

长安大学 ESI 月报

(2021 年 3 月 25 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：2021.3.25

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2021 年 3 月 25 日，最新一期的 ESI 数据更新，其统计数据覆盖的时间范围为 2010 年 1 月 1 日至 2020 年 12 月 31 日（跨度为十一年）。数据显示本次全球上榜机构总数为 7261 所，相对于 2021 年 11 月公布的数据增加了 163 所；中国上榜机构数为 625 所（大陆 521，台湾 88，香港 14，澳门 2），比 2021 年 1 月增加了 12 所；中国上榜高校数为 398 所（大陆 332，台湾 56，香港 8，澳门 2），比 2021 年 1 月数据增加了 9 所（因台湾阳明大学和台湾交通大学合并，总数增加 8 所），包括台湾 1 所、香港 1 所、中外合作办学机构 1 所。新增上榜高校为：江西理工大学、吉林师范大学、大连大学、暨南国际大学、天津城建大学、厦门理工学院、岭南大学、沈阳建筑大学、中欧国际工商学院。岭南大学凭借社会科学总论学科进入榜单。香港高校 ESI 排名取得突破，上榜数量达到了 8 所。

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 7261 所，我校位列 2248 位（上期为 2288 位），ESI 全球排位 30.96%（上期为 32.23%），较上期上涨 1.27%。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 7,881，总被引频次为 58,492 次，篇均被引频次为 7.42 次，其中 ESI 高被引论文有 121 篇（见表 1，其发表的年代分布见图 1），比上期（117 篇）增加 4 篇。这些 ESI 高被引论文分布在：环境/生态科学领域 38 篇，工程学领域 35 篇，地球科学领域有 18 篇，社会科学总论 9 篇，材料科学领域 7 篇，数学领域 6 篇，化学领域 4 篇，计算机科学领域 3 篇，农业科学领域 1 篇。我校作为第一作者单位发表的 ESI 高被引论文有 85 篇，作为第一通讯作者发表的 ESI 高被引论文有 5 篇（见表 2），作为合作单位发表的 ESI 高被引论文数为 31 篇（见表 3）。本期我校 ESI 热点论文有 3 篇，均来自于环境/生态科学领域，且为我校水利与环境学院的教师作为第一作者发表的论文（见表 4）。



图 1 2021 年 3 月长安大学 ESI 高被引论文、热点论文的年代分布

表 1 长安大学 ESI 高被引论文简况（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	233
2	EXPERIMENTAL STUDIES ON THE COMBUSTION CHARACTERISTICS AND PERFORMANCE OF A DIRECT INJECTION ENGINE FUELED WITH BIODIESEL/DIESEL BLENDS	000281339700070	QI, DH;CHEN, H;GENG, LM;BIAN, YZ	ENERGY CONVERSION AND MANAGEMENT 51 (12): 2985-2992 DEC 2010	ENGINEERING	197
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	167
4	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	164
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	148

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
6	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	144
7	HYDROGEOCHEMICAL CHARACTERIZATION OF GROUNDWATER IN AND AROUND A WASTEWATER IRRIGATED FOREST IN THE SOUTHEASTERN EDGE OF THE TENGGER 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	144
8	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	143
9	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	138
10	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	135

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11	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	133
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	129
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	125
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	125
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 6: - JAN 28 2016	ENVIRONMENT/EC OLOGY	122

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
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	110
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	106
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	103
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	100
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	93
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	88

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
22	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
23	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	83
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	83
25	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	83
26	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	82

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27	A HIGH-ORDER TWO-STEP PHASE-FITTED METHOD FOR THE NUMERICAL SOLUTION OF THE SCHRÖDINGER EQUATION	000387090000085	ZHANG, W;SIMOS, TE	MEDITERRANEAN JOURNAL OF MATHEMATICS 13 (6): 5177-5194 DEC 2016	MATHEMATICS	81
28	SINGLE IMAGE SUPER-RESOLUTION VIA LOCALLY REGULARIZED ANCHORED NEIGHBORHOOD REGRESSION AND NONLOCAL MEANS	000391475200002	JIANG, JJ;MA, X;CHEN, C;LU, T;WANG, ZY;MA, JY	IEEE TRANSACTIONS ON MULTIMEDIA 19 (1): 15-26 JAN 2017	COMPUTER SCIENCE	80
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	73
30	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	71
31	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/EC OLOGY	70

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32	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	67
33	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	65
34	DISTRIBUTION AND CHARACTERISTICS OF LANDSLIDE IN LOESS PLATEAU: A CASE STUDY IN SHAANXI PROVINCE	000430028000010	ZHUANG, JQ;PENG, JB;WANG, GH;JAVED, I;WANG, Y;LI, W	ENGINEERING GEOLOGY 236: 89-96 SP. ISS. SI MAR 26 2018	GEOSCIENCES	63
35	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	63
36	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	62

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37	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	61
38	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	61
39	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	61
40	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	61
41	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	61
42	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	60

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
43	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/EC OLOGY	57
44	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	56
45	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
46	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	51
47	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	50
48	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	49

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49	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	49
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	48
51	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	47
52	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	46
53	DRINKING WATER QUALITY AND PUBLIC HEALTH	000469217300001	LI, PY;WU, JH	EXPOSURE AND HEALTH 11 (2): 73-79 SP. ISS. SI JUN 2019	ENVIRONMENT/EC OLOGY	42
54	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	42

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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	41
56	PUBLIC ACCEPTANCE OF FULLY AUTOMATED DRIVING: EFFECTS OF SOCIAL TRUST AND RISK/BENEFIT PERCEPTIONS	000458171100005	LIU, P;YANG, R;XU, ZG	RISK ANALYSIS 39 (2): 326-341 SP. ISS. SI FEB 2019	SOCIAL SCIENCES, GENERAL	40
57	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	40
58	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	40
59	GLOBAL ASYMPTOTIC STABILITY OF CNNs WITH IMPULSES AND MULTI-PROPORTIONAL DELAYS	000370234600010	SONG, XL;ZHAO, P;XING, ZW;PENG, JG	MATHEMATICAL METHODS IN THE APPLIED SCIENCES 39 (4): 722-733 MAR 2016	MATHEMATICS	38
60	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	38

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62	EFFECTS OF GASOLINE AND POLYOXYMETHYLENE DIMETHYL ETHERS BLENDING IN DIESEL ON THE COMBUSTION AND EMISSION OF A COMMON RAIL DIESEL ENGINE	000461534400077	CHEN, H;SU, X;LI, JH;ZHONG, XL	ENERGY 171: 981-999 MAR 15 2019	ENGINEERING	36
63	FINDING HIGH-QUALITY GROUNDWATER RESOURCES TO REDUCE THE HYDATIDOSIS 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	36
64	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	34
65	EFFECTS OF MATERIAL CHARACTERISTICS ON ASPHALT AND FILLER INTERACTION ABILITY	000468989700007	ZHANG, JP;LI, XQ;LIU, GQ;PEI, JZ	INTERNATIONAL JOURNAL OF PAVEMENT ENGINEERING 20 (8): 928-937 AUG 3 2019	ENGINEERING	34

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66	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	34
67	SUSTAINABLE LIVING WITH RISKS: MEETING THE CHALLENGES	000469548000001	LI, PY;WU, JH	HUMAN AND ECOLOGICAL RISK ASSESSMENT 25 (1-2): 1-10 SP. ISS. SI FEB 17 2019	ENVIRONMENT/EC OLOGY	33
68	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
69	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	32
70	SURFACE WATER POLLUTION IN THE MIDDLE CHINESE LOESS PLATEAU WITH SPECIAL FOCUS 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	30
71	A REVIEW ON LAND SUBSIDENCE CAUSED BY GROUNDWATER WITHDRAWAL IN XIAN, CHINA	000468075000045	WANG, YQ;WANG, ZF;CHENG, WC	BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT 78 (4): 2851-2863 JUN 2019	GEOSCIENCES	28

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72	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	28
73	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	25
74	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	22
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	22
76	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
77	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	22

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79	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	21
80	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 : - FEB 25 2020	ENVIRONMENT/EC OLOGY	20
81	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	20
82	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	20

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83	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	19
84	MULTI-CRITERIA USER EQUILIBRIUM MODEL CONSIDERING TRAVEL TIME, TRAVEL TIME RELIABILITY AND DISTANCE	000459368100002	SUN, C;CHENG, L;ZHU, SL;HAN, F;CHU, ZM	TRANSPORTATION RESEARCH PART D-TRANSPORT AND ENVIRONMENT 66: 3-12 SP. ISS. SI JAN 2019	SOCIAL SCIENCES, GENERAL	18
85	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	18
86	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	INTERNATIONAL JOURNAL OF PAVEMENT ENGINEERING 21 (1): 112-121 JAN 2 2020	ENGINEERING	18
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	18

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89	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	17
90	A NEW TRANSIT NETWORK DESIGN STUDY IN CONSIDERATION OF TRANSFER TIME COMPOSITION	000459368100009	FENG, XS;ZHU, XJ;QIAN, XP;JIE, YP;MA, F;NIU, XJ	TRANSPORTATION RESEARCH PART D-TRANSPORT AND ENVIRONMENT 66: 85-94 SP. ISS. SI JAN 2019	SOCIAL SCIENCES, GENERAL	17
91	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	16
92	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	15

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93	SOLUTE GEOCHEMISTRY AND GROUNDWATER QUALITY FOR DRINKING AND IRRIGATION PURPOSES: A CASE STUDY IN XINLE CITY, NORTH CHINA	000617623900018	ZHOU, YH;LI, PY;XUE, LL;DONG, ZH;LI, D	GEOCHEMISTRY 80 (4): - SUPPL. S DEC 2020	GEOSCIENCES	15
94	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	15
95	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	15
96	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	15
97	EXPERIMENTAL STUDY ON THE EFFECT OF WATER GUSHING ON LOESS METRO TUNNEL	000540526400002	QIU, JL;LU, YQ;LAI, JX;ZHANG, YW;YANG, T;WANG, K	ENVIRONMENTAL EARTH SCIENCES 79 (11): - MAY 28 2020	ENVIRONMENT/EC OLOGY	14
98	GRAPHENE/TOURMALINE COMPOSITES AS A FILLER OF HOT MIX ASPHALT MIXTURE: PREPARATION AND PROPERTIES	000521514300047	CHEN, Q;WANG, CH;QIAO, Z;GUO, TT	CONSTRUCTION AND BUILDING MATERIALS 239: - APR 10 2020	MATERIALS SCIENCE	14

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100	HIDDEN MARKOV MODEL-BASED AUTONOMOUS MANUFACTURING TASK ORCHESTRATION IN SMART SHOP FLOORS	000496834800034	DING, K;LEI, JY;FELIX, TSC;HUI, JZ;ZHANG, FQ;WANG, Y	ROBOTICS AND COMPUTER-INTEGRATED MANUFACTURING 61: - FEB 2020	ENGINEERING	14
101	CHARACTERISTICS OF MICROSEISMICITY DURING BREAKTHROUGH IN DEEP TUNNELS: CASE STUDY OF JINPING-II HYDROPOWER STATION IN CHINA	000502794700037	FENG, GL;FENG, XT;CHEN, BR;XIAO, YX;LIU, GF;ZHANG, W;HU, L	INTERNATIONAL JOURNAL OF GEOMECHANICS 20 (2): - FEB 1 2020	ENGINEERING	14
102	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	13
103	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	13

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105	CE(III) NANOCOMPOSITES BY PARTIAL THERMAL DECOMPOSITION OF CE-MOF FOR EFFECTIVE PHOSPHATE ADSORPTION IN A WIDE PH RANGE	000494799900160	HE, JJ;XU, YH;WANG, W;HU, B;WANG, ZJ;YANG, X;WANG, Y;YANG, LW	CHEMICAL ENGINEERING JOURNAL 379: - JAN 1 2020	ENGINEERING	13
106	SAFETY RISKS AND PROTECTION MEASURES FOR CITY WALL DURING CONSTRUCTION AND OPERATION OF XIAN METRO	000515519500017	QIU, JL;QIN, YW;FENG, ZH;WANG, LX;WANG, K	JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES 34 (2): - APR 1 2020	ENGINEERING	13
107	FAILURE BEHAVIOR INVESTIGATION OF LOESS METRO TUNNEL UNDER LOCAL-HIGH-PRESSURE WATER ENVIRONMENT	000554861200005	QIU, JL;LU, YQ;LAI, JX;GUO, CX;WANG, K	ENGINEERING FAILURE ANALYSIS 115: - SEP 2020	ENGINEERING	13
108	INSIGHTS INTO HYDROLOGICAL AND HYDROCHEMICAL PROCESSES IN RESPONSE TO WATER REPLENISHMENT FOR LAKES IN ARID REGIONS	000514758300042	CHEN, J;QIAN, H;GAO, YY;WANG, HK;ZHANG, MS	JOURNAL OF HYDROLOGY 581: - FEB 2020	ENGINEERING	12
109	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	ADVANCES IN CIVIL ENGINEERING 2020: - JUN 19 2020	ENGINEERING	12

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111	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 : - APR 12 2020	ENVIRONMENT/EC OLOGY	11
112	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	11
113	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	10
114	GEOHAZARDS, REFLECTION AND CHALLENGES IN MOUNTAIN TUNNEL CONSTRUCTION OF CHINA: A DATA COLLECTION FROM 2002 TO 2018	000527111000001	WANG, XL;LAI, JX;QIU, JL;XU, W;WANG, LX;LUO, YB	GEOMATICS NATURAL HAZARDS & RISK 11 (1): 766-784 2020	GEOSCIENCES	10
115	KARST GEOLOGY AND MITIGATION MEASURES FOR HAZARDS DURING METRO SYSTEM CONSTRUCTION IN WUHAN, CHINA	000541003300001	WANG, XL;LAI, JX;HE, SY;GARNES, RS;ZHANG, YW	NATURAL HAZARDS 103 (3): 2905-2927 SEP 2020	GEOSCIENCES	10

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
116	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
117	PERFORMANCE OF A DEEP EXCAVATION IN LANZHOU STRONG PERMEABLE SANDY GRAVEL STRATA	000513943700002	ZHENG, YC;XIONG, J;LIU, T;YUE, XB;QIU, JL	ARABIAN JOURNAL OF GEOSCIENCES 13 (4): - FEB 5 2020	GEOSCIENCES	10
118	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	10
119	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	9
120	AN IMPROVED RAINFALL FORECASTING MODEL BASED ON GNSS OBSERVATIONS	000543775800032	ZHAO, QZ;LIU, Y;MA, XW;YAO, WQ;YAO, YB;LI, X	IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING 58 (7): 4891-4900 JUL 2020	GEOSCIENCES	9
121	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	8

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	SOLUTE GEOCHEMISTRY AND GROUNDWATER QUALITY FOR DRINKING AND IRRIGATION PURPOSES: A CASE STUDY IN XINLE CITY, NORTH CHINA	000617623900018	ZHOU, YH;LI, PY (通讯作者, 水利与环境学院);XUE, LL;DONG, ZH;LI, D	GEOCHEMISTRY 80 (4): - SUPPL. S DEC 2020	GEOSCIENCES	15
2	TREATMENT AND EFFECT OF LOESS METRO TUNNEL UNDER SURROUNDING PRESSURE AND WATER IMMERSION ENVIRONMENT	000544663000001	WANG, LX;LI, CH;QIU, JL (通讯作者, 公路学院);WANG, K;LIU, T;LI, H	GEOFLUIDS 2020: - JUN 13 2020	GEOSCIENCES	11
3	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 (通讯作者, 水利与环境学院);CHEN, MJ;DONG, ZH;LU, CY	ENVIRONMENTAL GEOCHEMISTRY AND HEALTH : - APR 12 2020	ENVIRONMENT/EC OLOGY	11
4	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 (通讯作者, 水利与环境学院)	APPLIED CATALYSIS B-ENVIRONMENTAL 263: - APR 2020	CHEMISTRY	22
5	SINGLE IMAGE SUPER-RESOLUTION VIA LOCALLY REGULARIZED ANCHORED NEIGHBORHOOD REGRESSION AND NONLOCAL MEANS	000391475200002	JIANG, JJ;MA, X (通讯作者, 信息工程学院);CHEN, C;LU, T;WANG, ZY;MA, JY	IEEE TRANSACTIONS ON MULTIMEDIA 19 (1): 15-26 JAN 2017	COMPUTER SCIENCE	80

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	MICROWAVE-ASSISTED IN SITU SYNTHESIS OF REDUCED GRAPHENE OXIDE-BIVO ₄ COMPOSITE PHOTOCATALYSTS AND THEIR ENHANCED PHOTOCATALYTIC PERFORMANCE FOR THE DEGRADATION OF CIPROFLOXACIN	000317878400014	YAN, Y; SUN, SF (Sun, Shaofang) ;SONG, Y;YAN, X; GUAN, WS (Guan, Weisheng) ;LIU, XL;SHI, WD	JOURNAL OF HAZARDOUS MATERIALS 250: 106-114 APR 15 2013	ENGINEERING	148
2	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 (Chen, Fei) ;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	144
3	PROMOTING LITHIUM POLYSULFIDE/SULFIDE REDOX KINETICS BY THE CATALYZING OF ZINC SULFIDE FOR HIGH PERFORMANCE LITHIUM-SULFUR BATTERY	000440682100009	XU, J; ZHANG, WX (Zhang, Wenxue) ;FAN, HB;CHENG, FL;SU, DW;WANG, GX	NANO ENERGY 51: 73-82 SEP 2018	MATERIALS SCIENCE	138
4	IN SITU SYNTHESIS OF Z-SCHEME AG ₃ PO ₄ /CUBI ₂ O ₄ PHOTOCATALYSTS AND ENHANCED PHOTOCATALYTIC PERFORMANCE FOR THE DEGRADATION OF TETRACYCLINE UNDER VISIBLE LIGHT IRRADIATION	000400584900073	SHI, WL; GUO, F (Guo, Feng) ;YUAN, SL	APPLIED CATALYSIS B-ENVIRONMENTAL 209: 720-728 JUL 15 2017	CHEMISTRY	129
5	MOF-DERIVED POROUS N-CO ₃ O ₄ @N-C NANODODECAHEDRA WRAPPED WITH REDUCED GRAPHENE OXIDE AS A HIGH CAPACITY CATHODE FOR LITHIUM-SULFUR BATTERIES	000424466300041	XU, J; ZHANG, WX (Zhang, Wenxue) ;CHEN, Y;FAN, HB;SU, DW;WANG, GX	JOURNAL OF MATERIALS CHEMISTRY A 6 (6): 2797-2807 FEB 14 2018	MATERIALS SCIENCE	125

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
6	URANIUM AND MOLYBDENUM ISOTOPE EVIDENCE FOR AN EPISODE OF WIDESPREAD OCEAN OXYGENATION DURING THE LATE EDIACARAN PERIOD	000352192100010	KENDALL, B;KOMIYA, T;LYONS, TW;BATES, SM;GORDON, GW;ROMANIELLO, SJ;JIANG, GQ;CREASER, RA;XIAO, SH;MCFADDEN, K;SAWAKI, Y;TAHATA, M;SHU, DG;HAN, J; LI, Y (Li, Yong) ;CHU, XL;ANBAR, AD	GEOCHIMICA ET COSMOCHIMICA ACTA 156: 173-193 MAY 1 2015	GEOSCIENCES	125
7	LANDSLIDE SUSCEPTIBILITY MODELLING USING GIS-BASED MACHINE LEARNING TECHNIQUES FOR CHONGREN COUNTY, JIANGXI PROVINCE, CHINA	000428194000110	CHEN, W; PENG, JB (Peng, Jianbing) ;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	103
8	GIS-BASED LANDSLIDE SUSCEPTIBILITY EVALUATION USING A NOVEL HYBRID INTEGRATION APPROACH OF BIVARIATE STATISTICAL BASED RANDOM FOREST METHOD	000430031800015	CHEN, W;XIE, XS; PENG, JB (Peng, Jianbing) ;SHAHABI, H;HONG, HY;BUI, DT;DUAN, Z;LI, SJ;ZHU, AX	CATENA 164: 135-149 MAY 2018	AGRICULTURAL SCIENCES	83
9	GIS-BASED LANDSLIDE SUSCEPTIBILITY MODELLING: A COMPARATIVE ASSESSMENT OF KERNEL LOGISTIC REGRESSION, NAIVE-BAYES TREE, AND ALTERNATING DECISION TREE MODELS	000418899200046	CHEN, W;XIE, XS; PENG, JB (Peng, Jianbing) ;WANG, JL;DUAN, Z;HONG, HY	GEOMATICS NATURAL HAZARDS & RISK 8 (2): 950-973 2017	GEOSCIENCES	82

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
10	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, Tingyu) ;ZHANG, LY;CHAI, HC;MA, JQ;CHEN, YT;WANG, XJ;LI, RW;BIN AHMAD, B	APPLIED SCIENCES-BASEL 8 (12): - DEC 2018	ENGINEERING	71
11	CO-FE MIXED METAL PHOSPHIDE NANOCUBES WITH HIGHLY INTERCONNECTED-PORE ARCHITECTURE AS AN EFFICIENT POLYSULFIDE MEDIATOR FOR LITHIUM-SULFUR BATTERIES	000466052900099	CHEN, Y; ZHANG, WX (Zhang, Wenxue) ;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	61
12	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 (Wang, Qizhao)	SCIENCE BULLETIN 64 (13): 926-933 JUL 15 2019	CHEMISTRY	56
13	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 (Wang, Yonggang) ;RAN, B	KNOWLEDGE-BASED SYSTEMS 172: 1-14 MAY 15 2019	COMPUTER SCIENCE	48
14	PUBLIC ACCEPTANCE OF FULLY AUTOMATED DRIVING: EFFECTS OF SOCIAL TRUST AND RISK/BENEFIT PERCEPTIONS	000458171100005	LIU, P;YANG, R; XU, ZG (Xu, Zhigang)	RISK ANALYSIS 39 (2): 326-341 SP. ISS. SI FEB 2019	SOCIAL SCIENCES, GENERAL	40
15	GROUNDWATER SPRING POTENTIAL MAPPING USING POPULATION-BASED EVOLUTIONARY ALGORITHMS AND DATA MINING METHODS	000472024300004	CHEN, W;TSANGARATOS, P;ILIA, I;DUAN, Z; CHEN, XJ (Chen, Xinjian)	SCIENCE OF THE TOTAL ENVIRONMENT 684: 31-49 SEP 20 2019	ENVIRONMENT/EC OLOGY	40

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
16	MISSING VALUE IMPUTATION FOR TRAFFIC-RELATED TIME SERIES DATA BASED ON A MULTI-VIEW LEARNING METHOD	000478948000011	LI, LC;ZHANG, J;WANG, YG (Wang, Yonggang);RAN, B	IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS 20 (8): 2933-2943 AUG 2019	ENGINEERING	36
17	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 (Wu, Jianhua);SRINIVASAMOORTHY, K	HUMAN AND ECOLOGICAL RISK ASSESSMENT 25 (1-2): 250-270 SP. ISS. SI FEB 17 2019	ENVIRONMENT/EC OLOGY	34
18	MEASURING THE IMPACT OF RENEWABLE ENERGY, PUBLIC HEALTH EXPENDITURE, LOGISTICS, AND ENVIRONMENTAL PERFORMANCE ON SUSTAINABLE ECONOMIC GROWTH	000505681000001	KHAN, SAR;ZHANG, Y (Zhang, Yu);KUMAR, A;ZAVADSKAS, E;STREIMIKIENE, D	SUSTAINABLE DEVELOPMENT 28 (4): 833-843 JUL 2020	SOCIAL SCIENCES, GENERAL	20
19	RECENT MASSIVE INCIDENTS FOR SUBWAY CONSTRUCTION IN SOFT ALLUVIAL DEPOSITS OF TAIWAN: A REVIEW	000509614300004	CHENG, WC;LI, G;LIU, NN (Liu, Nina);XU, J;HORPIBULSUK, S	TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY 96: - FEB 2020	ENGINEERING	20
20	MULTI-CRITERIA USER EQUILIBRIUM MODEL CONSIDERING TRAVEL TIME, TRAVEL TIME RELIABILITY AND DISTANCE	000459368100002	SUN, C;CHENG, L;ZHU, SL;HAN, F (Han, Fei);CHU, ZM	TRANSPORTATION RESEARCH PART D-TRANSPORT AND ENVIRONMENT 66: 3-12 SP. ISS. SI JAN 2019	SOCIAL SCIENCES, GENERAL	18

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
21	BOOSTING SODIUM STORAGE IN TWO-DIMENSIONAL PHOSPHORENE/TI3C2TX MXENE NANOARCHITECTURES WITH STABLE FLUORINATED INTERPHASE	000526301400098	GUO, X; ZHANG, WX (Zhang, Wenxue) ;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	18
22	HOW SAFE IS SAFE ENOUGH FOR SELF-DRIVING VEHICLES?	000458171100004	LIU, P;YANG, R; XU, ZG (Xu, Zhigang)	RISK ANALYSIS 39 (2): 315-325 SP. ISS. SI FEB 2019	SOCIAL SCIENCES, GENERAL	18
23	THE PSYCHOLOGICAL CAUSES OF PANIC BUYING FOLLOWING A HEALTH CRISIS	000539300900170	YUEN, KF;WANG, XQ; MA, (Ma, Fei) F ;LI, KX	INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH 17 (10): - MAY 2020	ENVIRONMENT/EC OLOGY	17
24	A NEW TRANSIT NETWORK DESIGN STUDY IN CONSIDERATION OF TRANSFER TIME COMPOSITION	000459368100009	FENG, XS;ZHU, XJ;QIAN, XP;JIE, YP;MA, F (Ma, Fei);NIU, XJ	TRANSPORTATION RESEARCH PART D-TRANSPORT AND SOCIAL SCIENCES, ENVIRONMENT 66: 85-94 SP. ISS. SI JAN 2019	GENERAL	17
25	TWO-DIMENSIONAL POROUS TRANSITION METAL ORGANIC FRAMEWORK MATERIALS WITH STRONGLY ANCHORING ABILITY AS LITHIUM-SULFUR CATHODE	000508681700075	LI, TT;HE, C; ZHANG, WX (Zhang, Wenxue)	ENERGY STORAGE MATERIALS 25: 866-875 MAR 2020	MATERIALS SCIENCE	15

序号	论文名称	WOS 号	作者	来源期刊	ESI 学科	ESI 被引次数
26	CHARACTERISTICS OF MICROSEISMICITY DURING BREAKTHROUGH IN DEEP TUNNELS: CASE STUDY OF JINPING-II HYDROPOWER STATION IN CHINA	000502794700037	FENG, GL;FENG, XT;CHEN, BR;XIAO, YX;LIU, GF (Liu, Guo-Feng) ;ZHANG, W;HU, L	INTERNATIONAL JOURNAL OF GEOMECHANICS 20 (2): - FEB 1 2020	ENGINEERING	14
27	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 (Guo, Jian) ;HU, S;WANG, Z;YIN, SY	ENGINEERING GEOLOGY 270: - JUN 5 2020	GEOSCIENCES	13
28	THE ASSOCIATION BETWEEN MUSCULOSKELETAL DISORDERS AND DRIVER BEHAVIORS AMONG PROFESSIONAL DRIVERS IN CHINA	000547136200013	FENG, ZX;ZHAN, JJ;WANG, CL (Wang, Chuanlian) ;MA, CX;HUANG, ZP	INTERNATIONAL JOURNAL OF OCCUPATIONAL SAFETY AND ERGONOMICS 26 (3): 551-561 JUL 2 2020	SOCIAL SCIENCES, GENERAL	10
29	PERFORMANCE OF A DEEP EXCAVATION IN LANZHOU STRONG PERMEABLE SANDY GRAVEL STRATA	000513943700002	ZHENG, YC;XIONG, J;LIU, T;YUE, XB (Yue, Xiabing) ;QIU, JL (Qiu, Junling)	ARABIAN JOURNAL OF GEOSCIENCES 13 (4): - FEB 5 2020	GEOSCIENCES	10
30	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 (Guo, Jian) ;WANG, Z;YIN, SY;LIAO, LF	LANDSLIDES 17 (5): 1191-1206 MAY 2020	GEOSCIENCES	9
31	AN IMPROVED RAINFALL FORECASTING MODEL BASED ON GNSS OBSERVATIONS	000543775800032	ZHAO, QZ;LIU, Y;MA, XW;YAO, WQ;YAO, YB;LI, X (Li, Xin)	IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING 58 (7): 4891-4900 JUL 2020	GEOSCIENCES	9

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	PUBLIC ACCEPTANCE OF FULLY AUTOMATED DRIVING: EFFECTS OF SOCIAL TRUST AND RISK/BENEFIT PERCEPTIONS	000458171100005	LIU, P;YANG, R;XU, ZG	RISK ANALYSIS 39 (2): 326-341 SP. ISS. SI FEB 2019	SOCIAL SCIENCES, GENERAL	33
2	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	20
3	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	16

本期我校 121 篇 ESI 高被引论文的院系分布情况：水利与环境学院 49 篇（其中第一作者单位论文数 41 篇，作为通讯作者论文数 3 篇，合作发表论文数 5 篇），位居首位；其次是公路学院 26 篇（其中第一作者单位论文数 21 篇，作为通讯作者论文数 1 篇，合作发表论文数 4 篇）；地质工程与测绘学院 11 篇（其中第一作者单位论文数 3 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 8 篇，合作发表论文数 2 篇）；信息工程学院 8 篇（其中第一作者单位论文数 5 篇，作为通讯作者论文数 1 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 4 篇（其中第一作者单位论文数 1 篇，合作发表论文数 3 篇）；理学院 3 篇（其中第一作者单位论文数 3 篇）；工程机械学院 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）；建筑工程学院 1 篇（其中第一作者单位论文数 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 6 篇高被引论文；其次，信息工程学院、地质工程与测绘学院增加 2 篇高被引论文；材料科学与工程学院增加 1 篇高被引论文；而公路学院、理学院、工程机械学院较上期有所减少；其他学院相对稳定。表 5 和表 6 分别显示了我校近 14 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 5 近 14 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			

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
2019.9.11	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

表 6 近 14 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		

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
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	

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 7。

表 7 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	15
Adimalla, Narsimha	水利与环境学院	8
Qiu, Junling	公路学院	6
Wu, Jianhua	水利与环境学院	4
He, Xiaodong	水利与环境学院	4
Chen, Hao	汽车学院	3
Wang, Lixin	公路学院	3
Bao, Xiongxiang	理学院	2
Chen, Jie	水利与环境学院	2
Ding Kai	工程机械学院	2
Wang, Xiuling	公路学院	2
Zhang, Jiupeng	公路学院	2
Chen, Kaiyi	水利与环境学院	1
Chen, Qian	公路学院	1
Dong, Ming	信息工程学院	1
Guo, Feng	水利与环境学院	1
He, Jiaojie	建筑工程学院	1

作者	所属院系	高被引论文数
He, Song	水利与环境学院	1
Hui, Fei	信息工程学院	1
Ji, Xiaoping	公路学院	1
Ma, Xiang	信息工程学院	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
Peng, Jianbing	地质工程与测绘学院	1
Qi, D. H.	汽车学院	1
Ren, Chongfeng	水利与环境学院	1
Wang, Qizhao	水利与环境学院	1
Song Xueli	理学院	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, Wenke	水利与环境学院	1
Wang, Ya-Qiong	公路学院	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
Yu, Xiaoguang	公路学院	1
Zhang, Wei	信息工程学院	1
Zhang, Yuting	水利与环境学院	1
Zhao, Xuan	汽车学院	1
Zhu, Guohua	汽车学院	1
Zhu, Qi	水利与环境学院	1
Zhuang, Jianqi	地质工程与测绘学院	1

我们对 121 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 8）。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 13 篇；影响因子最高的期刊为 *APPLIED CATALYSIS B-ENVIRONMENTAL*，影响因子高达 16.683，发表的高被引论文有 7 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 121 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 91.18%（上期为 90.9%左右），表明我校本期 ESI 高被引论文来源期刊的质量有所提高。

表 8 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	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	13	1181	Q1	4.762	6.48
HUMAN AND ECOLOGICAL RISK ASSESSMENT	2	8	417	Q3	2.3	9.90
ENVIRONMENTAL EARTH SCIENCES	3	4	358	Q2	2.18	18.06
JOURNAL OF HAZARDOUS MATERIALS	4	4	273	Q1	9.038	4.08
ENERGY CONVERSION AND MANAGEMENT	5	1	219	Q1	8.208	5.12
APPLIED ENERGY	6	2	197	Q1	8.848	3.97
APPLIED CATALYSIS B-ENVIRONMENTAL	7	3	180	Q1	16.683	2.93
CHEMICAL ENGINEERING JOURNAL	8	2	163	Q1	10.652	3.13
SCIENCE OF THE TOTAL ENVIRONMENT	9	2	147	Q1	6.551	5.37
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	9	1	147	Q2	3.056	15.39
NANO ENERGY	11	1	146	Q1	16.602	3.83
ARABIAN JOURNAL OF GEOSCIENCES	11	2	146	Q4	1.327	18.57
ENGINEERING GEOLOGY	13	3	140	Q1	4.779	6.27
GEOCHIMICA ET COSMOCHIMICA ACTA	14	1	131	Q1	4.659	4.33
JOURNAL OF MATERIALS CHEMISTRY A	15	1	128	Q1	11.301	5.05
SCIENTIFIC REPORTS	16	1	126	Q1	3.998	6.44
APPLIED AND COMPUTATIONAL MATHEMATICS	17	1	103	Q1	2.354	9.63
ENVIRONMENTAL GEOCHEMISTRY AND HEALTH	18	5	98	Q1	3.472	12.70
ENERGY	19	2	97	Q1	6.082	5.46
GEOMATICS NATURAL HAZARDS & RISK	20	2	96	Q1	3.333	8.36

期刊名称	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
MEDITERRANEAN JOURNAL OF MATHEMATICS	20	1	96	Q1	1.216	19.43
MINE WATER AND THE ENVIRONMENT	22	1	93	Q1	3.184	13.06
ACS NANO	23	2	91	Q1	14.588	5.02
IEEE TRANSACTIONS ON MULTIMEDIA	24	1	90	Q1	6.051	4.21
CATENA	25	1	86	Q1	4.333	8.36
INTERNATIONAL JOURNAL OF WATER RESOURCES DEVELOPMENT	26	1	85	Q1	3.136	9.06
JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES	27	2	81	Q3	1.648	13.91
APPLIED SCIENCES-BASEL	28	1	73	Q2	2.474	13.98
TRANSPORTATION RESEARCH PART C-EMERGING TECHNOLOGIES	29	1	68	Q1	6.077	4.26
TRANSPORTATION RESEARCH PART D-TRANSPORT AND ENVIRONMENT	30	4	67	Q1	4.577	4.36
APPLIED THERMAL ENGINEERING	30	1	67	Q1	4.725	6.01
NONLINEAR DYNAMICS	32	1	63	Q1	4.867	5.94
RISK ANALYSIS	33	2	62	Q1	3.137	7.88
SCIENCE BULLETIN	33	1	62	Q1	9.511	5.8
INTERNATIONAL JOURNAL OF GEOMECHANICS	35	2	61	Q2	2.589	9.87
RENEWABLE & SUSTAINABLE ENERGY REVIEWS	35	1	61	Q1	12.11	1.88
NATURAL HAZARDS	37	2	60	Q2	2.427	6.87
FILOMAT	38	1	59	Q2	0.848	23.71
JOURNAL OF CLEANER PRODUCTION	39	2	58	Q1	7.246	4.66
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH	40	1	57	Q1	4.577	8.3
INTERNATIONAL JOURNAL OF PAVEMENT ENGINEERING	40	2	57	Q2	2.646	8.75
TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY	42	2	54	Q1	4.45	13.06
KNOWLEDGE-BASED SYSTEMS	43	1	52	Q1	5.921	5.41
ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY	44	1	46	Q1	4.872	6.27
COMPUTERS AND GEOTECHNICS	45	1	44	Q1	3.818	7.09
GEOFLUIDS	45	2	44	Q2	1.534	12.72

期刊名称	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
MATHEMATICAL METHODS IN THE APPLIED SCIENCES	47	1	38	Q2	1.626	6.16
IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS	48	1	36	Q1	6.319	5.12
SUSTAINABLE DEVELOPMENT JOURNAL OF ASIAN EARTH SCIENCES	49	1	31	Q1	4.082	15.56
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT	50	1	29	Q2	3.059	8.37
INTERNATIONAL JOURNAL OF IMPACT ENGINEERING	52	1	26	Q1	3.642	18.46
ACCIDENT ANALYSIS AND PREVENTION	53	1	22	Q1	3.655	3.61
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH	54	1	21	Q1	2.849	11.98
ENERGY STORAGE MATERIALS	55	1	18	Q1	16.28	2.8
JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	55	1	18	Q4	1.134	18
ROAD MATERIALS AND PAVEMENT DESIGN	57	1	16	Q2	2.582	9.62
ADVANCES IN CIVIL ENGINEERING ROBOTICS AND	57	1	16	Q3	1.176	12.9
COMPUTER-INTEGRATED MANUFACTURING	59	1	15	Q1	5.057	3.99
JOURNAL OF HYDROLOGY	59	1	15	Q1	4.5	9.32
JOURNAL OF BUILDING ENGINEERING	61	1	14	Q1	3.379	7.13
CONSTRUCTION AND BUILDING MATERIALS	61	1	14	Q1	4.419	6.69
ENGINEERING FAILURE ANALYSIS	61	1	14	Q1	2.897	14
LANDSLIDES	64	1	13	Q1	4.708	8.1
INTERNATIONAL JOURNAL OF OCCUPATIONAL SAFETY AND ERGONOMICS	65	1	12	Q3	1.601	4.85
COMMUNICATIONS ON PURE AND APPLIED ANALYSIS	65	1	12	Q2	1.105	12
NONLINEAR ANALYSIS-REAL WORLD APPLICATIONS	67	1	11	Q1	2.072	8.9

期刊名称	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
IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING	68	1	8	Q1	5.855	4.55



图 2 长安大学 121 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。

本期我校在工程学领域共发表 ESI 论文 2,502 篇（ESI 高被引论文 35 篇），总被引次数为 14,631 次，篇均被引 5.85 次。本期全球有 1,751 所机构（中国机构 320 所）的工程学学科进入 ESI 全球排名前 1% 行列，我校位列 545 位（在中国机构中位列 99 位），全球排位 31.13%，**进入全球 ESI 机构排名前千分之五。**

表 9 为近 14 期我校工程学 Web of Science 发文量、被引频次以及 ESI 排名情况。

表 9 长安大学工程学发文量、被引频次以及 ESI 排名情况（近 14 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

注：中国机构包括了中国大陆机构和港、澳、台地区机构。下同。

本期我校在地球科学领域共发表 ESI 论文 1,321 篇（ESI 高被引论文 18 篇），总被引次数为 11,117 次，篇均被引 8.42 次。本期全球有 818 所机构（中国机构 76 所）的地球科学进入 ESI 全球排名前 1% 行列，我校位列 589 位（中国机构中位列 54 位），全球排位 72%（比上期提升约 2.5%）。表 10 为近 9 期我校地球科学学 Web of Science 发文量、被引频次以及 ESI 排名情况。

表 10 长安大学地球科学发文量、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
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

本期我校在材料科学领域共发表 ESI 论文 1,461 篇（ESI 高被引论文 7 篇），总被引次数为 11,610 次，篇均被引 7.95 次。本期全球有 1033 所机构（中国机构 221 所）的材料科学进入 ESI 全球排名前 1% 行列，我校位列 740 位（中国机构中位列 169 位），全球排位 71.64%（比上期提升 4.95%）。表 11 为近 7 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 11 长安大学材料科学发文量、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

本期我校在环境/生态科学领域共发表 ESI 论文 839 篇（ESI 高被引论文 38 篇），总被引次数为 8,346 次，篇均被引 9.95 次。本期全球有 1,258 所机构（中国机构 132 所）的环境/生态科学进入 ESI 全球排名前 1% 行列，我校位列 848 位（中国机构中位列 84 位），全球排位 67.41%（比上期提升 10.66%）。表 12 为近 6 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 12 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 6 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

表 13 为 2010-2020 年（统计时采用的 Incites 数据库更新时间为 2020.3.26）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 13 长安大学 2010-2020 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	2505	0.99	16423	71.78
Materials Science	2	1461	0.82	12641	80.90
Geosciences	3	1313	1	11695	80.88
Environment/Ecology	4	839	1.501	8944	74.37
Chemistry	5	671	0.94	6406	82.86
Physics	6	303	0.74	2360	80.53
Computer Science	7	238	0.84	1419	68.91
Social Sciences, general	8	138	2.26	987	73.19
Mathematics	9	148	1.65	707	64.19
Agricultural Sciences	10	50	1.26	389	70
Biology & Biochemistry	11	42	0.78	326	73.81
Space Science	12	38	0.53	251	84.21
Plant & Animal Science	13	25	0.91	207	76
Economics & Business	14	22	1.50	152	63.64
Pharmacology & Toxicology	15	8	1	122	87.5
Clinical Medicine	16	26	0.45	106	57.69
Neuroscience & Behavior	17	10	0.35	78	70
Microbiology	18	5	1.23	75	80
Psychiatry/Psychology	19	21	0.49	63	52.38
Molecular Biology & Genetics	20	3	0.28	31	100
Multidisciplinary	20	7	0.33	31	71.43
Immunology	22	3	0.95	30	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地发展趋势；材料科学发文量、被引频次次之；地球科学发展也相对稳定。

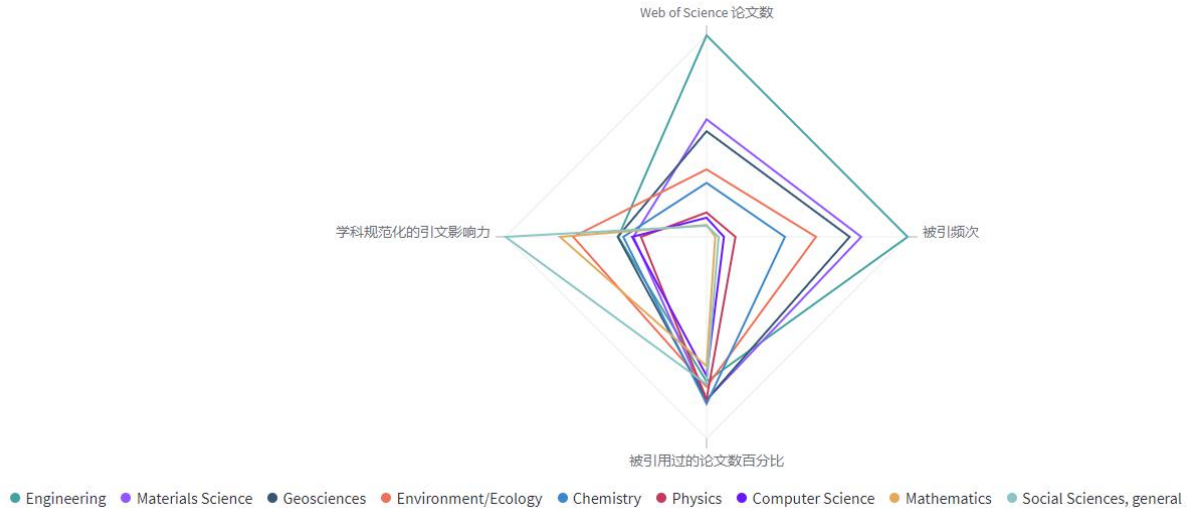
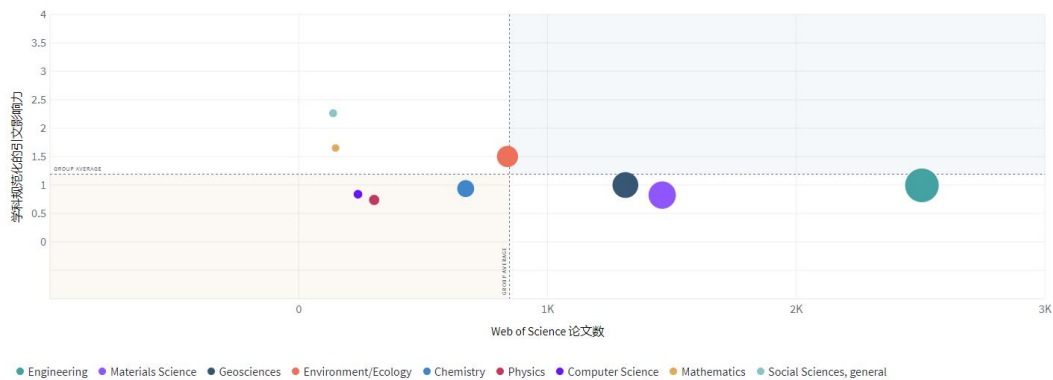


图 3 长安大学发文量前 9 的 ESI 学科发文量、被引频次、CNCI、论文被引百分比的雷达图

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，环境/生态科学、社会科学总论的 CNCI 值大于 1，表明这两个领域的研究水平已经超过了国际水平，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，工程学、地球科学、材料科学、化学的 CNCI 值接近 1，表明我校这几个学科领域的研究已经达到或接近国际水平。



注：图中点的半径表示该领域论文被引的次数

图 4 2010-2020 年长安大学发文量 TOP9 的 ESI 学科 CNCI 值表现情况

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 73% 左右，比上期增加约 4 个百分点，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，已达 57.79%，比上期增加约 8 个百分点，增长幅度较大，也是我校的

潜力发展学科领域。

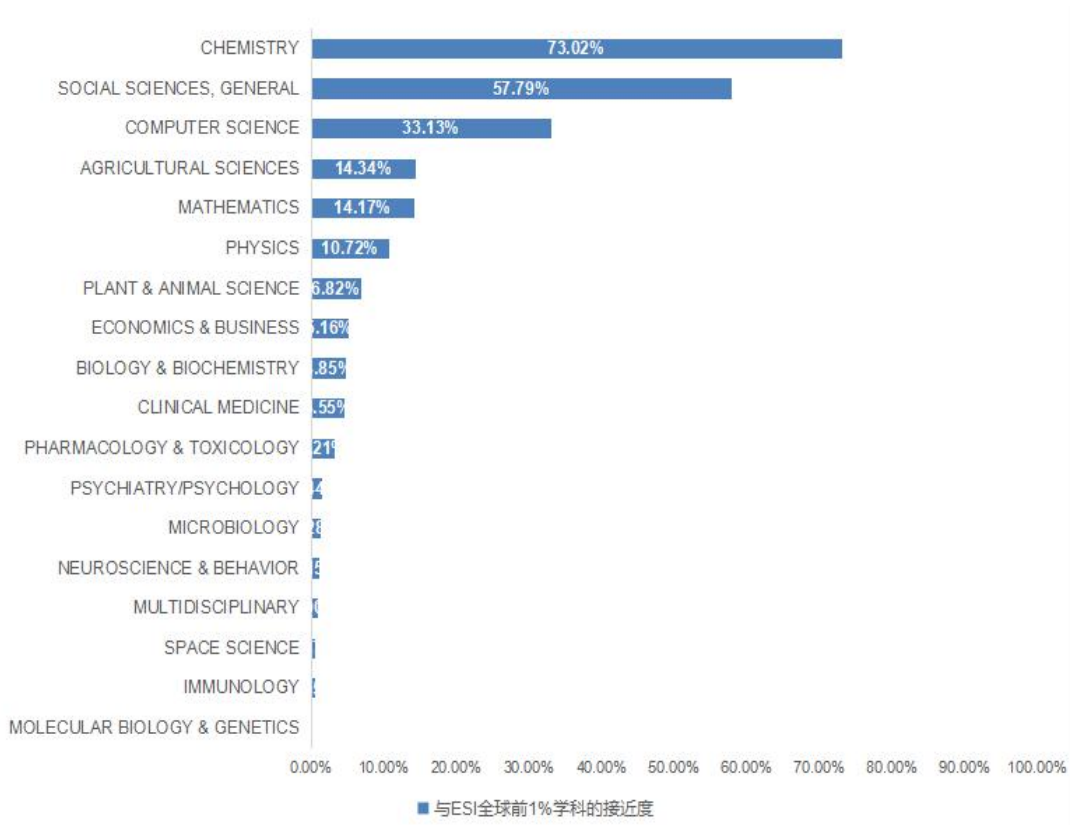


图 5 长安大学具有潜力进入 ESI 全球前 1%的学科预测情况

本期全球有 1448 所机构的化学学科进入 ESI 全球排名前 1%，其中中国机构数为 262 所。在对我校和全球化学学科进入 ESI 前 1%排位的末位机构 UNIVERSIDADE FEDERAL DE SAO PAULO (UNIFESP)的 WOS 发文量、被引频次进行对比后发现，我校化学学科的被引频次与 ESI 化学学科的全球机构阈值还有一定的差距（表 14）。

表 14 长安大学化学学科论文情况（2010-2020）

机构名称	Web of Science 论文数	总被引次数	ESI 材料科学 本期机构被引阈值
长安大学	671	6,406	
UNIVERSIDADE FEDERAL DE SAO PAULO (UNIFESP)	921	8,780	8,780