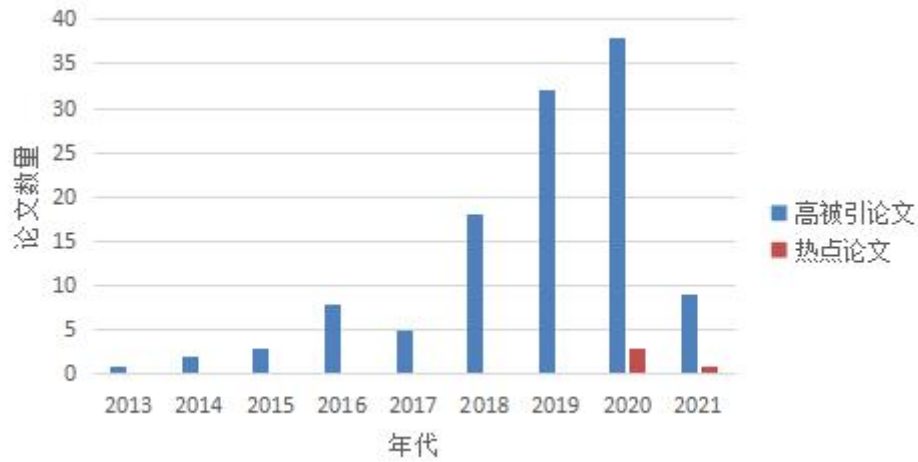


图 1 2021 年 5 月长安大学 ESI 高被引论文、热点论文的年代分布

2 高被引、热点论文院系分布

本期我校 116 篇 ESI 高被引论文的院系分布情况：水利与环境学院 52 篇（其中第一作者单位论文数 47 篇，合作发表论文数 5 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 18 篇（其中第一作者单位论文数 16 篇，合作发表论文数 2 篇）；地质工程与测绘学院 11 篇（其中第一作者单位论文数 3 篇，合作发表论文数 8 篇）；汽车学院 9 篇（其中第一作者单位论文数 8 篇，合作发表论文数 1 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 5 篇（其中合作发表论文数 5 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 3 篇（其中第一作者单位论文数 3 篇）；地球科学与资源学院 3 篇（其中第一作者单位论文数 1 篇，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，水利与环境学院高被引论文较上期增长幅度最大，增加 3 篇高被引论文；其次，地球科学与资源学院、经济与管理学院各增加 1 篇高被引论文；而公路学院、汽车学院较上期有所减少；其他学院相对稳定。表 1 和表 2 分别显示了我校近 15 期 ESI 高被引论文和 ESI 热点论文的院系分布变化情况。

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 15 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			
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	

表 2 近 15 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
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				
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

3 高被引论文作者

从 ESI 高被引论文的作者分布来看，我校已经涌现出一批发文量、被引频次较高的作者，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	14
Adimalla, Narsimha	水利与环境学院	9
He, Xiaodong	水利与环境学院	4
Qiu, Junling	公路学院	4
Wu, Jianhua	水利与环境学院	4
Chen, Hao	汽车学院	3
Bao, Xiongxiang	理学院	2
Wang, Qizhao	水利与环境学院	2
Zhang, Jiupeng	公路学院	2
Zhao, Xuan	汽车学院	2
Zhu, Qi	水利与环境学院	2
Peng, Jianbing	地质工程与测绘学院	1
Bao, Han	公路学院	1
Chen, Jie	水利与环境学院	1
Chen, Kaiyi	水利与环境学院	1
Ding, Kai	工程机械学院	1
Dong, Ming	信息工程学院	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, Xiaoping	公路学院	1
Ji, Yujie	水利与环境学院	1
Jiang, Yingjun	公路学院	1
Kang, LiuWang	汽车学院	1
Lai, Jinxing	公路学院	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
Song Xueli	理学院	1
Sun, Shijie	信息工程学院	1
Tan, Xiaoyong	公路学院	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, Wenke	水利与环境学院	1

作者	所属院系	高被引论文数
Wang, Xiaofeng	地球科学与资源学院	1
Wang, Yonggang	公路学院	1
Wang, Zhi-Feng	公路学院	1
Xie, Shaobo	汽车学院	1
Xu, Zhigang	信息工程学院	1
Yu, Shaowei	信息工程学院	1
Zhang, Hongbo	水利与环境学院	1
Zhang, Wei	信息工程学院	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 116 篇 ESI 高被引论文的来源期刊进行分析后, 统计了 68 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 4.762, 发表高被引论文为 14 篇; 影响因子最高的期刊为 *IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE*, 影响因子高达 17.861, 发表的高被引论文有 1 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 116 篇 ESI 高被引论文的 68 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 86.76% (上期为 91.18%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 68 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	14	1285	Q1	4.762	6.30
HUMAN AND ECOLOGICAL RISK ASSESSMENT	2	7	429	Q3	2.3	10.98
ENVIRONMENTAL EARTH SCIENCES	3	3	362	Q2	2.18	19.50
JOURNAL OF HAZARDOUS MATERIALS	4	4	288	Q1	9.04	3.94
APPLIED CATALYSIS B-ENVIRONMENTAL	5	4	256	Q1	16.68	2.61
APPLIED ENERGY	6	2	203	Q1	8.85	3.85

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
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	7	2	174	Q2	3.06	15.75
ENGINEERING GEOLOGY	8	4	162	Q1	4.78	5.72
NANO ENERGY	9	1	156	Q1	16.60	3.87
SCIENCE OF THE TOTAL ENVIRONMENT	9	2	154	Q1	6.55	5.27
CHEMICAL ENGINEERING JOURNAL	11	1	151	Q1	10.65	3.58
CHEMOSPHERE	11	1	148	Q1	5.78	5.77
ARABIAN JOURNAL OF GEOSCIENCES	13	1	142	Q4	1.33	26.25
JOURNAL OF MATERIALS CHEMISTRY A	14	1	139	Q1	11.30	5.18
GEOCHIMICA ET COSMOCHIMICA ACTA	15	1	132	Q1	4.66	4.28
SCIENTIFIC REPORTS	16	1	130	Q1	4.0	6.45
ENVIRONMENTAL GEOCHEMISTRY AND HEALTH	17	5	110	Q1	3.47	11.71
ENERGY	18	2	105	Q1	6.08	5.37
APPLIED AND COMPUTATIONAL MATHEMATICS	19	1	103	Q1	2.35	9.53
ACS NANO	20	2	100	Q1	14.59	4.59
MINE WATER AND THE ENVIRONMENT	20	1	100	Q1	3.18	13.31
MEDITERRANEAN JOURNAL OF MATHEMATICS	22	1	96	Q1	1.22	19.05
CATENA	23	1	88	Q1	4.33	8.12
GEOMATICS NATURAL HAZARDS & RISK	24	1	87	Q1	3.33	7.13
INTERNATIONAL JOURNAL OF WATER RESOURCES DEVELOPMENT	25	1	87	Q1	3.14	8.92
APPLIED SCIENCES-BASEL	26	1	78	Q2	2.47	14.28
TRANSPORTATION RESEARCH PART C-EMERGING TECHNOLOGIES	27	1	75	Q1	6.08	4.39
APPLIED THERMAL ENGINEERING	28	1	73	Q1	4.73	6.25
SCIENCE BULLETIN	29	1	72	Q1	9.51	5.94
JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES	30	1	71	Q3	1.65	14.67
JOURNAL OF CLEANER PRODUCTION	30	3	71	Q1	7.25	4.90
RISK ANALYSIS	32	2	70	Q1	3.14	8.21
ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY	33	2	66	Q1	4.87	6.345
RENEWABLE & SUSTAINABLE ENERGY REVIEWS	33	1	65	Q1	12.11	1.89
TUNNELLING AND UNDERGROUND SPACE	35	2	65	Q1	4.45	12.55

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
TECHNOLOGY						
NONLINEAR DYNAMICS	35	1	63	Q1	4.87	5.68
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH	37	1	62	Q1	4.58	8.25
FILOMAT	38	1	59	Q2	0.85	23.07
INTERNATIONAL JOURNAL OF PAVEMENT ENGINEERING	39	2	57	Q2	2.65	8.07
NATURAL HAZARDS	40	1	53	Q2	2.43	3.75
KNOWLEDGE-BASED SYSTEMS	40	1	52	Q1	5.92	5.01
INTERNATIONAL JOURNAL OF GEOMECHANICS	42	1	49	Q2	2.59	10.32
COMPUTERS AND GEOTECHNICS	43	1	46	Q1	3.82	6.91
GEOFLUIDS	44	2	46	Q2	1.53	12.69
GEOCHEMISTRY	45	2	44	Q4	n/a	9.66
IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS	45	1	42	Q1	6.32	5.41
TRANSPORTATION RESEARCH PART D-TRANSPORT AND ENVIRONMENT	47	2	39	Q1	4.58	6.0
MATHEMATICAL METHODS IN THE APPLIED SCIENCES	48	1	39	Q2	1.63	6.18
SUSTAINABLE DEVELOPMENT	49	1	34	Q1	4.08	13.28
JOURNAL OF ASIAN EARTH SCIENCES	50	1	32	Q2	3.06	8.42
INTERNATIONAL JOURNAL OF IMPACT ENGINEERING	50	1	30	Q1	3.64	17.29
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH	52	1	24	Q1	2.85	10.8
ACCIDENT ANALYSIS AND PREVENTION	53	1	23	Q1	3.66	3.37
ENERGY STORAGE MATERIALS	54	1	22	Q1	16.28	2.71
JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	55	1	21	Q4	1.13	19.4
ADVANCES IN CIVIL ENGINEERING	55	1	18	Q3	1.18	12.86
ROAD MATERIALS AND PAVEMENT DESIGN	57	1	16	Q2	2.58	8.75
LANDSLIDES	57	1	16	Q1	4.71	8.1
INTERNATIONAL JOURNAL OF LOGISTICS-RESEARCH AND APPLICATIONS	59	1	14	Q3	2.15	11.55
INTERNATIONAL JOURNAL OF OCCUPATIONAL SAFETY AND ERGONOMICS	59	1	13	Q3	1.60	4.73

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
COMMUNICATIONS ON PURE AND APPLIED ANALYSIS	61	1	12	Q2	1.11	12
NONLINEAR ANALYSIS-REAL WORLD APPLICATIONS	61	1	11	Q1	2.07	7.33
GEOSCIENCE FRONTIERS	61	1	10	Q1	4.20	6.84
IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE	64	1	9	Q1	17.86	1.88
ROBOTICS AND COMPUTER-INTEGRATED MANUFACTURING	65	1	7	Q1	5.06	7
MEASUREMENT	65	1	6	Q1	3.36	6
ECOLOGICAL INDICATORS	67	1	5	Q1	4.23	5
POLISH JOURNAL OF ENVIRONMENTAL STUDIES	68	1	3	Q4	1.38	3

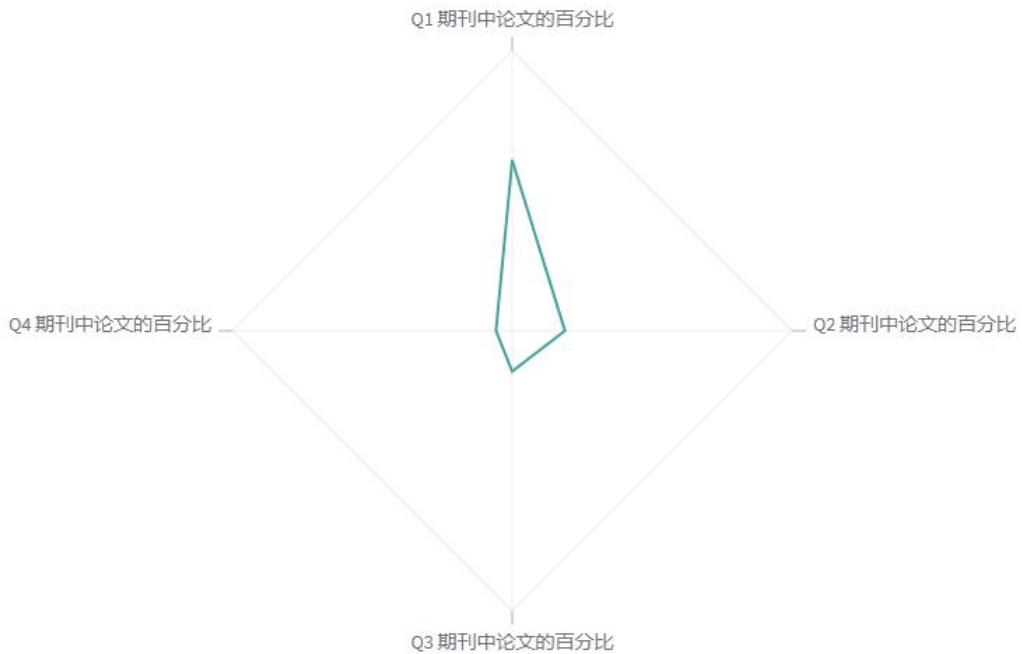


图 2 长安大学 116 篇 ESI 高被引论文来源期刊的分区占比图

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 2,593 篇 (ESI 高被引论文 31 篇), 总被引次数为 15,124 次, 篇均被引 5.83 次。本期全球有 1,722 所机构 (中国机构 327 所) 的工程学学科进入 ESI 全球排名前 1% 行列, 我校位列 506 位 (在中国机构中位列 96 位), 全球排位 29.38%, **进入全球 ESI 机构排名前千分之三**。表 5 为近 15 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 15 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

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 1,365 篇 (ESI 高被引论文 15 篇), 总被引次数为 11,320 次, 篇均被引 8.29 次。本期全球有 806 所机构 (中国机构 80 所) 的地球科学进入 ESI 全球排名前 1% 行列, 我校位列 543 位 (中国机构中位列 54 位), 全球排位 67.37% (比上期提升约 4.63%)。表 6 为近 10 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 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
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

3 材料科学

本期我校在材料科学领域共发表 ESI 论文 1,507 篇（ESI 高被引论文 6 篇），总被引次数为 11,995 次，篇均被引 7.96 次。本期全球有 1015 所机构（中国机构 228 所）的材料科学进入 ESI 全球排名前 1% 行列，我校位列 690 位（中国机构中位列 166 位），全球排位 67.98%（比上期提升 3.66%）。表 7 为近 8 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 8 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

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 869 篇（ESI 高被引论文 42 篇），总被引次数为 9,106 次，篇均被引 10.48 次。本期全球有 1,257 所机构（中国机构 141 所）的环境/生态科学进入 ESI 全球排名前 1% 行列，我校位列 760 位（中国机构中位列 80 位），全球排位 60.46%（比上期提升 6.95%）。表 8 为近 7 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 7 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

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 2020.4.30）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	2748	1.01	18753	70.74
Materials Science	2	1613	0.79	14271	78.98
Geosciences	3	1556	1.03	16942	80.27
Environment/Ecology	4	909	1.51	10760	73.60
Chemistry	5	734	0.91	7389	82.43
Physics	6	334	0.80	2702	79.94
Computer Science	7	270	1.47	1618	66.67
Mathematics	8	177	1.45	834	62.15
Social Sciences, general	9	154	2.04	1063	67.53
Agricultural Sciences	10	58	1.15	425	63.79
Biology & Biochemistry	11	45	0.92	343	75.56
Space Science	11	45	0.45	273	75.56
Clinical Medicine	13	27	0.46	110	55.56
Economics & Business	13	27	1.42	167	62.97
Plant & Animal Science	15	26	1.00	238	80.77
Psychiatry/Psychology	16	21	0.54	71	52.38
Neuroscience & Behavior	17	10	0.35	81	70
Multidisciplinary	18	9	0.33	53	77.78
Pharmacology & Toxicology	19	8	0.97	122	87.5
Microbiology	20	6	1.14	99	83.33
Immunology	21	3	0.94	31	100
Molecular Biology & Genetics	21	3	0.28	31	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。

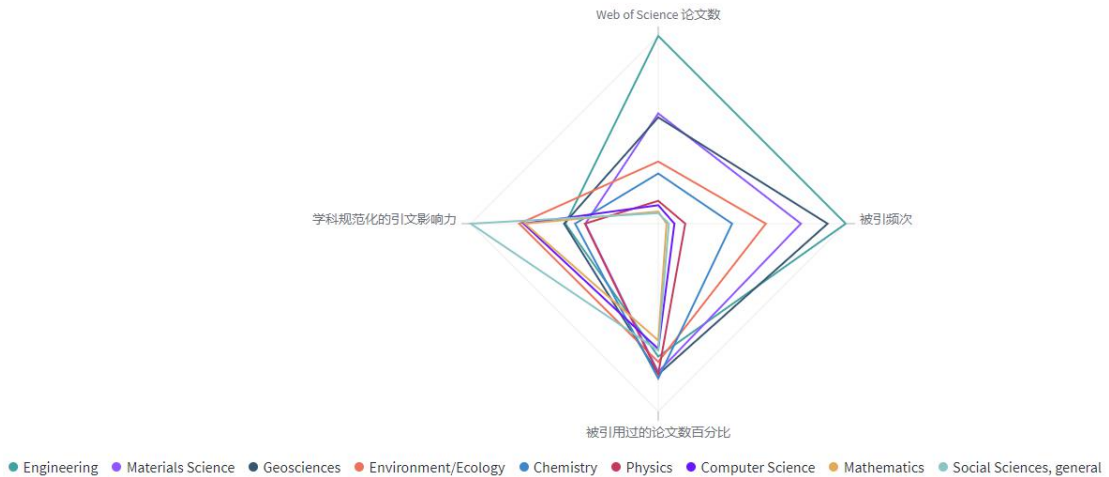
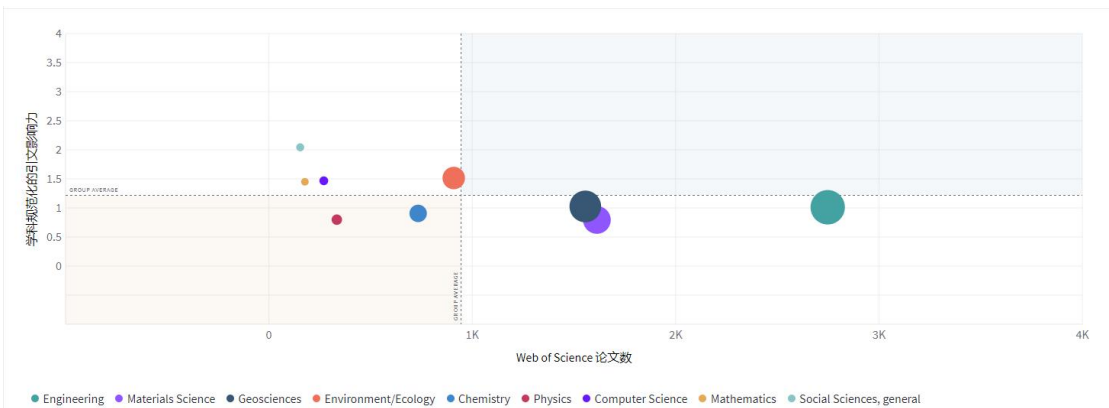


图 3 长安大学发文量前 9 的 ESI 学科发文量、被引频次、CNCI、论文被引百分比的雷达图

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，也是我校的一个潜力发展学科领域。



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 87% 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 65.78%，也是我校的潜力发展学科领域。

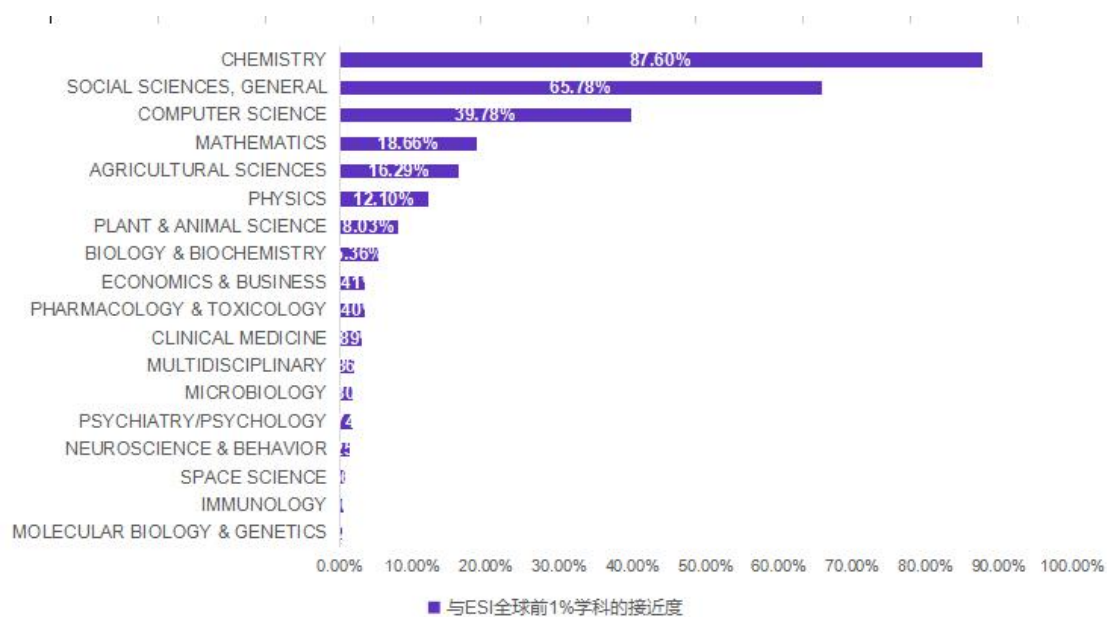


图 5 长安大学具有潜力进入 ESI 全球前 1%的学科预测情况

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/EC OLOGY	242
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/EC OLOGY	172
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/EC OLOGY	171
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	151
5	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	151

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
6	PROGRESS, OPPORTUNITIES, AND KEY FIELDS FOR GROUNDWATER QUALITY RESEARCH UNDER THE IMPACTS OF HUMAN ACTIVITIES IN CHINA WITH A SPECIAL FOCUS ON WESTERN CHINA	000401566600006	LI, PY;TIAN, R;XUE, CY;WU, JH	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH 24 (15): 13224-13234 MAY 2017	ENVIRONMENT/EC OLOGY	150
7	MICROWAVE SYNTHESIS OF A NOVEL MAGNETIC IMPRINTED TIO2 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	149
8	HYDROGEOCHEMICAL CHARACTERIZATION OF GROUNDWATER IN AND AROUND A WASTEWATER IRRIGATED FOREST IN THE SOUTHEASTERN EDGE OF THE TENGER DESERT, NORTHWEST 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/EC OLOGY	148
9	OCCURRENCE AND HEALTH IMPLICATION OF FLUORIDE IN GROUNDWATER OF LOESS AQUIFER IN THE CHINESE LOESS PLATEAU: A CASE STUDY OF TONGCHUAN, NORTHWEST CHINA	000469217300003	LI, PY;HE, XD;LI, Y;XIANG, G	EXPOSURE AND HEALTH 11 (2): 95-107 SP. ISS. SI JUN 2019	ENVIRONMENT/EC OLOGY	145
10	ADSORPTION OF CADMIUM BY BIOCHAR DERIVED FROM MUNICIPAL SEWAGE SLUDGE: IMPACT FACTORS AND ADSORPTION MECHANISM	000356549500039	CHEN, T;ZHOU, ZY;HAN, R;MENG, RH;WANG, HT;LU, WJ	CHEMOSPHERE 134: 286-293 SEP 2015	ENVIRONMENT/EC OLOGY	144

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
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	140
12	IN SITU SYNTHESIS OF Z-SCHEME AG3PO4/CUBI2O4 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	135
13	MOF-DERIVED POROUS N-CO3O4@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	132
14	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	127

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
15	A QUANTITATIVE ANALYSIS OF HYDRAULIC INTERACTION PROCESSES IN STREAM AQUIFER SYSTEMS	000368794100001	WANG, WK;DAI, ZX;ZHAO, YQ;LI, JT;DUAN, L;WANG, ZF;ZHU, L	SCIENTIFIC REPORTS ENVIRONMENT/EC 6: - JAN 28 2016	ENVIRONMENT/EC OLOGY	126
16	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	116
17	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/EC OLOGY	114
18	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/EC OLOGY	109
19	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/EC OLOGY	105
20	GEOCHEMISTRY, HYDRAULIC CONNECTIVITY AND QUALITY APPRAISAL OF MULTILAYERED GROUNDWATER IN THE HONGDUNZI COAL MINE, NORTHWEST CHINA	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/EC OLOGY	100

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
21	ASSESSING NITRATE AND FLUORIDE CONTAMINANTS IN DRINKING WATER AND THEIR HEALTH RISK OF RURAL RESIDENTS LIVING IN A SEMIARID REGION OF NORTHWEST CHINA	000407388500003	CHEN, J;WU, H;QIAN, H;GAO, YY	EXPOSURE AND HEALTH 9 (3): 183-195 SEP 2017	ENVIRONMENT/EC OLOGY	94
22	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/EC OLOGY	89
23	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	87
24	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/EC OLOGY	86
25	FOUR STAGES SYMMETRIC TWO-STEP P-STABLE METHOD WITH VANISHED PHASE-LAG AND ITS FIRST, SECOND, THIRD AND FOURTH DERIVATIVES	000378971700008	HUI, F;SIMOS, TE	APPLIED AND COMPUTATIONAL MATHEMATICS 15 (2): 220-238 2016	MATHEMATICS	86

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
26	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	86
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	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	76
29	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	76
30	SPATIAL GROUNDWATER QUALITY AND POTENTIAL HEALTH RISKS DUE TO NITRATE INGESTION THROUGH DRINKING WATER: A CASE STUDY IN YANAN CITY ON THE LOESS PLATEAU	000473500400002	LI, PY;HE, XD;GUO, WY	HUMAN AND ECOLOGICAL RISK ASSESSMENT 25 (1-2): 11-31 SP. ISS. SI FEB	ENVIRONMENT/EC OLOGY	75

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
	OF NORTHWEST CHINA			17 2019		
31	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/EC OLOGY	75
32	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	72
33	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	70
34	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	70
35	DISTRIBUTION AND CHARACTERISTICS OF LANDSLIDE IN LOESS PLATEAU: A CASE STUDY IN	000430028000010	ZHUANG, JQ;PENG, JB;WANG, GH;JAVED, I;WANG, Y;LI, W	ENGINEERING GEOLOGY 236: 89-96	GEOSCIENCES	69

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	SHAANXI PROVINCE			SP. ISS. SI MAR 26 2018		
36	SEASONAL HYDROCHEMICAL CHARACTERIZATION AND GROUNDWATER QUALITY DELINEATION BASED ON MATTER ELEMENT EXTENSION ANALYSIS IN A PAPER WASTEWATER IRRIGATION AREA, NORTHWEST CHINA	000449851900003	LI, PY;HE, S;HE, XD;TIAN, R	EXPOSURE AND HEALTH 10 (4): 241-258 DEC 2018	ENVIRONMENT/EC OLOGY	67
37	IN-SITU INCORPORATION OF COPPER(II) PORPHYRIN 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	67
38	EVALUATION OF GROUNDWATER CONTAMINATION FOR FLUORIDE AND 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/EC OLOGY	67
39	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	65
40	COMPREHENSIVE UNDERSTANDING OF GROUNDWATER QUALITY FOR DOMESTIC AND AGRICULTURAL PURPOSES IN TERMS OF HEALTH RISKS IN A COAL MINE AREA OF THE ORDOS	000476489300015	WU, JH;ZHOU, H;HE, S;ZHANG, YX	ENVIRONMENTAL EARTH SCIENCES 78 (15): - AUG 2019	ENVIRONMENT/EC OLOGY	64

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41	BASIN, NORTH OF THE CHINESE LOESS PLATEAU 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/EC OLOGY	64
42	RELATIVE VELOCITY DIFFERENCE MODEL FOR THE CAR-FOLLOWING THEORY	000424037200001	YU, SW;TANG, JJ;XIN, Q	NONLINEAR DYNAMICS 91 (3): 1415-1428 FEB 2018	ENGINEERING	63
43	A STATE-OF-THE-ART REVIEW OF SUSTAINABLE ENERGY BASED FREEZE PROOF TECHNOLOGY FOR COLD-REGION TUNNELS IN CHINA	000418574800110	LAI, JX;WANG, XL;QIU, JL;ZHANG, GZ;CHEN, JX;XIE, YL;LUO, YB	RENEWABLE & SUSTAINABLE ENERGY REVIEWS 82: 3554-3569 PART 3 FEB 2018	ENGINEERING	63
44	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	57
45	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	56

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46	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	55
47	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
48	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/EC OLOGY	53
49	RESPONSE CHARACTERISTICS AND PREVENTIONS FOR SEISMIC SUBSIDENCE OF LOESS IN NORTHWEST CHINA	000433913500032	QIU, JL;WANG, XL;LAI, JX;ZHANG, Q;WANG, JB	NATURAL HAZARDS 92 (3): 1909-1935 JUL 2018	GEOSCIENCES	52
50	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	51
51	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	51

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52	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 SAFETY 254: 541-550 OCT 5 2019	CHEMISTRY	50
53	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/EC OLOGY	49
54	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	48
55	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/EC OLOGY	46
56	ENHANCING DISCHARGE OF SPOIL TO MITIGATE DISTURBANCE INDUCED BY HORIZONTAL JET GROUTING IN CLAYEY SOIL: THEORETICAL MODEL AND APPLICATION	000469160500020	WANG, ZF;SHEN, SL;MODONI, G	COMPUTERS AND GEOTECHNICS 111: 222-228 JUL 2019	COMPUTER SCIENCE	46

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57	PUBLIC ACCEPTANCE OF FULLY AUTOMATED DRIVING: EFFECTS OF SOCIAL TRUST AND RISK/BENEFIT PERCEPTIONS EFFECTS OF GASOLINE AND	000458171100005	LIU, P;YANG, R;XU, ZG	RISK ANALYSIS 39 (2): 326-341 SP. ISS. SI FEB 2019	SOCIAL SCIENCES, GENERAL	44
58	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	44
59	DRINKING WATER QUALITY AND PUBLIC HEALTH FINDING HIGH-QUALITY GROUNDWATER RESOURCES TO REDUCE THE HYDATIDOSIS	000469217300001	LI, PY;WU, JH	EXPOSURE AND HEALTH 11 (2): 73-79 SP. ISS. SI JUN 2019	ENVIRONMENT/EC OLOGY	44
60	INCIDENCE IN THE SHIQU COUNTY OF SICHUAN PROVINCE, CHINA: ANALYSIS, ASSESSMENT, AND MANAGEMENT	000532189100016	WANG, D;WU, JH;WANG, YH;JI, YJ	EXPOSURE AND HEALTH 12 (2): 307-322 JUN 2020	ENVIRONMENT/EC OLOGY	44
61	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	41
62	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/EC OLOGY	41

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63	MISSING VALUE IMPUTATION FOR TRAFFIC-RELATED TIME SERIES DATA BASED ON A MULTI-VIEW LEARNING METHOD	00047894800011	LI, LC;ZHANG, J;WANG, YG;RAN, B	IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS 20 (8): 2933-2943 AUG 2019	ENGINEERING	40
64	GLOBAL ASYMPTOTIC STABILITY OF CNNs WITH IMPULSES AND MULTI-PROPORTIONAL DELAYS	00037023460010	SONG, XL;ZHAO, P;XING, ZW;PENG, JG	MATHEMATICAL METHODS IN THE APPLIED SCIENCES 39 (4): 722-733 MAR 2016	MATHEMATICS	39
65	POTENTIAL HEALTH RISK ASSESSMENT FOR FLUORIDE AND NITRATE CONTAMINATION IN HARD ROCK AQUIFERS OF SHANMUGANADHI RIVER BASIN, SOUTH INDIA	000473500400014	KARUNANIDHI, D;ARAVINTHASAMY, P;SUBRAMANI, T;WU, JH;SRINIVASAMOORTHY, K	HUMAN AND ECOLOGICAL RISK ASSESSMENT 25 (1-2): 250-270 SP. ISS. SI FEB 17 2019	ENVIRONMENT/EC OLOGY	38
66	EFFECTS OF MATERIAL CHARACTERISTICS ON ASPHALT AND FILLER INTERACTION ABILITY SURFACE WATER POLLUTION IN THE MIDDLE CHINESE LOESS PLATEAU WITH SPECIAL FOCUS	000468989700007	ZHANG, JP;LI, XQ;LIU, GQ;PEI, JZ	INTERNATIONAL JOURNAL OF PAVEMENT ENGINEERING 20 (8): 928-937 AUG 3 2019	ENGINEERING	38
67	ON HEXAVALENT CHROMIUM (CR6+): OCCURRENCE, SOURCES AND HEALTH RISKS	000558514900005	HE, XD;LI, PY	EXPOSURE AND HEALTH 12 (3): 385-401 SP. ISS. SI SEP 2020	ENVIRONMENT/EC OLOGY	37

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68	CONTINUUM ANALYSIS OF THE STRUCTURALLY CONTROLLED 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	34
69	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	33
70	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	33
71	DISTRIBUTION AND GENETIC TYPES OF LOESS LANDSLIDES IN CHINA	000460713200024	PENG, JB;WANG, SK;WANG, QY;ZHUANG, JQ;HUANG, WL;ZHU, XH;LENG, YQ;MA, PH	JOURNAL OF ASIAN EARTH SCIENCES 170: 329-350 FEB 2019	GEOSCIENCES	31
72	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/EC OLOGY	30
73	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. SI FEB	ENVIRONMENT/EC OLOGY	28

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74	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	2021 TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY 96: - FEB 2020	ENGINEERING	27
75	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	26
76	THE PRECURSOR-GUIDED HYDROTHERMAL SYNTHESIS OF CUBI2O4/WO3 HETEROSTRUCTURE WITH ENHANCED PHOTOACTIVITY UNDER SIMULATED SOLAR LIGHT IRRADIATION AND MECHANISM INSIGHT	000504778400029	WANG, LP;HUANG, TT;YANG, GP;LU, CY;DONG, FL;LI, YL;GUAN, WS	JOURNAL OF HAZARDOUS MATERIALS 381: - JAN 5 2020	ENGINEERING	25
77	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	25
78	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	25

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79	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	24
80	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/EC OLOGY	24
81	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/EC OLOGY	24
82	GROUNDWATER ARSENIC AND FLUORIDE AND ASSOCIATED ARSENICOSIS AND FLUOROSIS IN CHINA: OCCURRENCE, DISTRIBUTION AND MANAGEMENT	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/EC OLOGY	23
83	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	22

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84	RELATIONSHIP BETWEEN THE DEVELOPMENT AND CO2 EMISSIONS OF TRANSPORT SECTOR IN CHINA	00048635900001	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	22
85	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	22
86	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)	000548696800019	ADIMALLA, N	ENVIRONMENTAL GEOCHEMISTRY AND HEALTH 42 (6): 1725-1752 SP. ISS. SI JUN 2020	ENVIRONMENT/EC OLOGY	21
87	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	21
88	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	21
89	SEASONAL VARIATION OF DRINKING WATER QUALITY AND HUMAN HEALTH RISK ASSESSMENT IN HANCHENG CITY OF	000524920400001	JI, YJ;WU, JH;WANG, YH;ELUMALAI, V;SUBRAMANI, T	EXPOSURE AND HEALTH 12 (3): 469-485 SP. ISS. SI SEP	ENVIRONMENT/EC OLOGY	20

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	GUANZHONG PLAIN, CHINA			2020		
90	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	20
91	PREPARATION AND REPEATED REPAIRABILITY EVALUATION OF SUNFLOWER OIL-TYPE MICROENCAPSULATED FILLING MATERIALS	000484782900028	TAN, XY;ZHANG, JP;GUO, D;SUN, GQ;ZHOU, YY;ZHANG, WW	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY 20 (3): 1554-1566 MAR 2020	MATERIALS SCIENCE	20
92	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	20
93	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	19
94	RATIONAL DESIGN OF 3D/2D IN2O3 NANOCUBE/ZNIN2S4 NANOSHEET HETEROJUNCTION PHOTOCATALYST WITH LARGE-AREA HIGH-SPEED CHANNELS FOR PHOTOCATALYTIC OXIDATION OF	000501387100066	ZHU, Q;SUN, YK;XU, S;LI, YL;LIN, XL;QIN, YL	JOURNAL OF HAZARDOUS MATERIALS 382: - JAN 15 2020	ENGINEERING	19

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	2,4-DICHLOROPHENOL UNDER VISIBLE LIGHT			INTERNATIONAL JOURNAL OF PAVEMENT ENGINEERING 21 (1): 112-121 JAN 2 2020	ENGINEERING	18
95	APPLICATION OF NUMERICAL SIMULATION METHOD TO IMPROVE SHEAR STRENGTH AND RUTTING RESISTANCE OF ASPHALT MIXTURE	000495795100011	JI, XP;JIANG, YJ;ZOU, HW;CAO, F;HOU, YQ	ADVANCES IN CIVIL ENGINEERING 2020: - JUN 19 2020	ENGINEERING	18
96	AUTOMATIC MONITORING SYSTEM IN UNDERGROUND ENGINEERING CONSTRUCTION: REVIEW AND PROSPECT	000546138000001	WANG, LX;XU, SS;QIU, JL;WANG, K;MA, EL;LI, CJ;GUO, CX	ENVIRONMENTAL GEOCHEMISTRY AND HEALTH 42 (1): 173-190 SP. ISS. SI JAN 2020	ENVIRONMENT/EC OLOGY	17
97	HEAVY METALS POLLUTION ASSESSMENT AND ITS ASSOCIATED HUMAN HEALTH RISK EVALUATION OF URBAN SOILS FROM INDIAN CITIES: A REVIEW	000512034200013	ADIMALLA, N	GEOCHEMISTRY 80 (4): - SUPPL. S DEC 2020	GEOSCIENCES	17
98	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	ENVIRONMENTAL GEOCHEMISTRY AND HEALTH 43 (2): 813-835 SP. ISS. SI FEB 2021	ENVIRONMENT/EC OLOGY	16
99	GROUNDWATER QUALITY FOR POTABLE AND IRRIGATION USES AND ASSOCIATED HEALTH RISK IN SOUTHERN PART OF GUAN COUNTY, NORTH CHINA PLAIN	000525497800001	ZHOU, YH;LI, PY;CHEN, MJ;DONG, ZH;LU, CY			

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
100	INVESTIGATION OF THE FATIGUE PROPERTIES OF ASPHALT MIXTURE DESIGNED USING VERTICAL VIBRATION METHOD	000544423100016	JIANG, YJ;DENG, CQ;XUE, JS;LIU, HP;CHEN, ZJ	ROAD MATERIALS AND PAVEMENT DESIGN 21 (5): 1454-1469 JUL 3 2020	ENGINEERING	16
101	SPATIAL CHARACTERISTICS OF HEAVY METAL CONTAMINATION AND POTENTIAL HUMAN HEALTH RISK ASSESSMENT OF URBAN SOILS: A CASE STUDY FROM AN URBAN REGION OF SOUTH INDIA	000522141700061	ADIMALLA, N;CHEN, J;QIAN, H	ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY 194: - MAY 2020	ENVIRONMENT/EC OLOGY	15
102	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	15
103	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	14
104	TREATMENT AND EFFECT OF LOESS METRO TUNNEL UNDER SURROUNDING PRESSURE AND WATER IMMERSION ENVIRONMENT	000544663000001	WANG, LX;LI, CH;QIU, JL;WANG, K;LIU, T;LI, H	GEOFLUIDS 2020: - JUN 13 2020	GEOSCIENCES	12
105	GEOMETRICAL HETEROGENEITY OF THE JOINT ROUGHNESS COEFFICIENT REVEALED BY 3D LASER SCANNING	000517660100016	BAO, H;ZHANG, GB;LAN, HX;YAN, CG;XU, JB;XU, W	ENGINEERING GEOLOGY 265: - FEB 2020	GEOSCIENCES	12

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
106	UNIQUENESS AND STABILITY OF TIME-PERIODIC PYRAMIDAL FRONTS FOR A PERIODIC COMPETITION-DIFFUSION SYSTEM	000475504300014	BAO, XX;LI, WT;WANG, ZC	COMMUNICATIONS ON PURE AND APPLIED ANALYSIS 19 (1): 253-277 JAN 2020	MATHEMATICS	12
107	ASSESSING THE ECO-ENVIRONMENTAL PERFORMANCE: AN PLS-SEM APPROACH WITH PRACTICE-BASED VIEW	000528179900001	KHAN, SAR;YU, Z	INTERNATIONAL JOURNAL OF LOGISTICS-RESEARC H AND APPLICATIONS : - APR 22 2020	ECONOMICS & BUSINESS	12
108	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	11
109	THE ASSOCIATION BETWEEN MUSCULOSKELETAL DISORDERS AND DRIVER BEHAVIORS AMONG PROFESSIONAL DRIVERS IN CHINA	000547136200013	FENG, ZX;ZHAN, JJ;WANG, CL;MA, CX;HUANG, ZP	INTERNATIONAL JOURNAL OF OCCUPATIONAL SAFETY AND ERGONOMICS 26 (3): 551-561 JUL 2 2020	SOCIAL SCIENCES, GENERAL	10
110	LANDSLIDE SUSCEPTIBILITY MODELING BASED ON ANFIS WITH TEACHING-LEARNING-BASED	000597401000007	CHEN, W;CHEN, X;PENG, JB;PANAHI, M;LEE, S	GEOSCIENCE FRONTIERS 12 (1):	GEOSCIENCES	10

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			93-107 JAN 2021		
111	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	9
112	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	COMPUTER-INTEGRATED MANUFACTURING 67: - FEB 2021	ENGINEERING	7
113	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	6
114	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	5
115	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/EC OLOGY	3

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
116	CONTAMINATION, DISTRIBUTION AND HEALTH RISK ASSESSMENT OF RISK ELEMENTS IN TOPSOIL FOR AMUSEMENT PARKS IN XIAN, CHINA	000592636800009	GUO, B;SU, Y;PEI, L;WANG, XF;WEI, XD;ZHANG, B;ZHANG, DM;WANG, XX	POLISH JOURNAL OF ENVIRONMENTAL STUDIES 30 (1): 601-618 2021	ENVIRONMENT/EC OLOGY	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 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	67
2	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	41
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	APPLIED CATALYSIS B-ENVIRONMENTAL 263: - APR 2020	CHEMISTRY	25
4	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)	000548696800019	ADIMALLA, N	ENVIRONMENTAL GEOCHEMISTRY AND HEALTH 42 (6): 1725-1752 SP. ISS. SI JUN 2020	ENVIRONMENT/EC OLOGY	21

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
5	GROUNDWATER QUALITY FOR POTABLE AND IRRIGATION USES AND ASSOCIATED HEALTH RISK IN SOUTHERN PART OF GUAN COUNTY, NORTH CHINA PLAIN	000525497800001	ZHOU, YH;LI, PY;CHEN, MJ;DONG, ZH;LU, CY	ENVIRONMENTAL GEOCHEMISTRY AND HEALTH 43 (2): 813-835 SP. ISS. SI FEB 2021	ENVIRONMENT/EC OLOGY	16
6	TREATMENT AND EFFECT OF LOESS METRO TUNNEL UNDER SURROUNDING PRESSURE AND WATER IMMERSION ENVIRONMENT	000544663000001	WANG, LX;LI, CH;QIU, JL;WANG, K;LIU, T;LI, H	GEOFLUIDS 2020: - JUN 13 2020	GEOSCIENCES	12
7	CONTAMINATION, DISTRIBUTION AND HEALTH RISK ASSESSMENT OF RISK ELEMENTS IN TOPSOIL FOR AMUSEMENT PARKS IN XIAN, CHINA	000592636800009	GUO, B;SU, Y;PEI, L;WANG, XF;WEI, XD;ZHANG, B;ZHANG, DM;WANG, XX	POLISH JOURNAL OF ENVIRONMENTAL STUDIES 30 (1): 601-618 2021	ENVIRONMENT/EC OLOGY	3

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	WOS:00044068210 0009	XU, J;ZHANG, WX;FAN, HB;CHENG, FL;SU, DW;WANG, GX	NANO ENERGY 51: 73-82 SEP 2018	MATERIALS SCIENCE	151
2	MICROWAVE-ASSISTED IN SITU SYNTHESIS OF REDUCED GRAPHENE OXIDE-BIVO4 COMPOSITE PHOTOCATALYSTS AND THEIR ENHANCED PHOTOCATALYTIC PERFORMANCE FOR THE DEGRADATION OF CIPROFLOXACIN	WOS:00031787840 0014	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	151

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	WOS:00033755410 0003	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	149
4	CHEN, T;ZHOU, ZY;HAN, R;MENG, RH;WANG, HT;LU, WJ	WOS:00035654950 0039	CHEN, T;ZHOU, ZY;HAN, R;MENG, RH;WANG, HT;LU, WJ	CHEMOSPHERE 134: ENVIRONMENT/EC 286-293 SEP 2015	ENVIRONMENT/EC OLOGY	144
5	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	WOS:00040058490 0073	SHI, WL;GUO, F;YUAN, SL	APPLIED CATALYSIS B-ENVIRONMENTAL 209: 720-728 JUL 15 2017	CHEMISTRY	135
6	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	WOS:00042446630 0041	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	132
7	URANIUM AND MOLYBDENUM ISOTOPE EVIDENCE FOR AN EPISODE OF WIDESPREAD OCEAN OXYGENATION DURING THE LATE EDIACARAN PERIOD	WOS:00035219210 0010	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,	GEOCHIMICA ET COSMOCHIMICA ACTA 156: 173-193 MAY 1 2015	GEOSCIENCES	127

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
			J;LI, Y;CHU, XL;ANBAR, AD			
8	LANDSLIDE SUSCEPTIBILITY MODELLING USING GIS-BASED MACHINE LEARNING TECHNIQUES FOR CHONGREN COUNTY, JIANGXI PROVINCE, CHINA	WOS:00042819400 0110	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/EC OLOGY	109
9	GIS-BASED LANDSLIDE SUSCEPTIBILITY MODELLING: A COMPARATIVE ASSESSMENT OF KERNEL LOGISTIC REGRESSION, NAIVE-BAYES TREE, AND ALTERNATING DECISION TREE MODELS	WOS:00041889920 0046	CHEN, W;XIE, XS;PENG, JB;WANG, JL;DUAN, Z;HONG, HY	GEOMATICS NATURAL HAZARDS & RISK 8 (2): 950-973 2017	GEOSCIENCES	87
10	GIS-BASED LANDSLIDE SUSCEPTIBILITY EVALUATION USING A NOVEL HYBRID INTEGRATION APPROACH OF BIVARIATE STATISTICAL BASED RANDOM FOREST METHOD	WOS:00043003180 0015	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	86
11	LANDSLIDE SUSCEPTIBILITY MODELING BASED ON GIS AND NOVEL BAGGING-BASED KERNEL LOGISTIC REGRESSION	WOS:00045514500 0208	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	76
12	CO-FE MIXED METAL PHOSPHIDE NANOCUBES WITH HIGHLY INTERCONNECTED-PORE ARCHITECTURE AS AN EFFICIENT POLYSULFIDE MEDIATOR FOR LITHIUM-SULFUR BATTERIES	WOS:00046605290 0099	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	72

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
13	DAY-AHEAD TRAFFIC FLOW FORECASTING BASED ON A DEEP BELIEF NETWORK OPTIMIZED BY THE MULTI-OBJECTIVE PARTICLE SWARM ALGORITHM	WOS:00046312950 0001	LI, LC;QIN, LQ;QU, X;ZHANG, J;WANG, YG;RAN, B	KNOWLEDGE-BASED SYSTEMS 172: 1-14 MAY 15 2019	COMPUTER SCIENCE	51
14	PUBLIC ACCEPTANCE OF FULLY AUTOMATED DRIVING: EFFECTS OF SOCIAL TRUST AND RISK/BENEFIT PERCEPTIONS	WOS:00045817110 0005	LIU, P;YANG, R;XU, ZG	RISK ANALYSIS 39 (2): 326-341 SP. ISS. SI FEB 2019	SOCIAL SCIENCES, GENERAL	44
15	GROUNDWATER SPRING POTENTIAL MAPPING USING POPULATION-BASED EVOLUTIONARY ALGORITHMS AND DATA MINING METHODS	WOS:00047202430 0004	CHEN, W;TSANGARATOS, P;ILIA, I;DUAN, Z;CHEN, XJ	SCIENCE OF THE TOTAL ENVIRONMENT 684: 31-49 SEP 20 2019	ENVIRONMENT/EC OLOGY	41
16	MISSING VALUE IMPUTATION FOR TRAFFIC-RELATED TIME SERIES DATA BASED ON A MULTI-VIEW LEARNING METHOD	WOS:00047894800 0011	LI, LC;ZHANG, J;WANG, YG;RAN, B	IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS 20 (8): 2933-2943 AUG 2019	ENGINEERING	40
17	POTENTIAL HEALTH RISK ASSESSMENT FOR FLUORIDE AND NITRATE CONTAMINATION IN HARD ROCK AQUIFERS OF SHANMUGANADHI RIVER BASIN, SOUTH INDIA	WOS:00047350040 0014	KARUNANIDHI, D;ARAVINTHASAMY, P;SUBRAMANI, T;WU, JH;SRINIVASAMOORTHY, K	HUMAN AND ECOLOGICAL RISK ASSESSMENT 25 (1-2): 250-270 SP. ISS. SI FEB 17 2019	ENVIRONMENT/EC OLOGY	38
18	MEASURING THE IMPACT OF RENEWABLE ENERGY, PUBLIC HEALTH EXPENDITURE, LOGISTICS, AND ENVIRONMENTAL	WOS:00050568100 0001	KHAN, SAR;ZHANG, Y;KUMAR, A;ZAVADSKAS, E;STREIMIKIENE, D	SUSTAINABLE DEVELOPMENT 28 (4): 833-843 JUL 2020	SOCIAL SCIENCES, GENERAL	33

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
	PERFORMANCE ON SUSTAINABLE ECONOMIC GROWTH					
19	RECENT MASSIVE INCIDENTS FOR SUBWAY CONSTRUCTION IN SOFT ALLUVIAL DEPOSITS OF TAIWAN: A REVIEW	WOS:00050961430 0004	CHENG, WC;LI, G;LIU, NN;XU, J;HORPIBULSUK, S	TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY 96: - FEB 2020	ENGINEERING	27
20	THE PSYCHOLOGICAL CAUSES OF PANIC BUYING FOLLOWING A HEALTH CRISIS	WOS:00053930090 0170	YUEN, KF;WANG, XQ;MA, F;LI, KX	INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH 17 (10): - MAY 2020	ENVIRONMENT/EC OLOGY	24
21	TWO-DIMENSIONAL POROUS TRANSITION METAL ORGANIC FRAMEWORK MATERIALS WITH STRONGLY ANCHORING ABILITY AS LITHIUM-SULFUR CATHODE BOOSTING SODIUM STORAGE IN	WOS:00050868170 0075	LI, TT;HE, C;ZHANG, WX	ENERGY STORAGE MATERIALS 25: 866-875 MAR 2020	MATERIALS SCIENCE	22
22	TWO-DIMENSIONAL PHOSPHORENE/TI3C2TX MXENE NANOARCHITECTURES WITH STABLE FLUORINATED INTERPHASE	WOS:00052630140 0098	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	21
23	HOW SAFE IS SAFE ENOUGH FOR SELF-DRIVING VEHICLES?	WOS:00045817110 0004	LIU, P;YANG, R;XU, ZG	RISK ANALYSIS 39 (2): 315-325 SP. ISS. SI FEB 2019	SOCIAL SCIENCES, GENERAL	21

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
24	LANDSLIDE RECONSTRUCTION USING SEISMIC SIGNAL CHARACTERISTICS AND NUMERICAL SIMULATIONS: CASE STUDY OF THE 2017 6.24 XINMO LANDSLIDE	WOS:00053009270 0011	YAN, Y;CUI, YF;GUO, J;HU, S;WANG, Z;YIN, SY	ENGINEERING GEOLOGY 270: - JUN 5 2020	GEOSCIENCES	20
25	SEISMIC SIGNAL RECOGNITION AND INTERPRETATION OF THE 2019 7.23 SHUICHENG LANDSLIDE BY SEISMOGRAM STATIONS	WOS:00051600200 0002	YAN, Y;CUI, YF;TIAN, X;HU, S;GUO, J;WANG, Z;YIN, SY;LIAO, LF	LANDSLIDES 17 (5): 1191-1206 MAY 2020	GEOSCIENCES	15
26	ASSESSING THE ECO-ENVIRONMENTAL PERFORMANCE: AN PLS-SEM APPROACH WITH PRACTICE-BASED VIEW	WOS:00052817990 0001	KHAN, SAR;YU, Z	INTERNATIONAL JOURNAL OF LOGISTICS-RESEARCH AND APPLICATIONS : - APR 22 2020	ECONOMICS & BUSINESS	12
27	THE ASSOCIATION BETWEEN MUSCULOSKELETAL DISORDERS AND DRIVER BEHAVIORS AMONG PROFESSIONAL DRIVERS IN CHINA	WOS:00054713620 0013	FENG, ZX;ZHAN, JJ;WANG, CL;MA, CX;HUANG, ZP	INTERNATIONAL JOURNAL OF OCCUPATIONAL SAFETY AND ERGONOMICS 26 (3): 551-561 JUL 2 2020	SOCIAL SCIENCES, GENERAL	10

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
28	LANDSLIDE SUSCEPTIBILITY MODELING BASED ON ANFIS WITH TEACHING-LEARNING-BASED OPTIMIZATION AND SATIN BOWERBIRD OPTIMIZER	WOS:000597401000007	CHEN, W;CHEN, X;PENG, JB;PANAHI, M;LEE, S	GEOSCIENCE FRONTIERS 12 (1): 93-107 JAN 2021	GEOSCIENCES	10
29	A BIG DATA-DRIVEN FRAMEWORK FOR SUSTAINABLE AND SMART ADDITIVE MANUFACTURING	WOS:000571393500008	MAJEED, A;ZHANG, YF;REN, S;LV, JX;PENG, T;WAQAR, S;YIN, EH	ROBOTICS AND COMPUTER-INTEGRATED MANUFACTURING 67: - FEB 2021	ENGINEERING	7
30	A STATE-OF-THE-ART REVIEW AND META-ANALYSIS ON SUSTAINABLE SUPPLY CHAIN MANAGEMENT: FUTURE RESEARCH DIRECTIONS	WOS:000592391200012	KHAN, SAR;YU, Z;GOLPIRA, H;SHARIF, A;MARDANI, A	JOURNAL OF CLEANER PRODUCTION 278: - JAN 1 2021	ENGINEERING	5

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 PERFORMANCE ON SUSTAINABLE ECONOMIC	WOS:000505681000001	KHAN, SAR;ZHANG, Y;KUMAR, A;ZAVADSKAS, E;STREIMIKIENE, D	SUSTAINABLE DEVELOPMENT 28 (4): 833-843 JUL 2020	SOCIAL SCIENCES, GENERAL	33

GROWTH						
2	CONSTRUCTION OF ELECTRIC VEHICLE DRIVING CYCLE FOR STUDYING ELECTRIC VEHICLE ENERGY CONSUMPTION AND EQUIVALENT EMISSIONS	WOS:0005317938 00014	ZHAO, X;YE, YM;MA, J;SHI, PL;CHEN, H	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	ENVIRONMENT/ECOLOGY	19
				27 (30): 37395-37409 OCT 2020		
3	ASSESSING THE ECO-ENVIRONMENTAL PERFORMANCE: AN PLS-SEM APPROACH WITH PRACTICE-BASED VIEW	WOS:0005281799 00001	KHAN, SAR;YU, Z	INTERNATIONAL JOURNAL OF LOGISTICS-RESEARCH AND APPLICATIONS : -	ECONOMICS & BUSINESS	12
				APR 22 2020		
4	LANDSLIDE SUSCEPTIBILITY MODELING BASED ON ANFIS WITH TEACHING-LEARNING-BASED OPTIMIZATION AND SATIN BOWERBIRD OPTIMIZER	WOS:0005974010 00007	CHEN, W;CHEN, X;PENG, JB;PANAHI, M;LEE, S	GEOSCIENCE FRONTIERS 12 (1): 93-107	GEOSCIENCES	10
				JAN 2021		