

北京邮电大学ESI学科排名动态快报（2018年9月数据）

提要

美国基本科学指标（Essential Science Indicator, ESI）2018年9月14日最新统计数据表明：我校工程、计算机、物理学3个学科进入ESI排名。本期我校高被引论文有79篇，热点论文2篇。

我校论文整体情况

2018年9月14日ESI最新统计数据表明，我校10年6个月间（2008年1月1日至2018年6月30日）被SCIE/SSCI收录论文情况如下：

本期（2018年9月14日）全球共有5701个机构进入世界1%，我校位列第1778名，排名百分位31.2%；其中中国大陆共有351所高校进入世界1%，我校位列第132名，排名百分位37.6%。

表1 我校ESI整体情况分析（ALL FIELDS的排名数据）

学校	全球排名/入选前1%机构数	全球排名百分位	与上期全球排名比较	WOS论文数量	被引频次	篇均被引	高被引论文数
北京邮电大学	1778/5701	31.2%	-13	9095	49922	5.49	79

论文数量9095篇，在入围的5701所机构中排名848名；

论文总被引次数49922次，在入围的5701所机构中排名1778名；

论文篇均被引次数5.49次，在入围的5701所机构中排名5602名。

我校 ESI 学科排名情况

本期我校共有 3 个学科进入世界前 1%，分别为：计算机、工程、物理。与 2018 年 7 月 13 日数据相比，计算机科学学科排名上升了 1 位、工程学科排名上升了 5 位、物理学科排名下降了 9 位。

表 2 我校在全球研究机构中排名进入前 1%的学科及排名（2018 年 9 月）

学科	引用次数	引用次数排名	论文篇数	篇数排名	篇均被引次数	篇均被引次数排名
计算机	14489	46/428	2957	14/428	4.90	413/428
工程	10397	439/1376	2328	195/1376	4.47	1350/1376
物理	18787	705/713	2767	291/713	6.79	710/713
ALL FIELDS	49922	1778/5701	9095	848/5701	5.49	5602/5701

我校热点论文 Hot Papers

热点论文（HOT PAPERS）是指近2年内发表并且在最近2个月内被引用次数进入所属学科领域前0.1%的论文。本期我校共有2篇文章入选全球热点论文行列。

表 3 Hot CITED PAPERS FOR (BEIJING UNIV POSTS & TELECOMMUN)

Article Name	Authors	Source	Research Field	Times Cited	Publication Date
Analytic solutions for the generalized complex Ginzburg-Landau equation in fiber lasers	Liu, WJ; Yu, WT; Yang, CY; Liu, ML; Zhang, YJ; Lei, M.	NONLINEAR DYNAMICS 89 (4): 2933-2939 SEP 2017	ENGINEERING	25	2017
A Generic Construction of Quantum-Oblivious-Key-Transfer-Based Private Query with Ideal Database Security	WEI, CY; CAI, XQ; LIU, B; WANG, TY; GAO, F	IEEE TRANS COMPUT 67 (1): 2-8 JAN 2018	COMPUTER SCIENCE	6	2018

and Zero Failure					
------------------	--	--	--	--	--

我校高被引论文及其学科分布

高被引论文 (highly Cited papers) 是指过去10年中所发表的论文，被引用频次在该学科中相同发表年的论文中排名前1%的论文。

本期ESI数据显示，我校高被引论文共计79篇，表4具体列出了各学科高被引论文数量，其中计算机41篇位居第一，物理、工程各11篇，并列第二位，数学8篇排名第四位。除以上我校优势学科外，材料学、化学两个学科也有贡献。79篇高被引论文的学科分布见下表：

表4 北京邮电大学高被引论文学科分布 (2018年9月数据) 排序

排序	学科	高被引论文数
1	计算机 COMPUTER SCIENCE	41
2	物理 PHYSICS	11
3	工程 ENGINEERING	11
4	数学 MATHEMATICS	8
5	材料 MATERIALS SCIENCE	5
6	化学 CHEMISTRY	3

表5 HIGHLY CITED PAPERS FOR (BEIJING UNIV POSTS & TELECOMMUN)

Article Name	Authors	Source	Research Field	Times Cited	Publication Date
ONE-STEP SYNTHESIS OF EASY-RECYCLING TiO ₂ -RGO NANOCOMPOSITE PHOTOCATALYSTS WITH ENHANCED PHOTOCATALYTIC ACTIVITY	WANG, P;WANG, J;WANG, XF;YU, HG;YU, JG;LEI, M;WANG, YG	APPL CATAL B-ENVIRON 132: 452-459 MAR 27 2013	CHEMISTRY	170	2013
EXTENDED SRC: UNDERSAMPLED FACE RECOGNITION VIA INTRAClass VARIANT DICTIONARY	DENG, WH;HU, JN;GUO, J	IEEE TRANS PATT ANAL MACH INT 34 (9): 1864-1870 SEP 2012	ENGINEERING	149	2012

ENTANGLEMENT PURIFICATION AND CONCENTRATION OF ELECTRON-SPIN ENTANGLED STATES USING QUANTUM-DOT SPINS IN OPTICAL MICROCAVITIES	WANG, C;ZHANG, Y;JIN, GS	PHYS REV A 84 (3): - SEP 8 2011	PHYSICS	143	2011
RISE OF SILICENE: A COMPETITIVE 2D MATERIAL	ZHAO, JJ;LIU, HS;YU, ZM;QUHE, RG;ZHOU, S;WANG, YY;LIU, CC;ZHONG, HX;HAN, NN;LU, J;YAO, YG;WU, KH	PROG MATER SCI 83: 24-151 OCT 2016	MATERIALS SCIENCE	137	2016
APPLICATIONS OF VARIATIONAL METHODS TO BOUNDARY-VALUE PROBLEM FOR IMPULSIVE DIFFERENTIAL EQUATIONS	TIAN, Y;GE, WG	PROC EDINBURGH MATH SOC 51: 509-527 PART 2 JUN 2008	MATHEMATICS	134	2008
COOPERATIVE NON-ORTHOGONAL MULTIPLE ACCESS IN 5G SYSTEMS	DING, ZG;PENG, MG;POOR, HV	IEEE COMMUN LETT 19 (8): 1462-1465 AUG 2015	COMPUTER SCIENCE	131	2015
HOME M2M NETWORKS: ARCHITECTURES, STANDARDS, AND QOS IMPROVEMENT	ZHANG, Y;YU, R;XIE, SL;YAO, WQ;XIAO, Y;GUIZANI, M	IEEE COMMUN MAG 49 (4): 44-52 APR 2011	COMPUTER SCIENCE	122	2011
APPLICATION OF SMART ANTENNA TECHNOLOGIES IN SIMULTANEOUS WIRELESS INFORMATION AND POWER TRANSFER	DING, ZG;ZHONG, CJ;NG, DWK;PENG, MG;SURAWEEER A, HA;SCHOBER, R;POOR, HV	IEEE COMMUN MAG 53 (4): 86-93 APR 2015	COMPUTER SCIENCE	122	2015
HETEROGENEOUS CLOUD RADIO	PENG, MG;LI, Y;JIANG, JM;LI,	IEEE WIREL COMMUN 21	COMPUTER SCIENCE	122	2014

ACCESS NETWORKS: A NEW PERSPECTIVE FOR ENHANCING SPECTRAL AND ENERGY EFFICIENCIES	J;WANG, CG	(6): 126-135 DEC 2014			
RESOURCE ALLOCATION IN SPECTRUM-SHARING OFDMA FEMTOCELLS WITH HETEROGENEOUS SERVICES	ZHANG, HJ;JIANG, CX;BEAULIEU, NC;CHU, XL;WEN, XM;TAO, MX	IEEE TRANS COMMUN 62 (7): 2366-2377 JUL 2014	COMPUTER SCIENCE	117	2014
PHYSARUM OPTIMIZATION: A BIOLOGY-INSPIRED ALGORITHM FOR THE STEINER TREE PROBLEM IN NETWORKS	LIU, L;SONG, YN;ZHANG, HY;MA, HD;VASILAKOS, AV	IEEE TRANS COMPUT 64 (3): 819-U14 MAR 2015	COMPUTER SCIENCE	113	2015
FABRICATION OF BETA-GA2O3 THIN FILMS AND SOLAR-BLIND PHOTODETECTORS BY LASER MBE TECHNOLOGY	GUO, DY;WU, ZP;LI, PG;AN, YH;LIU, H;GUO, XC;YAN, H;WANG, GF;SUN, CL;LI, LH;TANG, WH	OPT MATER EXPRESS 4 (5): 1067-1076 MAY 1 2014	MATERIALS SCIENCE	111	2014
VIRTUAL NETWORK EMBEDDING THROUGH TOPOLOGY-AWARE NODE RANKING	CHENG, X;SU, S;ZHANG, ZB;WANG, HC;YANG, FC;LUO, Y;WANG, J	ACM SIGCOMM COMP COMMUN REV 41 (2): 39-47 APR 2011	COMPUTER SCIENCE	109	2011
RADIO RESOURCE ALLOCATION IN LTE-ADVANCED CELLULAR NETWORKS WITH M2M COMMUNICATIONS	ZHENG, K;HU, FL;WANG, WB;XIANG, W;DOHLER, M	IEEE COMMUN MAG 50 (7): 184-192 JUL 2012	COMPUTER SCIENCE	109	2012
CRYPTANALYSIS AND IMPROVEMENT OF A BIOMETRICS-BASED REMOTE USER	LI, X;NIU, JW;MA, J;WANG, WD;LIU, CL	J NETW COMPUT APPL 34 (1): 73-79 JAN 2011	COMPUTER SCIENCE	108	2011

AUTHENTICATION SCHEME USING SMART CARDS					
AN EFFICIENT AND SECURITY DYNAMIC IDENTITY BASED AUTHENTICATION PROTOCOL FOR MULTI-SERVER ARCHITECTURE USING SMART CARDS	LI, X;XIONG, YP;MA, J;WANG, WD	J NETW COMPUT APPL 35 (2): 763-769 MAR 2012	COMPUTER SCIENCE	105	2012
ENERGY-EFFICIENT RESOURCE ALLOCATION FOR HETEROGENEOUS COGNITIVE RADIO NETWORKS WITH FEMTOCELLS	XIE, RC;YU, FR;JI, H;LI, Y	IEEE TRANS WIREL COMMUN 11 (11): 3910-3920 NOV 2012	COMPUTER SCIENCE	102	2012
IN-BAND FULL-DUPLEX RELAYING: A SURVEY, RESEARCH ISSUES AND CHALLENGES	LIU, G;YU, FR;JI, H;LEUNG, VCM;LI, X	IEEE COMMUN SURV TUTOR 17 (2): 500-524 2015	COMPUTER SCIENCE	100	2015
SYSTEM ARCHITECTURE AND KEY TECHNOLOGIES FOR 5G HETEROGENEOUS CLOUD RADIO ACCESS NETWORKS	PENG, MG;LI, Y;ZHAO, ZY;WANG, CG	IEEE NETWORK 29 (2): 6-14 MAR-APR 2015	COMPUTER SCIENCE	95	2015
A BIOLOGY-BASED ALGORITHM TO MINIMAL EXPOSURE PROBLEM OF WIRELESS SENSOR NETWORKS	SONG, YM;LIU, L;MA, HD;VASILAKOS, AV	IEEE TRANS NETW SERV MANAG 11 (3): 417-430 SEP 2014	COMPUTER SCIENCE	94	2014
ULTRATHIN Li3VO4 NANORIBBON/GRAPHENE SANDWICH-LIKE NANOSTRUCTURES WITH ULTRAHIGH LITHIUM ION STORAGE PROPERTIES	LIU, J;LU, PJ;LIANG, S;LIU, J;WANG, W;LEI, M;TANG, S;YANG, Q	NANO ENERGY 12: 709-724 MAR 2015	MATERIALS SCIENCE	86	2015

A NOVEL SMART CARD AND DYNAMIC ID BASED REMOTE USER AUTHENTICATION SCHEME FOR MULTI-SERVER ENVIRONMENTS	LI, X;MA, J;WANG, WD;XIONG, YP;ZHANG, JS	MATH COMPUT MODELLING 58 (1-2): 85-95 JUL 2013	ENGINEERING	80	2013
OPPORTUNITIES IN MOBILE CROWD SENSING	MA, HD;ZHAO, D;YUAN, PY	IEEE COMMUN MAG 52 (8): 29-35 AUG 2014	COMPUTER SCIENCE	80	2014
FRONTHAUL-CONSTRAINED CLOUD RADIO ACCESS NETWORKS: INSIGHTS AND CHALLENGES	PENG, MG;WANG, CG;LAU, V;POOR, HV	IEEE WIREL COMMUN 22 (2): 152-160 APR 2015	COMPUTER SCIENCE	78	2015
NOVEL IMAGE COMPRESSION-ENCRYPTION HYBRID ALGORITHM BASED ON KEY-CONTROLLED MEASUREMENT MATRIX IN COMPRESSIVE SENSING	ZHOU, NR;ZHANG, AD;ZHENG, F;GONG, LH	OPT LASER TECHNOL 62: 152-160 OCT 2014	ENGINEERING	77	2014
CMT-QA: QUALITY-AWARE ADAPTIVE CONCURRENT MULTIPATH DATA TRANSFER IN HETEROGENEOUS WIRELESS NETWORKS	XU, CQ;LIU, TJ;GUAN, JF;ZHANG, HK;MUNTEAN, GM	IEEE TRANS MOB COMPUT 12 (11): 2193-2205 NOV 2013	COMPUTER SCIENCE	71	2013
A NEW USER SIMILARITY MODEL TO IMPROVE THE ACCURACY OF COLLABORATIVE FILTERING	LIU, HF;HU, Z;MIAN, A;TIAN, H;ZHU, XZ	KNOWL-BASED SYST 56: 156-166 JAN 2014	COMPUTER SCIENCE	67	2014
QOE-DRIVEN USER-CENTRIC VOD SERVICES IN URBAN MULTIHOMED P2P-BASED	XU, CQ;ZHAO, FT;GUAN, JF;ZHANG, HK;MUNTEAN, GM	IEEE TRANS VEH TECHNOL 62 (5): 2273-2289 JUN 2013	ENGINEERING	67	2013

VEHICULAR NETWORKS					
ACHIEVING MAXIMUM ENERGY-EFFICIENCY IN MULTI-RELAY OFDMA CELLULAR NETWORKS: A FRACTIONAL PROGRAMMING APPROACH	CHEUNG, KTK; YANG, SS; HANZO, L	IEEE TRANS COMMUN 61 (7): 2746-2757 JUL 2013	COMPUTER SCIENCE	66	2013
ENERGY-EFFICIENT RESOURCE ASSIGNMENT AND POWER ALLOCATION IN HETEROGENEOUS CLOUD RADIO ACCESS NETWORKS	PENG, MG; ZHANG, KC; JIANG, JM; WANG, JH; WANG, WB	IEEE TRANS VEH TECHNOL 64 (11): 5275-5287 NOV 2015	ENGINEERING	61	2015
INTERFACIAL PROPERTIES OF MONOLAYER AND BILAYER MOS ₂ CONTACTS WITH METALS: BEYOND THE ENERGY BAND CALCULATIONS	ZHONG, HX; QUHE, RG; WANG, YY; NI, ZY; YE, M; SONG, ZG; PAN, YY; YANG, JB; YANG, L; LEI, M; SHI, JJ; LU, J	SCI REP 6: - MAR 1 2016	PHYSICS	61	2016
SYNCHRONIZATION CONTROL OF MEMRISTOR-BASED RECURRENT NEURAL NETWORKS WITH PERTURBATIONS	WANG, WP; LI, LX; PENG, HP; XIAO, JH; YANG, YX	NEURAL NETWORKS 53: 8-14 MAY 2014	COMPUTER SCIENCE	59	2014
PAIRWISE ROTATION INVARIANT CO-OCCURRENCE LOCAL BINARY PATTERN	QI, XB; XIAO, R; LI, CG; QIAO, Y; GUO, J; TANG, XO	IEEE TRANS PATT ANAL MACH INT 36 (11): 2199-2213 NOV 2014	ENGINEERING	56	2014
DISTORTION-AWARE CONCURRENT MULTIPATH TRANSFER FOR MOBILE VIDEO STREAMING IN	WU, JY; CHENG, B; YUEN, C; SHANG, YL; CHEN, JL	IEEE TRANS MOB COMPUT 14 (4): 688-701 APR 2015	COMPUTER SCIENCE	56	2015

HETEROGENEOUS WIRELESS NETWORKS					
SURVEY OF LARGE-SCALE MIMO SYSTEMS	ZHENG, K;ZHAO, L;MEI, J;SHAO, B;XIANG, W;HANZO, L	IEEE COMMUN SURV TUTOR 17 (3): 1738-1760 2015	COMPUTER SCIENCE	56	2015
A DATA DISSEMINATION MECHANISM FOR MOTORWAY ENVIRONMENT IN VANETS	YANG, Y;LIU, Q;GAO, ZP;QIU, XS;RUI, LL;LI, X	EURASIP J WIREL COMMUN NETW : - APR 2015	COMPUTER SCIENCE	53	2015
RECENT ADVANCES IN UNDERLAY HETEROGENEOUS NETWORKS: INTERFERENCE CONTROL, RESOURCE ALLOCATION, AND SELF-ORGANIZATION	PENG, MG;WANG, CG;LI, J;XIANG, HY;LAU, V	IEEE COMMUN SURV TUTOR 17 (2): 700-729 2015	COMPUTER SCIENCE	51	2015
FOG-COMPUTING-BASED RADIO ACCESS NETWORKS: ISSUES AND CHALLENGES	PENG, MG;YAN, S;ZHANG, KC;WANG, CG	IEEE NETWORK 30 (4): 46-53 JUL-AUG 2016	COMPUTER SCIENCE	49	2016
10 GB/S HETSNETS WITH MILLIMETER-WAVE COMMUNICATIONS: ACCESS AND NETWORKING - CHALLENGES AND PROTOCOLS	ZHENG, K;ZHAO, L;MEI, J;DOHLER, M;XIANG, W;PENG, YX	IEEE COMMUN MAG 53 (1): 222-231 JAN 2015	COMPUTER SCIENCE	49	2015
TOWARD 5G DENSENETS: ARCHITECTURAL ADVANCES FOR EFFECTIVE MACHINE-TYPE COMMUNICATIONS OVER FEMTOCELLS	CONDOLUCI, M;DOHLER, M;ARANITI, G;MOLINARO, A;ZHENG, K	IEEE COMMUN MAG 53 (1): 134-141 JAN 2015	COMPUTER SCIENCE	47	2015
USER-CENTRIC ULTRA-DENSE NETWORKS FOR 5G: CHALLENGES,	CHEN, SZ;QIN, F;HU, B;LI, X;CHEN, ZL	IEEE WIREL COMMUN 23 (2): 78-85 APR 2016	COMPUTER SCIENCE	46	2016

METHODOLOGIES, AND DIRECTIONS					
HETEROGENEOUS VEHICULAR NETWORKING: A SURVEY ON ARCHITECTURE, CHALLENGES, AND SOLUTIONS	ZHENG, K;ZHENG, Q;CHATZIMISIO S, P;XIANG, W;ZHOU, YQ	IEEE COMMUN SURV TUTOR 17 (4): 2377-2396 2015	COMPUTER SCIENCE	43	2015
BIG DATA-DRIVEN OPTIMIZATION FOR MOBILE NETWORKS TOWARD 5G	ZHENG, K;YANG, Z;ZHANG, K;CHATZIMISIO S, P;YANG, K;XIANG, W	IEEE NETWORK 30 (1): 44-51 JAN-FEB 2016	COMPUTER SCIENCE	41	2016
DOES P-TYPE OHMIC CONTACT EXIST IN WSE2-METAL INTERFACES?	WANG, YY;YANG, RX;QUHE, R;ZHONG, HX;CONG, LX;YE, M;NI, ZY;SONG, ZG;YANG, JB;SHI, JJ;LI, J;LU, J	NANOSCALE 8 (2): 1179-1191 2016	PHYSICS	41	2016
A NOVEL DESIGN FOR CONTENT DELIVERY OVER SOFTWARE DEFINED MOBILE SOCIAL NETWORKS	SU, Z;XU, QC;ZHU, HJ;WANG, Y	IEEE NETWORK 29 (4): 62-67 JUL-AUG 2015	COMPUTER SCIENCE	41	2015
PRIVACY-PRESERVIN G SELF-HELPED MEDICAL DIAGNOSIS SCHEME BASED ON SECURE TWO-PARTY COMPUTATION IN WIRELESS SENSOR NETWORKS	SUN, Y;WEN, QY;ZHANG, YD;LI, WM	COMPUT MATH METHOD MED : - 2014	MATHEMATIC S	39	2014
JOINT RELAY-AND-ANTENN A SELECTION AND POWER ALLOCATION FOR AF MIMO TWO-WAY RELAY	WANG, XX;ZHOU, J;WANG, DY	KSII TRANS INTERNET INF SYST 10 (3): 1016-1033 MAR 31 2016	COMPUTER SCIENCE	37	2016

NETWORKS					
RECENT ADVANCES IN CLOUD RADIO ACCESS NETWORKS: SYSTEM ARCHITECTURES, KEY TECHNIQUES, AND OPEN ISSUES	PENG, MG;SUN, YH;LI, XL;MAO, ZD;WANG, CG	IEEE COMMUN SURV TUTOR 18 (3): 2282-2308 2016	COMPUTER SCIENCE	36	2016
TUNGSTEN DISULPHIDE FOR ULTRASHORT PULSE GENERATION IN ALL-FIBER LASERS	LIU, WJ;PANG, LH;HAN, HN;BI, K;LEI, M;WEI, ZY	NANOSCALE 9 (18): 5806-5811 MAY 14 2017	PHYSICS	35	2017
DARK SOLITON CONTROL IN INHOMOGENEOUS OPTICAL FIBERS	LIU, WJ;HUANG, LG;HUANG, P;LI, YQ;LEI, M	APPL MATH LETT 61: 80-87 NOV 2016	MATHEMATICS	34	2016
TUNGSTEN DISULFIDE SATURABLE ABSORBERS FOR 67 FS MODE-LOCKED ERBIUM-DOPED FIBER LASERS	LIU, WJ;PANG, LH;HAN, HN;LIU, ML;LEI, M;FANG, SB;TENG, H;WEI, ZY	OPT EXPRESS 25 (3): 2950-2959 FEB 6 2017	PHYSICS	33	2017
UPLINK NONORTHOGONAL MULTIPLE ACCESS IN 5G SYSTEMS	ZHANG, NB;WANG, J;KANG, GX;LIU, Y	IEEE COMMUN LETT 20 (3): 458-461 MAR 2016	COMPUTER SCIENCE	31	2016
PATTERN DIVISION MULTIPLE ACCESS-A NOVEL NONORTHOGONAL MULTIPLE ACCESS FOR FIFTH-GENERATION RADIO NETWORKS	CHEN, SZ;REN, B;GAO, QB;KANG, SL;SUN, SH;NIU, K	IEEE TRANS VEH TECHNOL 66 (4): 3185-3196 APR 2017	ENGINEERING	30	2017
ON THE OUTAGE PROBABILITY OF DEVICE-TO-DEVICE-COMMUNICATION-ENABLED MULTICHANNEL CELLULAR NETWORKS: AN RSS-THRESHOLD-BASED PERSPECTIVE	LIU, JJ;NISHIYAMA, H;KATO, N;GUO, J	IEEE J SEL AREA COMMUN 34 (1): 163-175 JAN 2016	COMPUTER SCIENCE	29	2016

A VERTICAL HANDOFF METHOD VIA SELF-SELECTION DECISION TREE FOR INTERNET OF VEHICLES	WANG, SG;FAN, CQ;HSU, CH;SUN, QB;YANG, FC	IEEE SYST J 10 (3): 1183-1192 SEP 2016	COMPUTER SCIENCE	27	2016
SIGNIFICANTLY ENHANCED ENERGY STORAGE PERFORMANCE PROMOTED BY ULTIMATE SIZED FERROELECTRIC BATIO3 FILLERS IN NANOCOMPOSITE FILMS	HAO, YN;WANG, XH;BI, K;ZHANG, JM;HUANG, YH;WU, LW;ZHAO, PY;XU, K;LEI, M;LI, LT	NANO ENERGY 31: 49-56 JAN 2017	MATERIALS SCIENCE	27	2017
SENSING TIME OPTIMIZATION AND POWER CONTROL FOR ENERGY EFFICIENT COGNITIVE SMALL CELL WITH IMPERFECT HYBRID SPECTRUM SENSING	ZHANG, HJ;NIE, YN;CHENG, J;LEUNG, VCM;NALLANAT HAN, A	IEEE TRANS WIREL COMMUN 16 (2): 730-743 FEB 2017	COMPUTER SCIENCE	26	2017
ANALYTIC SOLUTIONS FOR THE GENERALIZED COMPLEX GINZBURG-LANDAU EQUATION IN FIBER LASERS	LIU, WJ;YU, WT;YANG, CY;LIU, ML;ZHANG, YJ;LEI, M	NONLINEAR DYNAMICS 89 (4): 2933-2939 SEP 2017	ENGINEERING	25	2017
DYNAMIC BEHAVIORS FOR A PERTURBED NONLINEAR SCHRODINGER EQUATION WITH THE POWER-LAW NONLINEARITY IN A NON-KERR MEDIUM	CHAI, J;TIAN, B;ZHEN, HL;SUN, WR;LIU, DY	COMMUN NONLINEAR SCI NUMER SI 45: 93-103 APR 2017	PHYSICS	24	2017
VAPOR-SOLID SYNTHESIS OF MONOLITHIC SINGLE-CRYSTALLINE COP NANOWIRE	LI, W;GAO, XF;XIONG, DH;XIA, F;LIU, J;SONG, WG;XU, JY;THALLURI,	CHEM SCI 8 (4): 2952-2958 APR 1 2017	CHEMISTRY	23	2017

ELECTRODES FOR EFFICIENT AND ROBUST WATER ELECTROLYSIS	SM;CERQUEIRA, MF;FU, XL;LIU, LF				
FAST ASSEMBLY OF AG ₃ PO ₄ NANOPARTICLES WITHIN THREE-DIMENSIONAL GRAPHENE AEROGELS FOR EFFICIENT PHOTOCATALYTIC OXYGEN EVOLUTION FROM WATER SPLITTING UNDER VISIBLE LIGHT	CUI, C;LI, S;QIU, YW;HU, HH;LI, XY;LI, CR;GAO, JK;TANG, WH	APPL CATAL B-ENVIRON 200: 666-672 JAN 2017	CHEMISTRY	23	2017
ZERO-POWER-CONSUMPTION SOLAR-BLIND PHOTODETECTOR BASED ON BETA-GA ₂ O ₃ /NSTO HETEROJUNCTION	GUO, DY;LIU, H;LI, PG;WU, ZP;WANG, SL;CUI, C;LI, CR;TANG, WH	ACS APPL MATER INTERFACES 9 (2): 1619-1628 JAN 18 2017	MATERIALS SCIENCE	22	2017
A SURVEY ON MOBILE EDGE NETWORKS: CONVERGENCE OF COMPUTING, CACHING AND COMMUNICATIONS	WANG, S;ZHANG, X;ZHANG, Y;WANG, L;YANG, J;WANG, WB	IEEE ACCESS 5: 6757-6779 2017	ENGINEERING	22	2017
ON CERTAIN BRIGHT SOLITON INTERACTIONS OF THE SASA-SATSUMA EQUATION IN A MONOMODE OPTICAL FIBER	LIU, L;TIAN, B;CHAI, HP;YUAN, YQ	PHYS REV E 95 (3): - MAR 6 2017	PHYSICS	22	2017
SOLITONS AND ROUGE WAVES FOR A GENERALIZED (3+1)-DIMENSIONAL VARIABLE-COEFFICIENT KADOMTSEV-PETVIASHVILI EQUATION IN FLUID MECHANICS	CHAI, J;TIAN, B;SUN, WR;XIE, XY	COMPUT MATH APPL 71 (10): 2060-2068 MAY 2016	MATHEMATICS	20	2016

EFFECT OF HIGH-ORDER DISPERSION ON THREE-SOLITON INTERACTIONS FOR THE VARIABLE-COEFFICIENTS HIROTA EQUATION	LIU, WJ;YANG, CY;LIU, ML;YU, WT;ZHANG, YJ;LEI, M	PHYS REV E 96 (4): - OCT 2 2017	PHYSICS	19	2017
SOLITONS, BILINEAR BACKLUND TRANSFORMATIONS AND CONSERVATION LAWS FOR A (2+1)-DIMENSIONAL BOGOYAVLENSKII-KADOMTSEV-PETVIASHILIEQUATION IN A FLUID, PLASMA OR FERROMAGNETIC THIN FILM	YIN, HM;TIAN, B;ZHEN, HL;CHAI, J;LIU, L;SUN, Y	J MOD OPTIC 64 (7): 725-731 NOV 2017	PHYSICS	18	2017
ON THE SPECTRAL EFFICIENCY AND SECURITY ENHANCEMENTS OF NOMA ASSISTED MULTICAST-UNICAST STREAMING	DING, ZG;ZHAO, ZY;PENG, MG;POOR, HV	IEEE TRANS COMMUN 65 (7): 3151-3163 JUL 2017	COMPUTER SCIENCE	17	2017
CACHING IN THE SKY: PROACTIVE DEPLOYMENT OF CACHE-ENABLED UNMANNED AERIAL VEHICLES FOR OPTIMIZED QUALITY-OF-EXPERIENCE	CHEN, MZ;MOZAFFARI, M;SAAD, W;YIN, CC;DEBBAH, M;HONG, CS	IEEE J SEL AREA COMMUN 35 (5): 1046-1061 MAY 2017	COMPUTER SCIENCE	16	2017
MASSIVE INTERNET OF THINGS FOR INDUSTRIAL APPLICATIONS	MUMTAZ, S;ALSOHAILY, A;PANG, ZB;RAYES, A;TSANG, KF;RODRIGUEZ, J	IEEE IND ELECTRON MAG 11 (1): 28-33 MAR 2017	ENGINEERING	15	2017

SOLITONS, PERIODIC WAVES, BREATHERS AND INTEGRABILITY FOR A NONISOSPECTRAL AND VARIABLE-COEFFICIENT FIFTH-ORDER KORTEWEG-DE VRIES EQUATION IN FLUIDS	ZHAO, XH;TIAN, B;LI, HM;GUO, YJ	APPL MATH LETT 65: 48-55 MAR 2017	MATHEMATICS	15	2017
DECORRELATION OF NEURAL VECTOR VARIABLES: THEORY AND APPLICATIONS	MA, ZY;XUE, JH;LEIJON, A;TAN, ZH;YANG, Z;GUO, J	IEEE TRANS NEURAL NETW LEARN 29 (1): 129-143 JAN 2018	COMPUTER SCIENCE	15	2018
SOLITONS AND BILINEAR BACKLUND TRANSFORMATIONS FOR A (3+1)-DIMENSIONAL YU-TODA-SASA-FUKUYAMA EQUATION IN A LIQUID OR LATTICE	YIN, HM;TIAN, B;CHAI, J;WU, XY;SUN, WR	APPL MATH LETT 58: 178-183 AUG 2016	MATHEMATICS	14	2016
ANALYTIC STUDY ON A (2+1)-DIMENSIONAL NONLINEAR SCHRÖDINGER EQUATION IN THE HEISENBERG FERROMAGNETISM	LIU, DY;TIAN, B;JIANG, Y;XIE, XY;WU, XY	COMPUT MATH APPL 71 (10): 2001-2007 MAY 2016	MATHEMATICS	13	2016
TITANIUM SELENIDE SATURABLE ABSORBER MIRROR FOR PASSIVE Q-SWITCHED ER-DOPED FIBER LASER	LIU, WJ;LIU, ML;LEI, M;FANG, SB;WEI, ZY	IEEE J SEL TOP QUANTUM ELECTR 24 (3): - MAY-JUN 2018	ENGINEERING	10	2018
H-INFINITY SLIDING MODE BASED SCALED CONSENSUS CONTROL FOR LINEAR MULTI-AGENT SYSTEMS WITH DISTURBANCES	ZHAO, L;JIA, YM;YU, JP;DU, JP	APPL MATH COMPUT 292: 375-389 JAN 1 2017	MATHEMATICS	9	2017

THREE-LAYER PHOSPHORENE-META L INTERFACES	ZHANG, XY;PAN, YY;YE, M;QUHE, R;WANG, YY;GUO, Y;ZHANG, H;DAN, Y;SONG, ZG;LI, JZ;YANG, JB;GUO, WL;LU, J	NANO RES 11 (2): 707-721 FEB 2018	PHYSICS	6	2018
A GENERIC CONSTRUCTION OF QUANTUM-OBLIVIOUS- KEY-TRANSFER-BASED PRIVATE QUERY WITH IDEAL DATABASE SECURITY AND ZERO FAILURE	WEI, CY;CAI, XQ;LIU, B;WANG, TY;GAO, F	IEEE TRANS COMPUT 67 (1): 2-8 JAN 2018	COMPUTER SCIENCE	6	2018
ULTRASHORT PULSE GENERATION IN MODE-LOCKED ERBIUM-DOPED FIBER LASERS WITH TUNGSTEN DISULFIDE SATURABLE ABSORBER	LIU, ML;LIU, WJ;PANG, LH;TENG, H;FANG, SB;WEI, ZY	OPT COMMUN 406: 72-75 SP. ISS. SI JAN 1 2018	PHYSICS	4	2018