

长安大学 ESI 月报

(2020 年 1 月 9 日更新数据)

数据统计：图书馆信息部

联系电话：82334377

长安大学图书馆

自 2018 年 5 月起，根据 ESI 数据库的更新时间，长安大学图书馆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，以便教职工查阅。

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。ESI 可以确定在某个研究领域有影响力的国家、机构、论文和出版物，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、实验室、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。通过 ESI，用户可以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 提供对 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）是指在近十多年的论文中按照同一年、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% 则说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）：是指近 2 年内发表的论文且在近 2 个月内被引次数排在相应学科领域全球前 1% 以内。

本次数据统计分析时间：2020.1.9

联系电话：029-82334377

2020 年 1 月 9 日，最新一期 ESI 数据更新发表，统计数据覆盖时间范围为 10 年 10 个月（2009.1.1-2019.10.31），长安大学在本次统计数据覆盖时间范围内的表现分析如下。

一. 长安大学 ESI 高被引论文情况

在本次 ESI 统计数据覆盖时间范围内，全球位列 ESI 高水平研究机构总数 6415 所，比上期（2019 年 11 月）增加 201 所（上期 6214 所），我校 ESI 排名 2753 位（上期 2792 位）。本期我校有两个 ESI 学科进入全球排名前 1%：工程学和地球科学。2009 年 1 月 1 日至 2019 年 10 月 31 日，长安大学的 WOS 论文总数为 5,453，总被引频次为 33,864 次。本期我校 ESI 高被引论文有 98 篇（见表 1），比上期（2019 年 11 月更新数据为 96 篇）增加 2 篇，其中工程学领域高被引论文 36 篇，地球科学领域高被引论文 14 篇。长安大学作为合作单位发表的高被引论文有 23 篇（见表 2）；本期我校热点论文 1 篇，来自于工程学领域各 1 篇（见表 3）。我校 98 篇高被引论文的年代分布见图 1。

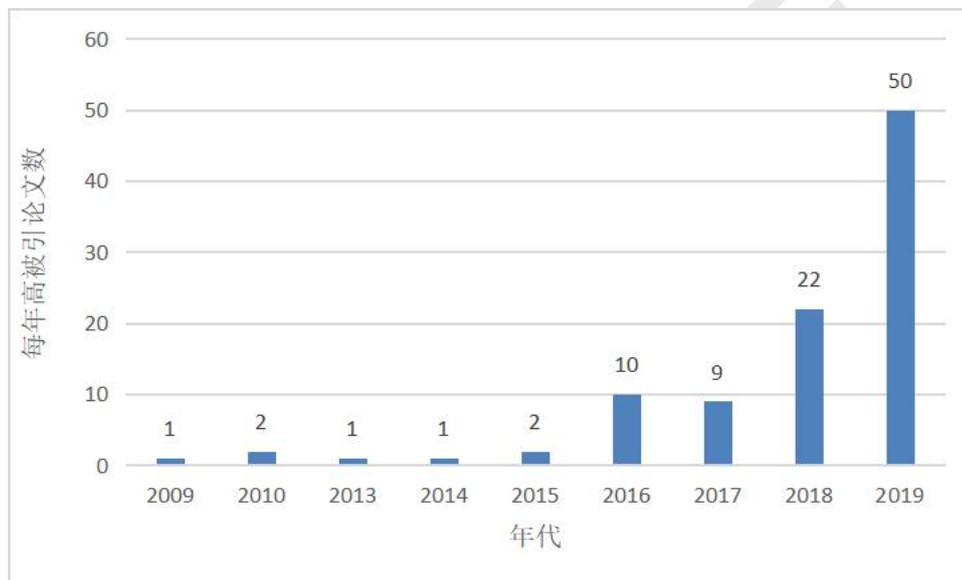


图 1 我校 98 篇高被引论文的年代分布

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	COMBUSTION AND PERFORMANCE EVALUATION OF A DIESEL ENGINE FUELED WITH BIODIESEL PRODUCED FROM SOYBEAN CRUDE OIL	000269711300022	QI, DH;GENG, LM;CHEN, H;BIAN, YZ;LIU, J;REN, XC	RENEWABLE ENERGY 34 (12): 2706-2713 DEC 2009	ENGINEERING	184
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	170
3	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	142
4	PERFORMANCE AND COMBUSTION CHARACTERISTICS OF BIODIESEL-DIESEL-METHANOL BLEND FUELLED ENGINE	000274943400022	QI, DH;CHEN, H;GENG, LM;BIAN, YZ;REN, XC	APPLIED ENERGY 87 (5): 1679-1686 MAY 2010	ENGINEERING	133
5	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	132
6	MICROWAVE-ASSISTED IN SITU SYNTHESIS OF REDUCED GRAPHENE OXIDE-BIVO4 COMPOSITE	000317878400014	YAN, Y;SUN, SF;SONG, Y;YAN, X;GUAN, WS;LIU,	JOURNAL OF HAZARDOUS	ENGINEERING	117

	PHOTOCATALYSTS AND THEIR ENHANCED PHOTOCATALYTIC PERFORMANCE FOR THE DEGRADATION OF CIPROFLOXACIN		XL;SHI, WD	MATERIALS 250: 106-114 APR 15 2013		
7	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	105
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	96
9	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	94
10	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	94

11	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	83
12	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	82
13	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	74
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	73
15	IN SITU SYNTHESIS OF Z-SCHEME AG ₃ PO ₄ /CUBI ₂ O ₄ PHOTOCATALYSTS AND ENHANCED PHOTOCATALYTIC PERFORMANCE FOR THE DEGRADATION OF TETRACYCLINE UNDER VISIBLE LIGHT IRRADIATION	000400584900073	SHI, WL;GUO, F;YUAN, SL	APPLIED CATALYSIS B-ENVIRONMENTAL 209: 720-728 JUL 15 2017	CHEMISTRY	66

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	62
17	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	57
18	INVESTIGATION PROGRESSES AND APPLICATIONS OF FRACTIONAL DERIVATIVE MODEL IN GEOTECHNICAL ENGINEERING	000376141900001	LAI, JX;MAO, S;QIU, JL;FAN, HB;ZHANG, Q;HU, ZN;CHEN, JX	MATHEMATICAL PROBLEMS IN ENGINEERING : - 2016	ENGINEERING	56
19	MOF-DERIVED POROUS N-CO ₃ O ₄ @N-C NANODODECAHEDRA WRAPPED WITH REDUCED GRAPHENE OXIDE AS A HIGH CAPACITY CATHODE FOR LITHIUM-SULFUR BATTERIES	000424466300041	XU, J;ZHANG, WX;CHEN, Y;FAN, HB;SU, DW;WANG, GX	JOURNAL OF MATERIALS CHEMISTRY A 6 (6): 2797-2807 FEB 14 2018	MATERIALS SCIENCE	54
20	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	54
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	53
22	FINDING HARMONY BETWEEN THE ENVIRONMENT AND HUMANITY: AN INTRODUCTION TO THE THEMATIC ISSUE OF THE	000393021800008	LI, PY;QIAN, H;ZHOU, WF	ENVIRONMENTAL EARTH SCIENCES 76 (3): - FEB 2017	ENVIRONMENT/EC OLOGY	51

	SILK ROAD					
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	51
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	50
25	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	48
26	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	47
27	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	46
28	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	44
29	ON VIBRATIONS OF NONLOCAL RODS: BOUNDARY	000408286000016	XU, XJ;ZHENG, ML;WANG,	INTERNATIONAL	ENGINEERING	44

	CONDITIONS, EXACT SOLUTIONS AND THEIR ASYMPTOTICS		XC	JOURNAL OF ENGINEERING SCIENCE 119: 217-231 OCT 2017		
30	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	43
31	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	43
32	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	39
33	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	39

34	IMPACTS ANALYSIS OF CAR FOLLOWING MODELS CONSIDERING VARIABLE VEHICULAR GAP POLICIES	000430027500031	XIN, Q;YANG, N;FU, R;YU, SW;SHI, ZK	PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS 501: 338-355 JUL 1 2018	PHYSICS	39
35	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	37
36	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	36
37	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	35
38	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	35
39	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-ENVIRONMENTA L 226: 412-420 JUN	CHEMISTRY	33

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40	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	32
41	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	31
42	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	31
43	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	30
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	30
45	A STUDY ON THE MECHANICAL BEHAVIOR AND	000443205500012	WANG, JB;SONG, ZP;ZHAO,	ARABIAN JOURNAL	ENGINEERING	28

	STATISTICAL DAMAGE CONSTITUTIVE MODEL OF SANDSTONE		BY;LIU, XR;LIU, J;LAI, JX	FOR SCIENCE AND ENGINEERING 43 (10): 5179-5192 OCT 2018		
46	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	28
47	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	28
48	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	25
49	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	25
50	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	GEOSCIENCES	24

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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	21
52	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	20
53	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	19
54	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	18
55	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	ENGINEERING	16

				2019		
56	SETTLEMENT CHARACTERISTICS OF JACKED BOX TUNNELING UNDERNEATH A HIGHWAY EMBANKMENT	000482851400010	WANG, ZC;HU, Z;LAI, JX;WANG, H;WANG, K;ZAN, WB	JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES 33 (2): - APR 2019	ENGINEERING	16
57	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	14
58	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	13
59	DYNAMIC FAILURE MODE AND DYNAMIC RESPONSE OF HIGH SLOPE USING SHAKING TABLE TEST	000464817300001	ZHOU, ZJ;REN, CN;XU, GJ;ZHAN, HC;LIU, T	SHOCK AND VIBRATION : - 2019	ENGINEERING	13
60	STATISTICAL ANALYSIS OF FIRE ACCIDENTS IN CHINESE HIGHWAY TUNNELS 2000-2016	000454963800039	REN, R;ZHOU, H;HU, Z;HE, SY;WANG, XL	TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY 83: 452-460 JAN 2019	ENGINEERING	13

61	REVIEW OF THE FLAME RETARDANCY ON HIGHWAY TUNNEL ASPHALT PAVEMENT	000457659600044	QIU, JL;YANG, T;WANG, XL;WANG, LX;ZHANG, GL	CONSTRUCTION AND BUILDING MATERIALS 195: 468-482 JAN 20 2019	MATERIALS SCIENCE	13
62	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	12
63	INFLUENCE OF GROUND TEMPERATURE ON SHOTCRETE-TO-ROCK ADHESION IN TUNNELS	000471870400001	DUAN, LM;ZHANG, YH;LAI, JX	ADVANCES IN MATERIALS SCIENCE AND ENGINEERING : - 2019	MATERIALS SCIENCE	12
64	A NEW SOIL-WATER CHARACTERISTIC CURVE MODEL FOR UNSATURATED LOESS BASED ON WETTING-INDUCED PORE DEFORMATION	000466352700001	ZHANG, YW;SONG, ZP;WENG, XL;XIE, YL	GEOFLUIDS : - 2019	GEOSCIENCES	12
65	TRAFFIC FLOW PREDICTION DURING THE HOLIDAYS BASED ON DFT AND SVR	000469291700001	LUO, XL;LI, DY;ZHANG, SR	JOURNAL OF SENSORS : - 2019	ENGINEERING	12
66	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	11
67	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	PHYSICS	11

				ITS APPLICATIONS 515: 192-198 FEB 1 2019		
68	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	11
69	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	11
70	FREE VIBRATION OF NONLOCAL TIMOSHENKO BEAMS MADE OF FUNCTIONALLY GRADED MATERIALS BY SYMPLECTIC METHOD	000457206000020	ZHANG, K;GE, MH;ZHAO, C;DENG, ZC;XU, XJ	COMPOSITES PART B-ENGINEERING 156: 174-184 JAN 1 2019	MATERIALS SCIENCE	10
71	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	10
72	OCCURRENCE, HEALTH RISKS, AND GEOCHEMICAL MECHANISMS OF FLUORIDE AND NITRATE IN GROUNDWATER OF THE ROCK-DOMINANT SEMI-ARID REGION,	000473500400005	ADIMALLA, N;LI, PY	HUMAN AND ECOLOGICAL RISK ASSESSMENT 25 (1-2): 81-103 SP. ISS.	ENVIRONMENT/EC OLOGY	10

	TELANGANA STATE, INDIA			SI FEB 17 2019		
73	VIBRATION CHARACTERISTIC OF HIGH-VOLTAGE TOWER INFLUENCED BY ADJACENT TUNNEL BLASTING CONSTRUCTION	000470186600001	DUAN, LM;LIN, WS;LAI, JX;ZHANG, P;LUO, YB	SHOCK AND VIBRATION : - 2019	ENGINEERING	10
74	SEISMIC RESPONSE OF AEOLIAN SAND HIGH EMBANKMENT SLOPES IN SHAKING TABLE TESTS	000467316400162	ZHOU, ZJ;LEI, JT;SHI, SB;LIU, T	APPLIED SCIENCES-BASEL 9 (8): - APR 2 2019	ENGINEERING	10
75	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	10
76	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	9
77	THE EFFECT OF DIRECT-TO-PLANT STYRENE-BUTADIENE-STYRENE BLOCK COPOLYMER COMPONENTS ON BITUMEN MODIFICATION	000457202000140	ZHANG, WG;JIA, ZR;ZHANG, YX;HU, K;DING, LT;WANG, F	POLYMERS 11 (1): - JAN 2019	CHEMISTRY	9
78	SPATIOTEMPORAL TRAFFIC FLOW PREDICTION WITH KNN AND LSTM	000460891500001	LUO, XL;LI, DY;YANG, Y;ZHANG, SR	JOURNAL OF ADVANCED TRANSPORTATION : - 2019	ENGINEERING	9
79	NUMERICAL ANALYSIS OF THE COMPRESSIVE AND SHEAR FAILURE BEHAVIOR OF ROCK	000455001900003	FAN, X;LIN, H;LAI, HP;CAO, RH;LIU, J	COMPTEs RENDUS MECANIQUE 347 (1):	ENGINEERING	9

	CONTAINING MULTI-INTERMITTENT JOINTS			33-48 JAN 2019		
80	HOW SAFE IS SAFE ENOUGH FOR SELF-DRIVING VEHICLES?	000458171100004	LIU, P;YANG, R;XU, ZG	RISK ANALYSIS 39 (2): 315-325 SP. ISS. SI FEB 2019	SOCIAL SCIENCES, GENERAL	9
81	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	9
82	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	9
83	OPTIMIZATION ANALYSIS OF SETTLEMENT PARAMETERS FOR POSTGROUTING PILES IN LOESS AREA OF SHAANXI, CHINA	000466288900001	ZHOU, ZJ;ZHU, SS;KONG, X;LEI, JT;LIU, T	ADVANCES IN CIVIL ENGINEERING : - 2019	ENGINEERING	9
84	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	8
85	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	8
86	FEMTOSECOND LASER IRRADIATION OF CARBON	000459976200116	CUI, JL;CHENG, Y;ZHANG,	APPLIED	ENGINEERING	8

	NANOTUBES TO METAL ELECTRODES		JW;MEI, HH;WANG, XW	SCIENCES-BASEL 9 (3): - FEB 1 2019		
87	TYPHOON TRIGGERED OPERATION TUNNEL DEBRIS FLOW DISASTER IN COASTAL AREAS OF SE CHINA	000455439200001	REN, R;YU, DQ;WANG, LX;WANG, K;WANG, H;HE, SY	GEOMATICS NATURAL HAZARDS & RISK 10 (1): 562-575 JAN 1 2019	GEOSCIENCES	8
88	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	8
89	STUDY ON COMBUSTION CHARACTERISTICS AND PARTICULATE EMISSIONS OF A COMMON-RAIL DIESEL ENGINE FUELED WITH N-BUTANOL AND WASTE COOKING OIL BLENDS	000469152800004	GENG, LM;CHEN, Y;CHEN, XB;LEE, CFF	JOURNAL OF THE ENERGY INSTITUTE 92 (3): 438-449 JUN 2019	ENGINEERING	8
90	PHOTOLUMINESCENT LIGNIN HYBRIDIZED CARBON QUANTUM DOTS COMPOSITES FOR BIOIMAGING APPLICATIONS	000456226700105	XUE, BL;YANG, Y;SUN, YC;FAN, JS;LI, XP;ZHANG, Z	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULE S 122: 954-961 FEB 1 2019	BIOLOGY & BIOCHEMISTRY	8
91	METHANE EXPLOSION ACCIDENTS OF TUNNELS IN SW CHINA	000456347600001	HE, SY;SU, LJ;FAN, HB;REN, R	GEOMATICS NATURAL HAZARDS & RISK 10 (1): 667-677 JAN 1 2019	GEOSCIENCES	8

92	SPREADING SPEEDS AND TRAVELING WAVES FOR SPACE-TIME PERIODIC NONLOCAL DISPERSAL COOPERATIVE SYSTEMS	000446348800019	BAO, XX;SHEN, WX;SHEN, ZW	COMMUNICATIONS ON PURE AND APPLIED ANALYSIS 18 (1): 361-396 JAN 2019	MATHEMATICS	8
93	SUPPORT SYSTEM FOR TUNNELLING IN SQUEEZING GROUND OF QINGLING-DABA MOUNTAINOUS AREA: A CASE STUDY FROM SOFT ROCK TUNNELS	000471865100001	WANG, XL;LAI, JX;GARNES, RS;LUO, YB	ADVANCES IN CIVIL ENGINEERING : - 2019	ENGINEERING	8
94	CHARACTERIZING HETEROGENEITY OF ASPHALT MIXTURE BASED ON AGGREGATE PARTICLES MOVEMENTS	000464705600009	ZHANG, JP;LI, XQ;MA, WS;PEI, JZ	IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF CIVIL ENGINEERING 43 (1): 81-91 MAR 2019	ENGINEERING	8
95	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	8
96	URBAN TRANSPORT CARBON DIOXIDE (CO2) EMISSIONS BY COMMUTERS IN RAPIDLY DEVELOPING CITIES: THE COMPARATIVE STUDY OF BEIJING AND XIAN IN CHINA	000466455900007	YANG, L;WANG, YQ;HAN, SS;LIU, YY	TRANSPORTATION RESEARCH PART D-TRANSPORT AND ENVIRONMENT 68: 65-83 SP. ISS. SI	SOCIAL SCIENCES, GENERAL	7

				MAR 2019		
97	CHARACTERISTICS OF DEW FORMATION IN THE SEMI-ARID LOESS PLATEAU OF CENTRAL SHAANXI PROVINCE, CHINA	000459735100124	JIA, ZF;WANG, Z;WANG, H	WATER 11 (1): - JAN 2019	ENVIRONMENT/EC OLOGY	7
98	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	6

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
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	117
2	MICROWAVE SYNTHESIS OF A NOVEL MAGNETIC IMPRINTED TiO2 PHOTOCATALYST WITH EXCELLENT TRANSPARENCY FOR SELECTIVE PHOTODEGRADATION OF ENROFLOXACIN HYDROCHLORIDE RESIDUES SOLUTION	000337554100003	LU, ZY;CHEN, F (Chen, Fei, 我校);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	105
3	URANIUM AND MOLYBDENUM ISOTOPE EVIDENCE FOR AN EPISODE OF WIDESPREAD OCEAN OXYGENATION DURING THE LATE	000352192100010	KENDALL, B;KOMIYA, T;LYONS, TW;BATES, SM;GORDON,	GEOCHIMICA ET COSMOCHIMICA ACTA 156: 173-193	GEOSCIENCES	96

	EDIACARAN PERIOD		GW;ROMANIELLO, SJ;JIANG, GQ;CREASER, RA;XIAO, SH;MCFADDEN, K;SAWAKI, Y;TAHATA, M;SHU, DG;HAN, J; LI, Y (Li, Yong, 我校) ;CHU, XL;ANBAR, AD	MAY 1 2015		
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, 我校) ;YUAN, SL	APPLIED CATALYSIS B-ENVIRONMENTAL 209: 720-728 JUL 15 2017	CHEMISTRY	66
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, 我校) ;CHEN, Y;FAN, HB;SU, DW;WANG, GX	JOURNAL OF MATERIALS CHEMISTRY A 6 (6): 2797-2807 FEB 14 2018	MATERIALS SCIENCE	54
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	54
7	GIS-BASED LANDSLIDE SUSCEPTIBILITY MODELLING: A COMPARATIVE ASSESSMENT OF KERNEL LOGISTIC REGRESSION, NAIVE-BAYES	000418899200046	CHEN, W;XIE, XS; PENG, JB (Peng, Jianbing, 我校) ;WANG, JL;DUAN,	GEOMATICS NATURAL HAZARDS & RISK 8	GEOSCIENCES	51

	TREE, AND ALTERNATING DECISION TREE MODELS		Z;HONG, HY	(2): 950-973 2017		
8	SINGLE IMAGE SUPER-RESOLUTION VIA LOCALLY REGULARIZED ANCHORED NEIGHBORHOOD REGRESSION AND NONLOCAL MEANS	000391475200002	JIANG, JJ;MA, X (Ma, Xiang, 我校);CHEN, C;LU, T;WANG, ZY;MA, JY	IEEE TRANSACTIONS ON MULTIMEDIA 19 (1): 15-26 JAN 2017	COMPUTER SCIENCE	50
9	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, 我校);FAN, HB;CHENG, FL;SU, DW;WANG, GX	NANO ENERGY 51: 73-82 SEP 2018	MATERIALS SCIENCE	39
10	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, 我校);SHAHABI, H;HONG, HY;BUI, DT;DUAN, Z;LI, SJ;ZHU, AX	CATENA 164: 135-149 MAY 2018	AGRICULTURAL SCIENCES	36
11	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, 我校);ZHANG, LY;CHAI, HC;MA, JQ;CHEN, YT;WANG, XJ;LI, RW;BIN AHMAD, B	APPLIED SCIENCES-BASEL 8 (12): - DEC 2018	ENGINEERING	30
12	A STUDY ON THE MECHANICAL BEHAVIOR AND	000443205500012	WANG, JB;SONG, ZP;ZHAO,	ARABIAN JOURNAL	ENGINEERING	28

	STATISTICAL DAMAGE CONSTITUTIVE MODEL OF SANDSTONE		BY;LIU, XR;LIU, J;LAI, JX (Lai, Jinxing, 我校)	FOR SCIENCE AND ENGINEERING 43 (10): 5179-5192 OCT 2018		
13	PARTICLE SIZE DISTRIBUTION EFFECTS ON DEFORMATION PROPERTIES OF GRADED AGGREGATE BASE UNDER CYCLIC LOADING	000466179000001	LIN, H;WANG, H;FAN, X (Fan, Xiang, 我校);CAO, P;ZHOU, KF	EUROPEAN JOURNAL OF ENVIRONMENTAL AND CIVIL ENGINEERING 23 (3): 269-286 MAR 4 2019	ENGINEERING	16
14	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, Yongli, 我校)	GEOFLUIDS : - 2019	GEOSCIENCES	12
15	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	11
16	FREE VIBRATION OF NONLOCAL TIMOSHENKO BEAMS MADE OF FUNCTIONALLY GRADED MATERIALS BY SYMPLECTIC METHOD	000457206000020	ZHANG, K;GE, MH;ZHAO, C;DENG, ZC;XU, XJ (Xu, Xiao-Jian, 我校)	COMPOSITES PART B-ENGINEERING 156: 174-184 JAN 1 2019	MATERIALS SCIENCE	10
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	GEOFLUIDS : - 2019	GEOSCIENCES	9

			(;Sun, Yufeng, 我校)			
18	THE EFFECT OF DIRECT-TO-PLANT STYRENE-BUTADIENE-STYRENE BLOCK COPOLYMER COMPONENTS ON BITUMEN MODIFICATION	000457202000140	ZHANG, WG;JIA, ZR;ZHANG, YX;HU, K;DING, LT (Ding, Longting, 我校);WANG, F	POLYMERS 11 (1): - JAN 2019	CHEMISTRY	9
19	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	9
20	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, 我校)	SCIENCE OF THE TOTAL ENVIRONMENT 684: 31-49 SEP 20 2019	ENVIRONMENT/EC OLOGY	8
21	FEMTOSECOND LASER IRRADIATION OF CARBON NANOTUBES TO METAL ELECTRODES	000459976200116	CUI, JL;CHENG, Y;ZHANG, JW;MEI, HH (Mei, Huanhuan, 我校);WANG, XW	APPLIED SCIENCES-BASEL 9 (3): - FEB 1 2019	ENGINEERING	8
22	PHOTOLUMINESCENT LIGNIN HYBRIDIZED CARBON QUANTUM DOTS COMPOSITES FOR BIOIMAGING APPLICATIONS	000456226700105	XUE, BL;YANG, Y;SUN, YC (Sun, Yongchang, 我校);FAN, JS;LI, XP;ZHANG, Z	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES 122: 954-961 FEB 1 2019	BIOLOGY & BIOCHEMISTRY	8
23	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	SOCIAL SCIENCES, GENERAL	6

				ENVIRONMENT 66: 3-12 SP. ISS. SI JAN 2019		
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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	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	45

98 篇高被引论文的分布院系为：公路学院 39 篇，位居首位；水利与环境学院 28 篇；信息工程学院 6 篇；汽车学院 11 篇，比上期增加 4 篇；地质工程与测绘学院 6 篇，比上期增加 1 篇；地球科学与资源学院 2 篇，与上期持平；理学院 2 篇，与上期持平；材料科学与工程学院 2 篇，比上期增加 1 篇；工程机械学院 1 篇。表 4 显示了我校近 7 期 ESI 高被引论文院系分布变化情况。

表 4 近 7 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
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

表 5 显示了我校近 7 期 ESI 热点论文院系分布变化情况。

表 5 近 7 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	本期我校无热点论文				
2019.9.11					4
2019.11.15	1	1			
2020.1.9				1	

从本期 ESI 数据可以看出,汽车学院高被引论文增幅较大,工程机械学院近 7 期以来首次出现高被引论文,其他学院基本与上期持平。其他尚未有 ESI 高被引论文的院系仍需努力。从高被引论文作者分布来看,我校已经涌现出一些发文量、被引频次较高的作者,我们对高被引论文以及热点论文的作者(仅限第一作者身份发表的论文)分布进行了统计分析,详见表 6。

表 6 我校高被引论文、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	高被引论文	所属院系
LI, PY (Li, Peiyue)	12	水利与环境学院
LAI, JX (Lai, Jinxing)	6	公路学院
QIU, JL (Qiu, Junling)	5	公路学院
ADIMALLA, N	3	水利与环境学院
QI, DH (Qi, Donghui)	3	汽车学院
WANG, ZF (Wang, Zhi-Feng)	3	公路学院
ZHOU, ZJ (Zhou, Zhijun)	3	公路学院
CHEN, H (Chen, Hao)	2	汽车学院
DUAN, LM (Duan, Limin)	2	公路学院
GUO, F (Guo, Feng)	2	水利与环境学院
LUO, XL (Luo, Xianglong)	2	公路学院
REN, R (Ren, Rui)	2	公路学院
XIE, SB (Xie, Shaobo)	2	汽车学院
ZHANG, JP (Zhang, Jiupeng)	2	公路学院

BAO, XX (Bao,Xiongxiong)	1	理学院
DONG, M (Dong, Ming)	1	信息工程学院
FAN, X (Fan,Xiang)	1	公路学院
GENG, LM (Geng, Limin)	1	汽车学院
HE, S (He, Song)	1	水利与环境学院
HE, SY (He, Siyue)	1	公路学院
HE, XD (He, Xiaodong)	1	水利与环境学院
HUI, F (Hui, Fei)	1	信息工程学院
JIA, ZF (Jia,Zhifeng)	1	水利与环境学院
LENG, YQ (Leng, Yanqiu)	1	地质工程与测绘学院
REN, CF (Ren,Chongfeng)	1	水利与环境学院
SONG, XL (Song,Xueli)	1	理学院
WANG, XL (Wang, Xiuling)	1	公路学院
WANG, YG (Wang, Yonggang)	1	公路学院
WANG, YQ (Wang,Yaqiong)	1	公路学院
WANG, ZC (Wang, Zhichao)	1	公路学院
WU, JH (Wu,Jianhua)	1	水利与环境学院
WU, X (Wu, Xia)	1	信息工程学院
XIN, Q (Xin,Qi)	1	汽车学院
XU, XJ (Xu,XiaoJian)	1	公路学院
YANG, L (Yang, Liu)	1	公路学院

YU, SW (Yu,Shaowei)	1	信息工程学院
ZHANG, W (Zhang, Wei)	1	信息工程学院
ZHANG, YT (Zhang, Yuting)	1	水利与环境学院
ZHENG, H (Zheng, Han)	1	水利与环境学院
ZHUANG, JQ (Zhuang,Jianqi)	1	地质工程与测绘学院

对 98 篇高被引论文的来源期刊进行分析后,表 7 列出了 60 种来源期刊的名称、发文数量和影响因子。其中, *EXPOSURE AND HEALTH* 是我校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 8 篇;影响因子最高的期刊为 *NANO ENERGY*,影响因子高达 15.55,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数值可以看出,我校高被引论文来源期刊的 JNCI 值都大于 1,说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,因此建议相关研究人员还可以向更高影响力的期刊投稿。图 2 展示了我校 98 篇高被引论文的 60 种来源期刊的分区占比情况,可以看出,我校高被引论文在 Q1 区的占比最高,Q2 区其次,两个区的占比达 69%以上,说明我校本期高被引论文的来源期刊质量相对较高,这种良好态势应该继续保持下去。

表 7 我校高被引论文的 60 种来源期刊列表

序号	来源出版物	论文数	影响因子	期刊规范化的引文影响力
1	EXPOSURE AND HEALTH	8	4.532	5.69
2	ENVIRONMENTAL EARTH SCIENCES	5	1.871	17.06
3	HUMAN AND ECOLOGICAL RISK ASSESSMENT	4	5.439	4.62
4	APPLIED SCIENCES BASEL	3	7.181	5.1
5	ENERGY	3	7.65	3.58
6	GEOFLUIDS	3	8.426	3.83
7	GEOMATICS NATURAL HAZARDS RISK	3	2.319	7.2
8	NATURAL HAZARDS	3	8.355	3.39
9	SHOCK AND VIBRATION	3	14.229	2.03
10	ADVANCES IN CIVIL	2	4.258	4.49

	ENGINEERING			
11	APPLIED CATALYSIS B ENVIRONMENTAL	2	1.179	31.26
12	APPLIED ENERGY	2	3.16	11.11
13	ENGINEERING GEOLOGY	2	1.628	41.05
14	JOURNAL OF HAZARDOUS MATERIALS	2	2.914	17.27
15	JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES	2	1.181	24.07
16	JOURNAL OF SENSORS	2	1.141	28.48
17	MATHEMATICAL PROBLEMS IN ENGINEERING	2	2.024	31.15
18	PHYSICA A STATISTICAL MECHANICS AND ITS APPLICATIONS	2	2.332	11.27
19	RISK ANALYSIS	2	5.589	7.41
20	SCIENCE OF THE TOTAL ENVIRONMENT	2	2.012	11.08
21	TRANSPORTATION RESEARCH PART D TRANSPORT AND ENVIRONMENT	2	1.542	29.21
22	ACCIDENT ANALYSIS AND PREVENTION	1	10.733	6.07
23	ADVANCES IN MATERIALS SCIENCE AND ENGINEERING	1	5.452	5.16
24	APPLIED AND COMPUTATIONAL MATHEMATICS	1	3.909	6.605
25	ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING	1	2.5	14.88
26	ARABIAN JOURNAL OF GEOSCIENCES	1	2.217	19.60
27	BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT	1	0.789	35.17
28	CATENA	1	4.604	10.68
29	CHEMICAL ENGINEERING JOURNAL	1	9.052	3.06
30	COMMUNICATIONS ON PURE AND APPLIED ANALYSIS	1	2.145	16.16
31	COMPOSITES PART B ENGINEERING	1	1.437	30.71
32	COMPTEs RENDUS MECANIQUE	1	10.556	3.47

33	COMPUTERS AND GEOTECHNICS	1	15.548	2.68
34	CONSTRUCTION AND BUILDING MATERIALS	1	2.081	8.23
35	ECOLOGICAL INDICATORS	1	3.851	10.39
36	ENERGY CONVERSION AND MANAGEMENT	1	5.537	9.01
37	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	1	1.533	7.88
38	EUROPEAN JOURNAL OF ENVIRONMENTAL AND CIVIL ENGINEERING	1	1.518	21.18
39	FILOMAT	1	2.564	13.77
40	GEOCHIMICA ET COSMOCHIMICA ACTA	1	1.104	27.65
41	IEEE TRANSACTIONS ON MULTIMEDIA	1	1.873	27.83
42	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	1	6.395	11.21
43	INTERNATIONAL JOURNAL OF ENGINEERING SCIENCE	1	4.051	8.31
44	INTERNATIONAL JOURNAL OF PAVEMENT ENGINEERING	1	4.046	10.24
45	INTERNATIONAL JOURNAL OF WATER RESOURCES DEVELOPMENT	1	2.138	6
46	IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTIONS OF CIVIL ENGINEERING	1	3.942	11.48
47	JOURNAL OF ADVANCED TRANSPORTATION	1	3.345	12.17
48	JOURNAL OF CLEANER PRODUCTION	1	1.399	11.14
49	JOURNAL OF MATERIALS CHEMISTRY A	1	2.298	7.29
50	JOURNAL OF THE ENERGY INSTITUTE	1	3.164	16.62
51	MATHEMATICAL METHODS IN THE APPLIED SCIENCES	1	6.864	5.01
52	MEDITERRANEAN JOURNAL OF MATHEMATICS	1	3.058	10.41
53	MINE WATER AND THE ENVIRONMENT	1	0.8	33.43

54	NANO ENERGY	1	4.49	11.22
55	NONLINEAR DYNAMICS	1	1.983	37.18
56	POLYMERS	1	0.966	24.88
57	RENEWABLE ENERGY	1	3.774	5.35
58	RENEWABLE SUSTAINABLE ENERGY REVIEWS	1	0.925	12.67
59	TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY	1	4.784	6.26
60	WATER	1	2.524	16.38

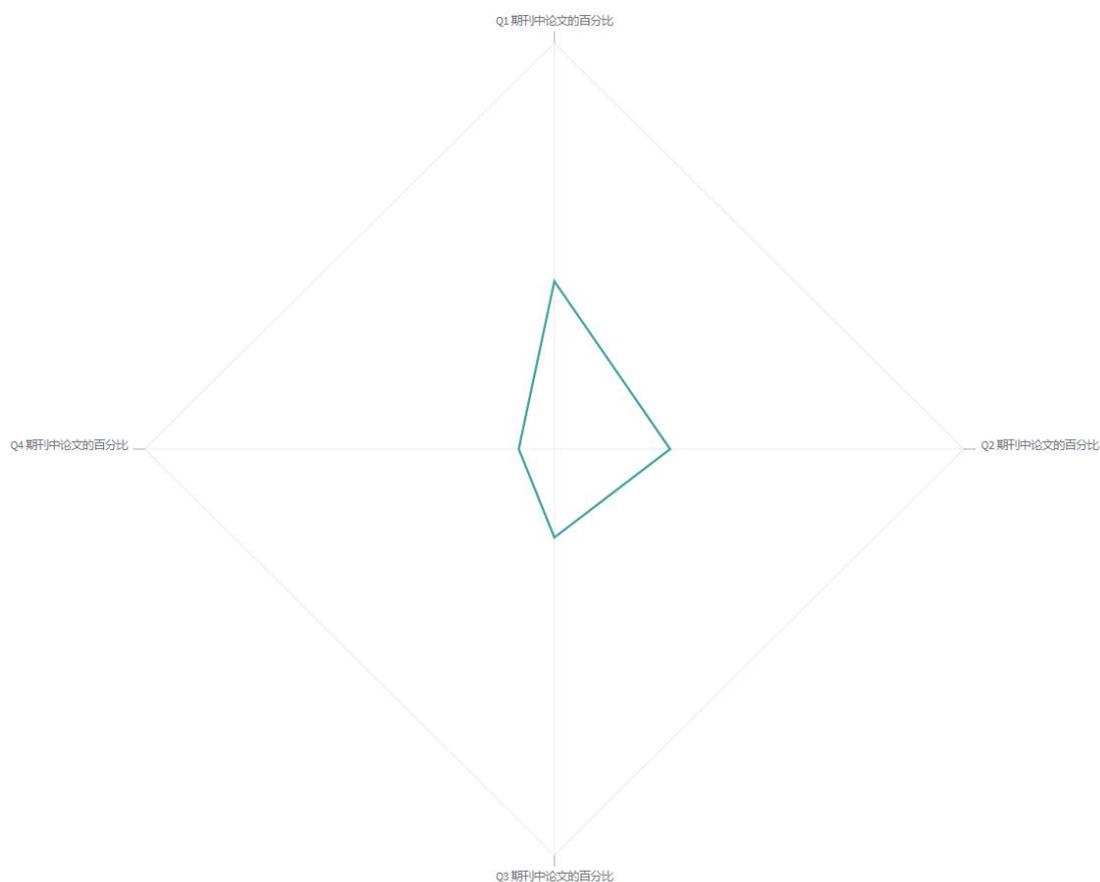


图2 我校 96 篇高被引论文 60 种来源期刊的分区占比图

二. 我校 ESI 前 1% 学科概况与预测

本期我校有两个 ESI 全球前 1% 学科（工程学、地球科学）。我校在工程学领域共发表 ESI 论文 1, 576 篇，被引用 8, 011 次，其中高被引论文 36 篇，本期全球有 1, 535 所机构（大陆机构 218 所）的工程学学科进入 ESI 全球排名前 1% 行列，我校位列 714 位（大陆机构排名 99 位，排名为前 50%）。表 8 为近 8 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 我校工程学发文量、被引频次以及 ESI 排名情况（近 7 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

我校在地球科学领域共发表 ESI 论文 950 篇，被引用 7, 295 次，其中高被引论文 14 篇，本期全球有 722 所机构（大陆机构 55 所）的地球科学进入 ESI 全球排名前 1% 行列，我校位列 672 位（大陆机构排名 52 位）。表 9 为近 2 期我校地球科学 Web of Science 发文量、被引频次以及 ESI 与排名情况。

表 9 我校地球科学发文量、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
地球科学（2019.11.15）	81	717	897	6, 813
地球科学（2020.1.9）	52	722	950	7, 295

除了工程学、地球科学和材料科学，我校还有其他学科近期表现良好。选择 2009-2019 年我校 ESI 各学科发文数量前 5 的学科：工程学、材料科学、地球科学、环境\生态学和化学进行了 CNCI 值的分析，详见图 3、表 10。

表 10 我校发文数量前 5 的 ESI 学科 CNCI 值

学科	WOS 文献数量	CNCI 值	被引次数	被引百分比
工程学	1614	1.076523606	8976	65.92317224
材料科学	1035	0.682982319	6926	72.46376812
地学	966	0.961097516	7652	76.60455487
环境/生态学	574	1.5953777	4263	66.72473868

化学	541	0.899307948	4124	75.97042514
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从图 3 可以看出，工程学的发文量、被引频次均为最高；材料科学发文量为第二位，略高于地球科学，但是被引频次却低于地球科学，地球科学发文量第三位；环境/生态科学、化学发文量、被引频次还有待提高。

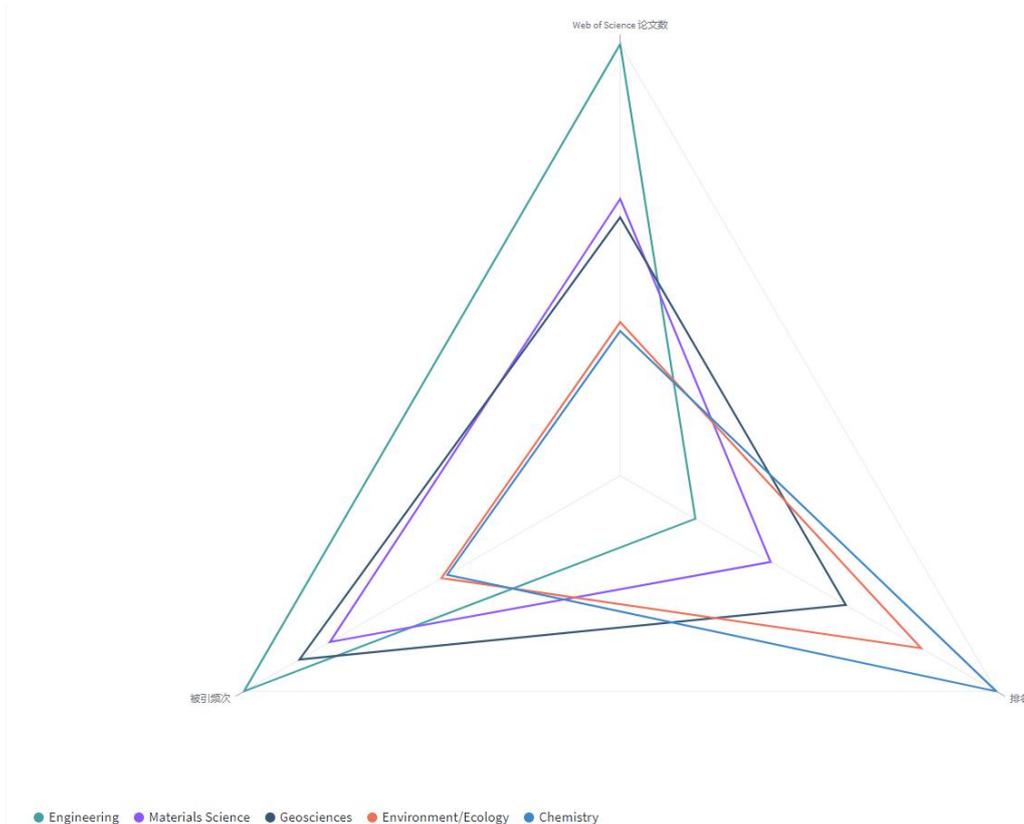


图 3 我校发文数量前 5 的 ESI 学科发文量、被引频次雷达图

从图 4 可以看到，工程学、地球科学、环境/生态科学为长安大学优势学科，其中工程学和环境/生态科学的 CNCI 值大于 1，地球科学的 CNCI 值约接近 1，说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 1.6，说明该学科的研究水平相对比较高，但是其发文数量却还不是很，可看作是我校的潜力学科；而同时注意到我校材料科学发文量比较高，但 CNCI 值低于世界平均水平，还有待进一步提升研究水平；化学学科发文量、CNCI 值都比较低，要实现研究突破仍需一定的努力。通过 CNCI 值的分析可以得知我校环境/生态科学的研究水平已经达到较高的水平，因此在该领域突破 ESI 前 1% 是极为有可能的。

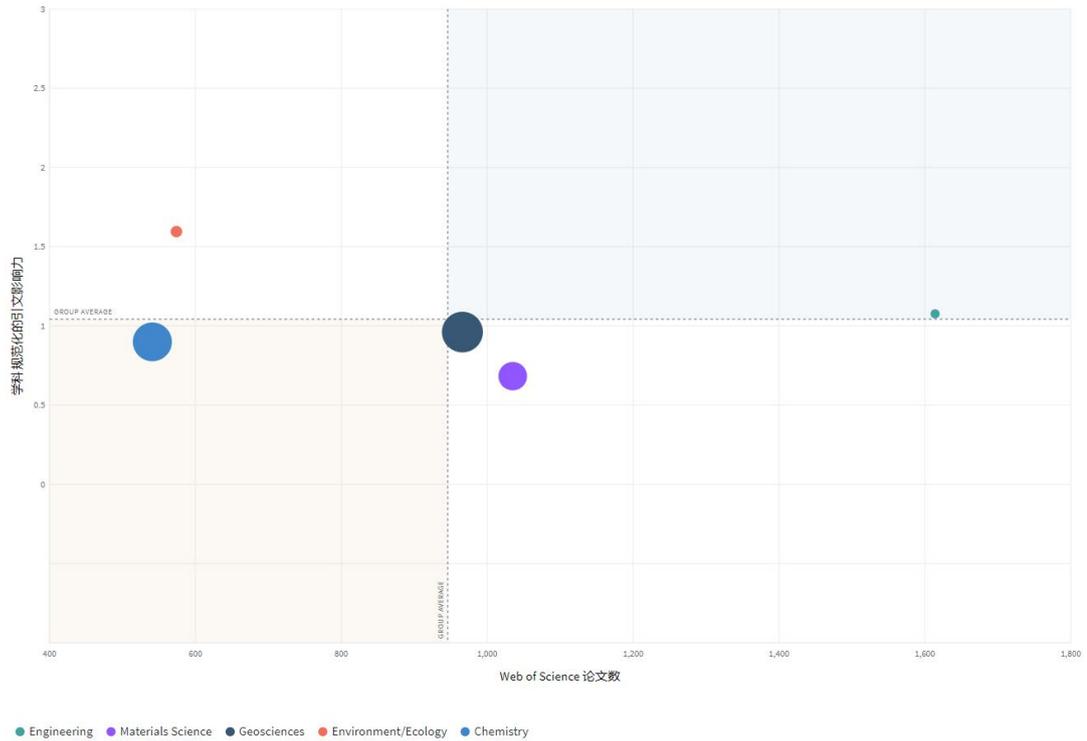


图 4 2009-2019 年我校发文量 TOP5 的 ESI 学科의 CNCI 值表现

图 5 对 22 个 ESI 学科的阈值与我校各学科的被引频次进行了比较之后，进一步对具有潜力进入全球前 1% 的学科进行了预测。从本期 ESI 数据可以看出，我校目前最有潜力进入全球前 1% 的学科有两个：材料科学、环境/生态科学，接近度非常高，这两个学科有很大潜力，需要全校相关研究领域的科研人员做出更大的努力。而其他学科要有所突破进入全球前 1%，还具有相当大的难度，还需要在发文数量、被引频次上努力。

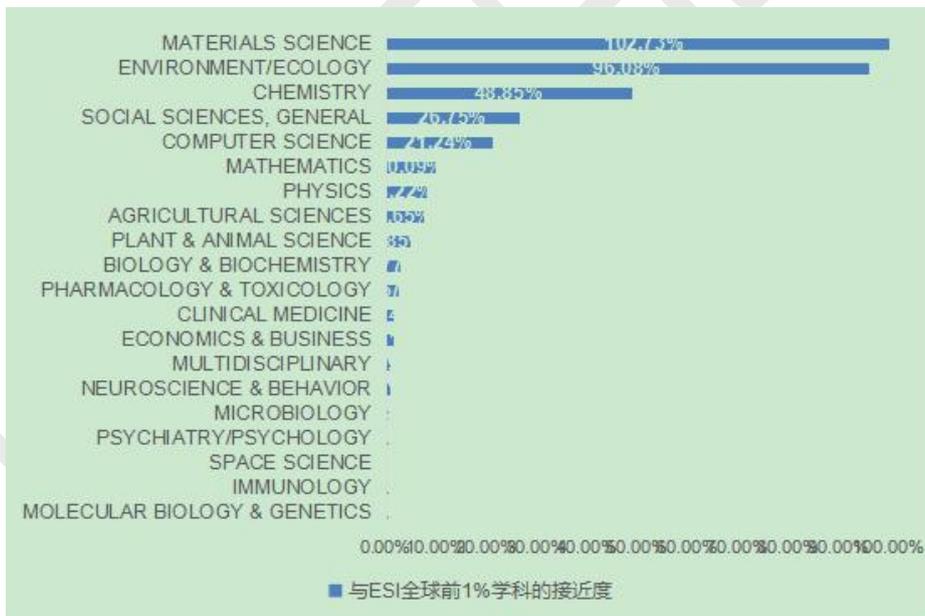


图 5 长安大学具有潜力进入全球前 1%的学科预测

注：由于 ESI 与 Incites 在数据更新时间、被引频次统计、时间跨度等的差别，导致计算出来的接近度会有一些的误差，所以图中材料科学的接近度虽然已经超过 100%，但实际上是还没有进入 ESI 前 1%排名的。

表 11 列出了本期材料科学进入全球前 1%排名的大陆机构。本期全球有 916 所机构材料科学进入 ESI 全球排名前 1%，中国大陆有 164 所机构材料科学进入前 1%排位。下表 13 列出了我校与全球进入材料科学 ESI 前 1%排位最后的机构 WOS 发文量、被引频次，参考本期 ESI 材料科学机构被引阈值，进行对比发现，由于 Incites 与 ESI 在数据时间跨度上、更新时间上有差别，因此表中显示的我校材料科学 2009-2019 年的被引频次超过了本期 ESI 材料科学的阈值，但并不代表我校材料科学已进入 ESI 全球前 1%排名，只能说明我校材料科学已经很接近全球材料科学阈值。

表 11 材料科学学科进入全球前 1%的大陆 164 所机构的论文情况

序号	机构名称	Web of Science 论文数	总被引次数	篇均被引次数	高被引论文数	全球 ESI 材料科学排位
1	CHINESE ACADEMY OF SCIENCES	11973	250721	20.94	298	1
2	UNIVERSITY OF CHINESE ACADEMY OF SCIENCES, CAS	10848	245649	22.64	341	7
3	TSINGHUA UNIVERSITY	5477	156374	28.55	199	9
4	PEKING UNIVERSITY	7159	154283	21.55	161	20
5	ZHEJIANG UNIVERSITY	8325	152412	18.31	127	21
6	SHANGHAI JIAO TONG UNIVERSITY	4397	148308	33.73	152	22
7	FUDAN UNIVERSITY	6313	142155	22.52	184	23
8	UNIVERSITY OF SCIENCE & TECHNOLOGY OF CHINA	10950	141583	12.93	78	28
9	HARBIN INSTITUTE OF TECHNOLOGY	3103	134772	43.43	203	29
10	INSTITUTE OF CHEMISTRY, CAS	4711	123874	26.29	194	31
11	SUZHOU UNIVERSITY	6042	116861	19.34	139	37
12	HUAZHONG UNIVERSITY OF SCIENCE & TECHNOLOGY	7092	114480	16.14	118	40
13	SOUTH CHINA UNIVERSITY OF TECHNOLOGY	6216	111843	17.99	95	42
14	JILIN UNIVERSITY	5498	110891	20.17	93	45
15	INSTITUTE OF METAL RESEARCH, CAS	9646	105686	10.96	87	46

16	CENTRAL SOUTH UNIVERSITY	9994	103630	10.37	71	52
17	UNIVERSITY OF SCIENCE & TECHNOLOGY BEIJING	2766	101552	36.71	111	54
18	CHANGCHUN INSTITUTE OF APPLIED CHEMISTRY, CAS	6338	99781	15.74	117	56
19	TIANJIN UNIVERSITY	6841	96853	14.16	106	58
20	XI'AN JIAOTONG UNIVERSITY	4186	91967	21.97	106	61
21	NANJING UNIVERSITY	2090	87712	41.97	141	69
22	NATIONAL CENTER FOR NANOSCIENCE & TECHNOLOGY - CHINA	5954	86918	14.60	63	72
23	SICHUAN UNIVERSITY	7962	81837	10.28	85	73
24	NORTHWESTERN POLYTECHNICAL UNIVERSITY	4207	81813	19.45	66	75
25	SHANGHAI INSTITUTE OF CERAMICS, CAS	5552	81199	14.63	68	76
26	BEIHANG UNIVERSITY	5058	79742	15.77	121	78
27	WUHAN UNIVERSITY OF TECHNOLOGY	5509	79237	14.38	50	82
28	DALIAN UNIVERSITY OF TECHNOLOGY	3582	78021	21.78	85	83
29	WUHAN UNIVERSITY	4804	74151	15.44	68	84
30	SHANDONG UNIVERSITY	2409	71223	29.57	117	92
31	NANKAI UNIVERSITY	2994	68975	23.04	89	97
32	SUN YAT SEN UNIVERSITY	3129	67951	21.72	62	101
33	BEIJING UNIVERSITY OF CHEMICAL TECHNOLOGY	2084	66217	31.77	91	107
34	INSTITUTE OF PHYSICS, CAS	5401	66213	12.26	77	109
35	CHONGQING UNIVERSITY	3415	65922	19.30	80	110
36	BEIJING INSTITUTE OF TECHNOLOGY	2822	64282	22.78	67	111
37	XIAMEN UNIVERSITY	3925	61576	15.69	67	116
38	TONGJI UNIVERSITY	4351	60162	13.83	48	121
39	SOUTHEAST UNIVERSITY - CHINA	3721	53372	14.34	35	126
40	DONGHUA UNIVERSITY	3603	52859	14.67	52	143
41	NANJING TECH UNIVERSITY	3218	51421	15.98	72	148
42	HUNAN UNIVERSITY	2653	51269	19.32	41	152
43	EAST CHINA UNIVERSITY OF SCIENCE & TECHNOLOGY	4110	51053	12.42	39	153
44	SHANGHAI UNIVERSITY	3295	49881	15.14	55	156

45	NANJING UNIVERSITY OF AERONAUTICS & ASTRONAUTICS	6157	47961	7.79	16	161
46	NORTHEASTERN UNIVERSITY - CHINA	2788	46366	16.63	73	168
47	NANJING UNIVERSITY OF SCIENCE & TECHNOLOGY	1029	45643	44.36	92	172
48	BEIJING INSTITUTE OF NANOENERGY & NANOSYSTEMS, CAS	2136	44051	20.62	33	175
49	LANZHOU UNIVERSITY	1594	39216	24.60	41	181
50	FUZHOU UNIVERSITY	1534	38299	24.97	43	195
51	TECHNICAL INSTITUTE OF PHYSICS & CHEMISTRY, CAS	1773	37927	21.39	34	200
52	HARBIN ENGINEERING UNIVERSITY	3076	35752	11.62	48	202
53	UNIVERSITY OF ELECTRONIC SCIENCE & TECHNOLOGY OF CHINA	2730	33242	12.18	38	215
54	JIANGSU UNIVERSITY	1602	31381	19.59	18	235
55	LANZHOU INSTITUTE OF CHEMICAL PHYSICS, CAS	2022	30401	15.04	28	247
56	NINGBO INSTITUTE OF MATERIALS TECHNOLOGY AND ENGINEERING, CAS	2295	29531	12.87	80	258
57	ZHENGZHOU UNIVERSITY	1161	29153	25.11	37	265
58	DALIAN INSTITUTE OF CHEMICAL PHYSICS, CAS	1971	28900	14.66	25	268
59	CHINA UNIVERSITY OF PETROLEUM	1616	28192	17.45	44	271
60	UNIVERSITY TOWN OF SHENZHEN	1239	28138	22.71	30	281
61	FUJIAN INSTITUTE OF RESEARCH ON THE STRUCTURE OF MATTER, CAS	2511	26471	10.54	20	283
62	BEIJING UNIVERSITY OF TECHNOLOGY	1370	25803	18.83	21	293
63	EAST CHINA NORMAL UNIVERSITY	2413	25267	10.47	45	300
64	SHENZHEN UNIVERSITY	1787	24919	13.94	15	311
65	HEFEI UNIVERSITY OF TECHNOLOGY	2696	24827	9.21	15	315
66	TAIYUAN UNIVERSITY OF TECHNOLOGY	928	24234	26.11	34	316
67	NANJING UNIVERSITY OF POSTS & TELECOMMUNICATIONS	1271	23056	18.14	31	325

68	INSTITUTE OF PROCESS ENGINEERING, CAS	1387	23022	16.60	21	339
69	MINISTRY OF EDUCATION, CHINA	2331	22758	9.76	25	341
70	YANSHAN UNIVERSITY	1892	22674	11.98	20	343
71	CHINA UNIVERSITY OF GEOSCIENCES	2114	22248	10.52	11	345
72	SOUTHWEST JIAOTONG UNIVERSITY	855	21252	24.86	37	351
73	INSTITUTE OF HIGH ENERGY PHYSICS, CAS	876	20520	23.42	27	363
74	SHANGHAI INSTITUTE OF APPLIED PHYSICS, CAS	1464	19749	13.49	9	371
75	XIANGTAN UNIVERSITY	1252	18823	15.03	20	384
76	JINAN UNIVERSITY	426	18738	43.99	24	402
77	CENTRAL CHINA NORMAL UNIVERSITY	855	18731	21.91	31	404
78	INSTITUTE OF SEMICONDUCTORS, CAS	1255	18685	14.89	26	405
79	SHAANXI NORMAL UNIVERSITY	863	18208	21.10	13	406
80	NORTHEAST NORMAL UNIVERSITY - CHINA	1344	17885	13.31	10	415
81	SOUTHWEST UNIVERSITY - CHINA	1596	17614	11.04	23	423
82	UNIVERSITY OF JINAN	1377	17257	12.53	24	431
83	ZHEJIANG UNIVERSITY OF TECHNOLOGY	1137	16849	14.82	15	435
84	HUBEI UNIVERSITY	782	16152	20.65	19	441
85	BEIJING NORMAL UNIVERSITY	2076	16114	7.76	17	451
86	CHINESE ACADEMY OF ENGINEERING PHYSICS	2214	15806	7.14	3	452
87	KUNMING UNIVERSITY OF SCIENCE & TECHNOLOGY	1150	15454	13.44	21	462
88	BEIJING JIAOTONG UNIVERSITY	1864	15404	8.26	13	472
89	CHINA UNIVERSITY OF MINING & TECHNOLOGY	1102	15326	13.91	6	473
90	ANHUI UNIVERSITY	996	15095	15.16	9	478
91	SOUTH CHINA NORMAL UNIVERSITY	1098	15005	13.67	29	492
92	SOUTHERN UNIVERSITY OF SCIENCE & TECHNOLOGY	1236	14930	12.08	14	497
93	ZHEJIANG SCI-TECH UNIVERSITY	1023	14835	14.50	16	499

94	ANHUI UNIVERSITY OF TECHNOLOGY	681	14489	21.28	4	503
95	ZHEJIANG NORMAL UNIVERSITY	713	14431	20.24	21	509
96	SHENZHEN INSTITUTE OF ADVANCED TECHNOLOGY, CAS	1248	14281	11.44	21	513
97	QINGDAO UNIVERSITY OF SCIENCE & TECHNOLOGY	676	14145	20.92	17	517
98	INSTITUTE OF COAL CHEMISTRY, CAS	1158	14083	12.16	30	520
99	QINGDAO UNIVERSITY	1281	13868	10.83	12	523
100	NANCHANG UNIVERSITY	847	13628	16.09	14	530
101	NORTHWEST UNIVERSITY XI'AN	1711	13610	7.95	7	538
102	WUHAN UNIVERSITY OF SCIENCE & TECHNOLOGY	755	13435	17.79	11	539
103	OCEAN UNIVERSITY OF CHINA	1353	13358	9.87	5	544
104	NATIONAL UNIVERSITY OF DEFENSE TECHNOLOGY - CHINA	1002	13194	13.17	13	546
105	HENAN UNIVERSITY	1613	13189	8.18	5	552
106	JIANGNAN UNIVERSITY	693	13180	19.02	18	553
107	CHANGCHUN INSTITUTE OF OPTICS, FINE MECHANICS & PHYSICS, CAS	1550	12545	8.09	8	554
108	SHAANXI UNIVERSITY OF SCIENCE & TECHNOLOGY	937	12449	13.29	20	576
109	YANGZHOU UNIVERSITY	1624	12252	7.54	12	579
110	GUANGDONG UNIVERSITY OF TECHNOLOGY	1448	12036	8.31	11	584
111	GUANGXI UNIVERSITY	1282	11988	9.35	2	592
112	CHANGZHOU UNIVERSITY	1384	11956	8.64	6	595
113	TIANJIN POLYTECHNIC UNIVERSITY	630	11941	18.95	13	596
114	HEILONGJIANG UNIVERSITY	494	11878	24.04	5	598
115	AIR FORCE MILITARY MEDICAL UNIVERSITY	1341	11808	8.81	7	602
116	HEBEI UNIVERSITY OF TECHNOLOGY	1146	11740	10.24	7	605
117	NINGBO UNIVERSITY	595	11329	19.04	18	612
118	NANJING NORMAL UNIVERSITY	589	11213	19.04	11	625
119	SHANGHAI NORMAL UNIVERSITY	1168	11170	9.56	46	632
120	JIANGSU UNIVERSITY OF SCIENCE & TECHNOLOGY	1316	10712	8.14	12	635

121	LANZHOU UNIVERSITY OF TECHNOLOGY	847	10611	12.53	15	654
122	WUHAN INSTITUTE OF TECHNOLOGY	1211	10529	8.69	3	657
123	HOHAI UNIVERSITY	597	10386	17.40	7	659
124	INSTITUTE OF MECHANICS, CAS	774	10328	13.34	4	663
125	SHANGHAI INSTITUTE OF MICROSYSTEM & INFORMATION TECHNOLOGY, CAS	894	10291	11.51	16	667
126	UNIVERSITY OF SHANGHAI FOR SCIENCE & TECHNOLOGY	803	10238	12.75	15	668
127	NORTH CHINA ELECTRIC POWER UNIVERSITY	912	9979	10.94	6	670
128	NANCHANG HANGKONG UNIVERSITY	1314	9857	7.50	8	683
129	XI'AN UNIVERSITY OF TECHNOLOGY	647	9633	14.89	7	687
130	HENAN NORMAL UNIVERSITY	445	9490	21.33	14	693
131	QINGDAO INSTITUTE OF BIOMASS ENERGY AND BIOPROCESS TECHNOLOGY, CAS	572	9070	15.86	12	701
132	WENZHOU UNIVERSITY	819	9061	11.06	10	727
133	TIANJIN UNIVERSITY OF TECHNOLOGY	885	8790	9.93	4	729
134	NORTHEAST FORESTRY UNIVERSITY - CHINA	446	8715	19.54	19	748
135	SOUTH CHINA AGRICULTURAL UNIVERSITY	873	8620	9.87	7	755
136	BEIJING FORESTRY UNIVERSITY	1071	8570	8.00	25	763
137	SOUTHWEST UNIVERSITY OF SCIENCE & TECHNOLOGY - CHINA	779	8547	10.97	8	770
138	HANGZHOU DIANZI UNIVERSITY	449	8399	18.71	4	772
139	HARBIN NORMAL UNIVERSITY	502	8332	16.60	8	784
140	NORTHWEST NORMAL UNIVERSITY - CHINA	426	8278	19.43	6	790
141	CHINESE ACADEMY OF MEDICAL SCIENCES - PEKING UNION MEDICAL COLLEGE	1122	8147	7.26	19	792
142	NORTH UNIVERSITY OF CHINA	1048	8112	7.74	6	799
143	QILU UNIVERSITY OF TECHNOLOGY	808	8081	10.00	28	801

144	SHANDONG UNIVERSITY OF SCIENCE & TECHNOLOGY	321	7998	24.92	1	805
145	WENZHOU MEDICAL UNIVERSITY	623	7872	12.64	4	808
146	HUAQIAO UNIVERSITY	805	7827	9.72	7	815
147	CHINA JILIANG UNIVERSITY	902	7823	8.67	0	818
148	CHINA BAOWU STEEL GROUP	1078	7699	7.14	0	819
149	CENTRAL IRON & STEEL RESEARCH INSTITUTE	515	7685	14.92	9	832
150	SHANGHAI INSTITUTE OF TECHNICAL PHYSICS, CAS	525	7682	14.63	13	835
151	HUNAN UNIVERSITY OF TECHNOLOGY	682	7668	11.24	7	836
152	HEBEI UNIVERSITY	543	7583	13.97	12	837
153	SHANXI UNIVERSITY	340	7578	22.29	6	844
154	TIANJIN MEDICAL UNIVERSITY	592	7414	12.52	6	845
155	SHANGHAI INSTITUTE OF OPTICS & FINE MECHANICS	745	7355	9.87	4	854
156	CHANGCHUN UNIVERSITY OF SCIENCE & TECHNOLOGY	720	7250	10.07	14	861
157	CHANGSHA UNIVERSITY OF SCIENCE & TECHNOLOGY	166	7215	43.46	12	871
158	SHANGHAI INSTITUTE OF MATERIALS, CAS	724	7023	9.70	2	875
159	GUILIN UNIVERSITY OF TECHNOLOGY	1037	7010	6.76	6	894
160	NANJING FORESTRY UNIVERSITY	356	6915	19.42	4	897
161	CHINA PHARMACEUTICAL UNIVERSITY	792	6892	8.70	2	902
162	BEIJING INSTITUTE OF AERONAUTICAL MATERIAL	781	6784	8.69	3	905
163	GENERAL RESEARCH INSTITUTE FOR NONFERROUS METALS	877	6754	7.70	7	912
164	GUILIN UNIVERSITY OF ELECTRONIC TECHNOLOGY	11973	250721	20.94	298	915

表 12 长安大学材料科学论文情况 (2009-2019)

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	1,035	6, 926	6, 742
UNIVERSITY OF COLOGNE	306	6, 742	

表 13 列出了本期全球进入环境/生态科学全球前 1%的大陆机构。本期全球有 1060 所机构的环境/生态科学进入全球排名前 1%，中国大陆有 85 所机构的环境/生态科学进入前 1%排位。下表 15 列出了我校与全球进入环境/生态科学 ESI 前 1%排位最后的机构 WOS 发文量、被引频次，参考本期 ESI 环境/生态科学机构被引阈值，进行对比发现，我校环境/生态科学发文量虽然比已进入全球前 1%的一些机构多，但是被引频次距离学科机构被引阈值还有一定的差距，需要进一步提升影响力，以实现突破。

表 13 环境/生态科学学科进入全球前 1%的大陆 84 所机构的论文情况

序号	机构名称	Web of Science 论文数	总被引次数	篇均被引次数	高被引论文数	全球 ESI 环境/生态科学排位
1	CHINESE ACADEMY OF SCIENCES	27373	376862	13.77	360	2
2	UNIVERSITY OF CHINESE ACADEMY OF SCIENCES, CAS	9278	96520	10.40	70	24
3	RESEARCH CENTER FOR ECO-ENVIRONMENTAL SCIENCES (RCEES)	3748	60614	16.17	58	72
4	PEKING UNIVERSITY	3114	57208	18.37	62	81
5	TSINGHUA UNIVERSITY	3547	54037	15.23	84	88
6	BEIJING NORMAL UNIVERSITY	3568	46376	13.00	47	106
7	ZHEJIANG UNIVERSITY	3008	42553	14.15	50	121
8	NANJING UNIVERSITY	3024	42328	14.00	40	123
9	GUANGZHOU INSTITUTE OF GEOCHEMISTRY, CAS	1321	32213	24.39	17	176
10	TONGJI UNIVERSITY	2362	30885	13.08	29	185
11	INSTITUTE OF GEOGRAPHIC SCIENCES & NATURAL RESOURCES RESEARCH, CAS	2725	30566	11.22	43	187
12	HARBIN INSTITUTE OF TECHNOLOGY	1667	24510	14.70	32	250

13	SUN YAT SEN UNIVERSITY	1953	24475	12.53	37	252
14	CHINESE RESEARCH ACADEMY OF ENVIRONMENTAL SCIENCES	1724	22937	13.30	18	270
15	NANKAI UNIVERSITY	1175	21397	18.21	20	289
16	CHINA AGRICULTURAL UNIVERSITY	1691	20849	12.33	19	295
17	INSTITUTE OF BOTANY, CAS	917	20096	21.91	23	305
18	FUDAN UNIVERSITY	1283	18649	14.54	21	334
19	INSTITUTE OF SOIL SCIENCE, CAS	1124	18295	16.28	20	341
20	SHANGHAI JIAO TONG UNIVERSITY	1320	17723	13.43	32	350
21	INSTITUTE OF URBAN ENVIRONMENT, CAS	1092	17669	16.18	19	352
22	NANJING AGRICULTURAL UNIVERSITY	1211	17253	14.25	17	357
23	OCEAN UNIVERSITY OF CHINA	1609	17046	10.59	20	361
24	NORTHWEST A&F UNIVERSITY - CHINA	1730	16895	9.77	22	367
25	CHINESE ACADEMY OF AGRICULTURAL SCIENCES	1547	16683	10.78	21	370
26	CHINA UNIVERSITY OF GEOSCIENCES	1929	16498	8.55	10	374
27	NANJING INSTITUTE OF GEOGRAPHY & LIMNOLOGY, CAS	1221	15658	12.82	11	398
28	HOHAI UNIVERSITY	2117	15130	7.15	11	412
29	EAST CHINA NORMAL UNIVERSITY	1163	14937	12.84	37	426
30	HUNAN UNIVERSITY	717	13883	19.36	73	469
31	DALIAN UNIVERSITY OF TECHNOLOGY	1010	13841	13.70	9	471
32	SHENYANG INSTITUTE OF APPLIED ECOLOGY, CAS	911	13824	15.17	16	473
33	LANZHOU UNIVERSITY	1190	13090	11.00	13	508

34	XIAMEN UNIVERSITY	1133	12912	11.40	5	514
35	SHANDONG UNIVERSITY	1195	12825	10.73	8	516
36	WUHAN UNIVERSITY	1498	12338	8.24	10	531
37	YANTAI INSTITUTE OF COASTAL ZONE RESEARCH, CAS	756	12145	16.06	12	536
38	UNIVERSITY OF SCIENCE & TECHNOLOGY OF CHINA	745	11674	15.67	15	549
39	BEIJING FORESTRY UNIVERSITY	1229	11179	9.10	10	568
40	INSTITUTE OF TIBETAN PLATEAU RESEARCH, CAS	496	11057	22.29	19	573
41	COLD & ARID REGIONS ENVIRONMENTAL & ENGINEERING RESEARCH INSTITUTE, CAS	889	11007	12.38	5	575
42	UNIVERSITY TOWN OF SHENZHEN	706	10247	14.51	8	609
43	INSTITUTE OF HYDROBIOLOGY, CAS	925	10093	10.91	8	615
44	NORTH CHINA ELECTRIC POWER UNIVERSITY	899	9930	11.05	40	625
45	XINJIANG INSTITUTE OF ECOLOGY & GEOGRAPHY, CAS	945	9463	10.01	4	642
46	HUAZHONG AGRICULTURAL UNIVERSITY	965	9299	9.64	3	646
47	INSTITUTE OF ATMOSPHERIC PHYSICS, CAS	604	9292	15.38	16	647
48	XISHUANGBANNA TROPICAL BOTANICAL GARDEN, CAS	525	9270	17.66	12	649
49	HUAZHONG UNIVERSITY OF SCIENCE & TECHNOLOGY	955	8980	9.40	15	665
50	JINAN UNIVERSITY	992	8702	8.77	13	674
51	NANJING UNIVERSITY OF INFORMATION SCIENCE & TECHNOLOGY	987	8680	8.79	10	677

52	SOUTH CHINA BOTANICAL GARDEN, CAS	506	8646	17.09	10	679
53	CENTRAL SOUTH UNIVERSITY	738	8565	11.61	37	688
54	SOUTH CHINA UNIVERSITY OF TECHNOLOGY	890	8407	9.45	8	702
55	ZHEJIANG UNIVERSITY OF TECHNOLOGY	656	8072	12.30	15	718
56	INSTITUTE OF ZOOLOGY, CAS	514	7534	14.66	8	742
57	STATE OCEANIC ADMINISTRATION	846	7381	8.72	7	748
58	CHINESE CENTER FOR DISEASE CONTROL & PREVENTION	665	7287	10.96	6	758
59	TIANJIN UNIVERSITY	1005	7133	7.10	16	770
60	CHINESE ACADEMY OF FORESTRY	678	7063	10.42	10	776
61	CHINA UNIVERSITY OF MINING & TECHNOLOGY	1136	7058	6.21	10	777
62	INSTITUTE OF EARTH ENVIRONMENT, CAS	538	6979	12.97	11	785
63	INSTITUTE OF SOIL & WATER CONSERVATION (ISWC), CAS	669	6631	9.91	7	811
64	SOUTH CHINA SEA INSTITUTE OF OCEANOLOGY, CAS	561	6630	11.82	3	813
65	SICHUAN UNIVERSITY	1085	6455	5.95	6	828
66	CHONGQING UNIVERSITY	842	6410	7.61	17	832
67	SHANGHAI UNIVERSITY	508	6095	12.00	10	851
68	INSTITUTE OF OCEANOLOGY, CAS	864	5940	6.88	2	868
69	NANJING NORMAL UNIVERSITY	722	5852	8.11	6	882
70	NORTHEAST INSTITUTE OF GEOGRAPHY & AGROECOLOGY, CAS	769	5751	7.48	3	888
71	INSTITUTE OF MOUNTAIN HAZARDS & ENVIRONMENT, CAS	687	5643	8.21	2	900

72	CHINA METEOROLOGICAL ADMINISTRATION	487	5620	11.54	7	903
73	GUANGDONG UNIVERSITY OF TECHNOLOGY	368	5612	15.25	11	905
74	WUHAN BOTANICAL GARDEN, CAS	352	5611	15.94	9	906
75	BEIJING UNIVERSITY OF TECHNOLOGY	471	5360	11.38	8	929
76	CHINA INSTITUTE OF WATER RESOURCES & HYDROPOWER RESEARCH	805	5288	6.57	5	941
77	NORTHEAST NORMAL UNIVERSITY - CHINA	569	5238	9.21	6	946
78	ZHEJIANG A&F UNIVERSITY	327	5007	15.31	15	976
79	CHINESE ACADEMY OF FISHERY SCIENCES	692	4803	6.94	6	1000
80	XI'AN JIAOTONG UNIVERSITY	552	4793	8.68	5	1001
81	SOUTHEAST UNIVERSITY - CHINA	770	4792	6.22	4	1002
82	KUNMING INSTITUTE OF BOTANY, CAS	350	4737	13.53	4	1008
83	JILIN UNIVERSITY	831	4733	5.70	4	1009
84	SOUTH CHINA AGRICULTURAL UNIVERSITY	613	4696	7.66	3	1020
85	INSTITUTE OF AGRICULTURAL RESOURCES & REGIONAL PLANNING (IARRP)	357	4495	12.59	6	1053

表 14 长安大学环境/生态科学论文情况 (2009-2019)

机构名称	Web of Science 论文数	总被引次数	ESI 环境/生态科学 本期机构被引阈值
长安大学	574	4, 263	4, 437
VILLANOVA UNIVERSITY	174	4, 437	

三. 陕西省内高校 ESI 全球前 1% 学科对比分析

将陕西省内有进入 ESI 全球前 1% 学科的高校进行了对比分析。表 15 列出了

陕西省内高校进入 ESI 全球前 1%的学科名称、个数、WOS 发文量和被引频次，从中可以看出，全省有 13 所高校拥有 ESI 排名前 1%学科，其中最多的为西安交通大学，有 15 个学科。长安大学仅有 2 个学科进入 ESI 排名前，在发文数量、被引频次等与排名前列高校还存在一定的差距，仍然需要全校师生的努力，以实现更多优势学科的突破发展。

长安大学图书馆

表 15 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	48, 104	526, 916	15	ENGINEERING	307/6415
					MATERIALS SCIENCE	
					CHEMISTRY	
					CLINICAL MEDICINE	
					PHYSICS	
					MOLECULAR BIOLOGY & GENETICS	
					GEOSCIENCES	
					COMPUTER SCIENCE	
					BIOLOGY & BIOCHEMISTRY	
					PHARMACOLOGY & TOXICOLOGY	
					NEUROSCIENCE & BEHAVIOR	
					MATHEMATICS	
					ENVIRONMENT/ECOLOGY	

					ECONOMICS & BUSINESS	
					SOCIAL SCIENCES, GENERAL	
2	西北工业大学	23, 697	203, 857	5	MATERIALS SCIENCE	759/6415
					ENGINEERING	
					CHEMISTRY	
					PHYSICS	
					COMPUTER SCIENCE	
					CLINICAL MEDICINE	
3	第四军医大学	12, 451	181, 916	6	MOLECULAR BIOLOGY & GENETICS	
					NEUROSCIENCE & BEHAVIOR	
					BIOLOGY & BIOCHEMISTRY	
					PHARMACOLOGY & TOXICOLOGY	
					MATERIALS SCIENCE	
4	西北农林科技大学	16, 868	169, 739	8	AGRICULTURAL SCIENCES	881/6415
					PLANT & ANIMAL SCIENCE	
					ENVIRONMENT/ECOLOGY	

					CHEMISTRY	
					MOLECULAR BIOLOGY & GENETICS	
					BIOLOGY & BIOCHEMISTRY	
					ENGINEERING	
					PHARMACOLOGY & TOXICOLOGY	
5	西北大学	10, 767	123, 320	5	CHEMISTRY	1133/6415
					GEOSCIENCES	
					MATERIALS SCIENCE	
					ENGINEERING	
					CLINICAL MEDICINE	
6	西安电子科技大学	16, 615	118, 446	3	ENGINEERING	1167/6415
					COMPUTER SCIENCE	
					GEOSCIENCES	
7	陕西师范大学	9, 606	93, 710	4	CHEMISTRY	1375/6415
					MATERIALS SCIENCE	

					AGRICULTURAL SCIENCES	
					ENGINEERING	
8	长安大学	5, 453	33, 864	2	ENGINEERING	2747/6415
					GEOSCIENCES	
9	西安理工大学	4, 908	27, 756	2	MATERIALS SCIENCE	3086/6415
					ENGINEERING	
10	陕西科技大学	3, 572	27, 074	2	MATERIALS SCIENCE	3131/6415
					CHEMISTRY	
11	西安建筑科技大学	3, 489	25, 014	1	ENGINEERING	3269/6415
12	空军工程大学	2, 733	14, 021	1	ENGINEERING	4283/6415
13	西安医学院	1, 813	13, 226	1	CLINICAL MEDICINE	4275/6415

长安大学一级学科与 ESI 学科的对照:

ESI 是按照 SCI/SSCI 的期刊属性来对学科进行分类, 这种分类体系和我校的学科设置不能完全匹配, 因此我校如果要在相关学科进入全球前 1%, 全校各个学科的师生都需要在该学科领域做出贡献。

表 16 ESI 学科与我校的学科对照表

ESI 学科	对应的我校一级学科	对应的学院
工程学	交通运输工程	公路学院
	材料科学与工程	材料科学与工程学院
	测绘科学与技术	地质工程与测绘学院
	环境科学与工程	水利与环境学院
	水利工程	水利与环境学院
	土木工程	建筑工程学院
	机械工程	汽车学院
地球科学	地质学	地质工程与测绘学院
		地球科学与资源学院
材料科学	材料科学与工程	材料科学与工程学院
		电子与控制工程学院
社会科学	管理科学与工程	经济与管理学院
	地理学	地质工程与测绘工程学院

经济与商业	经济学	经济与管理学院
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注：表格中所有统计数据截止到 2020 年 1 月 9 日。

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