

# 兰州理工大学 ESI 统计报告

(2023 年 3 月)

兰州理工大学图书馆

2023 年 3 月

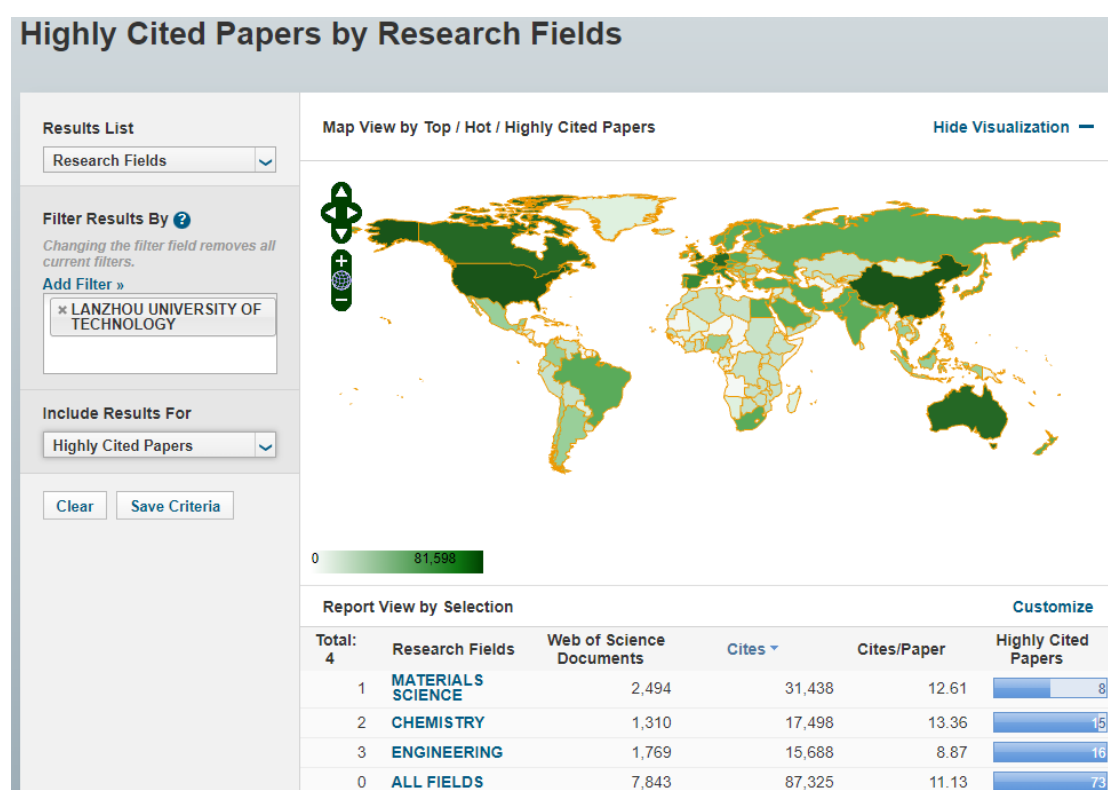
## 一、兰州理工大学 ESI 学科最新数据

据检索科睿唯安基本科学指标数据库 ESI (Essential Science Indicators, 2023 年 3 月更新数据), 结果显示, 兰州理工大学共有 3 个学科进入 ESI 世界前 1% 排名, 分别为工程学(Engineering)、材料科学(Materials Science)、化学(Chemistry)。

工程学近十年(2012 年 1 月 1 日-2022 年 12 月 31 日)一共发表 1769 篇 ESI 论文, 总被引频次 15688 次, 有 16 篇高被引论文, 1 篇热点论文。按照被引次数世界排名第 751 名, 共有 2189 所机构的工程学学科进入 ESI 学科世界排名前 1%。

材料科学近十年(2012 年 1 月 1 日-2022 年 12 月 31 日)一共发表 2494 篇 ESI 论文, 总被引频次 31438 次, 有 8 篇高被引论文。按照被引次数世界排名第 457 名, 共有 1260 所机构的材料科学学科进入 ESI 学科世界排名前 1%。

化学近十年(2012 年 1 月 1 日-2022 年 12 月 31 日)一共发表 1310 篇 ESI 论文, 总被引频次 17498 次, 有 15 篇高被引论文, 9 篇热点论文。按照被引次数世界排名第 1071 名, 共有 1749 所机构的化学学科进入 ESI 学科世界排名前 1%。



ESI 数据库 2023 年 3 月截图

## 二、高被引论文及热点论文

### 1、高被引论文

序号	文章标题	作者	来源出版物	所属学科	被引次数	地址	出版年
1	HUMAN HEALTH RISK ASSESSMENT OF ANTIBIOTIC RESISTANCE ASSOCIATED WITH ANTIBIOTIC RESIDUES IN THE ENVIRONMENT: A REVIEW	BEN, YJ;FU, CX;HU, M;LIU, L;WONG, MH;ZHENG, CM	ENVIRONMENTAL RESEARCH 169: 483-493 FEB 2019	ENVIRONMENT/ ECOLOGY	370	SOUTHERN UNIV SCI & TECHNOL, SCH ENVIRONM SCI & ENGN, GUANGDONG PROV KEY LAB SOIL & GROUNDWATER POLLUT, SHENZHEN 518055, PEOPLES R CHINA;UNIV CHINESE ACAD SCI, COLL RESOURCES & ENVIRONM, BEIJING 100190, PEOPLES R CHINA;SOUTHERN UNIV SCI & TECHNOL, SCH ENVIRONM SCI & ENGN, STATE ENVIRONM PROTECT KEY LAB INTEGRATED SURFACE, SHENZHEN 518055, PEOPLES R CHINA;LANZHOU UNIV TECHNOL, SCH CIVIL ENGN, LANZHOU 730050, GANSU, PEOPLES R CHINA;UNIV HONG KONG, ENVIRONM BIOTECHNOL LAB, HONG KONG, PEOPLES R CHINA;EDUC UNIV HONG KONG, DEPT SCI & ENVIRONM STUDIES, CHEER, TAI PO, HONG KONG, PEOPLES R CHINA	2019
2	PROMISING ACTIVATED CARBONS DERIVED FROM WASTE TEA-LEAVES AND THEIR APPLICATION IN HIGH PERFORMANCE SUPERCAPACITORS ELECTRODES	PENG, C;YAN, XB;WANG, RT;LANG, JW;OU, YJ;XUE, QJ	ELECTROCHIMICA ACTA 87: 401-408 JAN 1 2013	CHEMISTRY	352	CHINESE ACAD SCI, LANZHOU INST CHEM PHYS, LAB CLEAN ENERGY CHEM & MAT, LANZHOU 730000, PEOPLES R CHINA;CHINESE ACAD SCI, LANZHOU INST CHEM PHYS, STATE KEY LAB SOLID LUBRICAT, LANZHOU 730000, PEOPLES R CHINA;LANZHOU UNIV TECHNOL, SCH PETROCHEM ENGN, LANZHOU 730050, PEOPLES R CHINA	2013

3	MODEL OF ELECTRICAL ACTIVITY IN A NEURON UNDER MAGNETIC FLOW EFFECT	LV, M;WANG, CN;REN, GD;MA, J;SONG, XL	NONLINEAR DYNAMICS 85 (3): 1479-1490 AUG 2016	ENGINEERING	302	LANZHOU UNIV TECHNOL, DEPT PHYS, LANZHOU 730050, PEOPLES R CHINA	2016
4	IMPACT OF METEOROLOGICAL FACTORS ON THE COVID-19 TRANSMISSION: A MULTI-CITY STUDY IN CHINA	LIU, JT;ZHOU, J;YAO, JX;ZHANG, XX;LI, LY;XU, XC;HE, XT;WANG, B;FU, SH;NIU, TT;YAN, J;SHI, YJ;REN, XW;NIU, JP;ZHU, WH;LI, S;LUO, B;ZHANG, K	SCIENCE OF THE TOTAL ENVIRONMENT 726: - JUL 15 2020	ENVIRONMENT/ ECOLOGY	268	LANZHOU UNIV, SCH PUBL HLTH, INST OCCUPAT HLTH & ENVIRONM HLTH, LANZHOU 730000, GANSU, PEOPLES R CHINA;SHANGHAI METEOROL BUR, SHANGHAI KEY LAB METEOROL & HLTH, SHANGHAI 200030, PEOPLES R CHINA;GANSU PROV CTR DIS PREVENT & CONTROL, LANZHOU 730000, GANSU, PEOPLES R CHINA;LANZHOU UNIV TECHNOL, COLL RESOURCES & ENVIRONM SCI, LANZHOU 730000, GANSU, PEOPLES R CHINA;LANZHOU UNIV, HOSP 1, DEPT GEN SURG, LANZHOU 730000, GANSU, PEOPLES R CHINA;LANZHOU UNIV, SCH PUBL HLTH, INST EPIDEMIOLOG & STAT, LANZHOU 730000, GANSU, PEOPLES R CHINA;HEBEI METEOROL BUR, HEBEI CLIMATE CTR, SHIJIAZHUANG 050021, HEBEI, PEOPLES R CHINA;CUNY, DEPT EPIDEMIOLOG & BIostat, SCH PUBL HLTH, NEW YORK, NY 10026 USA;CHINA METEOROL ADM, SHANGHAI TYPHOON INST, SHANGHAI 200030, PEOPLES R CHINA;UNIV TEXAS HLTH SCI CTR HOUSTON, SCH PUBL HLTH, DEPT EPIDEMIOLOG HUMAN GENET & ENVIRONM SCI, HOUSTON, TX 77030 USA;UNIV TEXAS HLTH SCI CTR HOUSTON, SOUTHWEST CTR OCCUPAT & ENVIRONM HLTH, SCH PUBL HLTH, HOUSTON, TX 77030 USA	2020

5	SUPERWETTING MONOLITHIC HOLLOW-CARBON-NANOTUBES AEROGELS WITH HIERARCHICALLY NANOPOROUS STRUCTURE FOR EFFICIENT SOLAR STEAM GENERATION	MU, P;ZHANG, Z;BAI, W;HE, JX;SUN, HX;ZHU, ZQ;LIANG, WD;LI, A	ADVANCED ENERGY MATERIALS 9 (1): - JAN 3 2019	MATERIALS SCIENCE	260	LANZHOU UNIV TECHNOL, COLL PETROCHEM ENGN, DEPT CHEM ENGN, LANZHOU 730050, GANSU, PEOPLES R CHINA	2019
6	A REVIEW FOR DYNAMICS IN NEURON AND NEURONAL NETWORK	MA, J;TANG, J	NONLINEAR DYNAMICS 89 (3): 1569-1578 AUG 2017	ENGINEERING	259	LANZHOU UNIV TECHNOL, DEPT PHYS, LANZHOU 730050, GANSU, PEOPLES R CHINA;CHONGQING UNIV POSTS & TELECOMMUN, SCH SCI, CHONGQING 430065, PEOPLES R CHINA;KING ABDULAZIZ UNIV, NAAM RES GRP, DEPT MATH, FAC SCI, POB 80203, JEDDAH 21589, SAUDI ARABIA;CHINA UNIV MIN & TECHNOL, DEPT PHYS, XUZHOU 221116, PEOPLES R CHINA	2017
7	MULTIPLE MODES OF ELECTRICAL ACTIVITIES IN A NEW NEURON MODEL UNDER ELECTROMAGNETIC RADIATION	LV, M;MA, J	NEUROCOMPUTING 205: 375-381 SEP 12 2016	COMPUTER SCIENCE	210	LANZHOU UNIV TECHNOL, DEPT PHYS, LANZHOU 730050, PEOPLES R CHINA	2016

8	SAFE AND HIGH-RATE SUPERCAPACITORS BASED ON AN ACETONITRILE/WATER IN SALT HYBRID ELECTROLYTE	DOU, QY;LEI, SL;WANG, DW;ZHANG, QN;XIAO, DW;GUO, HW;WANG, AP;YANG, H;LI, YL;SHI, SQ;YAN, XB	ENERGY & ENVIRONMENTAL SCIENCE 11 (11): 3212-3219 NOV 2018	ENVIRONMENT/ ECOLOGY	204	CHINESE ACAD SCI, LANZHOU INST CHEM PHYS, LAB CLEAN ENERGY CHEM & MAT, STATE KEY LAB SOLID LUBRICAT, LANZHOU 730000, GANSU, PEOPLES R CHINA;UNIV CHINESE ACAD SCI, BEIJING 100039, PEOPLES R CHINA;UNIV NEW SOUTH WALES, SCH CHEM ENGN, SYDNEY, NSW 2052, AUSTRALIA;ANHUI UNIV TECHNOL, SCH MAT SCI & ENGN, MAANSHAN 243000, PEOPLES R CHINA;LANZHOU UNIV TECHNOL, SCH PETROCHEM ENGN, DEPT CHEM ENGN & TECHNOL, LANZHOU 730050, GANSU, PEOPLES R CHINA;SHANGHAI UNIV, SCH MAT SCI & ENGN, SHANGHAI 200444, PEOPLES R CHINA;SHANGHAI UNIV, MAT GENOME INST, SHANGHAI 200444, PEOPLES R CHINA;INT CTR QUANTUM & MOL STRUCT, DEPT PHYS, SHANGHAI 200444, PEOPLES R CHINA;SHANGHAI KEY LAB HIGH TEMP SUPERCONDUCTORS, SHANGHAI 200444, PEOPLES R CHINA	2018
9	UNMASKING CHLORIDE ATTACK ON THE PASSIVE FILM OF METALS	ZHANG, B;WANG, J;WU, B;GUO, XW;WANG, YJ;CHEN, D;ZHANG, YC;DU, K;OGUZIE, EE;MA, XL	NATURE COMMUNICATIONS 9: - JUL 2 2018	CHEMISTRY	201	CHINESE ACAD SCI, INST MET RES, SHENYANG NATL LAB MAT SCI, WENHUA RD 72, SHENYANG 110016, LIAONING, PEOPLES R CHINA;FED UNIV TECHNOL OWERRI, ELECTROCHEM & MAT SCI RES LAB, DEPT CHEM, OWERRI 1526, NIGERIA;LANZHOU UNIV TECHNOL, STATE KEY LAB ADV PROC & RECYCLING NONFERROUS MET, LANZHOU 730050, GANSU, PEOPLES R CHINA	2018
10	A REVIEW FOR DYNAMICS OF COLLECTIVE BEHAVIORS OF NETWORK OF NEURONS	MA, J;TANG, J	SCIENCE CHINA-TECHNOLOGICAL SCIENCES 58 (12): 2038-2045 DEC 2015	ENGINEERING	184	LANZHOU UNIV TECHNOL, DEPT PHYS, LANZHOU 730050, PEOPLES R CHINA;LANZHOU UNIV TECHNOL, DEPT PHYS, LANZHOU 730050, PEOPLES R CHINA;CHINA UNIV MIN & TECHNOL, COLL SCI, XUZHOU 221116, PEOPLES R CHINA	2015

11	A LOW-COST WATER-IN-SALT ELECTROLYTE FOR A 2.3 V HIGH-RATE CARBON-BASED SUPERCAPACITOR	BU, XD;SU, LJ;DOU, QY;LEI, SL;YAN, XB	JOURNAL OF MATERIALS CHEMISTRY A 7 (13): 7541-7547 APR 7 2019	MATERIALS SCIENCE	178	CHINESE ACAD SCI, LANZHOU INST CHEM PHYS, STATE KEY LAB SOLID LUBRICAT, LAB CLEAN ENERGY CHEM & MAT, LANZHOU 730000, GANSU, PEOPLES R CHINA;UNIV CHINESE ACAD SCI, CTR MAT SCI & OPTOELECT ENGN, BEIJING 100039, PEOPLES R CHINA;DALIAN NATL LAB CLEAN ENERGY, DALIAN 116023, PEOPLES R CHINA;LANZHOU UNIV TECHNOL, SCH MAT SCI & ENGN, LANZHOU 730050, GANSU, PEOPLES R CHINA	2019
12	BROADBAND SOLAR ENERGY ABSORBER BASED ON MONOLAYER MOLYBDENUM DISULFIDE USING TUNGSTEN ELLIPTICAL ARRAYS	LI, JK;CHEN, XF;YI, Z;YANG, H;TANG, YJ;YI, Y;YAO, WT;WANG, JQ;YI, YG	MATERIALS TODAY ENERGY 16: - JUN 2020	MATERIALS SCIENCE	142	SOUTHWEST UNIV SCI & TECHNOL, JOINT LAB EXTREME CONDIT MATTER PROPERTIES, MIANYANG 621010, SICHUAN, PEOPLES R CHINA;LANZHOU UNIV TECHNOL, STATE KEY LAB ADV PROC & RECYCLING NONFERROUS MET, LANZHOU 730050, PEOPLES R CHINA;SICHUAN CIVIL MIL INTEGRAT INST, MIANYANG 621010, SICHUAN, PEOPLES R CHINA;ZHENGZHOU UNIV, SCH PHYS & ENGN, ZHENGZHOU 450001, PEOPLES R CHINA;ZHENGZHOU UNIV, KEY LAB MAT PHYS, MINIST EDUC CHINA, ZHENGZHOU 450001, PEOPLES R CHINA;CENT SOUTH UNIV, COLL PHYS & ELECT, CHANGSHA 410083, PEOPLES R CHINA	2020
13	PHASE SYNCHRONIZATION BETWEEN TWO NEURONS INDUCED BY COUPLING OF ELECTROMAGNETIC FIELD	MA, J;MI, L;ZHOU, P;XU, Y;HAYAT, T	APPLIED MATHEMATICS AND COMPUTATION 307: 321-328 AUG 15 2017	MATHEMATICS	135	LANZHOU UNIV TECHNOL, DEPT PHYS, LANZHOU 730050, PEOPLES R CHINA;CHONGQING UNIV POSTS & TELECOMMUN, SCH SCI, CHONGQING 430065, PEOPLES R CHINA;KING ABDULAZIZ UNIV, FAC SCI, DEPT MATH, NAAM RES GRP, POB 80203, JEDDAH 21589, SAUDI ARABIA;QUAID I AZAM UNIV, DEPT MATH, ISLAMABAD 44000, PAKISTAN	2017

14	MULTI-MODE SURFACE PLASMON RESONANCE ABSORBER BASED ON DART-TYPE SINGLE-LAYER GRAPHENE	CHEN, H;CHEN, ZH;YANG, H;WEN, LH;YI, Z;ZHOU, ZG;DAI, B;ZHANG, JG;WU, XW;WU, PH	RSC ADVANCES 12 (13): 7821-7829 MAR 8 2022	CHEMISTRY	130	SOUTHWEST UNIV SCI & TECHNOL, SCH SCI, STATE KEY LAB ENVIRONM FRIENDLY ENERGY MAT, MIANYANG 621010, SICHUAN, PEOPLES R CHINA;LANZHOU UNIV TECHNOL, STATE KEY LAB ADV PROC & RECYCLING NONFERROUS MET, LANZHOU 730050, PEOPLES R CHINA;YIBIN UNIV, DIV INTELLIGENT MANUFACTUNING, YIBIN 644600, PEOPLES R CHINA;JINZHONG UNIV, DEPT PHYS, JINZHONG 030619, PEOPLES R CHINA;JISHOU UNIV, SCH CHEM & CHEM ENGN, JISHOU 416000, PEOPLES R CHINA;QUANZHOU NORMAL UNIV, FUJIAN PROV KEY LAB ADV MICRONANO PHOTON TECHNOL, QUANZHOU 362000, PEOPLES R CHINA	2022
15	ULTRA-BROADBAND AND WIDE-ANGLE PERFECT SOLAR ABSORBER BASED ON TIN NANODISK AND TI THIN FILM STRUCTURE	QIN, F;CHEN, XF;YI, Z;YAO, WT;YANG, H;TANG, YJ;YI, Y;LI, HL;YI, YG	SOLAR ENERGY MATERIALS AND SOLAR CELLS 211: - JUL 1 2020	MATERIALS SCIENCE	125	SOUTHWEST UNIV SCI & TECHNOL, JOINT LAB EXTREME CONDIT MATTER PROPERTIES, MIANYANG 621010, SICHUAN, PEOPLES R CHINA;LANZHOU UNIV TECHNOL, STATE KEY LAB ADV PROC & RECYCLING NONFERROUS MET, LANZHOU 730050, PEOPLES R CHINA;SICHUAN CIVIL MIL INTEGRAT INST, MIANYANG 621010, SICHUAN, PEOPLES R CHINA;CHINESE ACAD SCI, INST MICROELECT, KEY LAB MICROELECT DEVICES & INTEGRATED TECHNOL, BEIJING 100029, PEOPLES R CHINA;CENT SOUTH UNIV, COLL PHYS & ELECT, CHANGSHA 410083, PEOPLES R CHINA	2020



16	FACILE PREPARATION OF LOESS-COATED MEMBRANES FOR MULTIFUNCTIONAL SURFACTANT-STABILIZED OIL-IN-WATER EMULSION SEPARATION ELECTRONIC SUPPLEMENTARY INFORMATION (ESI) AVAILABLE: ADDITIONAL FIGURES AND MOVIES. SEE DOI: 10.1039/C9GC00747D	WANG, XY;LI, MJ;SHEN, YQ;YANG, YX;FENG, H;LI, J	GREEN CHEMISTRY 21 (11): 3190-3199 JUN 7 2019	CHEMISTRY	124	NORTHWEST NORMAL UNIV, COLL CHEM & CHEM ENGN, RES CTR GANSU MIL & CIVILIAN INTEGRAT ADV STRUCT, LANZHOU 730070, PEOPLES R CHINA;LANZHOU UNIV TECHNOL, SCH MAT SCI & ENGN, STATE KEY LAB ADV PROC & RECYCLING NONFERROUS MET, KEY LAB NONFERROUS MET ALLOYS & PROC,MINIST EDUC, LANZHOU 730050, GANSU, PEOPLES R CHINA	2019
17	ULTRA-WIDEBAND SOLAR ABSORBER BASED ON REFRACTORY TITANIUM METAL	YU, PQ;YANG, H;CHEN, XF;YI, Z;YAO, WT;CHEN, JF;YI, YG;WU, PH	RENEWABLE ENERGY 158: 227-235 OCT 2020	ENGINEERING	124	SOUTHWEST UNIV SCI & TECHNOL, JOINT LAB EXTREME CONDIT MATTER PROPERTIES, MIANYANG 621010, SICHUAN, PEOPLES R CHINA;LANZHOU UNIV TECHNOL, STATE KEY LAB ADV PROC & RECYCLING NONFERROUS MET, LANZHOU 730050, PEOPLES R CHINA;CENT SOUTH UNIV, COLL PHYS & ELECT, CHANGSHA 410083, PEOPLES R CHINA;QUANZHOU NORMAL UNIV, RES CTR PHOTON TECHNOL, KEY LAB INFORMAT FUNCT MAT FUJIAN HIGHER EDUC, QUANZHOU 362000, FUJIAN, PEOPLES R CHINA	2020
18	A SHORT REVIEW ON HETEROJUNCTION PHOTOCATALYSTS: CARRIER TRANSFER BEHAVIOR AND PHOTOCATALYTIC MECHANISMS	YANG, H	MATERIALS RESEARCH BULLETIN 142: - OCT 2021	MATERIALS SCIENCE	109	LANZHOU UNIV TECHNOL, STATE KEY LAB ADV PROC & RECYCLING NONFERROUS MET, LANZHOU 730050, PEOPLES R CHINA	2021
19	FABRICATION OF BILAYERED ATTAPULGITE FOR SOLAR STEAM GENERATION WITH HIGH CONVERSION EFFICIENCY	JIA, J;LIANG, WD;SUN, HX;ZHU, ZQ;WANG, CJ;LI, A	CHEMICAL ENGINEERING JOURNAL 361: 999-1006 APR 1 2019	ENGINEERING	108	LANZHOU UNIV TECHNOL, COLL PETROCHEM TECHNOL, LANGONGPING RD 287, LANZHOU 730050, GANSU, PEOPLES R CHINA	2019

20	PREPARATION OF CORE-SHELL HETEROJUNCTION PHOTOCATALYSTS BY COATING CDS NANOPARTICLES ONTO BI4TI3O12 HIERARCHICAL MICROSPHERES AND THEIR PHOTOCATALYTIC REMOVAL OF ORGANIC POLLUTANTS AND CR(VI) IONS	CHENG, TT;GAO, HJ;LIU, GR;PU, ZS;WANG, SF;YI, Z;WU, XW;YANG, H	COLLOIDS AND SURFACES A-PHYSCOCHEMICAL AND ENGINEERING ASPECTS 633: - PART 2 JAN 20 2022	CHEMISTRY	107	LANZHOU UNIV TECHNOL, SCH SCI, LANZHOU 730050, PEOPLES R CHINA;CHONGQING THREE GORGES UNIV, SCH ELECT & INFORMAT ENGN, WANZHOU 404000, PEOPLES R CHINA;SOUTHWEST UNIV SCI & TECHNOL, JOINT LAB EXTREME CONDIT MATTER PROPERTIES, MIANYANG 621010, SICHUAN, PEOPLES R CHINA;JISHOU UNIV, SCH CHEM & CHEM ENGN, JISHOU 416000, PEOPLES R CHINA	2022
21	A THEORETICAL STUDY OF A PLASMONIC SENSOR COMPRISING A GOLD NANO-DISK ARRAY ON GOLD FILM WITH A SIO2 SPACER	WANG, XX;ZHU, JK;TONG, H;YANG, XD;WU, XX;PANG, ZY;YANG, H;QI, YP	CHINESE PHYSICS B 28 (4): - APR 2019	PHYSICS	106	LANZHOU UNIV TECHNOL, SCH SCI, LANZHOU 730050, GANSU, PEOPLES R CHINA;NORTHWEST NORMAL UNIV, COLL PHYS & ELECT ENGN, LANZHOU 730070, GANSU, PEOPLES R CHINA	2019
22	THE ELECTRICAL ACTIVITY OF NEURONS SUBJECT TO ELECTROMAGNETIC INDUCTION AND GAUSSIAN WHITE NOISE	WANG, Y;MA, J;XU, Y;WU, FQ;ZHOU, P	INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS 27 (2): - FEB 2017	MATHEMATICS	102	LANZHOU UNIV TECHNOL, DEPT PHYS, LANZHOU 730050, PEOPLES R CHINA;CHONGQING UNIV POSTS & TELECOMMUN, SCH SCI, CHONGQING 430065, PEOPLES R CHINA;KING ABDULAZIZ UNIV, FAC SCI, DEPT MATH, NAAM RES GRP, POB 80203, JEDDAH 21589, SAUDI ARABIA	2017

23	A DUAL-BAND METAMATERIAL ABSORBER FOR GRAPHENE SURFACE PLASMON RESONANCE AT TERAHERTZ FREQUENCY	CEN, CL;ZHANG, YB;CHEN, XF;YANG, H;YI, Z;YAO, WT;TANG, YJ;YI, YE;WANG, JQ;WU, PH	PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES 117: - SP. ISS. SI MAR 2020	PHYSICS	99	SOUTHWEST UNIV SCI & TECHNOL, JOINT LAB EXTREME CONDIT MATTER PROPERTIES, MIANYANG 621010, SICHUAN, PEOPLES R CHINA;LANZHOU UNIV TECHNOL, STATE KEY LAB ADV PROC & RECYCLING NONFERROUS MET, LANZHOU 730050, GANSU, PEOPLES R CHINA;SICHUAN CIVIL MIL INTEGRAT INST, MIANYANG 621010, SICHUAN, PEOPLES R CHINA;CENT SOUTH UNIV, COLL PHYS & ELECT, CHANGSHA 410083, HUNAN, PEOPLES R CHINA;ZHENGZHOU UNIV, SCH PHYS & ENGN, MINIST EDUC CHINA, ZHENGZHOU 450001, HENAN, PEOPLES R CHINA;ZHENGZHOU UNIV, KEY LAB MAT PHYS, MINIST EDUC CHINA, ZHENGZHOU 450001, HENAN, PEOPLES R CHINA;QUANZHOU NORMAL UNIV, PHOTON TECHNOL RES & DEV CTR, KEY LAB INFORMAT FUNCT MAT FUJIAN HIGHER EDUC, QUANZHOU 362000, FUJIAN, PEOPLES R CHINA	2020
24	THE DEVIL IS IN THE CHANNELS: MUTUAL-CHANNEL LOSS FOR FINE-GRAINED IMAGE CLASSIFICATION	CHANG, DL;DING, YF;XIE, JY;BHUNIA, AK;LI, XX;MA, Z;WU, M;GUO, J;SONG, YZ	IEEE TRANSACTIONS ON IMAGE PROCESSING 29: 4683-4695 2020	ENGINEERING	97	BEIJING UNIV POSTS & TELECOMMUN, SCH ARTIFICIAL INTELLIGENCE, PATTERN RECOGNIT & INTELLIGENT SYST LAB, BEIJING 100876, PEOPLES R CHINA;UNIV SURREY, CTR VIS SPEECH & SIGNAL PROC, GUILDFORD GU2 7XH, SURREY, ENGLAND;LANZHOU UNIV TECHNOL, SCH COMP & COMMUN, LANZHOU 730050, PEOPLES R CHINA	2020
25	A PHYSICAL VIEW OF COMPUTATIONAL NEURODYNAMICS	MA, J;YANG, ZQ;YANG, LJ;TANG, J	JOURNAL OF ZHEJIANG UNIVERSITY-SCIENCE A 20 (9): 639-659 SEP 2019	ENGINEERING	95	LANZHOU UNIV TECHNOL, DEPT PHYS, LANZHOU 730050, GANSU, PEOPLES R CHINA;BEIHANG UNIV, SCH MATH & SYST SCI, BEIJING 100191, PEOPLES R CHINA;CENT CHINA NORMAL UNIV, DEPT PHYS, WUHAN 430079, HUBEI, PEOPLES R CHINA;CHINA UNIV MIN & TECHNOL, SCH PHYS, XUZHOU 221116, JIANGSU, PEOPLES R CHINA	2019

26	AN ENSEMBLE DISCRETE DIFFERENTIAL EVOLUTION FOR THE DISTRIBUTED BLOCKING FLOWSHOP SCHEDULING WITH MINIMIZING MAKESPAN CRITERION	ZHAO, FQ;ZHAO, LX;WANG, L;SONG, HB	EXPERT SYSTEMS WITH APPLICATIONS 160: - DEC 1 2020	ENGINEERING	94	LANZHOU UNIV TECHNOL, SCH COMP & COMMUN TECHNOL, LANZHOU 730050, PEOPLES R CHINA;TSINGHUA UNIV, DEPT AUTOMAT, BEIJING 10084, PEOPLES R CHINA	2020
27	A CLASS OF INITIALS-DEPENDENT DYNAMICAL SYSTEMS	MA, J;WU, FQ;REN, GD;TANG, J	APPLIED MATHEMATICS AND COMPUTATION 298: 65-76 APR 1 2017	MATHEMATICS	94	CHONGQING UNIV POSTS & TELECOMMUN, SCH SCI, CHONGQING 430065, PEOPLES R CHINA;LANZHOU UNIV TECHNOL, DEPT PHYS, LANGONGPING 287, LANZHOU 730050, GANSU, PEOPLES R CHINA;CHINA UNIV MIN & TECHNOL, DEPT PHYS, XUZHOU 221116, PEOPLES R CHINA	2017

28	ISOLATED COPPER SINGLE SITES FOR HIGH-PERFORMANCE ELECTROREDUCTION OF CARBON MONOXIDE TO MULTICARBON PRODUCTS	BAO, HH;QIU, Y;PENG, XY;WANG, JA;MI, YY;ZHAO, SZ;LIU, XJ;LIU, YF;CAO, R;ZHUO, LC;REN, JQ;SUN, JQ;LUO, J;SUN, XP	NATURE COMMUNICATIONS 12 (1): - JAN 11 2021	CHEMISTRY	94 TIANJIN UNIV TECHNOL, INST NEW ENERGY MAT & LOW CARBON TECHNOL, SCH MAT SCI & ENGN, TIANJIN 300384, PEOPLES R CHINA;TIANJIN UNIV TECHNOL, TIANJIN KEY LAB PHOTOELECT MAT & DEVICES, SCH MAT SCI & ENGN, TIANJIN 300384, PEOPLES R CHINA;UNIV JINAN, SCH MAT SCI & ENGN, JINAN 250022, PEOPLES R CHINA;UNIV SCI & TECHNOL BEIJING, DEPT ENVIRONM ENGN, BEIJING 100083, PEOPLES R CHINA;CIVIL AVIAT UNIV CHINA, KEY LAB CIVIL AVIAT THERMAL HAZARDS PREVENT & EME, TIANJIN 300300, PEOPLES R CHINA;SHENZHEN UNIV, COLL PHYS & OPTOELECT ENGN, SHENZHEN 518060, PEOPLES R CHINA;SLAC NATL ACCELERATOR LAB, STANFORD SYNCHROTRON RADIAT LIGHTSOURCE, MENLO PK, CA 94025 USA;XIAN UNIV TECHNOL, SCH MAT SCI & ENGN, XIAN 710048, SHANXI, PEOPLES R CHINA;LANZHOU UNIV TECHNOL, STATE KEY LAB ADV PROC & RECYCLING NONFERROUS MET, LANZHOU 730050, GANSU, PEOPLES R CHINA;CHINESE ACAD SCI, INST COAL CHEM, STATE KEY LAB COAL CONVERS, TAIYUAN 030001, SHANXI, PEOPLES R CHINA;UNIV ELECT SCI & TECHNOL CHINA, INST FUNDAMENTAL & FRONTIER SCI, CHENGDU 610054, SICHUAN, PEOPLES R CHINA	2021
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29	ELECTRON-ION COLLIDER IN CHINA	<p>ANDERLE,  DP;BERTONE, V;CAO,  X;CHANG, L;CHANG,  NB;CHEN, G;CHEN,  XR;CHEN, ZJ;CUI,  ZF;DAI, LY;DENG,  WT;DING, MH;FENG,  X;GONG, C;GUI,  LC;GUO, FK;HAN,  CD;HE, J;HOU,  TJ;HUANG,  HX;HUANG,  Y;KUMERICKI,  K;KAPTARI, LP;LI,  DM;LI, HN;LI, MX;LI,  XQ;LIANG, YT;LIANG,  ZT;LIU, C;LIU, C;LIU,  G;LIU, J;LIU, LM;LIU,  X;LIU, TB;LUO,  XF;LYU, Z;MA,  BQ;MA, F;MA, JP;MA,  YG;MAO, LJ;MEZRAG,  C;MOUTARDE,  H;PING, JL;QIN,  SU;REN, H;ROBERTS,  CD;ROJO, J;SHEN,  GD;SHI, C;SONG,</p>	<p>FRONTIERS OF  PHYSICS 16 (6): - DEC</p>	PHYSICS	<p>SOUTH CHINA NORMAL UNIV, INST QUANTUM MATTER,  GUANGDONG PROV KEY LAB NUCL SCI, GUANGZHOU 510006,  PEOPLES R CHINA;UNIV PARIS SACLAY, IRFU, CEA, F-91191 GIF  SUR YVETTE, FRANCE;CHINESE ACAD SCI, INST MODERN PHYS,  LANZHOU 730000, PEOPLES R CHINA;UNIV CHINESE ACAD SCI,  BEIJING 100049, PEOPLES R CHINA;NANKAI UNIV, TIANJIN  300071, PEOPLES R CHINA;XINYANG NORMAL UNIV, XINYANG  464000, PEOPLES R CHINA;GUANGZHOU UNIV, SCH PHYS &amp; MAT  SCI, GUANGZHOU 510006, PEOPLES R CHINA;HUNAN UNIV,  CHANGSHA 410082, PEOPLES R CHINA;NANJING UNIV, NANJING  210093, PEOPLES R CHINA;HUAZHONG UNIV SCI &amp; TECHNOL,  WUHAN 430074, PEOPLES R CHINA;EUROPEAN CTR THEORET  STUDIES NUCL PHYS &amp; RELATED, VILLA TAMBOSI,STR TABARELLE  286, I-38123 VILLAZZANO, ITALY;PEKING UNIV, SCH PHYS,  BEIJING 100871, PEOPLES R CHINA;HUNAN NORMAL UNIV,  CHANGSHA 410081, PEOPLES R CHINA;CHINESE ACAD SCI,  THEORET PHYS, BEIJING 100190, PEOPLES R CHINA;NANJING  NORMAL UNIV, NANJING 210023, PEOPLES R  CHINA;NORTHEASTERN UNIV, COLL SCI, DEPT PHYS, SHENYANG  110819, PEOPLES R CHINA;SOUTHWEST JIAOTONG UNIV,  CHENGDU 610000, PEOPLES R CHINA;UNIV ZAGREB, DEPT PHYS,  FAC SCI, BIJENICKA C 32, ZAGREB 10000, CROATIA;JOINT INST  NUCL RES, BOGOLIUBOV LAB THEORET PHYS, DUBNA 141980,  RUSSIA;ZHENGZHOU UNIV, SCH PHYS &amp; MICROELECT,  ZHENGZHOU 450001, PEOPLES R CHINA;LANZHOU UNIV,  LANZHOU 730000, PEOPLES R CHINA;SHANDONG UNIV, KEY LAB  PARTICLE PHYS &amp; PARTICLE IRRADIAT MOE, QINGDAO 266237,  PEOPLES R CHINA;CENT CHINA NORMAL UNIV, KEY LAB QUARK  &amp; LEPTON PHYS MOE, WUHAN 430079, PEOPLES R CHINA;CENT  CHINA NORMAL UNIV, INST PARTICLE PHYS, WUHAN 430079,  PEOPLES R CHINA;SOUTHEAST UNIV, SCH PHYS, NANJING  211189, PEOPLES R CHINA;FUDAN UNIV, INST MODERN PHYS,</p>	2021
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30	CARBON QUANTUM DOTS ASSISTED STRATEGY TO SYNTHESIZE CO@NC FOR BOOSTING PHOTOCATALYTIC HYDROGEN EVOLUTION PERFORMANCE OF CDS	MENG, XY;ZHANG, CC;DONG, CZ;SUN, WJ;JI, D;DING, Y	CHEMICAL ENGINEERING JOURNAL 389: - JUN 1 2020	ENGINEERING	85	LANZHOU UNIV, STATE KEY LAB APPL ORGAN CHEM, KEY LAB NONFERROUS MET CHEM & RESOURCES UTILIZAT, 222 TIANSHUI SOUTH RD, LANZHOU 730000, PEOPLES R CHINA;LANZHOU UNIV TECHNOL, COLL PETROCHEM TECHNOL, LANGONGPING RD 287, LANZHOU 730050, PEOPLES R CHINA;CHINESE ACAD SCI, LANZHOU INST CHEM PHYS, STATE KEY LAB OXO SYNTH & SELECT OXIDAT, 18 TIANSHUI MIDDLE RD, LANZHOU 730000, PEOPLES R CHINA	2020
31	EXISTENCE OF POSITIVE SOLUTION FOR A THIRD-ORDER THREE-POINT BVP WITH SIGN-CHANGING GREENS FUNCTION	LI, XL;SUN, JP;KONG, FD	ELECTRONIC JOURNAL OF QUALITATIVE THEORY OF DIFFERENTIAL EQUATIONS (30): - 2013	MATHEMATICS	83	LANZHOU UNIV TECHNOL, DEPT MATH APPL, LANZHOU 730050, GANSU, PEOPLES R CHINA	2013
32	FATTY AMINES/GRAPHENE SPONGE FORM-STABLE PHASE CHANGE MATERIAL COMPOSITES WITH EXCEPTIONALLY HIGH LOADING RATES AND ENERGY DENSITY FOR THERMAL ENERGY STORAGE	CHEN, T;LIU, C;MU, P;SUN, HX;ZHU, ZQ;LIANG, WD;LI, A	CHEMICAL ENGINEERING JOURNAL 382: - FEB 15 2020	ENGINEERING	82	LANZHOU UNIV TECHNOL, DEPT CHEM ENGN, COLL PETROCHEM ENGN, LANZHOU 730050, GANSU, PEOPLES R CHINA	2020
33	A TWO-STAGE COOPERATIVE EVOLUTIONARY ALGORITHM WITH PROBLEM-SPECIFIC KNOWLEDGE FOR ENERGY-EFFICIENT SCHEDULING OF NO-WAIT FLOW-SHOP PROBLEM	ZHAO, FQ;HE, X;WANG, L	IEEE TRANSACTIONS ON CYBERNETICS 51 (11): 5291-5303 NOV 2021	COMPUTER SCIENCE	77	LANZHOU UNIV TECHNOL, SCH COMP & COMMUN TECHNOL, LANZHOU 730050, PEOPLES R CHINA;TSINGHUA UNIV, DEPT AUTOMAT, BEIJING 100084, PEOPLES R CHINA	2021

34	THERMAL TUNING OF TERAHERTZ METAMATERIAL ABSORBER PROPERTIES BASED ON VO2	ZHENG, ZP;LUO, Y;YANG, H;YI, Z;ZHANG, JG;SONG, QJ;YANG, WX;LIU, C;WU, XW;WU, PH	PHYSICAL CHEMISTRY CHEMICAL PHYSICS 24 (15): 8846-8853 APR 13 2022	CHEMISTRY	73	SOUTHWEST UNIV SCI & TECHNOL, JOINT LAB EXTREME CONDIT MATTER PROPERTIES, MIANYANG 621010, SICHUAN, PEOPLES R CHINA;LANZHOU UNIV TECHNOL, STATE KEY LAB ADV PROC & RECYCLING NONFERROUS MET, LANZHOU 730050, PEOPLES R CHINA;JINZHONG UNIV, DEPT PHYS, JINZHONG 030619, PEOPLES R CHINA;YANGTZE UNIV, SCH PHYS & OPTOELECT ENGN, JINGZHOU 434023, HUBEI, PEOPLES R CHINA;NORTHEAST PETR UNIV, SCH PHYS & ELECT ENGN, DAQING 163318, PEOPLES R CHINA;JISHOU UNIV, SCH CHEM & CHEM ENGN, JISHOU 416000, PEOPLES R CHINA;QUANZHOU NORMAL UNIV, FUJIAN PROV KEY LAB ADV MICRONANO PHOTON TECHNOL, QUANZHOU 362000, PEOPLES R CHINA	2022
35	A CHAOTIC SYSTEM WITH DIFFERENT SHAPES OF EQUILIBRIA	PHAM, VT;JAFARI, S;WANG, X;MA, J	INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS 26 (4): - APR 2016	MATHEMATICS	73	HANOI UNIV SCI & TECHNOL, SCH ELECT & TELECOMMUN, 01 DAI CO VIET, HANOI, VIETNAM;AMIRKABIR UNIV TECHNOL, DEPT BIOMED ENGN, TEHRAN 158754413, IRAN;SHENZHEN UNIV, INST ADV STUDY, SHENZHEN 518060, GUANGDONG, PEOPLES R CHINA;LANZHOU UNIV TECHNOL, DEPT PHYS, LANZHOU 730050, PEOPLES R CHINA	2016
36	DESIGN OF HOLE-TRANSPORT-MATERIAL FREE CH3NH3PBI3/CSSNI3 ALL-PEROVSKITE HETEROJUNCTION EFFICIENT SOLAR CELLS BY DEVICE SIMULATION	DUAN, QQ;JI, JY;HONG, X;FU, YC;WANG, CY;ZHOU, K;LIU, XQ;YANG, H;WANG, ZY	SOLAR ENERGY 201: 555-560 MAY 1 2020	ENGINEERING	72	CHONGQING UNIV TECHNOL, SCH SCI, CHONGQING 400054, PEOPLES R CHINA;CHONGQING KEY LAB GREEN ENERGY MAT TECHNOL & SYST, CHONGQING 400054, PEOPLES R CHINA;LANZHOU UNIV TECHNOL, STATE KEY LAB ADV PROC & RECYCLING NONFERROUS MET, LANZHOU 730050, PEOPLES R CHINA;SOUTHWEST UNIV, SCH PHYS SCI & TECHNOL, CHONGQING 400715, PEOPLES R CHINA	2020



37	DYNAMICS AND STOCHASTIC RESONANCE IN A THERMOSENSITIVE NEURON	XU, Y;GUO, YY;REN, GD;MA, J	APPLIED MATHEMATICS AND COMPUTATION 385: - NOV 15 2020	MATHEMATICS	72	LANZHOU UNIV TECHNOL, DEPT PHYS, LANGONGPING 287, LANZHOU 730050, PEOPLES R CHINA;SHANDONG NORMAL UNIV, SCH MATH & STAT, JINAN 250014, PEOPLES R CHINA;CHONGQING UNIV POSTS & TELECOMMUN, SCH SCI, CHONGQING 430065, PEOPLES R CHINA	2020
38	EFFICIENT PROTECTION OF MG ALLOY ENABLED BY COMBINATION OF A CONVENTIONAL ANTI-CORROSION COATING AND A SUPERAMPHIPHOBIC COATING	WEI, JF;LI, BC;JING, LY;TIAN, N;ZHAO, X;ZHANG, JP	CHEMICAL ENGINEERING JOURNAL 390: - JUN 15 2020	ENGINEERING	71	CHINESE ACAD SCI, CTR ECOMAT & GREEN CHEM, LANZHOU INST CHEM PHYS, LANZHOU 730000, PEOPLES R CHINA;UNIV CHINESE ACAD SCI, CTR MAT SCI & OPTOELECT ENGN, BEIJING 100049, PEOPLES R CHINA;LANZHOU UNIV TECHNOL, COLL PETROCHEM ENGN, DEPT CHEM ENGN, LANZHOU 730050, PEOPLES R CHINA	2020
39	DESIGN OF TERNARY $\text{CaTiO}_3/\text{G-C}_3\text{N}_4/\text{AgBr}$ Z-SCHEME HETEROSTRUCTURED PHOTOCATALYSTS AND THEIR APPLICATION FOR DYE PHOTODEGRADATION	YAN, YX;YANG, H;YI, Z;LI, RS;XIAN, T	SOLID STATE SCIENCES 100: - FEB 2020	PHYSICS	70	LANZHOU UNIV TECHNOL, STATE KEY LAB ADV PROC & RECYCLING NONFERROUS MET, LANZHOU 730050, PEOPLES R CHINA;SOUTHWEST UNIV SCI & TECHNOL, JOINT LAB EXTREME CONDIT MATTER PROPERTIES, MIANYANG 621010, SICHUAN, PEOPLES R CHINA;QINGHAI NORMAL UNIV, COLL PHYS & ELECT INFORMAT ENGN, XINING 810008, PEOPLES R CHINA	2020
40	PARAMETERS ESTIMATION, MIXED SYNCHRONIZATION, AND ANTISYNCHRONIZATION IN CHAOTIC SYSTEMS	WANG, CN;HE, YJ;MA, J;HUANG, L	COMPLEXITY 20 (1): 64-73 SEP-OCT 2014	MATHEMATICS	70	LANZHOU UNIV TECHNOL, DEPT PHYS, LANZHOU 730050, PEOPLES R CHINA	2014
41	FORMATION OF AUTAPSE CONNECTED TO NEURON AND ITS BIOLOGICAL FUNCTION	WANG, CN;GUO, SL;XU, Y;MA, J;TANG, J;ALZHRANI, F;HOBINY, A	COMPLEXITY : - 2017	MATHEMATICS	69	LANZHOU UNIV TECHNOL, DEPT PHYS, LANZHOU 730050, PEOPLES R CHINA;KING ABDULAZIZ UNIV, NAAM RES GRP, DEPT MATH, FAC SCI, POB 80203, JEDDAH 21589, SAUDI ARABIA;CHINA UNIV MIN & TECHNOL, COLL SCI, XUZHOU 221116, PEOPLES R CHINA	2017

42	A NEW NEURON MODEL UNDER ELECTROMAGNETIC FIELD	WU, FQ;MA, J;ZHANG, G	APPLIED MATHEMATICS AND COMPUTATION 347: 590-599 APR 15 2019	MATHEMATICS	64	TONGJI UNIV, SCH AEROSP ENGN & APPL MECH, SHANGHAI 200092, PEOPLES R CHINA;LANZHOU UNIV TECHNOL, DEPT PHYS, LANZHOU 730050, GANSU, PEOPLES R CHINA	2019
43	AN EXCELLENT Z-SCHEME AG <sub>2</sub> MOO <sub>4</sub> /BI <sub>4</sub> TI <sub>3</sub> O <sub>12</sub> HETEROJUNCTION PHOTOCATALYST: CONSTRUCTION STRATEGY AND APPLICATION IN ENVIRONMENTAL PURIFICATION	CHENG, TT;GAO, HJ;SUN, XF;XIAN, T;WANG, SF;YI, Z;LIU, GR;WANG, XX;YANG, H	ADVANCED POWDER TECHNOLOGY 32 (3): 951-962 MAR 2021	CHEMISTRY	62	LANZHOU UNIV TECHNOL, STATE KEY LAB ADV PROC & RECYCLING NONFERROUS MET, LANZHOU 730050, PEOPLES R CHINA;QINGHAI NORMAL UNIV, COLL PHYS & ELECT INFORMAT ENGN, XINING 810008, PEOPLES R CHINA;CHONGQING THREE GORGES UNIV, SCH ELECT & INFORMAT ENGN, CHONGQING 404000, WANZHOU, PEOPLES R CHINA;SOUTHWEST UNIV SCI & TECHNOL, JOINT LAB EXTREME CONDIT MATTER PROPERTIES, MIANYANG 621010, SICHUAN, PEOPLES R CHINA	2021
44	<P>SYNTHESIS OF CARNATION FLOWER-LIKE BI <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> PHOTOCATALYST AND ITS PROMISING APPLICATION FOR PHOTOREDUCTION OF CR(VI)</P>	LI, LX;GAO, HJ;LIU, GR;WANG, SF;YI, Z;WU, XW;YANG, H	ADVANCED POWDER TECHNOLOGY 33 (3): - MAR 2022	CHEMISTRY	59	LANZHOU UNIV TECHNOL, SCH SCI, LANZHOU 730050, PEOPLES R CHINA;CHONGQING THREE GORGES UNIV, SCH ELECT & INFORMAT ENGN, CHONGQING 404000, PEOPLES R CHINA;SOUTHWEST UNIV SCI & TECHNOL, JOINT LAB EXTREME CONDIT MATTER PROPERTIES, MIANYANG 621010, PEOPLES R CHINA;JISHOU UNIV, SCH CHEM & CHEM ENGN, JISHOU 416000, PEOPLES R CHINA	2022
45	POTENTIALLY SCALABLE FABRICATION OF SALT-REJECTION EVAPORATOR BASED ON ELECTROGENERATED POLYPYRROLE-COATED NICKEL FOAM FOR EFFICIENT SOLAR STEAM GENERATION	WANG, S;FAN, YK;WANG, F;SU, YN;ZHOU, X;ZHU, ZQ;SUN, HX;LIANG, WD;LI, A	DESALINATION 505: - JUN 1 2021	CHEMISTRY	57	LANZHOU UNIV TECHNOL, COLL PETROCHEM TECHNOL, LANGONGPING RD 287, LANZHOU 730050, PEOPLES R CHINA;ANKANG UNIV, DEPT CHEM & CHEM ENGN, ANKANG 725000, SHAANXI, PEOPLES R CHINA	2021

46	FLEXOELECTRICITY-INDUCED ENHANCEMENT IN CARRIER SEPARATION AND PHOTOCATALYTIC ACTIVITY OF A PHOTOCATALYST	CHENG, TT;GAO, HJ;LI, RS;WANG, SF;YI, Z;YANG, H	APPLIED SURFACE SCIENCE 566: - NOV 15 2021	MATERIALS SCIENCE	54	LANZHOU UNIV TECHNOL, STATE KEY LAB ADV PROC & RECYCLING NONFERROUS MET, LANZHOU 730050, PEOPLES R CHINA;CHONGQING THREE GORGES UNIV, SCH ELECT & INFORMAT ENGN, CHONGQING 404000, WANZHOU, PEOPLES R CHINA;SOUTHWEST UNIV SCI & TECHNOL, JOINT LAB EXTREME CONDIT MATTER PROPERTIES, MIANYANG 621010, SICHUAN, PEOPLES R CHINA	2021
47	DESIGN STRATEGIES OF 3D CARBON-BASED ELECTRODES FOR CHARGE/ION TRANSPORT IN LITHIUM ION BATTERY AND SODIUM ION BATTERY	ZHANG, TY;RAN, F	ADVANCED FUNCTIONAL MATERIALS 31 (17): - APR 2021	MATERIALS SCIENCE	53	LANZHOU UNIV TECHNOL, STATE KEY LAB ADV PROC & RECYCLING NONFERROUS MET, LANZHOU 730500, PEOPLES R CHINA;LANZHOU UNIV TECHNOL, SCH MECH & ELECT ENGN, LANZHOU 730050, PEOPLES R CHINA;LANZHOU UNIV TECHNOL, SCH MAT SCI & ENGN, LANZHOU 730500, PEOPLES R CHINA	2021
48	ELECTRICAL MODE TRANSITION OF HYBRID NEURONAL MODEL INDUCED BY EXTERNAL STIMULUS AND ELECTROMAGNETIC INDUCTION	LIU, Y;MA, J;XU, Y;JIA, Y	INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS 29 (11): - OCT 2019	MATHEMATICS	52	CENT CHINA NORMAL UNIV, INST BIOPHYS, WUHAN 430079, HUBEI, PEOPLES R CHINA;CENT CHINA NORMAL UNIV, DEPT PHYS, WUHAN 430079, HUBEI, PEOPLES R CHINA;LANZHOU UNIV TECHNOL, DEPT PHYS, LANZHOU 730050, GANSU, PEOPLES R CHINA;CHONGQING UNIV POSTS & TELECOMMUN, SCH SCI, CHONGQING 430065, PEOPLES R CHINA;KING ABDULAZIZ UNIV, FAC SCI, DEPT MATH, NAAM RES GRP, POB 80203, JEDDAH 21589, SAUDI ARABIA	2019
49	A PIEZOELECTRIC SENSING NEURON AND RESONANCE SYNCHRONIZATION BETWEEN AUDITORY NEURONS UNDER STIMULUS	ZHOU, P;YAO, Z;MA, J;ZHU, ZG	CHAOS SOLITONS & FRACTALS 145: - APR 2021	PHYSICS	50	CHONGQING UNIV POSTS & TELECOMMUN, SCH SCI, CHONGQING 430065, PEOPLES R CHINA;LANZHOU UNIV TECHNOL, DEPT PHYS, LANGONGPING 287, LANZHOU 730050, PEOPLES R CHINA	2021

50	CHEMICAL AND ELECTRICAL SYNAPSE-MODULATED DYNAMICAL PROPERTIES OF COUPLED NEURONS UNDER MAGNETIC FLOW	MOSTAGHIMI, S;NAZARIMEHR, F;JAFARI, S;MA, J	APPLIED MATHEMATICS AND COMPUTATION 348: 42-56 MAY 1 2019	MATHEMATICS	50	AMIRKABIR UNIV TECHNOL, BIOMED ENGN DEPT, TEHRAN 158754413, IRAN;LANZHOU UNIV TECHNOL, DEPT PHYS, LANZHOU, GANSU, PEOPLES R CHINA	2019
51	A NOVEL PLASMONIC REFRACTIVE INDEX SENSOR BASED ON GOLD/SILICON COMPLEMENTARY GRATING STRUCTURE*	WANG, XX;ZHU, JK;XU, YQ;QI, YP;ZHANG, LP;YANG, H;YI, Z	CHINESE PHYSICS B 30 (2): - FEB 2021	PHYSICS	48	LANZHOU UNIV TECHNOL, SCH SCI, LANZHOU 730050, PEOPLES R CHINA;NORTHWEST NORMAL UNIV, COLL PHYS & ELECT ENGN, LANZHOU 730070, PEOPLES R CHINA;SOUTHWEST UNIV SCI & TECHNOL, JOINT LAB EXTREME CONDIT MATTER PROPERTIES, MIANYANG 621010, SICHUAN, PEOPLES R CHINA	2021
52	DYNAMICAL BEHAVIOR AND APPLICATION IN JOSEPHSON JUNCTION COUPLED BY MEMRISTOR	ZHANG, G;MA, J;ALSAEDI, A;AHMAD, B;ALZHRANI, F	APPLIED MATHEMATICS AND COMPUTATION 321: 290-299 MAR 15 2018	MATHEMATICS	48	LANZHOU UNIV TECHNOL, DEPT PHYS, LANZHOU 730050, GANSU, PEOPLES R CHINA;KING ABDULAZIZ UNIV, FAC SCI, DEPT MATH, NAAM RES GRP, JEDDAH 21589, SAUDI ARABIA;LANZHOU UNIV TECHNOL, COLL ELECT & INFORMAT ENGN, LANZHOU 730050, GANSU, PEOPLES R CHINA	2018
53	A SELF-LEARNING DISCRETE JAYA ALGORITHM FOR MULTIOBJECTIVE ENERGY-EFFICIENT DISTRIBUTED NO-IDLE FLOW-SHOP SCHEDULING PROBLEM IN HETEROGENEOUS FACTORY SYSTEM	ZHAO, FQ;MA, R;WANG, L	IEEE TRANSACTIONS ON CYBERNETICS : - AUG 20 2021	COMPUTER SCIENCE	47	LANZHOU UNIV TECHNOL, SCH COMP & COMMUN TECHNOL, LANZHOU 730050, PEOPLES R CHINA;TSINGHUA UNIV, DEPT AUTOMAT, BEIJING 100084, PEOPLES R CHINA	2021
54	RPA-CAS12A-FS: A FRONTLINE NUCLEIC ACID RAPID DETECTION SYSTEM FOR FOOD SAFETY BASED ON CRISPR-CAS12A COMBINED WITH RECOMBINASE POLYMERASE AMPLIFICATION	LIU, H;WANG, JB;ZENG, HJ;LIU, XF;JIANG, W;WANG, Y;OUYANG, WB;TANG, XM	FOOD CHEMISTRY 334: - JAN 1 2021	AGRICULTURAL SCIENCES	45	SHANGHAI ACAD AGR SCI, INST BIOTECHNOL RES, 2901 BEIDI RD, SHANGHAI 201106, PEOPLES R CHINA;KEY LAB AGR GENET & BREEDING, 2901 BEIDI RD, SHANGHAI 201106, PEOPLES R CHINA;MINIST AGR & RURAL AFFAIRS, CROPS ECOL ENVIRONM SECUR INSPECT & SUPERVIS CTR, 2901 BEIDI RD, SHANGHAI 201106, PEOPLES R CHINA;LANZHOU UNIV TECHNOL, SCH LIFE SCI & ENGN, LANZHOU 730050, PEOPLES R CHINA	2021

55	TEMPLATE-FREE SYNTHESIS OF BI <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> HIERARCHICAL NANOTUBES SELF-ASSEMBLED FROM ORDERED NANOPATES FOR PROMISING PHOTOCATALYTIC APPLICATIONS	LI, LX;SUN, XF;XIAN, T;GAO, HJ;WANG, SF;YI, Z;WU, XW;YANG, H	PHYSICAL CHEMISTRY CHEMICAL PHYSICS 24 (14): 8279-8295 APR 6 2022	CHEMISTRY	44	LANZHOU UNIV TECHNOL, STATE KEY LAB ADV PROC & RECYCLING NONFERROUS MET, LANZHOU 730050, PEOPLES R CHINA;QINGHAI NORMAL UNIV, COLL PHYS & ELECT INFORMAT ENGN, XINING 810008, PEOPLES R CHINA;CHONGQING THREE GORGES UNIV, SCH ELECT & INFORMAT ENGN, WANZHOU 404000, PEOPLES R CHINA;SOUTHWEST UNIV SCI & TECHNOL, JOINT LAB EXTREME CONDIT MATTER PROPERTIES, MIANYANG 621010, SICHUAN, PEOPLES R CHINA;JISHOU UNIV, SCH CHEM & CHEM ENGN, JISHOU 416000, PEOPLES R CHINA	2022
56	MEMRISTIVE RULKOV NEURON MODEL WITH MAGNETIC INDUCTION EFFECTS	LI, KX;BAO, H;LI, HZ;MA, J;HUA, ZY;BAO, BC	IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS 18 (3): 1726-1736 MAR 2022	ENGINEERING	44	CHANGZHOU UNIV, SCH MICROELECT & CONTROL ENGN, CHANGZHOU 213164, PEOPLES R CHINA;LANZHOU UNIV TECHNOL, DEPT PHYS, LANZHOU 730050, PEOPLES R CHINA;HARBIN INST TECHNOL, SCH COMP SCI & TECHNOL, SHENZHEN 518055, PEOPLES R CHINA	2022
57	FRACTAL APPROACH TO MECHANICAL AND ELECTRICAL PROPERTIES OF GRAPHENE/SIC COMPOSITES	ZUO, YT;LIU, HJ	FACTA UNIVERSITATIS-SERIE S MECHANICAL ENGINEERING 19 (2): 271-284 2021	ENGINEERING	43	LANZHOU UNIV TECHNOL, SCH MAT SCI & ENGN, LANZHOU, PEOPLES R CHINA;LANZHOU UNIV TECHNOL, STATE KEY LAB ADV PROC & RECYCLING NONFERROUS MET, LANZHOU, PEOPLES R CHINA	2021
58	A FOUR-BAND PERFECT ABSORBER BASED ON HIGH QUALITY FACTOR AND HIGH FIGURE OF MERIT OF MONOLAYER MOLYBDENUM DISULFIDE	JIANG, LY;YI, YT;YI, Z;YANG, H;LI, ZY;SU, J;ZHOU, ZG;CHEN, XF;YI, YG	ACTA PHYSICA SINICA 70 (12): - JUN 20 2021	PHYSICS	41	SOUTHWEST UNIV SCI & TECHNOL, SCH SCI, MIANYANG 621010, SICHUAN, PEOPLES R CHINA;CENT SOUTH UNIV, SCH PHYS & ELECT, CHANGSHA 410083, PEOPLES R CHINA;LANZHOU UNIV TECHNOL, SCH SCI, LANZHOU 730050, PEOPLES R CHINA	2021

59	COMPARATIVE INVESTIGATION ON SYNTHESIS, MORPHOLOGICAL TAILORING AND PHOTOCATALYTIC ACTIVITIES OF BI <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> NANOSTRUCTURES	LI, LX;GAO, HJ;YI, Z;WANG, SF;WU, XW;LI, RS;YANG, H	COLLOIDS AND SURFACES A-PHYSCOCHEMICAL AND ENGINEERING ASPECTS 644: - JUL 5 2022	CHEMISTRY	41	LANZHOU UNIV TECHNOL, STATE KEY LAB ADV PROC & RECYCLING NONFERROUS MET, LANZHOU 730050, PEOPLES R CHINA;SOUTHWEST UNIV SCI & TECHNOL, JOINT LAB EXTREME CONDIT MATTER PROPERTIES, MIANYANG 621010, SICHUAN, PEOPLES R CHINA;CHONGQING THREE GORGES UNIV, SCH ELECT & INFORMAT ENGN, WANZHOU 404000, PEOPLES R CHINA;JISHOU UNIV, SCH CHEM & CHEM ENGN, JISHOU 416000, PEOPLES R CHINA	2022
60	LANDWEBER ITERATIVE METHOD FOR IDENTIFYING THE INITIAL VALUE PROBLEM OF THE TIME-SPACE FRACTIONAL DIFFUSION-WAVE EQUATION	YANG, F;ZHANG, Y;LI, XX	NUMERICAL ALGORITHMS 83 (4): 1509-1530 APR 2020	MATHEMATICS	40	LANZHOU UNIV TECHNOL, SCH SCI, LANZHOU 730050, GANSU, PEOPLES R CHINA	2020
61	SIMULATION OF THE PRESENT AND FUTURE PROJECTION OF PERMAFROST ON THE QINGHAI-TIBET PLATEAU WITH STATISTICAL AND MACHINE LEARNING MODELS	NI, J;WU, TH;ZHU, XF;HU, GJ;ZOU, DF;WU, XD;LI, R;XIE, CW;QIAO, YP;PANG, QQ;HAO, JM;YANG, C	JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPH ERES 126 (2): - JAN 27 2021	GEOSCIENCES	37	CHINESE ACAD SCI, CRYOSPHERE RES STN QINGHAI TIBET PLATEAU, STATE KEY LAB CRYOSPHER SCI, NORTHWEST INST ECOENVIRONM & RESOURCES, LANZHOU, PEOPLES R CHINA;UNIV CHINESE ACAD SCI, COLL RESOURCES & ENVIRONM, BEIJING, PEOPLES R CHINA;SOUTHERN MARINE SCI & ENGN GUANGDONG LAB, GUANGZHOU, PEOPLES R CHINA;LANZHOU UNIV TECHNOL, SCH CIVIL ENGN, LANZHOU, PEOPLES R CHINA	2021

62	DESIGN OF ULTRA-NARROW BAND GRAPHENE REFRACTIVE INDEX SENSOR	SHANGGUAN, QY;CHEN, ZH;YANG, H;CHENG, SB;YANG, WX;YI, Z;WU, XW;WANG, SF;YI, YG;WU, PH	SENSORS 22 (17): - SEP 2022	CHEMISTRY	35 YANGTZE UNIV, SCH PHYS & OPTOELECT ENGN, JINGZHOU 434023, PEOPLES R CHINA;UNIV ELECT SCI & TECHNOL CHINA, STATE KEY LAB ELECT THIN FILM & INTEGRATED DEVICE, SCH ELECT SCI & ENGN, CHENGDU 610054, PEOPLES R CHINA;LANZHOU UNIV TECHNOL, STATE KEY LAB ADV PROC & RECYCLING NONFERROUS MET, LANZHOU 730050, PEOPLES R CHINA;SOUTHWEST UNIV SCI & TECHNOL, JOINT LAB EXTREME CONDIT MATTER PROPERTIES, MIANYANG 621010, SICHUAN, PEOPLES R CHINA;JISHOU UNIV, SCH CHEM & CHEM ENGN, JISHOU 416000, PEOPLES R CHINA;CHONGQING THREE GORGES UNIV, SCH ELECT & INFORMAT ENGN, CHONGQING 404000, PEOPLES R CHINA;CENT SOUTH UNIV, COLL PHYS & ELECT, CHANGSHA 410083, PEOPLES R CHINA;QUANZHOU NORMAL UNIV, FUJIAN PROV KEY LAB ADV MICRONANO PHOTON TECHNOL, QUANZHOU 362000, PEOPLES R CHINA	2022
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63	INCREASING CRYOSPHERIC HAZARDS IN A WARMING CLIMATE	DING, YJ;MU, CC;WU, TH;HU, GJ;ZOU, DF;WANG, D;LI, WP;WU, XD	EARTH-SCIENCE REVIEWS 213: - FEB 2021	GEOSCIENCES	35	CHINESE ACAD SCI, NORTHWEST INST ECOENVIRONM & RESOURCE, STATE KEY LAB CRYOSPHER SCI, CRYOSPHERE RES STN QINGHAI TIBETAN PLATEAU, LANZHOU 730000, GANSU, PEOPLES R CHINA;SOUTHERN MARINE SCI & ENGN GUANGDONG LAB GUANGZHO, GUANGZHOU 511458, PEOPLES R CHINA;LANZHOU UNIV, COLL EARTH & ENVIRONM SCI, KEY LAB WESTERN CHINAS ENVIRONM SYST, MINIST EDUC, LANZHOU 730000, PEOPLES R CHINA;CHINESE ACAD SCI, KEY LAB ECOHYDROL RIVER BASIN SCI, 320 WEST DONGGANG RD, LANZHOU 730000, PEOPLES R CHINA;UNIV CHINESE ACAD SCI, 19 A YUQUAN RD, BEIJING 100049, PEOPLES R CHINA;UNIV COOPERAT POLAR RES, BEIJING 100875, PEOPLES R CHINA;SOUTHERN MARINE SCI & ENGN GUANGDONG LAB ZHUHAI, ZHUHAI 519000, PEOPLES R CHINA;LANZHOU UNIV TECHNOL, SCH CIVIL ENGN, 287 LANGONGPING RD, LANZHOU 730050, PEOPLES R CHINA	2021
64	ENHANCED PHOTOCATALYTIC ACTIVITY, MECHANISM AND POTENTIAL APPLICATION OF I-DOPED-BI4TI3O12 PHOTOCATALYSTS	CHENG, T;MA, Q;GAO, H;MENG, S;LU, Z;WANG, S;YI, Z;WU, X;LIU, G;WANG, X;YANG, H	MATERIALS TODAY CHEMISTRY 23: - MAR 2022	MATERIALS SCIENCE	21	LANZHOU UNIV TECHNOL, SCH SCI, LANZHOU 730050, PEOPLES R CHINA;HENAN NORMAL UNIV, SCH PHYS, XINXIANG 453007, HENAN, PEOPLES R CHINA;CHONGQING THREE GORGES UNIV, SCH ELECT & INFORMAT ENGN, CHONGQING 404000, WANZHOU, PEOPLES R CHINA;SOUTHWEST UNIV SCI & TECHNOL, JOINT LAB EXTREME CONDIT MATTER PROPERTIES, MIANYANG 621010, SICHUAN, PEOPLES R CHINA;JISHOU UNIV, SCH CHEM & CHEM ENGN, JISHOU 416000, PEOPLES R CHINA	2022



65	HIGH EFFICIENCY TITANIUM OXIDES AND NITRIDES ULTRA-BROADBAND SOLAR ENERGY ABSORBER AND THERMAL EMITTER FROM 200 NM TO 2600 NM	ZHENG, Y;WU, PH;YANG, H;YI, Z;LUO, Y;LIU, L;SONG, Q;PAN, M;ZHANG, JG;CAI, PG	OPTICS AND LASER TECHNOLOGY 150: - JUN 2022	ENGINEERING	19	SOUTHWEST UNIV SCI & TECHNOL, JOINT LAB EXTREME CONDIT MATTER PROPERTIES, MIANYANG 621010, SICHUAN, PEOPLES R CHINA;QUANZHOU NORMAL UNIV, COLL PHYS & INFORMAT ENGN, QUANZHOU 362000, PEOPLES R CHINA;LANZHOU UNIV TECHNOL, STATE KEY LAB ADV PROC & RECYCLING NONFERROUS MET, LANZHOU 730050, PEOPLES R CHINA;JINZHONG UNIV, DEPT PHYS, JINZHONG 030619, PEOPLES R CHINA;ZHEJIANG UNIV TECHNOL, COLL SCI, DEPT APPL PHYS, HANGZHOU 310023, PEOPLES R CHINA	2022
66	PHASE SYNCHRONIZATION AND ENERGY BALANCE BETWEEN NEURONS	XIE, Y;YAO, Z;MA, J	FRONTIERS OF INFORMATION TECHNOLOGY & ELECTRONIC ENGINEERING 23 (9): 1407-1420 SP. ISS. SI SEP 2022	COMPUTER SCIENCE	17	LANZHOU UNIV TECHNOL, DEPT PHYS, LANZHOU 730050, PEOPLES R CHINA;CHONGQING UNIV POSTS & TELECOMMUN, SCH SCI, CHONGQING 430065, PEOPLES R CHINA	2022
67	HOW TO WAKE UP THE ELECTRIC SYNAPSE COUPLING BETWEEN NEURONS?	ZHOU, P;ZHANG, XF;MA, J	NONLINEAR DYNAMICS 108 (2): 1681-1695 APR 2022	ENGINEERING	17	CHONGQING UNIV POSTS & TELECOMMUN, SCH SCI, CHONGQING 430065, PEOPLES R CHINA;LANZHOU UNIV TECHNOL, DEPT PHYS, LANZHOU 730050, PEOPLES R CHINA	2022

68	A NOVEL PHOTOLUMINESCENCE PHENOMENON IN A SRMOO4/SRWO4 MICRO/NANO HETEROJUNCTION PHOSPHORS OBTAINED BY THE POLYACRYLAMIDE GEL METHOD COMBINED WITH LOW TEMPERATURE CALCINATION TECHNOLOGY	GAO, HJ;YU, C;WANG, Y;WANG, SF;YANG, H;WANG, F;TANG, SN;YI, Z;LI, DF	JOURNAL OF LUMINESCENCE 243: - MAR 2022	PHYSICS	16	LANZHOU UNIV TECHNOL, STATE KEY LAB ADV PROC & RECYCLING NONFERROUS MED, LANZHOU 730050, PEOPLES R CHINA;CHONGQING THREE GORGES UNIV, SCH ELECT & INFORMAT ENGN, CHONGQING 404000, WANZHOU, PEOPLES R CHINA;CHONGQING THREE GORGES UNIV, CHONGQING KEY LAB GEOL ENVIRONM MONITORING & DISA, CHONGQING 404000, PEOPLES R CHINA;LANZHOU UNIV TECHNOL, SCH SCI, LANZHOU 730050, PEOPLES R CHINA;SICHUAN UNIV, COLL MAT SCI & ENGN, CHENGDU 610064, PEOPLES R CHINA;SOUTHWEST UNIV SCI & TECHNOL, JOINT LAB EXTREME CONDIT MATTER PROPERTIES, MIANYANG 621010, SICHUAN, PEOPLES R CHINA;CHONGQING UNIV POSTS & TELECOMMUN, SCH SCI, CHONGQING 400065, PEOPLES R CHINA	2022
69	COMPARISON OF MINIMALLY INVASIVE SURGERY TRANSFORAMINAL LUMBAR INTERBODY FUSION AND TLIF FOR TREATMENT OF LUMBAR SPINE STENOSIS	GAO, GD;CAO, LZ;DU, XZ;XU, B;ZHANG, P;ZHANG, XG;WANG, R;QUAN, Z	JOURNAL OF HEALTHCARE ENGINEERING 2022: - JAN 25 2022	CLINICAL MEDICINE	16	GANSU UNIV CHINESE MED, AFFILIATED HOSP, DEPT SPINAL SURG, LANZHOU 730000, GANSU, PEOPLES R CHINA;LANZHOU UNIV TECHNOL, COLL ELECT & INFORMAT ENGN, LANZHOU 730050, GANSU, PEOPLES R CHINA	2022
70	SYNTHESIS OF A SELF-ASSEMBLED DUAL MORPHOLOGIES AG-NPS/SRMOO4 PHOTOCATALYST WITH LSPR EFFECT FOR THE DEGRADATION OF METHYLENE BLUE DYE	GU, YF;GUO, BB;YI, Z;WU, XW;ZHANG, J;YANG, H	CHEMISTRYSELECT 7 (29): - AUG 5 2022	CHEMISTRY	14	LANZHOU UNIV TECHNOL, STATE KEY LAB ADV PROC & RECYCLING NONFERROUS MET, LANZHOU 730050, PEOPLES R CHINA;SOUTHWEST UNIV SCI & TECHNOL, JOINT LAB EXTREME CONDIT MATTER PROPERTIES, MIANYANG 621010, SICHUAN, PEOPLES R CHINA;JISHOU UNIV, SCH CHEM & CHEM ENGN, JISHOU 416000, PEOPLES R CHINA	2022

71	MORPHOLOGY MODULATION OF HOLLOW-SHELL ZNSN(OH) <sub>6</sub> FOR ENHANCED PHOTODEGRADATION OF METHYLENE BLUE	GU, YF;GUO, BB;YI, Z;WU, XW;ZHANG, J;YANG, H	COLLOIDS AND SURFACES A-PHYSCOCHEMICAL AND ENGINEERING ASPECTS 653: - NOV 20 2022	CHEMISTRY	13	LANZHOU UNIV TECHNOL, STATE KEY LAB ADV PROC & RECYCLING NONFERROUS MET, LANZHOU 730050, PEOPLES R CHINA;SOUTHWEST UNIV SCI & TECHNOL, JOINT LAB EXTREME CONDIT MATTER PROPERTIES, MIANYANG 621010, PEOPLES R CHINA;JISHOU UNIV, SCH CHEM & CHEM ENGN, JISHOU 416000, PEOPLES R CHINA	2022
72	ANALYSIS OF BIOELECTRICAL IMPEDANCE SPECTRUM FOR ELBOW STIFFNESS BASED ON HILBERT-HUANG TRANSFORM	GAO, GD;ZHANG, P;XU, B;ZHANG, XG;YANG, QZ;WANG, R;HAN, SH;QUAN, Z	CONTRAST MEDIA & MOLECULAR IMAGING 2022: - APR 8 2022	CLINICAL MEDICINE	12	AFFILIATED HOSP GANSU UNIV CHINESE MED, DEPT SPINAL SURG, LANZHOU 730000, GANSU, PEOPLES R CHINA;LANZHOU UNIV TECHNOL, COLL ELECT & INFORMAT ENGN, LANZHOU 730050, GANSU, PEOPLES R CHINA	2022
73	COMBINED EFFECTS OF IRRIGATION LEVEL AND FERTILIZATION PRACTICE ON YIELD, ECONOMIC BENEFIT AND WATER-NITROGEN USE EFFICIENCY OF DRIP-IRRIGATED GREENHOUSE TOMATO	WU, Y;YAN, SC;FAN, JL;ZHANG, FC;ZHAO, WJ;ZHENG, J;GUO, JJ;XIANG, YZ;WU, LF	AGRICULTURAL WATER MANAGEMENT 262: - MAR 31 2022	AGRICULTURAL SCIENCES	8	LANZHOU UNIV TECHNOL, COLL ENERGY & POWER ENGN, LANZHOU 730050, PEOPLES R CHINA;NORTHWEST A&F UNIV, KEY LAB AGR SOIL & WATER ENGN ARID SEMIARID AREAS, MINIST EDUC, YANGLING 712100, PEOPLES R CHINA;LANZHOU UNIV, COLL PASTORAL AGR SCI & TECHNOL, LANZHOU 730020, PEOPLES R CHINA;CHINESE ACAD SCI, INST MT HAZARDS & ENVIRONM, CHENGDU 610041, PEOPLES R CHINA;NANCHANG INST TECHNOL, SCH HYDRAUL & ECOL ENGN, NANCHANG 330099, PEOPLES R CHINA	2022

## 2、热点论文

序号	文章标题	作者	来源出版物	所属学科	被引次数	地址	出版年
1	MULTI-MODE SURFACE PLASMON RESONANCE ABSORBER BASED ON DART-TYPE SINGLE-LAYER GRAPHENE	CHEN, H;CHEN, ZH;YANG, H;WEN, LH;YI, Z;ZHOU, ZG;DAI, B;ZHANG, JG;WU, XW;WU, PH	RSC ADVANCES 12 (13): 7821-7829 MAR 8 2022	CHEMISTRY	130	SOUTHWEST UNIV SCI & TECHNOL, SCH SCI, STATE KEY LAB ENVIRONM FRIENDLY ENERGY MAT, MIANYANG 621010, SICHUAN, PEOPLES R CHINA;LANZHOU UNIV TECHNOL, STATE KEY LAB ADV PROC & RECYCLING NONFERROUS MET, LANZHOU 730050, PEOPLES R CHINA;YIBIN UNIV, DIV INTELLIGENT MANUFACTUNING, YIBIN 644600, PEOPLES R CHINA;JINZHONG UNIV, DEPT PHYS, JINZHONG 030619, PEOPLES R CHINA;JISHOU UNIV, SCH CHEM & CHEM ENGN, JISHOU 416000, PEOPLES R CHINA;QUANZHOU NORMAL UNIV, FUJIAN PROV KEY LAB ADV MICRONANO PHOTON TECHNOL, QUANZHOU 362000, PEOPLES R CHINA	2022

2	PREPARATION OF CORE-SHELL HETEROJUNCTION PHOTOCATALYSTS BY COATING CDS NANOPARTICLES ONTO BI4TI3O12 HIERARCHICAL MICROSPHERES AND THEIR PHOTOCATALYTIC REMOVAL OF ORGANIC POLLUTANTS AND CR(VI) IONS	CHENG, TT;GAO, HJ;LIU, GR;PU, ZS;WANG, SF;YI, Z;WU, XW;YANG, H	COLLOIDS AND SURFACES A-PHYSCOCHEMICAL AND ENGINEERING ASPECTS 633: - PART 2 JAN 20 2022	CHEMISTRY	107	LANZHOU UNIV TECHNOL, SCH SCI, LANZHOU 730050, PEOPLES R CHINA;CHONGQING THREE GORGES UNIV, SCH ELECT & INFORMAT ENGN, WANZHOU 404000, PEOPLES R CHINA;SOUTHWEST UNIV SCI & TECHNOL, JOINT LAB EXTREME CONDIT MATTER PROPERTIES, MIANYANG 621010, SICHUAN, PEOPLES R CHINA;JISHOU UNIV, SCH CHEM & CHEM ENGN, JISHOU 416000, PEOPLES R CHINA	2022
3	A TWO-STAGE COOPERATIVE EVOLUTIONARY ALGORITHM WITH PROBLEM-SPECIFIC KNOWLEDGE FOR ENERGY-EFFICIENT SCHEDULING OF NO-WAIT FLOW-SHOP PROBLEM	ZHAO, FQ;HE, X;WANG, L	IEEE TRANSACTIONS ON CYBERNETICS 51 (11): 5291-5303 NOV 2021	COMPUTER SCIENCE	77	LANZHOU UNIV TECHNOL, SCH COMP & COMMUN TECHNOL, LANZHOU 730050, PEOPLES R CHINA;TSINGHUA UNIV, DEPT AUTOMAT, BEIJING 100084, PEOPLES R CHINA	2021
4	THERMAL TUNING OF TERAHERTZ METAMATERIAL ABSORBER PROPERTIES BASED ON VO2	ZHENG, ZP;LUO, Y;YANG, H;YI, Z;ZHANG, JG;SONG, QJ;YANG, WX;LIU, C;WU, XW;WU, PH	PHYSICAL CHEMISTRY CHEMICAL PHYSICS 24 (15): 8846-8853 APR 13 2022	CHEMISTRY	73	SOUTHWEST UNIV SCI & TECHNOL, JOINT LAB EXTREME CONDIT MATTER PROPERTIES, MIANYANG 621010, SICHUAN, PEOPLES R CHINA;LANZHOU UNIV TECHNOL, STATE KEY LAB ADV PROC & RECYCLING NONFERROUS MET, LANZHOU 730050, PEOPLES R CHINA;JINZHONG UNIV, DEPT PHYS, JINZHONG 030619, PEOPLES R CHINA;YANGTZE UNIV, SCH PHYS & OPTOELECT ENGN, JINGZHOU 434023, HUBEI, PEOPLES R CHINA;NORTHEAST PETR UNIV, SCH PHYS & ELECT ENGN, DAQING 163318, PEOPLES R CHINA;JISHOU UNIV, SCH CHEM & CHEM ENGN, JISHOU 416000, PEOPLES R CHINA;QUANZHOU NORMAL UNIV, FUJIAN PROV KEY LAB ADV MICRONANO PHOTON TECHNOL, QUANZHOU 362000, PEOPLES R CHINA	2022

5	<P>SYNTHESIS OF CARNATION FLOWER-LIKE BI <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> PHOTOCATALYST AND ITS PROMISING APPLICATION FOR PHOTOREDUCTION OF CR(VI)</P>	LI, LX;GAO, HJ;LIU, GR;WANG, SF;YI, Z;WU, XW;YANG, H	ADVANCED POWDER TECHNOLOGY 33 (3): - MAR 2022	CHEMISTRY	59	LANZHOU UNIV TECHNOL, SCH SCI, LANZHOU 730050, PEOPLES R CHINA;CHONGQING THREE GORGES UNIV, SCH ELECT & INFORMAT ENGN, CHONGQING 404000, PEOPLES R CHINA;SOUTHWEST UNIV SCI & TECHNOL, JOINT LAB EXTREME CONDIT MATTER PROPERTIES, MIANYANG 621010, PEOPLES R CHINA;JISHOU UNIV, SCH CHEM & CHEM ENGN, JISHOU 416000, PEOPLES R CHINA	2022
6	TEMPLATE-FREE SYNTHESIS OF BI <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> HIERARCHICAL NANOTUBES SELF-ASSEMBLED FROM ORDERED NANOPLATES FOR PROMISING PHOTOCATALYTIC APPLICATIONS	LI, LX;SUN, XF;XIAN, T;GAO, HJ;WANG, SF;YI, Z;WU, XW;YANG, H	PHYSICAL CHEMISTRY CHEMICAL PHYSICS 24 (14): 8279-8295 APR 6 2022	CHEMISTRY	44	LANZHOU UNIV TECHNOL, STATE KEY LAB ADV PROC & RECYCLING NONFERROUS MET, LANZHOU 730050, PEOPLES R CHINA;QINGHAI NORMAL UNIV, COLL PHYS & ELECT INFORMAT ENGN, XINING 810008, PEOPLES R CHINA;CHONGQING THREE GORGES UNIV, SCH ELECT & INFORMAT ENGN, WANZHOU 404000, PEOPLES R CHINA;SOUTHWEST UNIV SCI & TECHNOL, JOINT LAB EXTREME CONDIT MATTER PROPERTIES, MIANYANG 621010, SICHUAN, PEOPLES R CHINA;JISHOU UNIV, SCH CHEM & CHEM ENGN, JISHOU 416000, PEOPLES R CHINA	2022
7	MEMRISTIVE RULKOV NEURON MODEL WITH MAGNETIC INDUCTION EFFECTS	LI, KX;BAO, H;LI, HZ;MA, J;HUA, ZY;BAO, BC	IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS 18 (3): 1726-1736 MAR 2022	ENGINEERING	44	CHANGZHOU UNIV, SCH MICROELECT & CONTROL ENGN, CHANGZHOU 213164, PEOPLES R CHINA;LANZHOU UNIV TECHNOL, DEPT PHYS, LANZHOU 730050, PEOPLES R CHINA;HARBIN INST TECHNOL, SCH COMP SCI & TECHNOL, SHENZHEN 518055, PEOPLES R CHINA	2022

8	COMPARATIVE INVESTIGATION ON SYNTHESIS, MORPHOLOGICAL TAILORING AND PHOTOCATALYTIC ACTIVITIES OF BI2O2CO3 NANOSTRUCTURES	LI, LX;GAO, HJ;YI, Z;WANG, SF;WU, XW;LI, RS;YANG, H	COLLOIDS AND SURFACES A-PHYSCOCHEMICAL AND ENGINEERING ASPECTS 644: - JUL 5 2022	CHEMISTRY	41	LANZHOU UNIV TECHNOL, STATE KEY LAB ADV PROC & RECYCLING NONFERROUS MET, LANZHOU 730050, PEOPLES R CHINA;SOUTHWEST UNIV SCI & TECHNOL, JOINT LAB EXTREME CONDIT MATTER PROPERTIES, MIANYANG 621010, SICHUAN, PEOPLES R CHINA;CHONGQING THREE GORGES UNIV, SCH ELECT & INFORMAT ENGN, WANZHOU 404000, PEOPLES R CHINA;JISHOU UNIV, SCH CHEM & CHEM ENGN, JISHOU 416000, PEOPLES R CHINA	2022
9	DESIGN OF ULTRA-NARROW BAND GRAPHENE REFRACTIVE INDEX SENSOR	SHANGGUAN, QY;CHEN, ZH;YANG, H;CHENG, SB;YANG, WX;YI, Z;WU, XW;WANG, SF;YI, YG;WU, PH	SENSORS 22 (17): - SEP 2022	CHEMISTRY	35	YANGTZE UNIV, SCH PHYS & OPTOELECT ENGN, JINGZHOU 434023, PEOPLES R CHINA;UNIV ELECT SCI & TECHNOL CHINA, STATE KEY LAB ELECT THIN FILM & INTEGRATED DEVICE, SCH ELECT SCI & ENGN, CHENGDU 610054, PEOPLES R CHINA;LANZHOU UNIV TECHNOL, STATE KEY LAB ADV PROC & RECYCLING NONFERROUS MET, LANZHOU 730050, PEOPLES R CHINA;SOUTHWEST UNIV SCI & TECHNOL, JOINT LAB EXTREME CONDIT MATTER PROPERTIES, MIANYANG 621010, SICHUAN, PEOPLES R CHINA;JISHOU UNIV, SCH CHEM & CHEM ENGN, JISHOU 416000, PEOPLES R CHINA;CHONGQING THREE GORGES UNIV, SCH ELECT & INFORMAT ENGN, CHONGQING 404000, PEOPLES R CHINA;CENT SOUTH UNIV, COLL PHYS & ELECT, CHANGSHA 410083, PEOPLES R CHINA;QUANZHOU NORMAL UNIV, FUJIAN PROV KEY LAB ADV MICRONANO PHOTON TECHNOL, QUANZHOU 362000, PEOPLES R CHINA	2022

10	SYNTHESIS OF A SELF-ASSEMBLED DUAL MORPHOLOGIES AG-NPS/SRMOO4 PHOTOCATALYST WITH LSPR EFFECT FOR THE DEGRADATION OF METHYLENE BLUE DYE	GU, YF;GUO, BB;YI, Z;WU, XW;ZHANG, J;YANG, H	CHEMISTRYSELECT 7 (29): - AUG 5 2022	CHEMISTRY	14	LANZHOU UNIV TECHNOL, STATE KEY LAB ADV PROC & RECYCLING NONFERROUS MET, LANZHOU 730050, PEOPLES R CHINA;SOUTHWEST UNIV SCI & TECHNOL, JOINT LAB EXTREME CONDIT MATTER PROPERTIES, MIANYANG 621010, SICHUAN, PEOPLES R CHINA;JISHOU UNIV, SCH CHEM & CHEM ENGN, JISHOU 416000, PEOPLES R CHINA	2022
11	MORPHOLOGY MODULATION OF HOLLOW-SHELL ZNS(OH)(6) FOR ENHANCED PHOTODEGRADATION OF METHYLENE BLUE	GU, YF;GUO, BB;YI, Z;WU, XW;ZHANG, J;YANG, H	COLLOIDS AND SURFACES A-PHYSCOCHEMICAL AND ENGINEERING ASPECTS 653: - NOV 20 2022	CHEMISTRY	13	LANZHOU UNIV TECHNOL, STATE KEY LAB ADV PROC & RECYCLING NONFERROUS MET, LANZHOU 730050, PEOPLES R CHINA;SOUTHWEST UNIV SCI & TECHNOL, JOINT LAB EXTREME CONDIT MATTER PROPERTIES, MIANYANG 621010, PEOPLES R CHINA;JISHOU UNIV, SCH CHEM & CHEM ENGN, JISHOU 416000, PEOPLES R CHINA	2022



### 三、学科数据走势

表1 兰州理工大学 ESI 工程学数据走势

更新时间	数据覆盖范围	工程学文章数量	总被引频次	世界排名	进入机构总数	高被引论文数量	热点论文数量
2022年3月	2011年1月—2021年12月	1360	11003	822	1953	14	0
2022年5月	2012年1月—2022年2月	1402	11047	796	1928	13	0
2022年7月	2012年1月—2022年4月	1463	11734	790	1978	13	0
2022年9月	2012年1月—2022年6月	1521	12621	782	2029	16	1
2022年11月	2012年1月—2022年8月	1590	13494	767	2078	16	0
2023年1月	2012年1月—2022年10月	1670	14552	758	2135	16	0
2023年3月	2012年1月—2022年12月	1769	15688	751	2189	16	1

表2 兰州理工大学 ESI 材料科学数据走势

更新时间	数据覆盖范围	材料科学文章数量	总被引频次	世界排名	进入机构总数	高被引论文数量	热点论文数量
2022年3月	2011年1月—2021年12月	2072	23102	508	1132	25	3
2022年5月	2012年1月—2022年2月	2104	23919	478	1118	21	0
2022年7月	2012年1月—2022年4月	2169	25172	475	1141	23	0

2022年9月	2012年1月—2022年6月	2255	26672	469	1171	19	0
2022年11月	2012年1月—2022年8月	2314	27968	465	1197	14	0
2023年1月	2012年1月—2022年10月	2409	29615	462	1226	11	0
2023年3月	2012年1月—2022年12月	2494	31438	457	1260	8	0

表3 兰州理工大学 ESI 化学数据走势

更新时间	数据覆盖范围	化学文章数量	总被引频次	世界排名	进入机构总数	高被引论文数量	热点论文数量
2022年3月	2011年1月—2021年12月	1104	13132	1212	1577	12	0
2022年5月	2012年1月—2022年2月	1104	13570	1133	1551	10	1
2022年7月	2012年1月—2022年4月	1146	14154	1133	1584	14	2
2022年9月	2012年1月—2022年6月	1190	14902	1122	1622	15	4
2022年11月	2012年1月—2022年8月	1224	15604	1109	1662	16	6
2023年1月	2012年1月—2022年10月	1276	16456	1101	1702	14	6
2023年3月	2012年1月—2022年12月	1310	17498	1071	1749	15	9