

长安大学 ESI 月报

(2020 年 5 月 14 日更新数据)

数据统计分析：图书馆参考咨询部 尹莉

联系电话：029-82339986

自 2018 年 5 月起，根据 ESI 数据库的更新时间，长安大学图书馆信息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参考和教职工查阅。

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：2020.5.14

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2020 年 5 月 14 日，最新一期的 ESI 数据发表，其统计数据覆盖的时间范围为 2010 年 1 月 1 日至 2020 年 2 月 29 日（跨度为十年两个月）。数据显示：本次上榜机构总数为 6455 所，相对于 2020 年 3 月公布的数据减少了 126 所；中国上榜机构总数为 566 所（其中大陆 466，台湾 85，香港 13，澳门 2），比 2020 年 3 月公布的数据（大陆 459，台湾 86，香港 13，澳门 2）增加了 6 所。

中国上榜的高校数为 361 所（其中大陆 296，台湾 56，香港 7，澳门 2），比 2020 年 3 月公布的 356 所（大陆 290，台湾 57，香港 7，澳门 2）增加了 5 所。中国内地共 296 所高校有学科进入全球前 1%，相对于上次公布的数据新增 7 所，退出 1 所。新增高校为：湖北工业大学、南阳师范学院、大连工业大学、武汉轻工大学、中央财经大学、西华大学、东北电力大学，退出高校为山西农业大学。

下面将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 6455 所，我校位列 2519 位（上期为 2691 位），共有四个 ESI 学科进入全球排名前 1%，分别为工程学、地球科学、材料科学和环境/生态科学。本次数据统计覆盖范围内，我校发表的 WOS 论文总数为 5,995，总被引频次为 38,250 次，其中 ESI 高被引论文有 96 篇（见表 1，其发表的年代分布见图 1），比上期（91 篇）增加了 5 篇。将这些 ESI 高被引论文按照学科领域进行统计，发现工程学领域有 31 篇，地球科学领域有 12 篇，材料科学领域有 3 篇，环境/生态科学领域有 30 篇。另外，我校作为合作单位发表的 ESI 高被引论文数为 21 篇（见表 2）。本期我校 ESI 热点论文有 7 篇，均来自环境/生态科学领域（见表 3）。

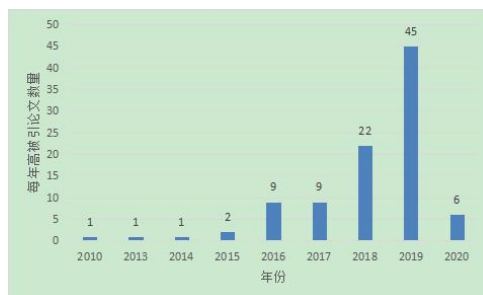


图 1 长安大学 96 篇 ESI 高被引论文发表的年代分布

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 | 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 | 176 |
| 2 | 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 | 174 |
| 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 | 148 |
| 4 | 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 | 129 |
| 5 | 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 | 121 |
| 6 | MICROWAVE SYNTHESIS OF A NOVEL MAGNETIC | 000337554100003 | LU, ZY;CHEN, F;HE, | CHEMICAL | ENGINEERING | 118 |

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| | IMPRINTED TiO ₂ PHOTOCATALYST WITH EXCELLENT TRANSPARENCY FOR SELECTIVE PHOTODEGRADATION OF ENROFLOXACIN HYDROCHLORIDE RESIDUES SOLUTION | | M;SONG, MS;MA, ZF;SHI, WD;YAN, YS;LAN, JZ;LI, F;XIAO, P | ENGINEERING JOURNAL 249: 15-26 AUG 1 2014 | | |
| 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 | 111 |
| 8 | 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 | 104 |
| 9 | 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 | 101 |
| 10 | HYDROCHEMICAL APPRAISAL OF GROUNDWATER | 000369322200015 | LI, PY;WU, JH;QIAN, H | ARABIAN JOURNAL | GEOSCIENCES | 96 |

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|----|---|-----------------|---|---|----------------------|----|
| | QUALITY FOR DRINKING AND IRRIGATION PURPOSES AND THE MAJOR INFLUENCING FACTORS: A CASE STUDY IN AND AROUND HUA COUNTY, CHINA | | | OF GEOSCIENCES 9 (1): - JAN 2016 | | |
| 11 | IN SITU SYNTHESIS OF Z-SCHEME $Ag_3PO_4/CuBi_2O_4$ PHOTOCATALYSTS AND ENHANCED PHOTOCATALYTIC PERFORMANCE FOR THE DEGRADATION OF TETRACYCLINE UNDER VISIBLE LIGHT IRRADIATION | 000400584900073 | SHI, WL;GUO, F;YUAN, SL | APPLIED CATALYSIS B-ENVIRONMENTAL 209: 720-728 JUL 15 2017 | CHEMISTRY | 84 |
| 12 | 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 | 80 |
| 13 | MOF-DERIVED POROUS $N-CO_3O_4@N-C$ NANODODECAHEDRA WRAPPED WITH REDUCED GRAPHENE OXIDE AS A HIGH CAPACITY CATHODE FOR LITHIUM-SULFUR BATTERIES | 000424466300041 | XU, J;ZHANG, WX;CHEN, Y;FAN, HB;SU, DW;WANG, GX | JOURNAL OF MATERIALS CHEMISTRY A 6 (6): 2797-2807 FEB 14 2018 | MATERIALS SCIENCE | 78 |
| 14 | 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 | 77 |
| 15 | OCCURRENCE AND HEALTH IMPLICATION OF FLUORIDE IN GROUNDWATER OF LOESS AQUIFER | 000469217300003 | LI, PY;HE, XD;LI, Y;XIANG, G | EXPOSURE AND HEALTH 11 (2): | ENVIRONMENT/EC OLOGY | 71 |

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| | IN THE CHINESE LOESS PLATEAU: A CASE STUDY OF TONGCHUAN, NORTHWEST CHINA | | | 95-107 SP. ISS. SI JUN 2019 | | |
| 16 | VIBRATION RESPONSE CHARACTERISTICS OF THE CROSS TUNNEL STRUCTURE | 000379610300001 | LAI, JX;WANG, KY;QIU, JL;NIU, FY;WANG, JB;CHEN, JX | SHOCK AND VIBRATION : - 2016 | ENGINEERING | 70 |
| 17 | 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 | 66 |
| 18 | FIBER BRAGG GRATING SENSORS-BASED IN SITU MONITORING AND SAFETY ASSESSMENT OF LOESS TUNNEL | 000385100600001 | LAI, JX;QIU, JL;FAN, HB;ZHANG, Q;HU, ZN;WANG, JB;CHEN, JX | JOURNAL OF SENSORS : - 2016 | ENGINEERING | 66 |
| 19 | FINDING HARMONY BETWEEN THE ENVIRONMENT AND HUMANITY: AN INTRODUCTION TO THE THEMATIC ISSUE OF THE SILK ROAD | 000393021800008 | LI, PY;QIAN, H;ZHOU, WF | ENVIRONMENTAL EARTH SCIENCES 76 (3): - FEB 2017 | ENVIRONMENT/EC OLOGY | 64 |
| 20 | 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 | 62 |
| 21 | CHARACTERISTICS OF SEISMIC DISASTERS AND ASEISMIC MEASURES OF TUNNELS IN WENCHUAN EARTHQUAKE | 000393021400036 | LAI, JX;HE, SY;QIU, JL;CHEN, JX;WANG, LX;WANG, K;WANG, JB | ENVIRONMENTAL EARTH SCIENCES 76 (2): - JAN 2017 | ENVIRONMENT/EC OLOGY | 61 |
| 22 | GEOCHEMISTRY, HYDRAULIC CONNECTIVITY AND QUALITY APPRAISAL OF MULTILAYERED | 000431882400002 | LI, PY;WU, JH;TIAN, R;HE, S;HE, XD;XUE, CY;ZHANG, | MINE WATER AND THE | ENVIRONMENT/EC OLOGY | 61 |

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|----|--|-----------------|--|---|----------------------|----|
| | GROUNDWATER IN THE HONGDUNZI COAL MINE, NORTHWEST CHINA | | K | ENVIRONMENT 37 (2): 222-237 SP. ISS. SI JUN 2018 | | |
| 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 | 61 |
| 24 | 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 | 59 |
| 25 | 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 | 57 |
| 26 | 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 | 55 |
| 27 | INVESTIGATING THE LONG-TERM SETTLEMENT OF A TUNNEL BUILT OVER IMPROVED LOESSIAL | 000441684700001 | QIU, JL;LIU, HQ;LAI, JX;LAI, HP;CHEN, JX;WANG, K | JOURNAL OF PERFORMANCE OF | ENGINEERING | 53 |

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|----|---|-----------------|---|--|-----------------------|----|
| | FOUNDATION SOIL USING JET GROUTING TECHNIQUE | | | CONSTRUCTED FACILITIES 32 (5): - OCT 2018 | | |
| 28 | 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 | 51 |
| 29 | ON VIBRATIONS OF NONLOCAL RODS: BOUNDARY CONDITIONS, EXACT SOLUTIONS AND THEIR ASYMPTOTICS | 000408286000016 | XU, XJ;ZHENG, ML;WANG, XC | INTERNATIONAL JOURNAL OF ENGINEERING SCIENCE 119: 217-231 OCT 2017 | ENGINEERING | 51 |
| 30 | 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 | 50 |
| 31 | THE CATASTROPHIC LANDSIDE IN MAOXIAN COUNTY, SICHUAN, SW CHINA, ON JUNE 24, 2017 | 000415325500026 | QIU, JL;WANG, XL;HE, SY;LIU, HQ;LAI, JX;WANG, LX | NATURAL HAZARDS 89 (3): 1485-1493 DEC 2017 | GEOSCIENCES | 49 |
| 32 | 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 | 48 |
| 33 | 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 | ENGINEERING | 47 |

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| | | | | FEB 2018 | | |
| 34 | 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 | 46 |
| 35 | COO AND G-C3N4 COMPLEMENT EACH OTHER FOR HIGHLY EFFICIENT OVERALL WATER SPLITTING UNDER VISIBLE LIGHT | 000425476800043 | GUO, F;SHI, WL;ZHU, C;LI, H;KANG, ZH | APPLIED CATALYSIS B-ENVIRONMENTAL 226: 412-420 JUN 15 2018 | CHEMISTRY | 45 |
| 36 | EXTREME DEFORMATION CHARACTERISTICS AND COUNTERMEASURES FOR A TUNNEL IN DIFFICULT GROUNDS IN SOUTHERN SHAANXI, CHINA | 000446842900001 | LAI, JX;WANG, XL;QIU, JL;CHEN, JX;HU, ZN;WANG, H | ENVIRONMENTAL EARTH SCIENCES 77 (19): - OCT 2018 | ENVIRONMENT/EC OLOGY | 43 |
| 37 | 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 | 42 |
| 38 | IMPACTS ANALYSIS OF CAR FOLLOWING MODELS CONSIDERING VARIABLE VEHICULAR GAP POLICIES | 000430027500031 | XIN, Q;YANG, N;FU, R;YU, SW;SHI, ZK | PHYSICAL STATISTICAL MECHANICS AND ITS APPLICATIONS 501: 338-355 JUL 1 2018 | PHYSICS | 42 |
| 39 | LANDSLIDE SUSCEPTIBILITY MODELING BASED ON GIS AND NOVEL BAGGING-BASED KERNEL | 000455145000208 | CHEN, W;SHAHABI, H;ZHANG, S;KHOSRAVI, | APPLIED SCIENCES-BASEL 8 | ENGINEERING | 42 |

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| | LOGISTIC REGRESSION | | K;SHIRZADI, A;CHAPI, K;PHAM, BT;ZHANG, TY;ZHANG, LY;CHAI, HC;MA, JQ;CHEN, YT;WANG, XJ;LI, RW;BIN AHMAD, B | (12): - DEC 2018 | | |
| 40 | SIMPLE METHOD TO PREDICT GROUND DISPLACEMENTS CAUSED BY INSTALLING HORIZONTAL JET-GROUTING COLUMNS | 000424800500001 | WANG, ZF;SHEN, JS;CHENG, WC | MATHEMATICAL PROBLEMS IN ENGINEERING : - 2018 | ENGINEERING | 40 |
| 41 | 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 | 40 |
| 42 | 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 | 39 |
| 43 | 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 | 39 |

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|----|--|-----------------|---|---|----------------------|----|
| 44 | INVESTIGATION INTO GEOHAZARDS DURING URBANIZATION PROCESS OF XIAN, CHINA | 000433913500033 | WANG, ZF;CHENG, WC;WANG, YQ | NATURAL HAZARDS 92 (3): 1937-1953 JUL 2018 | GEOSCIENCES | 39 |
| 45 | 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 | 37 |
| 46 | 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 | 36 |
| 47 | 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 | 35 |
| 48 | 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 | 34 |
| 49 | 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 | 32 |
| 50 | SPATIAL GROUNDWATER QUALITY AND POTENTIAL HEALTH RISKS DUE TO NITRATE | 000473500400002 | LI, PY;HE, XD;GUO, WY | HUMAN AND ECOLOGICAL RISK | ENVIRONMENT/EC OLOGY | 29 |

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| | INGESTION THROUGH DRINKING WATER: A CASE STUDY IN YANAN CITY ON THE LOESS PLATEAU OF NORTHWEST CHINA | | | ASSESSMENT 25 (1-2): 11-31 SP. ISS. SI FEB 17 2019 | | |
| 51 | 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 | 27 |
| 52 | 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 | 26 |
| 53 | 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 | 25 |
| 54 | 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 | 21 |
| 55 | 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 | 20 |
| 56 | GROUNDWATER QUALITY FOR DRINKING AND | 000469217300004 | ADIMALLA, N | EXPOSURE AND | ENVIRONMENT/EC | 18 |

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| | IRRIGATION PURPOSES AND POTENTIAL HEALTH RISKS ASSESSMENT: A CASE STUDY FROM SEMI-ARID REGION OF SOUTH INDIA | | | HEALTH 11 (2): 109-123 SP. ISS. SI JUN 2019 | LOGY | |
| 57 | EFFECTS OF THE PREVISION RELATIVE VELOCITY ON TRAFFIC DYNAMICS IN THE ACC STRATEGY | 000452941100019 | WU, X;ZHAO, XM;SONG, HS;XIN, Q;YU, SW | PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS 515: 192-198 FEB 1 2019 | PHYSICS | 18 |
| 58 | 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 | 18 |
| 59 | PARTICLE SIZE DISTRIBUTION EFFECTS ON DEFORMATION PROPERTIES OF GRADED AGGREGATE BASE UNDER CYCLIC LOADING | 000466179000001 | LIN, H;WANG, H;FAN, X;CAO, P;ZHOU, KF | EUROPEAN JOURNAL OF ENVIRONMENTAL AND CIVIL ENGINEERING 23 (3): 269-286 MAR 4 2019 | ENGINEERING | 18 |
| 60 | A NOVEL POROUS C4N4 MONOLAYER AS A POTENTIAL ANCHORING MATERIAL FOR LITHIUM-SULFUR BATTERY DESIGN | 000459331600069 | LI, TT;HE, C;ZHANG, WX | JOURNAL OF MATERIALS CHEMISTRY A 7 (8): 4134-4144 FEB 28 2019 | MATERIALS SCIENCE | 18 |

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| 63 | 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 | 17 |
| 64 | 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 | 17 |
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| | MODEL FOR UNSATURATED LOESS BASED ON WETTING-INDUCED PORE DEFORMATION | | ZP;WENG, XL;XIE, YL | | | |
| 72 | PREDICTIVE VEHICLE-FOLLOWING POWER MANAGEMENT FOR PLUG-IN HYBRID ELECTRIC VEHICLES | 000455694300058 | XIE, SB;HU, XS;LIU, T;QI, SW;LANG, K;LI, HL | ENERGY 166: 701-714 JAN 1 2019 | ENGINEERING | 15 |
| 73 | 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 | 15 |
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| 77 | RELATIONSHIPS OF GROUNDWATER QUALITY | 000473500400019 | HE, S;WU, JH | HUMAN AND | ENVIRONMENT/EC | 14 |

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| 78 | MODELING OF LOESS SOAKING INDUCED IMPACTS ON A METRO TUNNEL USING A WATER SOAKING SYSTEM IN CENTRIFUGE | 000468457700001 | ZHANG, YW;WENG, XL;SONG, ZP;SUN, YF | GEOFLUIDS : - 2019 | GEOSCIENCES | 14 |
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| 80 | 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 | 13 |
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| 82 | MICROWAVE DEICING FOR ASPHALT MIXTURE CONTAINING STEEL WOOL FIBERS | 000449449100092 | GAO, J;GUO, HY;WANG, XF;WANG, P;WEI, YF;WANG, ZJ;HUANG, Y;YANG, B | JOURNAL OF CLEANER PRODUCTION 206: 1110-1122 JAN 1 2019 | ENGINEERING | 13 |
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| 85 | 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 | 12 |
| 86 | REVEGETATION HAS INCREASED ECOSYSTEM WATER-USE EFFICIENCY DURING 2000-2014 IN THE CHINESE LOESS PLATEAU: EVIDENCE FROM SATELLITE DATA | 000470964500050 | ZHENG, H;LIN, H;ZHOU, WJ;BAO, H;ZHU, XJ;JIN, Z;SONG, Y;WANG, YQ;LIU, WZ;TANG, YK | ECOLOGICAL INDICATORS 102: 507-518 JUL 2019 | ENVIRONMENT/EC OLOGY | 11 |
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| 89 | URBAN TRANSPORT CARBON DIOXIDE (CO2) EMISSIONS BY COMMUTERS IN RAPIDLY DEVELOPING CITIES: THE COMPARATIVE STUDY | 000466455900007 | YANG, L;WANG, YQ;HAN, SS;LIU, YY | TRANSPORTATION RESEARCH PART D-TRANSPORT AND | SOCIAL SCIENCES, GENERAL | 8 |

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表 2 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 |
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| 1 | 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 (Sun, Shaofang, 我校);SONG, Y;YAN, X;GUAN, WS (Guan, Weisheng, 我校);LIU, XL;SHI, WD | JOURNAL OF HAZARDOUS MATERIALS 250: 106-114 APR 15 2013 | ENGINEERING | 129 |
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| 5 | 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 (Zhang, Wenxue, 我校) ;CHEN, Y;FAN, HB;SU, DW;WANG, GX | JOURNAL OF MATERIALS CHEMISTRY A 6 (6): 2797-2807 FEB 14 2018 | MATERIALS SCIENCE | 78 |
| 6 | LANDSLIDE SUSCEPTIBILITY MODELLING USING GIS-BASED MACHINE LEARNING TECHNIQUES FOR CHONGREN COUNTY, JIANGXI PROVINCE, CHINA | 000428194000110 | CHEN, W; PENG, JB (Peng, Jianbing, 我校) ;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 | 66 |

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| 16 | A NEW SOIL-WATER CHARACTERISTIC CURVE MODEL FOR UNSATURATED LOESS BASED ON WETTING-INDUCED PORE DEFORMATION | 000466352700001 | ZHANG, YW;SONG, ZP;WENG, XL (Weng, Xiaolin, 我校);XIE, YL(Xie, | GEOFLUIDS : - 2019 | GEOSCIENCES | 15 |

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| 17 | MODELING OF LOESS SOAKING INDUCED IMPACTS ON A METRO TUNNEL USING A WATER SOAKING SYSTEM IN CENTRIFUGE | 000468457700001 | ZHANG, YW;WENG, XL (Weng, Xiaolin, 我校);SONG, ZP;SUN, YF (;Sun, Yufeng, 我校) | GEOFLUIDS : - 2019 | GEOSCIENCES | 14 |
| 18 | PUBLIC ACCEPTANCE OF FULLY AUTOMATED DRIVING: EFFECTS OF SOCIAL TRUST AND RISK/BENEFIT PERCEPTIONS | 000458171100005 | LIU, P;YANG, R;XU, ZG (Xu, Zhigang, 我校) | RISK ANALYSIS 39 (2): 326-341 SP. ISS. SI FEB 2019 | SOCIAL SCIENCES, GENERAL | 13 |
| 19 | MULTI-CRITERIA USER EQUILIBRIUM MODEL CONSIDERING TRAVEL TIME, TRAVEL TIME RELIABILITY AND DISTANCE | 000459368100002 | SUN, C;CHENG, L;ZHU, SL;HAN, F (Han, Fei, 我校);CHU, ZM | TRANSPORTATION RESEARCH PART D-TRANSPORT AND ENVIRONMENT 66: 3-12 SP. ISS. SI JAN 2019 | SOCIAL SCIENCES, GENERAL | 12 |
| 20 | HOW SAFE IS SAFE ENOUGH FOR SELF-DRIVING VEHICLES? | 000458171100004 | LIU, P;YANG, R;XU, ZG (Xu, Zhigang, 我校) | RISK ANALYSIS 39 (2): 315-325 SP. ISS. SI FEB 2019 | SOCIAL SCIENCES, GENERAL | 10 |
| 21 | 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, 我校);NIU, XJ | TRANSPORTATION RESEARCH PART D-TRANSPORT AND ENVIRONMENT 66: 85-94 SP. ISS. SI JAN 2019 | SOCIAL SCIENCES, GENERAL | 7 |

表 3 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 | 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/ECOLOGY | 71 |
| 2 | HUMAN HEALTH RISK ASSESSMENT OF GROUNDWATER NITROGEN POLLUTION IN JINGHUI CANAL IRRIGATION AREA OF THE LOESS REGION, NORTHWEST CHINA | 000429985900018 | ZHANG, YT;WU, JH;XU, B | ENVIRONMENTAL EARTH SCIENCES 77 (7): - APR 2018 | ENVIRONMENT/ECOLOGY | 57 |
| 3 | HYDROGEOCHEMICAL CHARACTERISTICS, GROUNDWATER QUALITY, AND HEALTH RISKS FROM HEXAVALENT CHROMIUM AND NITRATE IN GROUNDWATER OF HUANHE FORMATION IN WUQI COUNTY, NORTHWEST CHINA | 000469217300005 | HE, S;WU, JH | EXPOSURE AND HEALTH 11 (2): 125-137 SP. ISS. SI JUN 2019 | ENVIRONMENT/ECOLOGY | 46 |
| 4 | HYDROCHEMICAL | 000473500400003 | HE, XD;WU, JH;HE, | HUMAN AND | ENVIRONMENT/ECOLOGY | 39 |

| | | | | | | |
|---|--|-----------------|---|--|---------------------|----|
| | CHARACTERISTICS AND QUALITY EVALUATION OF GROUNDWATER IN TERMS OF HEALTH RISKS IN LUOHE AQUIFER IN WUQI COUNTY OF THE CHINESE LOESS PLATEAU, NORTHWEST CHINA | | S | ECOLOGICAL RISK ASSESSMENT 25 (1-2): 32-51 SP. ISS. SI FEB 17 2019 | | |
| 5 | SPATIAL GROUNDWATER QUALITY AND POTENTIAL HEALTH RISKS DUE TO NITRATE INGESTION THROUGH DRINKING WATER: A CASE STUDY IN YANAN CITY ON THE LOESS PLATEAU OF NORTHWEST CHINA | 000473500400002 | LI, PY;HE, XD;GUO, WY | HUMAN AND ECOLOGICAL RISK ASSESSMENT 25 (1-2): 11-31 SP. ISS. SI FEB 17 2019 | ENVIRONMENT/ECOLOGY | 29 |
| 6 | GROUNDWATER SPRING POTENTIAL MAPPING USING POPULATION-BASED EVOLUTIONARY ALGORITHMS AND DATA MINING METHODS | 000472024300004 | CHEN, W;TSANGARATOS, P;ILIA, I;DUAN, Z;CHEN, XJ | SCIENCE OF THE TOTAL ENVIRONMENT 684: 31-49 SEP 20 2019 | ENVIRONMENT/ECOLOGY | 20 |
| 7 | COMPREHENSIVE UNDERSTANDING OF GROUNDWATER QUALITY FOR DOMESTIC AND AGRICULTURAL PURPOSES IN TERMS OF HEALTH RISKS IN A COAL MINE AREA OF | 000476489300015 | WU, JH;ZHOU, H;HE, S;ZHANG, YX | ENVIRONMENTAL EARTH SCIENCES 78 (15): - AUG 2019 | ENVIRONMENT/ECOLOGY | 17 |

| | | | | | | |
|--|--|--|--|--|--|--|
| | THE ORDOS BASIN, NORTH OF THE CHINESE LOESS PLATEAU | | | | | |
|--|--|--|--|--|--|--|

我校发表的 96 篇 ESI 高被引论文的院系分布为：水利与环境学院 35 篇，比上期增加 10 篇，位居首位；公路学院 28 篇，比上期减少 28 篇；信息工程学院 8 篇，与上期持平；汽车学院 8 篇，比上期减少 1 篇；地质工程与测绘学院 6 篇，与上期持平；材料学院 3 篇，比上期增加 1 篇；理学院 3 篇，比上期增加 1 篇；地球科学与资源学院 2 篇，与上期持平；工程机械学院 2 篇；经济与管理学院 1 篇。表 4 和表 5 分别显示了我校近 9 期 ESI 高被引论文和 ESI 热点论文的院系分布变化情况。

表 4 近 9 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 |
|------------|------|---------|------|--------|-----------|-----------|-----------|-----|--------|--------|
| 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 |

表 5 近 9 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 |
|-----------|------|--------|------|-----------|---------|
| 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 |

从本期 ESI 数据可以看出，水利与环境学院 ESI 高被引论文的增幅较大，经济与管理学院近 9 期以来首次出现 ESI 高被引论文，剩余学院与上期相比变化不大。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，我们他们的分布（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 6。

表 6 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 | ESI 高被引 论文数 | 所属院系 |
|---------------------------|----------------|---------|
| LI, PY (Li, Peiyue) | 14 | 水利与环境学院 |
| LAI, JX (Lai, Jinxing) | 5 | 公路学院 |
| ADIMALLA, N | 4 | 水利与环境学院 |
| QIU, JL (Qiu, Junling) | 4 | 公路学院 |
| CHEN, H (Chen, Hao) | 3 | 汽车学院 |
| WANG, ZF (Wang, Zhi-Feng) | 3 | 公路学院 |
| WU, JH (Wu, Jianhua) | 3 | 水利与环境学院 |
| BAO, XX (Bao, Xiongxiang) | 2 | 理学院 |
| GUO, F (Guo, Feng) | 2 | 水利与环境学院 |

| | | |
|--------------------------|---|-----------|
| HE, S (He, Song) | 2 | 水利与环境学院 |
| WANG, YQ (Wang, Yaqiong) | 2 | 公路学院 |
| XIE, SB (Xie, Shaobo) | 2 | 汽车学院 |
| DING, K (Ding, Kai) | 1 | 工程机械学院 |
| DONG, M (Dong, Ming) | 1 | 汽车学院 |
| FAN, X (Fan, Xiang) | 1 | 公路学院 |
| GAO, J (Gao, Jie) | 1 | 材料学院 |
| HE, XD (He, Xiaodong) | 1 | 水利与环境学院 |
| HUI, F (Hui, Fei) | 1 | 信息工程学院 |
| JI, XP (Ji, Xiaoping) | 1 | 公路学院 |
| LENG, YQ (Leng, Yanqiu) | 1 | 地质工程与测绘学院 |
| LI, PL (Li, Penglin) | 1 | 公路学院 |
| LUO, XL (Luo, Xianglong) | 1 | 公路学院 |
| QI, DH (Qi, Donghui) | 1 | 汽车学院 |
| REN, CF (Ren, Chongfeng) | 1 | 水利与环境学院 |
| REN, R (Ren, Rui) | 1 | 公路学院 |
| SONG, XL (Song, Xueli) | 1 | 理学院 |
| TIAN, R (Tian, Rui) | 1 | 水利与环境学院 |

我们对 96 篇 ESI 高被引论文的来源期刊进行分析后,统计了 56 种来源期刊的名称、发文数量和影响因子(表 7)。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 4.532,发表高被引论文 9 篇;影响因子最高的期刊为 *NANO ENERGY*,影响因子高达 15.548,发表的高被引论文为《Promoting lithium polysulfide/sulfide redox kinetics by the catalyzing of zinc

《sulfide for high performance lithium-sulfur battery》, 是我校参与合作发表的论文。通过期刊规范化的引文影响力 (Journal Normalized Citation Impact, JNCI) 数值可以发现, 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。基于此, 我们建议相关研究人员可以向更高影响力的期刊投稿。图 2 展示了我校 96 篇 ESI 高被引论文的 56 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 83% 以上, 表明我校本期 ESI 高被引论文来源期刊的质量相对较高, 这种良好态势应该继续保持下去。

表 7 长安大学 ESI 高被引论文的 56 种来源期刊列表

| 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 | 9 | 652 | Q1 | 4.532 | 5.913 |
| ENVIRONMENTAL EARTH SCIENCES | 2 | 6 | 403 | Q3 | 1.871 | 18.383 |
| ENERGY CONVERSION AND MANAGEMENT | 3 | 1 | 193 | Q1 | 7.181 | 5.05 |
| HUMAN AND ECOLOGICAL RISK ASSESSMENT | 4 | 8 | 181 | Q3 | 2.012 | 8.645 |
| JOURNAL OF HAZARDOUS MATERIALS | 5 | 2 | 174 | Q1 | 7.65 | 3.585 |
| APPLIED CATALYSIS B-ENVIRONMENTAL | 6 | 2 | 139 | Q1 | 14.229 | 2.14 |
| NATURAL HAZARDS | 7 | 3 | 131 | Q2 | 2.319 | 6.59 |
| CHEMICAL ENGINEERING JOURNAL | 8 | 1 | 122 | Q1 | 8.355 | 3.47 |
| GEOCHIMICA ET COSMOCHIMICA ACTA | 9 | 1 | 111 | Q1 | 4.258 | 4.48 |
| JOURNAL OF MATERIALS CHEMISTRY A | 10 | 2 | 106 | Q1 | 10.733 | 5.4 |
| ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH | 11 | 1 | 103 | Q2 | 2.914 | 16.66 |
| ARABIAN JOURNAL OF GEOSCIENCES | 12 | 1 | 97 | Q4 | 1.141 | 27.88 |
| APPLIED AND COMPUTATIONAL MATHEMATICS | 13 | 1 | 94 | Q1 | 3.16 | 10.72 |
| SCIENCE OF THE TOTAL ENVIRONMENT | 14 | 2 | 93 | Q1 | 5.589 | 7.38 |
| MEDITERRANEAN JOURNAL OF MATHEMATICS | 15 | 1 | 89 | Q1 | 1.181 | 22.39 |
| SHOCK AND VIBRATION | 16 | 2 | 83 | Q3 | 1.628 | 27.72 |
| JOURNAL OF SENSORS | 17 | 2 | 81 | Q2 | 2.024 | 25.455 |
| JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES | 18 | 2 | 71 | Q3 | 1.542 | 20.43 |
| ENGINEERING GEOLOGY | 19 | 2 | 70 | Q1 | 3.909 | 5.635 |
| IEEE TRANSACTIONS ON MULTIMEDIA | 20 | 1 | 66 | Q1 | 5.452 | 4.65 |
| NANO ENERGY | 21 | 1 | 64 | Q1 | 15.548 | 2.95 |

| | | | | | | |
|--|----|---|----|----|--------|--------|
| GEOMATICS NATURAL HAZARDS & RISK | 22 | 1 | 63 | Q2 | 2.332 | 8.7 |
| MINE WATER AND THE ENVIRONMENT | 23 | 1 | 62 | Q2 | 2.145 | 14.59 |
| PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS | 24 | 2 | 60 | Q2 | 2.5 | 11.835 |
| GEOFLUIDS | 25 | 3 | 59 | Q2 | 1.437 | 23.323 |
| ENERGY | 26 | 3 | 57 | Q1 | 5.537 | 7.89 |
| INTERNATIONAL JOURNAL OF WATER RESOURCES DEVELOPMENT | 27 | 1 | 55 | Q2 | 2.081 | 8.91 |
| FILOMAT | 28 | 1 | 54 | Q2 | 0.789 | 29.61 |
| NONLINEAR DYNAMICS | 29 | 1 | 51 | Q1 | 4.604 | 8.35 |
| CATENA | 29 | 1 | 51 | Q1 | 3.851 | 9.47 |
| INTERNATIONAL JOURNAL OF ENGINEERING SCIENCE | 29 | 1 | 51 | Q1 | 9.052 | 2.87 |
| RENEWABLE & SUSTAINABLE ENERGY REVIEWS | 32 | 1 | 49 | Q1 | 10.556 | 2.87 |
| APPLIED SCIENCES-BASEL | 33 | 1 | 44 | Q2 | 2.217 | 15.84 |
| APPLIED THERMAL ENGINEERING | 34 | 1 | 42 | Q1 | 4.026 | 6.67 |
| MATHEMATICAL PROBLEMS IN ENGINEERING | 35 | 1 | 41 | Q3 | 1.179 | 50.48 |
| MATHEMATICAL METHODS IN THE APPLIED SCIENCES | 36 | 1 | 34 | Q2 | 1.533 | 7.19 |
| JOURNAL OF CLEANER PRODUCTION | 37 | 2 | 31 | Q1 | 6.395 | 5.2 |
| TRANSPORTATION RESEARCH PART D-TRANSPORT AND ENVIRONMENT | 38 | 3 | 28 | Q1 | 4.051 | 6.757 |
| RISK ANALYSIS | 39 | 2 | 24 | Q1 | 2.564 | 10.93 |
| APPLIED ENERGY | 40 | 1 | 23 | Q1 | 8.426 | 7.29 |
| INTERNATIONAL JOURNAL OF PAVEMENT ENGINEERING | 40 | 2 | 23 | Q1 | 2.298 | 7.02 |
| INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH | 42 | 1 | 20 | Q1 | 3.199 | 9.26 |
| SCIENCE BULLETIN | 42 | 1 | 20 | Q1 | 6.277 | 7.12 |
| BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT | 44 | 1 | 19 | Q2 | 2.138 | 7 |
| EUROPEAN JOURNAL OF ENVIRONMENTAL AND CIVIL ENGINEERING | 45 | 1 | 18 | Q2 | 1.873 | 20.75 |
| COMPUTERS AND GEOTECHNICS | 45 | 1 | 18 | Q1 | 3.345 | 8.35 |
| TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY | 47 | 1 | 16 | Q1 | 3.942 | 6.89 |
| COMPTEs RENDUS MECANIQUE | 47 | 1 | 16 | Q4 | 0.966 | 13.97 |
| ACCIDENT ANALYSIS AND PREVENTION | 49 | 1 | 14 | Q1 | 3.058 | 7.56 |
| ECOLOGICAL INDICATORS | 50 | 1 | 11 | Q1 | 4.49 | 6.42 |
| COMMUNICATIONS ON PURE AND APPLIED ANALYSIS | 51 | 1 | 10 | Q2 | 0.925 | 7.96 |

| | | | | | | |
|--|----|---|---|----|-------|-------|
| ENVIRONMENTAL GEOCHEMISTRY AND HEALTH | 52 | 1 | 8 | Q1 | 3.252 | 15.58 |
| ROBOTICS AND COMPUTER-INTEGRATED MANUFACTURING | 53 | 1 | 5 | Q1 | 4.392 | 10.91 |
| ADVANCES IN CIVIL ENGINEERING | 53 | 1 | 5 | Q3 | 1.104 | 78.57 |
| INTERNATIONAL JOURNAL OF VENTILATION | 55 | 1 | 4 | Q4 | 0.86 | 8 |
| NONLINEAR ANALYSIS-REAL WORLD APPLICATIONS | 55 | 1 | 4 | Q1 | 2.085 | 19.43 |

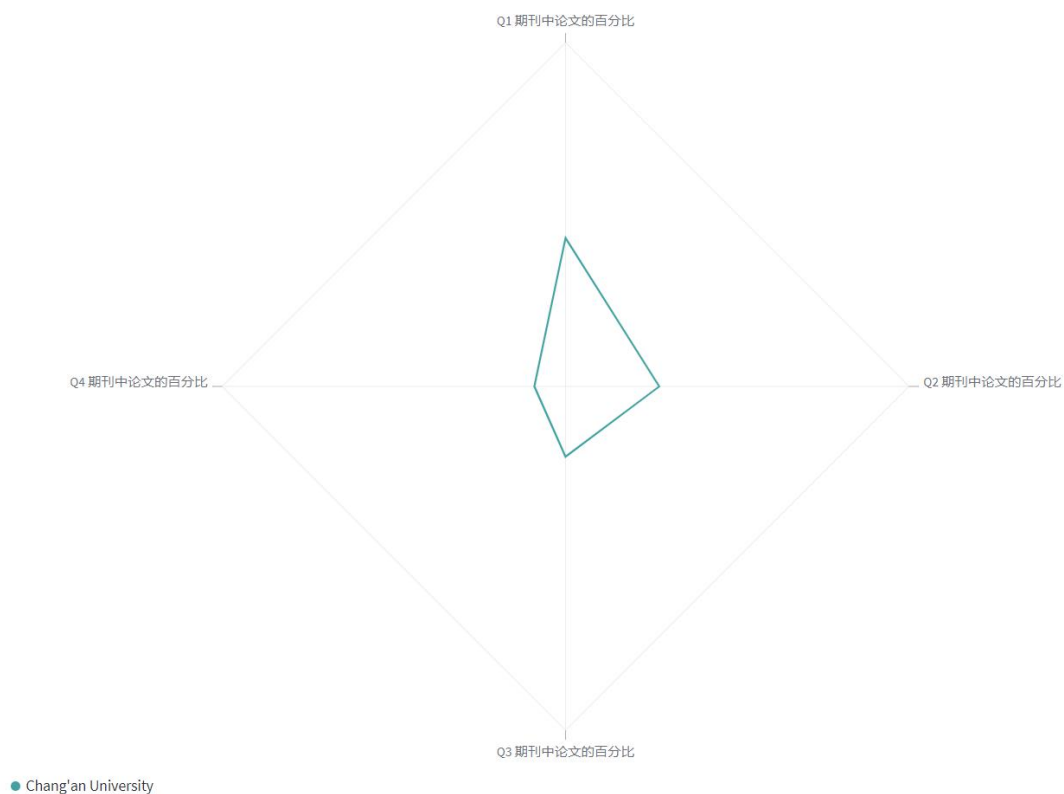


图 2 长安大学 96 篇 ESI 高被引论文来源期刊的分区占比图

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）。其中，我校在工程学领域共发表 ESI 论文 1,772 篇（ESI 高被引论文 31 篇），被引次数为 9,127 次。本期全球有 1,541 所机构（大陆机构 230 所）的工程学学科进入 ESI 全球排名前 1% 行列，我校位列 635 位（在大陆机构中位列 99 位，进入前 50%）。表 8 为近 10 期我校工程学 Web of Science 发文量、被引频次以及 ESI 排名情况。

表 8 长安大学工程学发文量、被引频次以及 ESI 排名情况（近 10 期数据比较）

| 学科（更新时间） | 中国大陆机构排名 | ESI 全球排名 | 论文数 | 被引频次 |
|-----------------|----------|----------|--------|--------|
| 工程学（2018.11.16） | 92 | 904 | 998 | 4, 434 |
| 工程学（2019.1.19） | 92 | 879 | 1, 080 | 4, 880 |
| 工程学（2019.3.14） | 93 | 863 | 1, 140 | 5, 283 |
| 工程学（2019.5.9） | 101 | 790 | 1, 190 | 5, 578 |
| 工程学（2019.7.11） | 101 | 769 | 1, 276 | 6, 153 |
| 工程学（2019.9.11） | 98 | 747 | 1, 386 | 6, 686 |
| 工程学（2019.11.15） | 99 | 723 | 1, 489 | 7, 338 |
| 工程学（2020.1.9） | 99 | 714 | 1, 576 | 8, 011 |
| 工程学（2020.3.12） | 98 | 701 | 1, 680 | 8, 799 |
| 工程学（2020.5.14） | 94 | 635 | 1, 772 | 9, 127 |

本期我校在地球科学领域共发表 ESI 论文 1,035 篇（ESI 高被引论文 12 篇），被引次数为 7,830 次。本期全球有 729 所机构（大陆机构 56 所）的地球科学进入 ESI 全球排名前 1% 行列，我校位列 617 位（大陆机构中位列 50 位）。表 9 为近 4 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 9 长安大学地球科学发文量、被引频次以及 ESI 排名情况（近 4 期数据比较）

| 学科（更新时间） | 中国大陆机构排名 | ESI 全球排名 | 论文数 | 被引频次 |
|------------------|----------|----------|-------|-------|
| 地球科学（2019.11.15） | 81 | 717 | 897 | 6,813 |
| 地球科学（2020.1.9） | 52 | 722 | 950 | 7,295 |
| 地球科学（2020.3.12） | 52 | 665 | 1,003 | 7,802 |
| 地球科学（2020.5.14） | 56 | 617 | 1,035 | 7,830 |

本期我校在材料科学领域共发表 ESI 论文 1,107 篇（ESI 高被引论文 3 篇），被引次数为 7,117 次。。本期全球有 921 所机构（大陆机 172 所）的材料科学进入 ESI 全球排名前 1% 行列，我校位列 876 位（大陆机构中位列 168 位）。表 10 为近 2 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 10 长安大学材料科学发文量、被引频次以及 ESI 排名情况（近 2 期数据比较）

| 学科（更新时间） | 中国大陆机构排名 | ESI 全球排名 | 论文数 | 被引频次 |
|----------|----------|----------|-----|------|
|----------|----------|----------|-----|------|

| | | | | |
|------------------|-----|-----|-------|-------|
| 材料科学 (2020.3.12) | 167 | 921 | 1,081 | 7,103 |
| 材料科学 (2020.5.14) | 168 | 876 | 1,107 | 7,117 |

本期我校在环境/生态科学领域共发表 ESI 论文 971 篇（ESI 高被引论文 30 篇），被引用 5,085 次。本期全球有 1,080 所机构（大陆机构 95 所）的环境/生态科学进入 ESI 全球排名前 1% 行列，我校位列 971 位（大陆机构中位列 82 位）。表 11 为本期我校环境/生态科学 Web of Science 发文量、被引频次以及 ESI 排名情况。

表 11 长安大学环境/生态科学发文量、被引频次以及 ESI 排名情况

| 学科（更新时间） | 中国大陆机构排名 | ESI 全球排名 | 论文数 | 被引频次 |
|------------------------|----------|----------|-----|-------|
| 环境/生态科学 (2020.5.14) | 82 | 971 | 632 | 5,085 |

表 12 展示了 2010-2020 年（数据统计时间截止至 2020.5.19）我校 ESI 各学科的发文情况，可以发现工程学、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。

表 12 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 | 1826 | 1.11 | 10098 | 66.32 |
| Materials Science | 2 | 1130 | 0.72 | 7587 | 73.72 |
| Geosciences | 3 | 1086 | 0.99 | 8179 | 75.32 |
| Environment/Ecology | 4 | 651 | 1.71 | 5435 | 66.36 |
| Chemistry | 5 | 583 | 0.94 | 4574 | 76.84 |
| Physics | 6 | 272 | 0.76 | 1846 | 76.10 |
| Computer Science | 7 | 185 | 0.80 | 907 | 60.54 |
| Mathematics | 8 | 122 | 2.04 | 516 | 59.02 |
| Social Sciences, general | 9 | 105 | 2.08 | 529 | 70.48 |
| Agricultural Sciences | 10 | 45 | 1.03 | 229 | 48.89 |
| Space Science | 11 | 36 | 0.67 | 199 | 72.22 |
| Biology & Biochemistry | 12 | 32 | 1.00 | 228 | 78.13 |
| Plant & Animal Science | 13 | 25 | 1.19 | 165 | 72.00 |
| Clinical Medicine | 14 | 22 | 0.36 | 66 | 50.00 |
| Pharmacology & Toxicology | 15 | 19 | 0.44 | 104 | 31.58 |
| Psychiatry/Psychology | 16 | 14 | 0.34 | 26 | 50.00 |
| Economics & Business | 17 | 11 | 4.22 | 193 | 90.91 |

| | | | | | |
|------------------------------|----|----|------|----|--------|
| Neuroscience & Behavior | 18 | 10 | 0.30 | 63 | 50.00 |
| Multidisciplinary | 19 | 6 | 0.49 | 24 | 66.67 |
| Microbiology | 20 | 5 | 0.99 | 40 | 80.00 |
| Immunology | 21 | 4 | 0.76 | 19 | 75.00 |
| Molecular Biology & Genetics | 22 | 3 | 0.37 | 31 | 100.00 |

我们还对发文量前 5 的 ESI 学科进行了分析，发现工程学的发文量、被引频次均为最高；材料科学发文量位居第二位，略高于地球科学，但是其被引频次却低于地球科学。

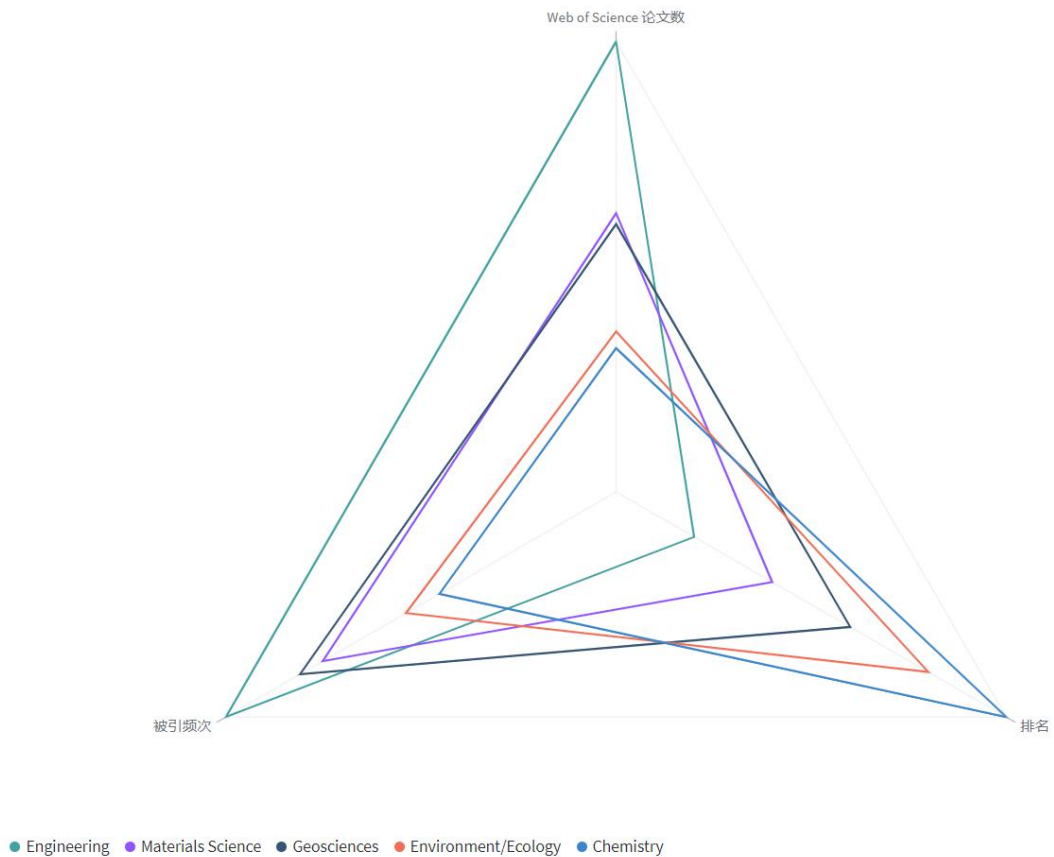


图 3 长安大学发文量前 5 的 ESI 学科发文量、被引频次雷达图

从图 4 可以看到，工程学、地球科学、材料科学、环境/生态科学为我校优势学科，其中工程学和环境/生态科学的 CNCI 值大于 1，地球科学的 CNCI 值接近 1，表明我校在这三个学科领域的研究已经达到或超过了国际水平，其中**特别值得关注的是我校环境/生态科学的 CNCI 值为最高，达到了 1.71，说明该学科的研究水平相对比较高**；同时，我们还注意到我校材料科学的发文量比较高，但其 CNCI 值却低于世界平均水平，这还有待进一步的努力来提升其研究水平；另外，化学学科的发文量、CNCI 值均比较低，要想实现突破仍需一定的努力。

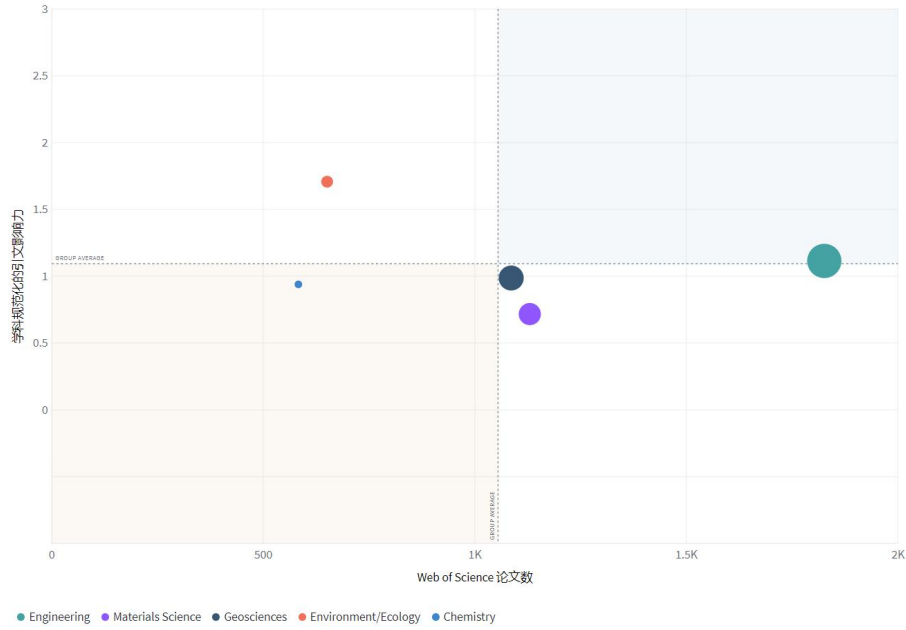


图 4 2010-2020 年长安大学发文量 TOP5 的 ESI 学科的 CNCI 值表现情况

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），发现化学是我校下一个有望突破 ESI 全球前 1%的学科，不过其接近度还存在一定的差距，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。

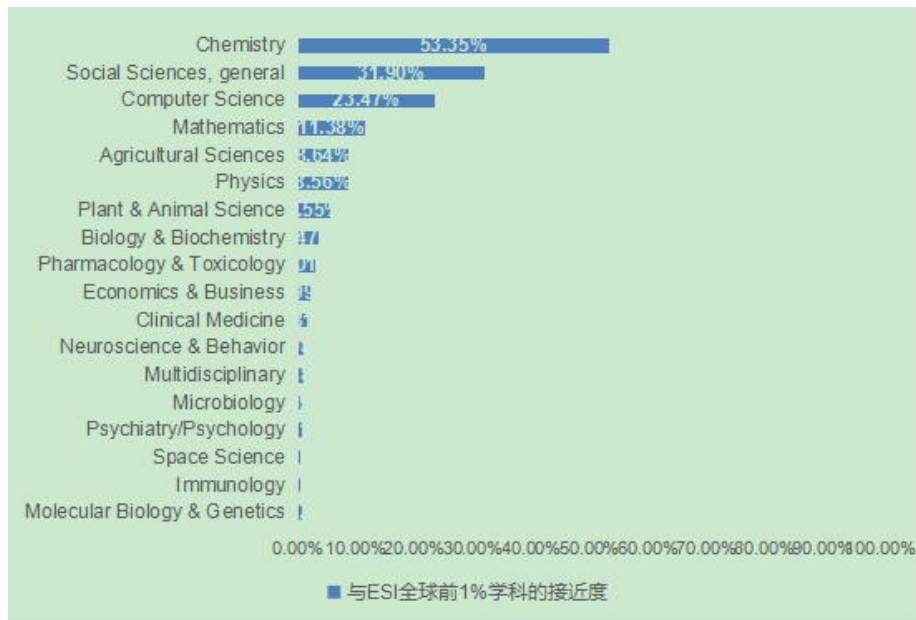


图 5 长安大学具有潜力进入 ESI 全球前 1%的学科预测情况

本期全球有 1299 所机构的化学学科进入 ESI 全球排名前 1%，其中中国大陆的机构数为 214 所。在对我校和 NATIONAL DONG HWA UNIVERSITY（该机构的化学学科位列 ESI 前 1%排位的末位）的 WOS 发文量、被引频次和参考本

期 ESI 化学学科机构被引阈值进行对比后发现, 我校的化学学科发文量与末位机构的发文量很接近, 但被引频次却相差较多 (表 13)。

表 13 长安大学化学学科论文情况 (2010-2020.5.19)

| 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 | 583 | 4,574 | 8,188 |
| NATIONAL DONG HWA UNIVERSITY | 599 | 8,188 | |

三. 陕西省内高校 ESI 全球前 1% 学科对比分析

对陕西省内有学科进入 ESI 全球前 1% 的高校进行了对比分析, 并统计了进入 ESI 全球前 1% 的学科名称、个数、WOS 发文量和被引频次, 发现全省有 13 所高校拥有 ESI 排名前 1% 的学科, 其中学科数最多的高校为西安交通大学, 为 15 个。我校目前有 4 个学科进入 ESI 全球排名前 1%, 仍然需要全校师生的共同努力, 以实现更多优势学科的突破发展。图 6 为 13 所高校 2010-2020 年的发文量情况, 图 7 为 13 所高校 2010-2020 年发文被引频次情况, 图 8 为 13 所高校 2009-2019 年论文发文量、被引频次、论文被引百分比的雷达图, 从这些图中可以看出我校在发文数量、被引频次等方面与排名前列的高校还存在一定的差距, 还需要继续努力。

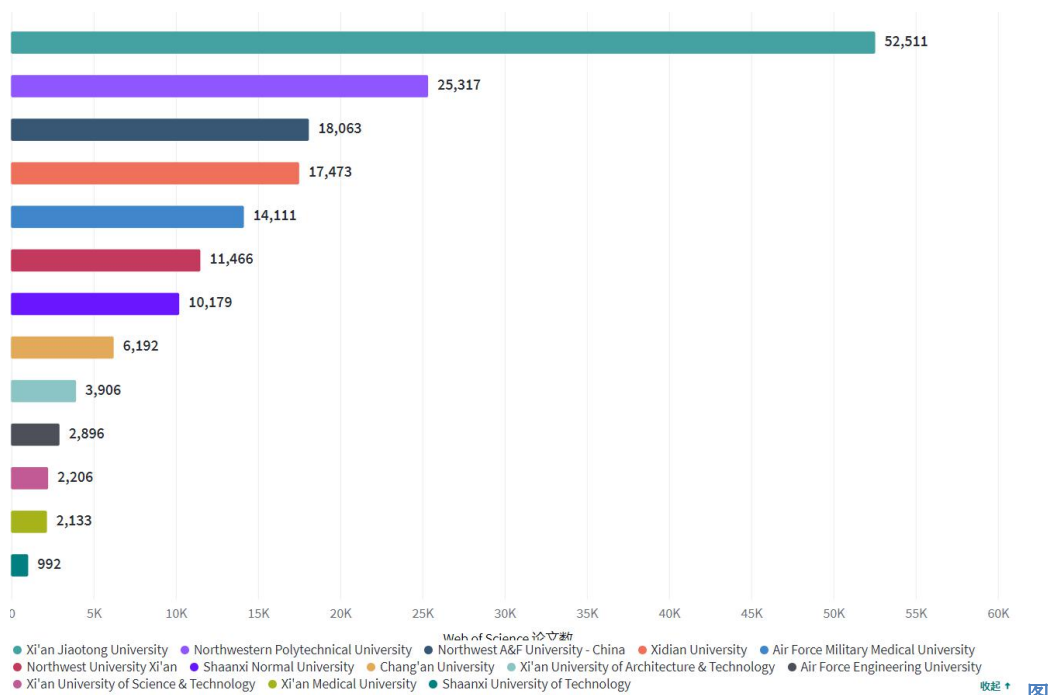


图 6 陕西省 13 所高校的发文量情况 (2010-2020)

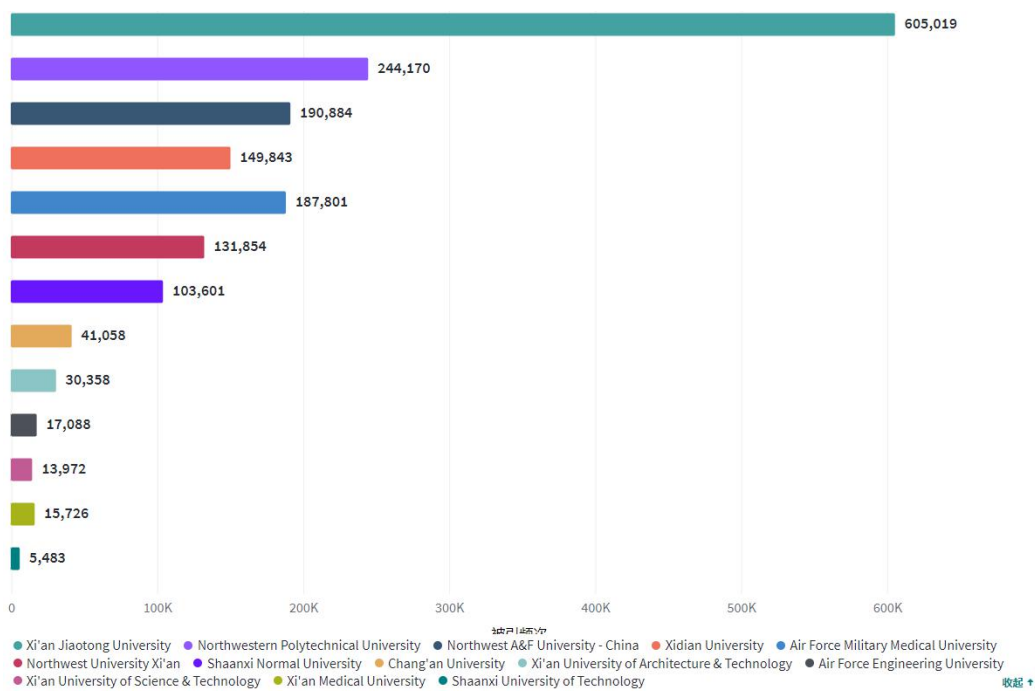


图 7 陕西省 13 所高校的发文被引频次情况（2010-2020）

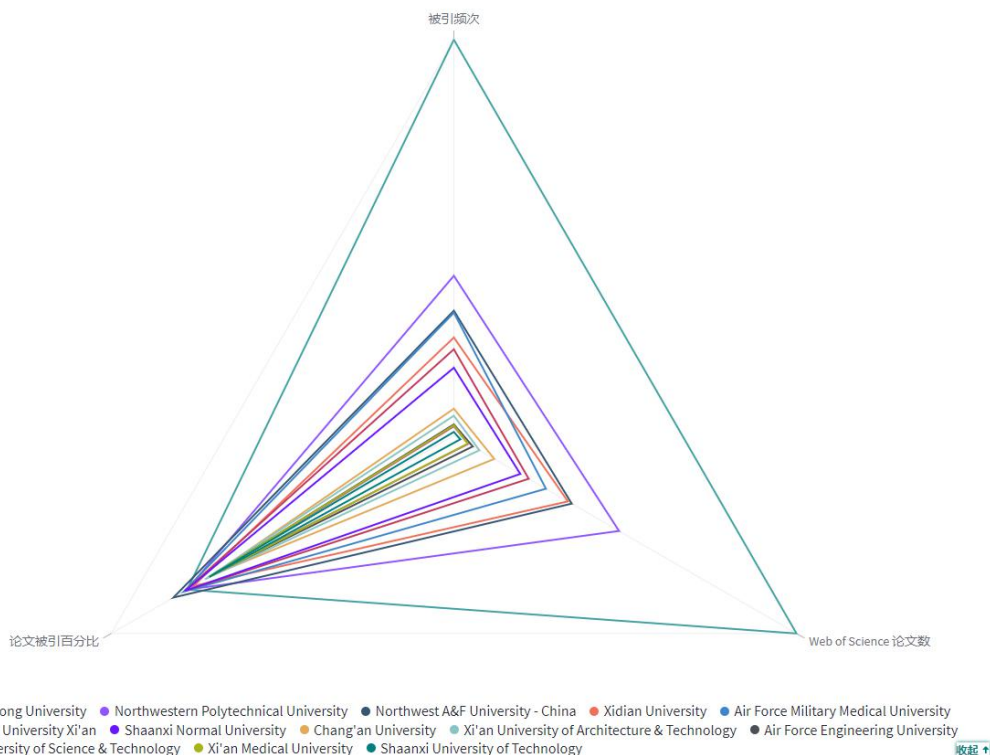


图 8 陕西省 13 所高校的论文发文章量、被引频次、论文被引百分比雷达图（2010-2020）

图 9 为这 13 所高校的 CNCI 情况，可以看出，我校的 CNCI 刚刚达到全球平均水平，要实现更高水平的突破还需要更大的努力。

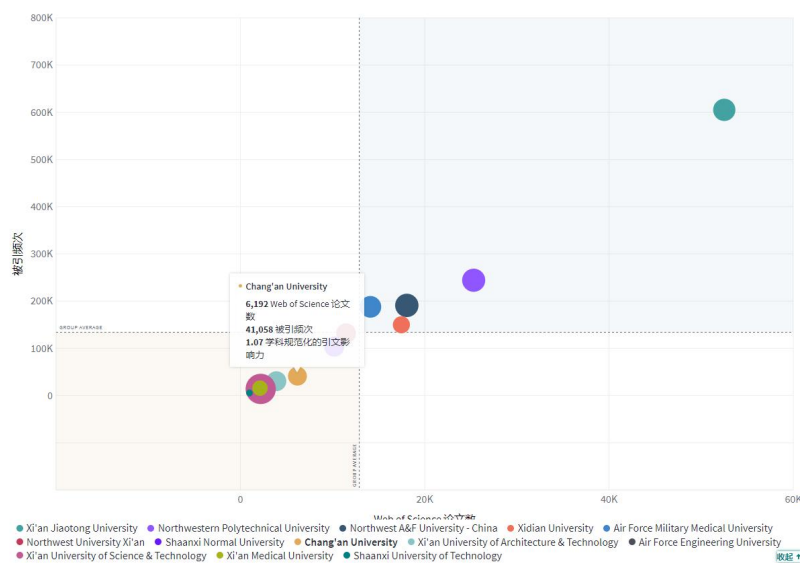


图 9 陕西省 13 所高校学科规范化的引文影响力情况

表 14 陕西省内高校 ESI 全球前 1% 学科概况 (按被引频次排序)

| 序号 | 高校名称 | 论文篇数 | 总被引频次 | 进入前 1% 的学科数 | 学科名称 | 全球 ESI 排位 |
|----|--------|--------|---------|-------------|----------|-----------|
| 1 | 西安交通大学 | 49,586 | 557,375 | 15 | 工程学 | 279 |
| | | | | | 材料科学 | |
| | | | | | 经济与商学 | |
| | | | | | 计算机科学 | |
| | | | | | 物理学 | |
| | | | | | 地球科学 | |
| | | | | | 一般社会科学 | |
| | | | | | 药理学与毒物学 | |
| | | | | | 神经科学与行为 | |
| | | | | | 临床医学 | |
| | | | | | 分子生物与遗传学 | |
| | | | | | 数学 | |
| 化学 | | | | | | |

| | | | | | | |
|---|----------|--------|---------|---|----------|-----|
| | | | | | 生物与生化 | |
| | | | | | 环境/生态科学 | |
| 2 | 西北工业大学 | 24,634 | 223,211 | 5 | 材料科学 | 684 |
| | | | | | 工程学 | |
| | | | | | 计算机科学 | |
| | | | | | 物理学 | |
| | | | | | 化学 | |
| 3 | 空军军医大学 | 12,225 | 180,396 | 6 | 神经科学与行为 | 808 |
| | | | | | 临床医学 | |
| | | | | | 分子生物与遗传学 | |
| | | | | | 药理学与毒物学 | |
| | | | | | 生物与生化 | |
| | | | | | 材料科学 | |
| 4 | 西北农林科技大学 | 17,541 | 181,536 | 8 | 农业科学 | 801 |
| | | | | | 植物与动物科学 | |
| | | | | | 环境/生态学 | |

| | | | | | | |
|---|----------|--------|---------|---|----------|------|
| | | | | | 生物与生化 | |
| | | | | | 分子生物与遗传学 | |
| | | | | | 药理学与毒物学 | |
| | | | | | 工程学 | |
| | | | | | 化学 | |
| 5 | 西北大学 | 11,122 | 126,069 | 6 | 地球科学 | 1090 |
| | | | | | 化学 | |
| | | | | | 药理学与毒物学 | |
| | | | | | 材料科学 | |
| | | | | | 临床医学 | |
| | | | | | 工程学 | |
| 6 | 西安电子科技大学 | 864 | 7,945 | 3 | 计算机科学 | 1093 |
| | | | | | 工程学 | |
| | | | | | 地球科学 | |
| 7 | 陕西师范大学 | 9,823 | 98,611 | 4 | 农业科学 | 1294 |

| | | | | | | |
|----|----------|-------|--------|---|--------|------|
| | | | | | 化学 | |
| | | | | | 材料科学 | |
| | | | | | 工程学 | |
| 8 | 长安大学 | 5,995 | 38,250 | 4 | 工程学 | 2519 |
| | | | | | 地球科学 | |
| | | | | | 材料科学 | |
| | | | | | 环境/生态学 | |
| 9 | 西安理工大学 | 5,247 | 31,695 | 2 | 工程学 | 2830 |
| | | | | | 材料科学 | |
| 10 | 陕西科技大学 | 3,842 | 31,583 | 2 | 材料科学 | 2833 |
| | | | | | 化学 | |
| 11 | 西安建筑科技大学 | 3,782 | 28,246 | 2 | 环境/生态学 | 3036 |
| | | | | | 工程学 | |
| 12 | 空军工程大学 | 2,859 | 15,323 | 1 | 工程学 | 4119 |
| 13 | 西安医学院 | 1,965 | 15,288 | 1 | 临床医学 | 4128 |

