

## 北京邮电大学 ESI 学科排名动态快报 (2021 年 7 月数据)

### 提要

美国基本科学指标 (Essential Science Indicator, ESI) 2021 年 7 月最新统计数据表明: 我校工程、计算机、物理学、材料 4 个学科进入 ESI 排名。本期我校高被引论文共有 162 篇, 热点论文 7 篇。

### 中国大陆高校情况

7 月 8 日, 科睿唯安发布了最新一期的国内高校 ESI 统计数据, 本次排名中, 中国内地一共 342 所高校有学科进入全球前 1% (北京协和医学院计入高校, 北京协和医院计入机构, 分开计算), 新增 3 所, 退出 0 所。新增高校为: 长春工业大学、北京信息科技大学、中欧国际工商学院。其中中欧国际工商学院 3 月曾进入。各新增高校均有 1 个学科入榜; 另有 9 个新晋机构。中国科学院大学进步 3 名以全球排名第 46 名居中国内地第一, 清华大学进步 1 名以全球排名第 64 名居第二, 北京大学进步 1 名以全球排名 73 名屈居第三。另外进入前 10 名大学还有: 上海交通大学、浙江大学、复旦大学、中山大学、中国科学技术大学、华中科技大学和南京大学。

新晋学科瞩目! 浙江大学的化学和中国科学院大学的环境与生态学从千分之一“闯入”万分之一学科, 成为唯“二”新晋 1 学科! 此外, 国防科技大学和河海大学的工程学以及东南大学材料科学也迈入新晋千分之一学科“大门”。截至目前, 共有来自中国内地 10 所高校的 14 个学科进入到最新 ESI 万分分之一学科的队列当中。清华大学目前已“坐拥”4 个万分之一学科, 实力强劲!

表 1 全国高校 ESI 排名情况

全国排名	中文名称	论文数	他引数	前1%数	前1‰数	全球排名	排名提升
101	南京邮电大学	9540	130155	4	0	1233	0
102	山东科技大学	10474	122474	6	0	1282	16
103	北京林业大学	10130	121376	7	0	1289	1
104	河南大学	10245	120462	7	0	1397	22
105	太原理工大学	11569	117823	3	0	1324	-1
106	北京邮电大学	13439	116326	4	1	1336	3
107	山西大学	10485	115073	6	0	1352	5
108	浙江师范大学	7333	113815	5	0	1366	-5
109	青岛科技大学	8902	111753	3	0	1378	10
110	杭州师范大学	7360	108291	6	0	1405	-6

## 我校论文整体情况

2021 年 7 月 ESI 最新统计数据表明，我校 10 年 4 个月（2011 年 1 月 1 日至 2021 年 4 月 30 日）被 SCIE/SSCI 收录论文情况如下：

本期（2021 年 7 月）全球共有 7264 个机构进入世界 1%，我校位列第 1336 名，排名百分位 18.3%；其中中国大陆共有 534 个科研机构进入世界 1%，我校位列第 133 名，排名百分位 24.9%。

表 2 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	1336/7264	18.3%	+3	13,439	116,326	8.66	162

论文数量 13,439 篇，在入围的 7264 所机构中排名 728 名；

论文总被引次数 116,326 次，在入围的 7264 所机构中排名 1336 名；

论文篇均被引次数 8.66 次，在入围的 7264 所机构中排名 6904

名。

## 我校 ESI 学科排名情况

本期我校共有 4 个学科进入世界前 1%，分别为：计算机、工程、物理、材料。与 2021 年 5 月 13 日数据相比，其中计算机学科排名不变；工程学科排名上升了 4 位；物理学科排名上升了 2 位；材料学科上升了 12 位。

表 3 我校在全球研究机构中排名进入前 1%的学科及排名（2021 年 7 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	38,082	27/567	4,183	8/567	9.10	454/567
工程	29,495	267/1765	4,138	128/1765	7.13	1632/1765
物理	30,559	657/780	3,382	258/780	9.04	772/780
材料	8,857	902/1038	505	886/1038	17.54	643/1038
ALL FIELDS	116,326	1336/7264	13,439	728/7264	8.66	6904/7264

## 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 7 篇文章入选全球热点论文行列。

表 4 Hot CITED PAPERS FOR (BEIJING UNIV POSTS & TELECOMMUN)

Article Name	Authors	Source	Research Field	Times Cited	Publication Date
WATER-WAVE SYMBOLIC COMPUTATION FOR THE EARTH, ENCELADUS AND TITAN: THE HIGHER-ORDER BOUSSINESQ-BURGERS SYSTEM, AUTO-AND NON-AUTO-BACKLUND TRANSFORMATIONS	GAO, XY;GUO, YJ;SHAN, WR	APPLIED MATHEMATICS LETTERS 104: - JUN 2020	MATHEMATICS	60	2020
DARK BREATHING WAVES, DARK LUMP WAVES AND LUMP WAVE-SOLITON INTERACTIONS FOR A (3+1)-	HU, CC;TIAN, B;YIN, HM;ZHANG,	COMPUTERS & MATHEMATICS WITH	MATHEMATICS	45	2019

DIMENSIONAL GENERALIZED KADOMTSEV-PETVIASHVILI EQUATION IN A FLUID	CR;ZHANG, Z	APPLICATIONS 78 (1): 166-177 JUL 1 2019			
LUMP, MIXED LUMP-STRIPE AND ROGUE WAVE-STRIPE SOLUTIONS OF A (3+1)-DIMENSIONAL NONLINEAR WAVE EQUATION FOR A LIQUID WITH GAS BUBBLES	WANG, M;TIAN, B;SUN, Y;ZHANG, Z	COMPUTERS & MATHEMATICS WITH APPLICATIONS 79 (3): 576-587 FEB 1 2020	MATHEMATICS	40	2020
VECTOR BRIGHT SOLITONS AND THEIR INTERACTIONS OF THE COUPLE FOKAS-LENELLS SYSTEM IN A BIREFRINGENT OPTICAL FIBER	ZHANG, CR;TIAN, B;QU, QX;LIU, L;TIAN, HY	ZEITSCHRIFT FUR ANGEWANDTE MATHEMATIK UND PHYSIK 71 (1): - JAN 2 2020	MATHEMATICS	37	2020
SHALLOW WATER IN AN OPEN SEA OR A WIDE CHANNEL: AUTO- AND NON-AUTO-BACKLUND TRANSFORMATIONS WITH SOLITONS FOR A GENERALIZED (2+1)-DIMENSIONAL DISPERSIVE LONG-WAVE SYSTEM	GAO, XY;GUO, YJ;SHAN, WR	CHAOS SOLITONS & FRACTALS 138: - SEP 2020	PHYSICS	19	2020
MAGNETO-OPTICAL/FERROMAGNETIC-MATERIAL COMPUTATION: BACKLUND TRANSFORMATIONS, BILINEAR FORMS AND N SOLITONS FOR A GENERALIZED (3+1)-DIMENSIONAL VARIABLE-COEFFICIENT MODIFIED KADOMTSEV-PETVIASHVILI SYSTEM	GAO, XY;GUO, YJ;SHAN, WR;YUAN, YQ;ZHANG, CR;CHEN, SS	APPLIED MATHEMATICS LETTERS 111: - JAN 2021	MATHEMATICS	18	2021
DARBOUX-DRESSING TRANSFORMATION, SEMI-RATIONAL SOLUTIONS, BREATHERS AND MODULATION INSTABILITY FOR THE CUBIC-QUINTIC NONLINEAR SCHRODINGER SYSTEM WITH VARIABLE COEFFICIENTS IN A NON-KERR MEDIUM, TWIN-CORE NONLINEAR OPTICAL FIBER OR WAVEGUIDE	YANG, DY;TIAN, B;QU, QX;LI, H;ZHAO, XH;CHEN, SS;WEI, CC	PHYSICA SCRIPTA 96 (4): - APR 2021	PHYSICS	7	2021

## 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11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162篇，表5具体列出了各学科高被引论文数量，其中计算机58篇位居第一，工程31篇排名第二，物理29篇排名第三位，数学19篇列第四位。除以上我校优势学科外，本期材料学科、社会科学、化学、环境与生态也各有高被引论文的贡献。162篇高被引论文的学科分布见下表：

表 5 北京邮电大学高被引论文学科分布（2021 年 7 月数据）排序

排序	学科	高被引论文数
1	计算机 COMPUTER SCIENCE	58
2	工程 ENGINEERING	31
3	物理 PHYSICS	29
4	数学 MATHEMATICS	19
5	材料 MATERIALS SCIENCE	16
6	社会科学 SOCIAL SCIENCES, GENERAL	5
7	化学 CHEMISTRY	3
8	环境与生态 ENVIRONMENT/ECOLOGY	1

表 6 HIGHLY CITED PAPERS FOR (BEIJING UNIV POSTS & TELECOMMUN)

Article Name	Authors	Source	Research Field	Times Cited	Publication Date
COOPERATIVE NON-ORTHOGONAL MULTIPLE ACCESS IN 5G SYSTEMS	DING, ZG;PENG, MG;POOR, HV	IEEE COMMUNICATIONS LETTERS 19 (8): 1462-1465 AUG 2015	COMPUTER SCIENCE	502	2015
RISE OF SILICENE: A COMPETITIVE 2D MATERIAL	ZHAO, JJ;LIU, HS;YU, ZM;QUHE, RG;ZHOU, S;WANG, YY;LIU,	PROGRESS IN MATERIALS SCIENCE 83: 24-151 OCT 2016	MATERIALS SCIENCE	397	2016

	CC;ZHONG, HX;HAN, NN;LU, J;YAO, YG;WU, KH				
ONE-STEP SYNTHESIS OF EASY-RECYCLING TiO <sub>2</sub> -RGO NANOCOMPOSITE PHOTOCATALYSTS WITH ENHANCED PHOTOCATALYTIC ACTIVITY	WANG, P;WANG, J;WANG, XF;YU, HG;YU, JG;LEI, M;WANG, YG	APPLIED CATALYSIS B- ENVIRONMENTAL 132: 452-459 MAR 27 2013	CHEMISTRY	289	2013
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	278	2017
EXTENDED SRC: UNDERSAMPLED FACE RECOGNITION VIA INTRACLASS VARIANT DICTIONARY	DENG, WH;HU, JN;GUO, J	IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE 34 (9): 1864-1870 SEP 2012	ENGINEERING	272	2012
CACHING IN THE SKY: PROACTIVE DEPLOYMENT OF CACHE-ENABLED UNMANNED AERIAL VEHICLES FOR OPTIMIZED QUALITY-OF- EXPERIENCE	CHEN, MZ;MOZAF FARI, M;SAAD, W;YIN, CC;DEBBA H, M;HONG, CS	IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATION S 35 (5): 1046-1061 MAY 2017	COMPUTER SCIENCE	250	2017
FABRICATION OF BETA-GA <sub>2</sub> O <sub>3</sub> THIN FILMS AND SOLAR-BLIND PHOTODETECTORS	GUO, DY;WU, ZP;LI, PG;AN, YH;LIU, H;GUO,	OPTICAL MATERIALS EXPRESS 4 (5): 1067-1076 MAY 1 2014	MATERIALS SCIENCE	249	2014

BY LASER MBE TECHNOLOGY	XC;YAN, H;WANG, GF;SUN, CL;LI, LH;TANG, WH				
OVERVIEW OF MILLIMETER WAVE COMMUNICATIONS FOR FIFTH-GENERATION (5G) WIRELESS NETWORKS-WITH A FOCUS ON PROPAGATION MODELS	RAPPAPORT, TS;XING, YC;MACCARTNEY, GR;MOLISCH, AF;MELLIOS, E;ZHANG, JH	IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION 65 (12): 6213-6230 PART 1 DEC 2017	ENGINEERING	242	2017
OXYGEN VACANCY TUNED OHMIC-SCHOTTKY CONVERSION FOR ENHANCED PERFORMANCE IN BETA-GA2O3 SOLAR-BLIND ULTRAVIOLET PHOTODETECTORS	GUO, DY;WU, ZP;AN, YH;GUO, XC;CHU, XL;SUN, CL;LI, LH;LI, PG;TANG, WH	APPLIED PHYSICS LETTERS 105 (2): - JUL 14 2014	PHYSICS	230	2014
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	226	2016
HETEROGENEOUS CLOUD RADIO ACCESS NETWORKS: A NEW PERSPECTIVE FOR ENHANCING SPECTRAL AND ENERGY EFFICIENCIES	PENG, MG;LI, Y;JIANG, JM;LI, J;WANG, CG	IEEE WIRELESS COMMUNICATIONS 21 (6): 126-135 DEC 2014	COMPUTER SCIENCE	217	2014
IN-BAND FULL-DUPLEX RELAYING: A SURVEY,	LIU, G;YU, FR;JI, H;LEUNG, VCM;LI, X	IEEE COMMUNICATIONS SURVEYS AND	COMPUTER SCIENCE	217	2015

RESEARCH ISSUES AND CHALLENGES		TUTORIALS 17 (2): 500-524 2015			
APPLICATION OF SMART ANTENNA TECHNOLOGIES IN SIMULTANEOUS WIRELESS INFORMATION AND POWER TRANSFER	DING, ZG;ZHONG, CJ;NG, DWK;PENG , MG;SURA WEERA, HA;SCHOB ER, R;POOR, HV	IEEE COMMUNICATION S MAGAZINE 53 (4): 86-93 APR 2015	COMPUTER SCIENCE	209	2015
HOME M2M NETWORKS: ARCHITECTURES, STANDARDS, AND QOS IMPROVEMENT	ZHANG, Y;YU, R;XIE, SL;YAO, WQ;XIAO, Y;GUIZANI, M	IEEE COMMUNICATION S MAGAZINE 49 (4): 44-52 APR 2011	COMPUTER SCIENCE	205	2011
CONSORTIUM BLOCKCHAIN FOR SECURE ENERGY TRADING IN INDUSTRIAL INTERNET OF THINGS	LI, ZT;KANG, JW;YU, R;YE, DD;DENG, QY;ZHANG, Y	IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS 14 (8): 3690-3700 AUG 2018	ENGINEERING	202	2018
VIRTUAL NETWORK EMBEDDING THROUGH TOPOLOGY-AWARE NODE RANKING	CHENG, X;SU, S;ZHANG, ZB;WANG, HC;YANG, FC;LUO, Y;WANG, J	ACM SIGCOMM COMPUTER COMMUNICATION REVIEW 41 (2): 39- 47 APR 2011	COMPUTER SCIENCE	199	2011
RESOURCE ALLOCATION IN SPECTRUM-SHARING OFDMA FEMTOCELLS WITH HETEROGENEOUS SERVICES	ZHANG, HJ;JIANG, CX;BEAULI EU, NC;CHU, XL;WEN, XM;TAO, MX	IEEE TRANSACTIONS ON COMMUNICATION S 62 (7): 2366-2377 JUL 2014	COMPUTER SCIENCE	197	2014
A VISION OF IOT: APPLICATIONS,	CHEN, SZ;XU,	IEEE INTERNET OF THINGS JOURNAL	COMPUTER SCIENCE	196	2014



CHALLENGES, AND OPPORTUNITIES WITH CHINA PERSPECTIVE	H;LIU, DK;HU, B;WANG, HC	1 (4): 349-359 AUG 2014			
SIGNIFICANTLY ENHANCED ENERGY STORAGE PERFORMANCE PROMOTED BY ULTIMATE SIZED FERROELECTRIC BATIO <sub>3</sub> 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	191	2017
A NEW USER SIMILARITY MODEL TO IMPROVE THE ACCURACY OF COLLABORATIVE FILTERING	LIU, HF;HU, Z;MIAN, A;TIAN, H;ZHU, XZ	KNOWLEDGE-BASED SYSTEMS 56: 156-166 JAN 2014	COMPUTER SCIENCE	191	2014
HETEROGENEOUS VEHICULAR NETWORKING: A SURVEY ON ARCHITECTURE, CHALLENGES, AND SOLUTIONS	ZHENG, K;ZHENG, Q;CHATZIMISIOS, P;XIANG, W;ZHOU, YQ	IEEE COMMUNICATIONS SURVEYS AND TUTORIALS 17 (4): 2377-2396 2015	COMPUTER SCIENCE	183	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	181	2015
ROLL-TO-ROLL PRODUCTION OF TRANSPARENT SILVER-NANOFIBER-NETWORK ELECTRODES FOR	LIN, S;BAI, XP;WANG, HY;WANG, HL;SONG, JN;HUANG, K;WANG, C;WANG,	ADVANCED MATERIALS 29 (41): - NOV 6 2017	MATERIALS SCIENCE	164	2017

FLEXIBLE ELECTROCHROMIC SMART WINDOWS	N;LI, B;LEI, M;WU, H				
NOVEL IMAGE COMPRESSION- ENCRYPTION HYBRID ALGORITHM BASED ON KEY- CONTROLLED MEASUREMENT MATRIX IN COMPRESSIVE SENSING	ZHOU, NR;ZHANG, AD;ZHENG, F;GONG, LH	OPTICS AND LASER TECHNOLOGY 62: 152-160 OCT 2014	ENGINEERING	163	2014
INTERFACIAL PROPERTIES OF MONOLAYER AND BILAYER MOS2 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	SCIENTIFIC REPORTS 6: - MAR 1 2016	PHYSICS	160	2016
CRC-AIDED DECODING OF POLAR CODES	NIU, K;CHEN, K	IEEE COMMUNICATIONS LETTERS 16 (10): 1668-1671 OCT 2012	COMPUTER SCIENCE	158	2012
AN EFFICIENT AND SECURITY DYNAMIC IDENTITY BASED AUTHENTICATION PROTOCOL FOR MULTI-SERVER ARCHITECTURE USING SMART CARDS	LI, X;XIONG, YP;MA, J;WANG, WD	JOURNAL OF NETWORK AND COMPUTER APPLICATIONS 35 (2): 763-769 MAR 2012	COMPUTER SCIENCE	158	2012
PHYSARUM OPTIMIZATION: A BIOLOGY-INSPIRED ALGORITHM FOR	LIU, L;SONG, YN;ZHANG, HY;MA,	IEEE TRANSACTIONS ON COMPUTERS	COMPUTER SCIENCE	157	2015

THE STEINER TREE PROBLEM IN NETWORKS	HD;VASILAKOS, AV	64 (3): 819-U14 MAR 2015			
OPPORTUNITIES IN MOBILE CROWD SENSING	MA, HD;ZHAO, D;YUAN, PY	IEEE COMMUNICATIONS MAGAZINE 52 (8): 29-35 AUG 2014	COMPUTER SCIENCE	156	2014
ZERO-POWER-CONSUMPTION SOLAR-BLIND PHOTODETECTOR BASED ON BETA-GA2O3/NSTO HETEROJUNCTION	GUO, DY;LIU, H;LI, PG;WU, ZP;WANG, SL;CUI, C;LI, CR;TANG, WH	ACS APPLIED MATERIALS & INTERFACES 9 (2): 1619-1628 JAN 18 2017	MATERIALS SCIENCE	153	2017
AN OVERVIEW OF INTERNET OF VEHICLES	YANG, FC;WANG, SG;LI, JL;LIU, ZH;SUN, QB	CHINA COMMUNICATIONS 11 (10): 1-15 OCT 2014	COMPUTER SCIENCE	150	2014
ULTRAFINE CORE-SHELL BATIO <sub>3</sub> @SIO <sub>2</sub> STRUCTURES FOR NANOCOMPOSITE CAPACITORS WITH HIGH ENERGY DENSITY	BI, K;BI, MH;HAO, YN;LUO, W;CAI, ZM;WANG, XH;HUANG, YH	NANO ENERGY 51: 513-523 SEP 2018	MATERIALS SCIENCE	150	2018
ENERGY-EFFICIENT RESOURCE ASSIGNMENT AND POWER ALLOCATION IN HETEROGENEOUS CLOUD RADIO ACCESS NETWORKS	PENG, MG;ZHANG, KC;JIANG, JM;WANG, JH;WANG, WB	IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY 64 (11): 5275-5287 NOV 2015	ENGINEERING	148	2015
A SURVEY OF HETEROGENEOUS INFORMATION NETWORK ANALYSIS	SHI, C;LI, YT;ZHANG, JW;SUN, YZ;YU, PS	IEEE TRANSACTIONS ON KNOWLEDGE AND DATA ENGINEERING 29	ENGINEERING	148	2017

		(1): 17-37 JAN 1 2017			
FRONTHAUL- CONSTRAINED CLOUD RADIO ACCESS NETWORKS: INSIGHTS AND CHALLENGES	PENG, MG;WANG, CG;LAU, V;POOR, HV	IEEE WIRELESS COMMUNICATION S 22 (2): 152-160 APR 2015	COMPUTER SCIENCE	147	2015
COLLABORATIVE WEB SERVICE QOS PREDICTION VIA NEIGHBORHOOD INTEGRATED MATRIX FACTORIZATION	ZHENG, ZB;MA, H;LYU, MR;KING, I	IEEE TRANSACTIONS ON SERVICES COMPUTING 6 (3): 289-299 JUL-SEP 2013	COMPUTER SCIENCE	146	2013
RADIO RESOURCE ALLOCATION IN LTE-ADVANCED CELLULAR NETWORKS WITH M2M COMMUNICATIONS	ZHENG, K;HU, FL;WANG, WB;XIANG, W;DOHLER , M	IEEE COMMUNICATION S MAGAZINE 50 (7): 184-192 JUL 2012	COMPUTER SCIENCE	145	2012
ON THE OUTAGE PROBABILITY OF DEVICE-TO- DEVICE- COMMUNICATION- ENABLED MULTICHANNEL CELLULAR NETWORKS: AN RSS-THRESHOLD- BASED PERSPECTIVE	LIU, JJ;NISHIYA MA, H;KATO, N;GUO, J	IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATION S 34 (1): 163-175 JAN 2016	COMPUTER SCIENCE	143	2016
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 COMMUNICATION S SURVEYS AND TUTORIALS 18 (3): 2282-2308 2016	COMPUTER SCIENCE	140	2016

IMAGE COMPRESSION AND ENCRYPTION SCHEME BASED ON 2D COMPRESSIVE SENSING AND FRACTIONAL MELLIN TRANSFORM	ZHOU, NR;LI, HL;WANG, D;PAN, SM;ZHOU, ZH	OPTICS COMMUNICATION S 343: 10-21 MAY 15 2015	PHYSICS	140	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	MATHEMATICAL AND COMPUTER MODELLING 58 (1-2): 85-95 JUL 2013	ENGINEERING	134	2013
ENERGY-EFFICIENT RESOURCE ALLOCATION FOR HETEROGENEOUS COGNITIVE RADIO NETWORKS WITH FEMTOCELLS	XIE, RC;YU, FR;JI, H;LI, Y	IEEE TRANSACTIONS ON WIRELESS COMMUNICATIONS 11 (11): 3910-3920 NOV 2012	COMPUTER SCIENCE	134	2012
SELF-POWERED ULTRAVIOLET PHOTODETECTOR WITH SUPERHIGH PHOTORESPONSIVITY (3.05 A/W) BASED ON THE GAN/SN:GA2O3 PN JUNCTION	GUO, DY;SU, YL;SHI, HZ;LI, PG;ZHAO, N;YE, JH;WANG, SL;LIU, AP;CHEN, ZW;LI, CR;TANG, WH	ACS NANO 12 (12): 12827-12835 DEC 2018	MATERIALS SCIENCE	134	2018
ICED PHOTOCHEMICAL REDUCTION TO SYNTHESIZE ATOMICALLY DISPERSED METALS BY	WEI, HH;HUANG, K;WANG, D;ZHANG, RY;GE, BH;MA, JY;WEN,	NATURE COMMUNICATIONS 8: - NOV 14 2017	CHEMISTRY	131	2017

SUPPRESSING NANOCRYSTAL GROWTH	B;ZHANG, S;LI, QY;LEI, M;ZHANG, C;IRAWAN, J;LIU, LM;WU, H				
BLOCKCHAIN-BASED DECENTRALIZED TRUST MANAGEMENT IN VEHICULAR NETWORKS	YANG, Z;YANG, K;LEI, L;ZHENG, K;LEUNG, VCM	IEEE INTERNET OF THINGS JOURNAL 6 (2): 1495-1505 APR 2019	COMPUTER SCIENCE	129	2019
PHASE-SELECTIVE SYNTHESIS OF 1T MOS2 MONOLAYERS AND HETEROPHASE BILAYERS	LIU, LN;WU, JX;WU, LY;YE, M;LIU, XZ;WANG, Q;HOU, SY;LU, PF;SUN, LF;ZHENG, JY;XING, L;GU, L;JIANG, XW;XIE, LM;JIAO, LY	NATURE MATERIALS 17 (12): 1108-+ DEC 2018	MATERIALS SCIENCE	129	2018
UPLINK NONORTHOGONAL MULTIPLE ACCESS IN 5G SYSTEMS	ZHANG, NB;WANG, J;KANG, GX;LIU, Y	IEEE COMMUNICATIONS LETTERS 20 (3): 458-461 MAR 2016	COMPUTER SCIENCE	128	2016
PAIRWISE ROTATION INVARIANT CO-OCCURRENCE LOCAL BINARY PATTERN	QI, XB;XIAO, R;LI, CG;QIAO, Y;GUO, J;TANG, XO	IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE 36 (11): 2199-2213 NOV 2014	ENGINEERING	126	2014
LTE-V: A TD-LTE-BASED V2X	CHEN, SZ;HU,	IEEE INTERNET OF THINGS JOURNAL	COMPUTER SCIENCE	125	2016

SOLUTION FOR FUTURE VEHICULAR NETWORK	JL;SHI, Y;ZHAO, L	3 (6): 997-1005 DEC 2016			
USER-CENTRIC ULTRA-DENSE NETWORKS FOR 5G: CHALLENGES, METHODOLOGIES, AND DIRECTIONS	CHEN, SZ;QIN, F;HU, B;LI, X;CHEN, ZL	IEEE WIRELESS COMMUNICATIONS 23 (2): 78-85 APR 2016	COMPUTER SCIENCE	125	2016
DEEP VISUAL DOMAIN ADAPTATION: A SURVEY	WANG, M;DENG, WH	NEUROCOMPUTING 312: 135-153 OCT 27 2018	COMPUTER SCIENCE	124	2018
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 TRANSACTIONS ON VEHICULAR TECHNOLOGY 66 (4): 3185-3196 APR 2017	ENGINEERING	119	2017
MATHEMATICAL VIEW WITH OBSERVATIONAL/EXPERIMENTAL CONSIDERATION ON CERTAIN (2+1)-DIMENSIONAL WAVES IN THE COSMIC/LABORATORY DUSTY PLASMAS	GAO, XY	APPLIED MATHEMATICS LETTERS 91: 165-172 MAY 2019	MATHEMATICS	119	2019
A SURVEY ON THE SECURITY OF BLOCKCHAIN SYSTEMS	LI, XQ;JIANG, P;CHEN, T;LUO, XP;WEN, QY	FUTURE GENERATION COMPUTER SYSTEMS-THE INTERNATIONAL JOURNAL OF ESCIENCE 107: 841-853 JUN 2020	COMPUTER SCIENCE	118	2020
SELF-ADAPTIVE LEARNING PSO-BASED DEADLINE	ZUO, XQ;ZHANG, GX;TAN, W	IEEE TRANSACTIONS ON AUTOMATION	ENGINEERING	117	2014

CONSTRAINED TASK SCHEDULING FOR HYBRID IAAS CLOUD		SCIENCE AND ENGINEERING 11 (2): 564-573 APR 2014			
RECENT ADVANCES IN THE FUNCTIONAL 2D PHOTONIC AND OPTOELECTRONIC DEVICES	WANG, XT;CUI, Y;LI, T;LEI, M;LI, JB;WEI, ZM	ADVANCED OPTICAL MATERIALS 7 (3): - FEB 2019	MATERIALS SCIENCE	115	2019
MULTIUSER JOINT TASK OFFLOADING AND RESOURCE OPTIMIZATION IN PROXIMATE CLOUDS	LYU, XC;TIAN, H;SENGUL, C;ZHANG, P	IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY 66 (4): 3435-3447 APR 2017	ENGINEERING	110	2017
DURABLE AND EFFICIENT HOLLOW POROUS OXIDE SPINEL MICROSPHERES FOR OXYGEN REDUCTION	WANG, H;LIU, RP;LI, YT;LU, XJ;WANG, Q;ZHAO, SQ;YUAN, KJ;CUI, ZM;LI, X;XIN, S;ZHANG, R;LEI, M;LIN, ZQ	JOULE 2 (2): 337-348 FEB 21 2018	ENGINEERING	110	2018
ON THE SPECTRAL EFFICIENCY AND SECURITY ENHANCEMENTS OF NOMA ASSISTED MULTICAST-UNICAST STREAMING	DING, ZG;ZHAO, ZY;PENG, MG;POOR, HV	IEEE TRANSACTIONS ON COMMUNICATIONS 65 (7): 3151-3163 JUL 2017	COMPUTER SCIENCE	108	2017
BIG DATA-DRIVEN OPTIMIZATION FOR MOBILE NETWORKS TOWARD 5G	ZHENG, K;YANG, Z;ZHANG, K;CHATZI MISIOS, P;YANG,	IEEE NETWORK 30 (1): 44-51 JAN-FEB 2016	COMPUTER SCIENCE	107	2016



	K;XIANG, W				
SODIUM METAL ANODES FOR ROOM-TEMPERATURE SODIUM-ION BATTERIES: APPLICATIONS, CHALLENGES AND SOLUTIONS	ZHENG, XY;BOMMIER, C;LUO, W;JIANG, LH;HAO, YN;HUANG, YH	ENERGY STORAGE MATERIALS 16: 6-23 JAN 2019	MATERIALS SCIENCE	103	2019
ARTIFICIAL NEURAL NETWORKS-BASED MACHINE LEARNING FOR WIRELESS NETWORKS: A TUTORIAL	CHEN, MZ;CHALLITA, U;SAAD, W;YIN, CC;DEBBAH, M	IEEE COMMUNICATIONS SURVEYS AND TUTORIALS 21 (4): 3039-3071 2019	COMPUTER SCIENCE	102	2019
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	97	2017
HIGH-SPEED RAILWAY COMMUNICATIONS : FROM GSM-R TO LTE-R	HE, RS;AI, B;WANG, GP;GUAN, K;ZHONG, ZD;MOLISCH, AF;BRISORODRIGUEZ, C;OESTGES, C	IEEE VEHICULAR TECHNOLOGY MAGAZINE 11 (3): 49-58 SEP 2016	ENGINEERING	96	2016
MACHINE LEARNING AND DEEP LEARNING METHODS FOR CYBERSECURITY	XIN, Y;KONG, LS;LIU, Z;CHEN, YL;LI, YM;ZHU, HL;GAO, MC;HOU,	IEEE ACCESS 6: 35365-35381 2018	ENGINEERING	95	2018

	HX;WANG, CH				
EDGE COMPUTING TECHNOLOGIES FOR INTERNET OF THINGS: A PRIMER	AI, Y;PENG, MG;ZHANG, KC	DIGITAL COMMUNICATIONS AND NETWORKS 4 (2): 77-86 APR 2018	COMPUTER SCIENCE	92	2018
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	OPTICS EXPRESS 25 (3): 2950-2959 FEB 6 2017	PHYSICS	92	2017
INTELLIGENT CONSTELLATION DIAGRAM ANALYZER USING CONVOLUTIONAL NEURAL NETWORK-BASED DEEP LEARNING	WANG, DS;ZHANG, M;LI, J;LI, Z;LI, JQ;SONG, C;CHEN, X	OPTICS EXPRESS 25 (15): 17150-17166 JUL 24 2017	PHYSICS	91	2017
HETEROGENEOUS INFORMATION NETWORK EMBEDDING FOR RECOMMENDATION	SHI, C;HU, BB;ZHAO, WX;YU, PS	IEEE TRANSACTIONS ON KNOWLEDGE AND DATA ENGINEERING 31 (2): 357-370 FEB 1 2019	ENGINEERING	89	2019
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 TRANSACTIONS ON COMPUTERS 67 (1): 2-8 JAN 2018	COMPUTER SCIENCE	88	2018
HIGH-PERFORMANCE SUB-10 NM MONOLAYER	QUHE, RG;LIU, JC;WU, JX;YANG,	NANOSCALE 11 (2): 532-540 JAN 14 2019	PHYSICS	85	2019

BI2O2SE TRANSISTORS	J;WANG, YY;LI, QH;LI, TR;GUO, Y;YANG, JB;PENG, HL;LEI, M;LU, J				
USER SCHEDULING AND RESOURCE ALLOCATION IN HETNETS WITH HYBRID ENERGY SUPPLY: AN ACTOR-CRITIC REINFORCEMENT LEARNING APPROACH	WEI, YF;YU, FR;SONG, M;HAN, Z	IEEE TRANSACTIONS ON WIRELESS COMMUNICATIONS S 17 (1): 680-692 JAN 2018	COMPUTER SCIENCE	85	2018
TOWARD EFFICIENT CONTENT DELIVERY FOR AUTOMATED DRIVING SERVICES: AN EDGE COMPUTING SOLUTION	YUAN, Q;ZHOU, HB;LI, JL;LIU, ZH;YANG, FC;SHEN, XM	IEEE NETWORK 32 (1): 80-86 JAN-FEB 2018	COMPUTER SCIENCE	83	2018
DECORRELATION OF NEUTRAL VECTOR VARIABLES: THEORY AND APPLICATIONS	MA, ZY;XUE, JH;LEIJON, A;TAN, ZH;YANG, Z;GUO, J	IEEE TRANSACTIONS ON NEURAL NETWORKS AND LEARNING SYSTEMS 29 (1): 129-143 JAN 2018	COMPUTER SCIENCE	83	2018
DIRECT SPRAY- COATING OF HIGHLY ROBUST AND TRANSPARENT AG NANOWIRES FOR ENERGY SAVING WINDOWS	LIN, S;WANG, HY;ZHANG, XN;WANG, D;ZU, D;SONG, JA;LIU, ZL;HUANG, Y;HUANG, K;TAO,	NANO ENERGY 62: 111-116 AUG 2019	MATERIALS SCIENCE	82	2019

	NA;LI, ZW;BAI, XP;LI, B;LEI, M;YU, ZF;WU, H				
ROOM-TEMPERATURE PRODUCTION OF SILVER-NANOFIBER FILM FOR LARGE-AREA, TRANSPARENT AND FLEXIBLE SURFACE ELECTROMAGNETIC INTERFERENCE SHIELDING	LIN, S;WANG, HY;WU, F;WANG, QM;BAI, XP;ZU, D;SONG, JN;WANG, D;LIU, ZL;LI, ZW;TAO, N;HUANG, K;LEI, M;LI, B;WU, H	NPJ FLEXIBLE ELECTRONICS 3 (1): - 2019	MATERIALS SCIENCE	82	2019
SELECTIVE OFFLOADING IN MOBILE EDGE COMPUTING FOR THE GREEN INTERNET OF THINGS	LYU, XC;TIAN, H;JIANG, L;VINEL, A;MAHARJAN, S;GJESSING, S;ZHANG, Y	IEEE NETWORK 32 (1): 54-60 JAN-FEB 2018	COMPUTER SCIENCE	80	2018
MINING CUSTOMER REQUIREMENTS FROM ONLINE REVIEWS: A PRODUCT IMPROVEMENT PERSPECTIVE	QI, JY;ZHANG, ZP;JEON, SM;ZHOU, YQ	INFORMATION & MANAGEMENT 53 (8): 951-963 SP. ISS. SI DEC 2016	SOCIAL SCIENCES, GENERAL	79	2016
THE EFFECT OF FINANCIAL DEVELOPMENT ON ECOLOGICAL FOOTPRINT IN BRI COUNTRIES: EVIDENCE FROM	BALOCH, MA;ZHANG, JJ;IQBAL, K;IQBAL, Z	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH 26 (6): 6199-6208 FEB 2019	ENVIRONMENT/ ECOLOGY	77	2019

PANEL DATA ESTIMATION					
TUNGSTEN DISELENIDE FOR ALL-FIBER LASERS WITH THE CHEMICAL VAPOR DEPOSITION METHOD	LIU, WJ;LIU, ML;YIN, JD;CHEN, H;LU, W;FANG, SB;TENG, H;LEI, M;YAN, PG;WEI, ZY	NANOSCALE 10 (17): 7971-7977 MAY 7 2018	PHYSICS	75	2018
GENERATION AND CONTROL OF MULTIPLE SOLITONS UNDER THE INFLUENCE OF PARAMETERS	LIU, XY;TRIKI, H;ZHOU, Q;MIRZAZADEH, M;LIU, WJ;BISWAS, A;BELIC, M	NONLINEAR DYNAMICS 95 (1): 143-150 JAN 2019	ENGINEERING	74	2019
FACILE LOADING MESOPOROUS CO3O4 ON NITROGEN DOPED CARBON MATRIX AS AN ENHANCED OXYGEN ELECTRODE CATALYST	HE, X;LUAN, SZ;WANG, L;WANG, RY;DU, P;XU, YY;YANG, HJ;WANG, YG;HUANG, K;LEI, M	MATERIALS LETTERS 244: 78-82 JUN 1 2019	MATERIALS SCIENCE	74	2019
A SURVEY OF BLOCKCHAIN TECHNOLOGY APPLIED TO SMART CITIES: RESEARCH ISSUES AND CHALLENGES	XIE, JF;TANG, HE;HUANG, T;YU, FR;XIE, RC;LIU, J;LIU, YJ	IEEE COMMUNICATIONS SURVEYS AND TUTORIALS 21 (3): 2794-2830 2019	COMPUTER SCIENCE	71	2019
MIXED LUMP-KINK AND ROGUE WAVE-KINK SOLUTIONS FOR A (3+1)-DIMENSIONAL B-TYPE KADOMTSEV-	HU, CC;TIAN, B;WU, XY;YUAN, YQ;DU, Z	EUROPEAN PHYSICAL JOURNAL PLUS 133 (2): - FEB 6 2018	PHYSICS	69	2018

PETVIASHVILI EQUATION IN FLUID MECHANICS					
A SURVEY OF MACHINE LEARNING TECHNIQUES APPLIED TO SOFTWARE DEFINED NETWORKING (SDN): RESEARCH ISSUES AND CHALLENGES	XIE, JF;YU, FR;HUANG, T;XIE, RC;LIU, J;WANG, CM;LIU, YJ	IEEE COMMUNICATION S SURVEYS AND TUTORIALS 21 (1): 393-430 2019	COMPUTER SCIENCE	69	2019
PHASE SHIFT, AMPLIFICATION, OSCILLATION AND ATTENUATION OF SOLITONS IN NONLINEAR OPTICS	YU, WT;ZHOU, Q;MIRZAZ ADEH, M;LIU, WJ;BISWAS , A	JOURNAL OF ADVANCED RESEARCH 15: 69- 76 JAN 2019	PHYSICS	68	2019
JOINT OPTIMIZATION OF CACHING, COMPUTING, AND RADIO RESOURCES FOR FOG-ENABLED IOT USING NATURAL ACTOR- CRITIC DEEP REINFORCEMENT LEARNING	WEI, YF;YU, FR;SONG, M;HAN, Z	IEEE INTERNET OF THINGS JOURNAL 6 (2): 2061-2073 APR 2019	COMPUTER SCIENCE	68	2019
SOLITONS FOR THE (2+1)- DIMENSIONAL KONOPELCHENKO- DUBROVSKY EQUATIONS	YUAN, YQ;TIAN, B;LIU, L;WU, XY;SUN, Y	JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS 460 (1): 476-486 APR 1 2018	MATHEMATICS	65	2018
QUANTUM PRIVATE QUERY: A NEW KIND OF PRACTICAL QUANTUM	GAO, F;QIN, SJ;HUANG, W;WEN, QY	SCIENCE CHINA- PHYSICS MECHANICS & ASTRONOMY 62 (7): - JUL 2019	PHYSICS	63	2019

CRYPTOGRAPHIC PROTOCOL					
INTERACTION PROPERTIES OF SOLITONICS IN INHOMOGENEOUS OPTICAL FIBERS	LIU, WJ;ZHANG, YJ;TRIKI, H;MIRZAZ ADEH, M;EKICI, M;ZHOU, Q;BISWAS, A;BELIC, M	NONLINEAR DYNAMICS 95 (1): 557-563 JAN 2019	ENGINEERING	61	2019
WATER-WAVE SYMBOLIC COMPUTATION FOR THE EARTH, ENCELADUS AND TITAN: THE HIGHER-ORDER BOUSSINESQ- BURGERS SYSTEM, AUTO- AND NON- AUTO-BACKLUND TRANSFORMATION S	GAO, XY;GUO, YJ;SHAN, WR	APPLIED MATHEMATICS LETTERS 104: - JUN 2020	MATHEMATICS	60	2020
NONLINEAR OPTICAL PROPERTIES OF MOS2-WS2 HETEROSTRUCTUR E IN FIBER LASERS	LIU, WJ;LIU, ML;LIU, B;QUHE, RG;LEI, M;FANG, SB;TENG, H;WEI, ZY	OPTICS EXPRESS 27 (5): 6689-6699 MAR 4 2019	PHYSICS	60	2019
SURVEY ON BLOCKCHAIN FOR INTERNET OF THINGS	WANG, X;ZHA, X;NI, W;LIU, RP;GUO, YJ;NIU, XX;ZHENG, KF	COMPUTER COMMUNICATION S 136: 10-29 FEB 2019	COMPUTER SCIENCE	59	2019
-60 DEGREES C SOLUTION SYNTHESIS OF ATOMICALLY	HUANG, K;ZHANG, L;XU, T;WEI,	NATURE COMMUNICATION S 10: - FEB 5 2019	CHEMISTRY	59	2019

DISPERSED COBALT ELECTROCATALYST WITH SUPERIOR PERFORMANCE	HH;ZHANG, RY;ZHANG, XY;GE, BH;LEI, M;MA, JY;LIU, LM;WU, H				
ONE-SOLITON SHAPING AND TWO-SOLITON INTERACTION IN THE FIFTH-ORDER VARIABLE- COEFFICIENT NONLINEAR SCHRODINGER EQUATION	YANG, CY;LIU, WJ;ZHOU, Q;MIHALA CHE, D;MALOME D, BA	NONLINEAR DYNAMICS 95 (1): 369-380 JAN 2019	ENGINEERING	58	2019
EDGE SERVER PLACEMENT IN MOBILE EDGE COMPUTING	WANG, SG;ZHAO, YL;XU, JL;YUAN, J;HSU, CH	JOURNAL OF PARALLEL AND DISTRIBUTED COMPUTING 127: 160-168 MAY 2019	COMPUTER SCIENCE	58	2019
HYBRID PRECODING-BASED MILLIMETER- WAVE MASSIVE MIMO-NOMA WITH SIMULTANEOUS WIRELESS INFORMATION AND POWER TRANSFER	DAI, LL;WANG, BC;PENG, MG;CHEN, SZ	IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATION S 37 (1): 131-141 JAN 2019	COMPUTER SCIENCE	58	2019
PHASE-SHIFT CONTROLLING OF THREE SOLITONS IN DISPERSION- DECREASING FIBERS	LIU, SZ;ZHOU, Q;BISWAS, AJ;LIU, WJ	NONLINEAR DYNAMICS 98 (1): 395-401 OCT 2019	ENGINEERING	56	2019
THE DYNAMICS OF ICT, FOREIGN DIRECT INVESTMENT, GLOBALIZATION AND ECONOMIC GROWTH: PANEL	LATIF, Z;YANG, MK;DANIS H;LATIF, S;LIU, XM;PATHA N,	TELEMATICS AND INFORMATICS 35 (2): 318-328 MAY 2018	SOCIAL SCIENCES, GENERAL	56	2018



ESTIMATION ROBUST TO HETEROGENEITY AND CROSS-SECTIONAL DEPENDENCE	ZH;SALAM, S;ZENG, JQ				
CONSERVATION LAWS, BINARY DARBOUX TRANSFORMATION S AND SOLITONS FOR A HIGHER-ORDER NONLINEAR SCHRODINGER SYSTEM	CHEN, SS;TIAN, B;LIU, L;YUAN, YQ;ZHANG, CR	CHAOS SOLITONS & FRACTALS 118: 337-346 JAN 2019	PHYSICS	55	2019
SHORT UTTERANCE BASED SPEECH LANGUAGE IDENTIFICATION IN INTELLIGENT VEHICLES WITH TIME-SCALE MODIFICATIONS AND DEEP BOTTLENECK FEATURES	MA, ZY;YU, H;CHEN, W;GUO, J	IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY 68 (1): 121-128 JAN 2019	ENGINEERING	54	2019
DEEP REINFORCEMENT LEARNING-BASED MODE SELECTION AND RESOURCE MANAGEMENT FOR GREEN FOG RADIO ACCESS NETWORKS	SUN, YH;PENG, MG;MAO, SW	IEEE INTERNET OF THINGS JOURNAL 6 (2): 1960-1971 APR 2019	COMPUTER SCIENCE	54	2019
RATIONAL SOLUTIONS AND LUMP SOLUTIONS TO A NON-ISOSPECTRAL AND GENERALIZED VARIABLE-	LIU, JG;ESLAMI, M;REZAZADEH, H;MIRZAZADEH, M	NONLINEAR DYNAMICS 95 (2): 1027-1033 JAN 2019	ENGINEERING	54	2019

COEFFICIENT KADOMTSEV- PETVIASHVILI EQUATION					
BLOCKCHAIN- ENABLED WIRELESS INTERNET OF THINGS: PERFORMANCE ANALYSIS AND OPTIMAL COMMUNICATION NODE DEPLOYMENT	SUN, Y;ZHANG, L;FENG, G;YANG, BW;CAO, B;IMRAN, MA	IEEE INTERNET OF THINGS JOURNAL 6 (3): 5791-5802 JUN 2019	COMPUTER SCIENCE	53	2019
CONTINUOUS- VARIABLE QKD OVER 50 KM COMMERCIAL FIBER	ZHANG, YC;LI, ZY;CHEN, ZY;WEEDB ROOK, C;ZHAO, YJ;WANG, XY;HUANG , YD;XU, CC;ZHANG, XX;WANG, ZY;LI, M;ZHANG, XY;ZHENG, ZY;CHU, BJ;GAO, XY;MENG, N;CAI, WW;WANG , Z;WANG, G;YU, S;GUO, H	QUANTUM SCIENCE AND TECHNOLOGY 4 (3): - JUL 2019	PHYSICS	53	2019
APPLICATION OF MACHINE LEARNING IN WIRELESS NETWORKS: KEY TECHNIQUES AND OPEN ISSUES	SUN, YH;PENG, MG;ZHOU, YC;HUANG , YZ;MAO, SW	IEEE COMMUNICATION S SURVEYS AND TUTORIALS 21 (4): 3072-3108 2019	COMPUTER SCIENCE	52	2019

AN INTEGRATED SILICON PHOTONIC CHIP PLATFORM FOR CONTINUOUS-VARIABLE QUANTUM KEY DISTRIBUTION	ZHANG, G;HAW, JY;CAI, H;XU, F;ASSAD, SM;FITZSI MONS, JF;ZHOU, X;ZHANG, Y;YU, S;WU, J;SER, W;KWEK, LC;LIU, AQ	NATURE PHOTONICS 13 (12): 839-+ DEC 2019	PHYSICS	52	2019
DEEP LEARNING FOR PHYSICAL-LAYER 5G WIRELESS TECHNIQUES: OPPORTUNITIES, CHALLENGES AND SOLUTIONS	HUANG, HJ;GUO, S;GUI, G;YANG, Z;ZHANG, JH;SARI, H;ADACHI, F	IEEE WIRELESS COMMUNICATIONS LETTERS 9 (1): 214-222 FEB 2020	COMPUTER SCIENCE	51	2020
PERFORMANCE OPTIMIZATION FOR BLOCKCHAIN-ENABLED INDUSTRIAL INTERNET OF THINGS (IIOT) SYSTEMS: A DEEP REINFORCEMENT LEARNING APPROACH	LIU, MT;YU, FR;TENG, YL;LEUNG, VCM;SONG, M	IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS 15 (6): 3559-3570 JUN 2019	ENGINEERING	50	2019
EXPERIMENTAL DEMONSTRATION OF ULTRA-LARGE-SCALE TERAHERTZ ALL-DIELECTRIC METAMATERIALS	BI, K;YANG, DQ;CHEN, J;WANG, QM;WU, HY;LAN, CW;YANG, YP	PHOTONICS RESEARCH 7 (4): 457-463 APR 1 2019	PHYSICS	50	2019
DISTRIBUTED RESOURCE ALLOCATION IN	LIU, MT;YU, FR;TENG,	IEEE TRANSACTIONS ON WIRELESS	COMPUTER SCIENCE	49	2019

BLOCKCHAIN-BASED VIDEO STREAMING SYSTEMS WITH MOBILE EDGE COMPUTING	YL;LEUNG, VCM;SONG, M	COMMUNICATION S 18 (1): 695-708 JAN 2019			
SOME LUMP SOLUTIONS FOR A GENERALIZED (3+1)- DIMENSIONAL KADOMTSEV-PETVIASHVILI EQUATION	GUAN, X;LIU, WJ;ZHOU, Q;BISWAS, A	APPLIED MATHEMATICS AND COMPUTATION 366: - FEB 1 2020	MATHEMATICS	49	2020
VARIATIONAL BAYESIAN LEARNING FOR DIRICHLET PROCESS MIXTURE OF INVERTED DIRICHLET DISTRIBUTIONS IN NON-GAUSSIAN IMAGE FEATURE MODELING	MA, ZY;LAI, YP;KLEIJN, WB;SONG, YZ;WANG, L;GUO, J	IEEE TRANSACTIONS ON NEURAL NETWORKS AND LEARNING SYSTEMS 30 (2): 449-463 FEB 2019	COMPUTER SCIENCE	49	2019
RELIABLE CROWDSOURCING AND DEEP LOCALITY-PRESERVING LEARNING FOR UNCONSTRAINED FACIAL EXPRESSION RECOGNITION	LI, S;DENG, WH	IEEE TRANSACTIONS ON IMAGE PROCESSING 28 (1): 356-370 JAN 2019	ENGINEERING	45	2019
LOW-LIGHT IMAGE ENHANCEMENT VIA A DEEP HYBRID NETWORK	REN, WQ;LIU, SF;MA, L;XU, QQ;XU, XY;CAO, XC;DU, JP;YANG, MH	IEEE TRANSACTIONS ON IMAGE PROCESSING 28 (9): 4364-4375 SEP 2019	ENGINEERING	45	2019

DARK BREATHER WAVES, DARK LUMP WAVES AND LUMP WAVE-SOLITON INTERACTIONS FOR A (3+1)-DIMENSIONAL GENERALIZED KADOMTSEV-PETVIASHVILI EQUATION IN A FLUID	HU, CC;TIAN, B;YIN, HM;ZHANG , CR;ZHANG, Z	COMPUTERS & MATHEMATICS WITH APPLICATIONS 78 (1): 166-177 JUL 1 2019	MATHEMATICS	45	2019
DARK SOLITON CONTROL IN INHOMOGENEOUS OPTICAL FIBERS	LIU, WJ;HUANG, LG;HUANG, P;LI, YQ;LEI, M	APPLIED MATHEMATICS LETTERS 61: 80-87 NOV 2016	MATHEMATICS	44	2016
PROPAGATION CHANNELS OF 5G MILLIMETER-WAVE VEHICLE-TO-VEHICLE COMMUNICATIONS	HE, RS;AI, B;WANG, GP;ZHONG, ZD;SCHNEIDER, C;DUPLICATE, H, DA;THOMAS, RS;BOBAN, M;LUO, J;ZHANG, YY	IEEE VEHICULAR TECHNOLOGY MAGAZINE 15 (1): 16-26 MAR 2020	ENGINEERING	44	2020
DARBOUX TRANSFORMATION AND ANALYTIC SOLUTIONS FOR A GENERALIZED SUPER-NLS-MKDV EQUATION	GUAN, X;LIU, WJ;ZHOU, Q;BISWAS, A	NONLINEAR DYNAMICS 98 (2): 1491-1500 OCT 2019	ENGINEERING	44	2019
BLOCKCHAIN AND FEDERATED LEARNING FOR PRIVACY-PRESERVED DATA	LU, YL;HUANG, XH;DAI, YY;MAHARJAN,	IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS 16 (6): 4177-4186 JUN 2020	ENGINEERING	43	2020

SHARING IN INDUSTRIAL IOT	S;ZHANG, Y				
GENERALIZED DARBOUX TRANSFORMATION S, ROGUE WAVES, AND MODULATION INSTABILITY FOR THE COHERENTLY COUPLED NONLINEAR SCHRODINGER EQUATIONS IN NONLINEAR OPTICS	CHEN, SS;TIAN, B;SUN, Y;ZHANG, CR	ANNALEN DER PHYSIK 531 (8): - AUG 2019	PHYSICS	43	2019
ANALYTIC STUDY ON TRIPLE-S, TRIPLE-TRIANGLE STRUCTURE INTERACTIONS FOR SOLITONS IN INHOMOGENEOUS MULTI-MODE FIBER	LIU, WJ;ZHANG, YJ;WAZWA Z, AM;ZHOU, Q	APPLIED MATHEMATICS AND COMPUTATION 361: 325-331 NOV 15 2019	MATHEMATICS	42	2019
LUMP, MIXED LUMP-STRIPE AND ROGUE WAVE-STRIPE SOLUTIONS OF A (3+1)- DIMENSIONAL NONLINEAR WAVE EQUATION FOR A LIQUID WITH GAS BUBBLES	WANG, M;TIAN, B;SUN, Y;ZHANG, Z	COMPUTERS & MATHEMATICS WITH APPLICATIONS 79 (3): 576-587 FEB 1 2020	MATHEMATICS	40	2020
EXPLORING INNOVATION ECOSYSTEMS ACROSS SCIENCE, TECHNOLOGY, AND BUSINESS: A CASE OF 3D PRINTING IN CHINA	XU, GN;WU, YC;MINSH ALL, T;ZHOU, Y	TECHNOLOGICAL FORECASTING AND SOCIAL CHANGE 136: 208-221 NOV 2018	SOCIAL SCIENCES, GENERAL	39	2018

DYNAMICAL CLUSTERING IN ELECTRONIC COMMERCE SYSTEMS VIA OPTIMIZATION AND LEADERSHIP EXPANSION	LI, HJ;BU, Z;WANG, Z;CAO, J	IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS 16 (8): 5327-5334 AUG 2020	ENGINEERING	38	2020
ADAPTIVE SYNCHRONIZATION OF MEMRISTOR-BASED BAM NEURAL NETWORKS WITH MIXED DELAYS	CHEN, C;LI, LX;PENG, HP;YANG, YX	APPLIED MATHEMATICS AND COMPUTATION 322: 100-110 APR 1 2018	MATHEMATICS	38	2018
VECTOR BRIGHT SOLITONS AND THEIR INTERACTIONS OF THE COUPLE FOKAS-LENELLS SYSTEM IN A BIREFRINGENT OPTICAL FIBER	ZHANG, CR;TIAN, B;QU, QX;LIU, L;TIAN, HY	ZEITSCHRIFT FUR ANGEWANDTE MATHEMATIK UND PHYSIK 71 (1): - JAN 2 2020	MATHEMATICS	37	2020
STABLE TRANSMISSION OF SOLITONS IN THE COMPLEX CUBIC-QUINTIC GINZBURG-LANDAU EQUATION WITH NONLINEAR GAIN AND HIGHER-ORDER EFFECTS	YAN, YY;LIU, WJ	APPLIED MATHEMATICS LETTERS 98: 171-176 DEC 2019	MATHEMATICS	36	2019
PERFORMANCE ANALYSIS OF IMPAIRED SWIPT NOMA RELAYING NETWORKS OVER IMPERFECT WEIBULL CHANNELS	LI, XW;LI, JJ;LI, LH	IEEE SYSTEMS JOURNAL 14 (1): 669-672 MAR 2020	COMPUTER SCIENCE	36	2020

DARK-BRIGHT SEMI-RATIONAL SOLITONS AND BREATHERS FOR A HIGHER-ORDER COUPLED NONLINEAR SCHRÖDINGER SYSTEM IN AN OPTICAL FIBER	DU, Z;TIAN, B;CHAI, HP;ZHAO, XH	APPLIED MATHEMATICS LETTERS 102: - APR 2020	MATHEMATICS	36	2020
CHAOTIC BREATHERS AND BREATHER FISSION/FUSION FOR A VECTOR NONLINEAR SCHRÖDINGER EQUATION IN A BIREFRINGENT OPTICAL FIBER OR WAVELENGTH DIVISION MULTIPLEXED SYSTEM	YIN, HM;TIAN, B;ZHAO, XC	APPLIED MATHEMATICS AND COMPUTATION 368: - MAR 1 2020	MATHEMATICS	36	2020
ROGUE WAVES FOR A VARIABLE-COEFFICIENT KADOMTSEV-PETVIASHVILI EQUATION IN FLUID MECHANICS	WU, XY;TIAN, B;LIU, L;SUN, Y	COMPUTERS & MATHEMATICS WITH APPLICATIONS 76 (2): 215-223 JUL 15 2018	MATHEMATICS	35	2018
ENERGY EFFICIENT PLACEMENT OF A DRONE BASE STATION FOR MINIMUM REQUIRED TRANSMIT POWER	WANG, L;HU, B;CHEN, SZ	IEEE WIRELESS COMMUNICATIONS LETTERS 9 (12): 2010-2014 DEC 2020	COMPUTER SCIENCE	34	2020
ULTRAFAST PHOTONICS OF TWO DIMENSIONAL AUTE2SE4/3 IN FIBER LASERS	LIU, WJ;LIU, ML;CHEN, X;SHEN, T;LEI, M;GUO,	COMMUNICATIONS PHYSICS 3 (1): - JAN 21 2020	PHYSICS	34	2020



	JG;DENG, HX;ZHANG, W;DAI, CQ;ZHANG, XF;WEI, ZY				
VISION, REQUIREMENTS, AND TECHNOLOGY TREND OF 6G: HOW TO TACKLE THE CHALLENGES OF SYSTEM COVERAGE, CAPACITY, USER DATA-RATE AND MOVEMENT SPEED	CHEN, SZ;LIANG, YC;SUN, SH;KANG, SL;CHEN, WC;PENG, MG	IEEE WIRELESS COMMUNICATION S 27 (2): 218-228 APR 2020	COMPUTER SCIENCE	32	2020
RECENT ADVANCES OF 2D MATERIALS IN NONLINEAR PHOTONICS AND FIBER LASERS	LIU, WJ;LIU, ML;LIU, XM;WANG, XT;DENG, HX;LEI, M;WEI, ZM;WEI, ZY	ADVANCED OPTICAL MATERIALS 8 (8): - APR 2020	MATERIALS SCIENCE	32	2020
LIE GROUP ANALYSIS, SOLITONS, SELF- ADJOINTNESS AND CONSERVATION LAWS OF THE MODIFIED ZAKHAROV- KUZNETSOV EQUATION IN AN ELECTRON- POSITRON-ION MAGNETOPLASMA	DU, XX;TIAN, B;QU, QX;YUAN, YQ;ZHAO, XH	CHAOS SOLITONS & FRACTALS 134: - MAY 2020	PHYSICS	31	2020
SNSSE AS A SATURABLE ABSORBER FOR AN ULTRAFAST LASER WITH SUPERIOR STABILITY	LIU, WJ;LIU, ML;LIU, XM;LEI, M;WEI, ZY	OPTICS LETTERS 45 (2): 419-422 JAN 15 2020	PHYSICS	31	2020

ON ALMOST CONTROLLABILITY OF DYNAMICAL COMPLEX NETWORKS WITH NOISES	CAI, N;HE, M;WU, QX;KHAN, MJ	JOURNAL OF SYSTEMS SCIENCE & COMPLEXITY 32 (4): 1125-1139 AUG 2019	MATHEMATICS	30	2019
TOWARD ACHIEVING ENVIRONMENTAL SUSTAINABILITY TARGET IN ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT COUNTRIES: THE ROLE OF REAL INCOME, RESEARCH AND DEVELOPMENT, AND TRANSPORT INFRASTRUCTURE	DANISH;ZHANG, JW;HASSAN, ST;IQBAL, K	SUSTAINABLE DEVELOPMENT 28 (1): 83-90 JAN-FEB 2020	SOCIAL SCIENCES, GENERAL	29	2020
VSE2 NANOSHEETS FOR ULTRAFAST FIBER LASERS	LI, L;PANG, LH;ZHAO, QY;LIU, WJ;SU, YL	JOURNAL OF MATERIALS CHEMISTRY C 8 (3): 1104-1109 JAN 21 2020	MATERIALS SCIENCE	28	2020
EXPLORING THE TRUST MANAGEMENT MECHANISM IN SELF-ORGANIZING COMPLEX NETWORK BASED ON GAME THEORY	LI, HJ;WANG, Q;LIU, SF;HU, J	PHYSICA A- STATISTICAL MECHANICS AND ITS APPLICATIONS 542: - MAR 15 2020	PHYSICS	26	2020
HIGH TEMPERATURE LEAD-FREE BNT-BASED CERAMICS WITH STABLE ENERGY STORAGE AND DIELECTRIC PROPERTIES	ZHU, CQ;CAI, ZM;LUO, BC;GUO, LM;LI, LT;WANG, XH	JOURNAL OF MATERIALS CHEMISTRY A 8 (2): 683-692 JAN 14 2020	MATERIALS SCIENCE	26	2020

BLOCKCHAIN EMPOWERED ASYNCHRONOUS FEDERATED LEARNING FOR SECURE DATA SHARING IN INTERNET OF VEHICLES	LU, YL;HUANG, XH;ZHANG, K;MAHARJAN, S;ZHANG, Y	IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY 69 (4): 4298-4311 APR 2020	ENGINEERING	24	2020
A DECISION-MAKING ALGORITHM FOR ONLINE SHOPPING USING DEEP-LEARNING-BASED OPINION PAIRS MINING AND Q-RUNG ORTHOPAIR FUZZY INTERACTION HERONIAN MEAN OPERATORS	YANG, ZL;OUYANG, TX;FU, XL;PENG, XD	INTERNATIONAL JOURNAL OF INTELLIGENT SYSTEMS 35 (5): 783-825 MAY 2020	ENGINEERING	24	2020
NIOBIUM DISULFIDE AS A NEW SATURABLE ABSORBER FOR AN ULTRAFAST FIBER LASER	LI, L;PANG, LH;ZHAO, QY;WANG, YG;LIU, WJ	NANOSCALE 12 (7): 4537-4543 FEB 21 2020	PHYSICS	23	2020
SATURABLE ABSORPTION PROPERTIES AND FEMTOSECOND MODE-LOCKING APPLICATION OF TITANIUM TRISULFIDE	LIU, WJ;LIU, ML;LIU, XM;WANG, XT;TENG, H;LEI, M;WEI, ZM;WEI, ZY	APPLIED PHYSICS LETTERS 116 (6): - FEB 10 2020	PHYSICS	23	2020
SELF-POWERED SOLAR-BLIND PHOTODETECTORS BASED ON ALPHA/BETA PHASE JUNCTION OF GA2O3	GUO, DY;CHEN, K;WANG, SL;WU, FM;LIU, AP;LI, CR;LI,	PHYSICAL REVIEW APPLIED 13 (2): - FEB 20 2020	PHYSICS	20	2020

	PG;TAN, CK;TANG, WH				
SHALLOW WATER IN AN OPEN SEA OR A WIDE CHANNEL: AUTO- AND NON- AUTO-BACKLUND TRANSFORMATION S WITH SOLITONS FOR A GENERALIZED (2+1)- DIMENSIONAL DISPERSIVE LONG- WAVE SYSTEM	GAO, XY;GUO, YJ;SHAN, WR	CHAOS SOLITONS & FRACTALS 138: - SEP 2020	PHYSICS	19	2020
MAGNETO- OPTICAL/FERROMA GNETIC-MATERIAL COMPUTATION: BACKLUND TRANSFORMATION S, BILINEAR FORMS AND N SOLITONS FOR A GENERALIZED (3+1)- DIMENSIONAL VARIABLE- COEFFICIENT MODIFIED KADOMTSEV- PETVIASHVILI SYSTEM	GAO, XY;GUO, YJ;SHAN, WR;YUAN, YQ;ZHANG, CR;CHEN, SS	APPLIED MATHEMATICS LETTERS 111: - JAN 2021	MATHEMATICS	18	2021
VECTOR RATIONAL AND SEMI- RATIONAL ROGUE WAVES FOR THE COUPLED CUBIC- QUINTIC NONLINEAR SCHRODINGER SYSTEM INANON- KERR MEDIUM	DU, Z;TIAN, B;QU, QX;WU, XY;ZHAO, XH	APPLIED NUMERICAL MATHEMATICS 153: 179-187 JUL 2020	MATHEMATICS	17	2020

PERIODIC-WAVE AND SEMIRATIONAL SOLUTIONS FOR THE (2+1)-DIMENSIONAL DAVEY-STEWARTSON EQUATIONS ON THE SURFACE WATER WAVES OF FINITE DEPTH	YUAN, YQ;TIAN, B;QU, QX;ZHAO, XH;DU, XX	ZEITSCHRIFT FUR ANGEWANDTE MATHEMATIK UND PHYSIK 71 (2): - FEB 18 2020	MATHEMATICS	15	2020
SOFTWARE-DEFINED COOPERATIVE DATA SHARING IN EDGE COMPUTING ASSISTED 5G-VANET	LUO, GY;ZHOU, HB;CHENG, N;YUAN, Q;LI, JL;YANG, FC;SHEN, XM	IEEE TRANSACTIONS ON MOBILE COMPUTING 20 (3): 1212-1229 MAR 1 2021	COMPUTER SCIENCE	12	2021
USING BAYESIAN NETWORKS WITH HIDDEN VARIABLES FOR IDENTIFYING TRUSTWORTHY USERS IN SOCIAL NETWORKS	CHEN, X;YUAN, YY;ORGUN, MA	JOURNAL OF INFORMATION SCIENCE 46 (5): 600-615 OCT 2020	SOCIAL SCIENCES, GENERAL	12	2020
A JOINT LEARNING AND COMMUNICATIONS FRAMEWORK FOR FEDERATED LEARNING OVER WIRELESS NETWORKS	CHEN, MZ;YANG, ZH;SAAD, W;YIN, CC;POOR, HV;CUI, SG	IEEE TRANSACTIONS ON WIRELESS COMMUNICATIONS 20 (1): 269-283 JAN 2021	COMPUTER SCIENCE	10	2021
TOWARDS 6G WIRELESS COMMUNICATION NETWORKS: VISION, ENABLING TECHNOLOGIES, AND NEW PARADIGM SHIFTS	YOU, XH;WANG, CX;HUANG, J;GAO, XQ;ZHANG, ZC;WANG, M;HUANG, YM;ZHANG	SCIENCE CHINA-INFORMATION SCIENCES 64 (1): - JAN 2021	COMPUTER SCIENCE	9	2021

	, C;JIANG, YX;WANG, JH;ZHU, M;SHENG, B;WANG, DM;PAN, ZW;ZHU, PC;YANG, Y;LIU, ZN;ZHANG, P;TAO, XF;LI, SQ;CHEN, Z;MA, XY;I, CL;HAN, SF;LI, K;PAN, CK;ZHENG, ZM;HANZO , L;SHEN, XM;GUO, YJ;DING, ZG;HAAS, H;TONG, W;ZHU, PY;YANG, GH;WANG, J;LARSSON, EG;NGO, HQ;HONG, W;WANG, HM;HOU, DB;CHEN, JX;CHEN, Z;HAO, ZC;LI, GY;TAF AZ OLLI, R;GAO, Y;POOR, HV;FETTW EIS, GP;LIANG, YC				
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DARBOUX-DRESSING TRANSFORMATION, SEMI-RATIONAL SOLUTIONS, BREATHERS AND MODULATION INSTABILITY FOR THE CUBIC-QUINTIC NONLINEAR SCHRÖDINGER SYSTEM WITH VARIABLE COEFFICIENTS IN A NON-KERR MEDIUM, TWIN-CORE NONLINEAR OPTICAL FIBER OR WAVEGUIDE	YANG, DY;TIAN, B;QU, QX;LI, H;ZHAO, XH;CHEN, SS;WEI, CC	PHYSICA SCRIPTA 96 (4): - APR 2021	PHYSICS	7	2021
DELAY-AWARE MICROSERVICE COORDINATION IN MOBILE EDGE COMPUTING: A REINFORCEMENT LEARNING APPROACH	WANG, SG;GUO, Y;ZHANG, N;YANG, P;ZHOU, A;SHEN, XM	IEEE TRANSACTIONS ON MOBILE COMPUTING 20 (3): 939-951 MAR 1 2021	COMPUTER SCIENCE	7	2021
NOVEL EVOLUTIONARY BEHAVIORS OF THE MIXED SOLUTIONS TO A GENERALIZED BURGERS EQUATION WITH VARIABLE COEFFICIENTS	CHEN, SJ;LU, X;TANG, XF	COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION 95: - APR 2021	PHYSICS	5	2021
AN EFFECTIVE AND SCALABLE OVERLAPPING COMMUNITY DETECTION APPROACH:	WANG, YY;BU, Z;YANG, H;LI, HJ;CAO, J	APPLIED MATHEMATICS AND COMPUTATION 390: - FEB 1 2021	MATHEMATICS	5	2021

INTEGRATING SOCIAL IDENTITY MODEL AND GAME THEORY					
LUMP, MIXED LUMP-KINK, BREATHER AND ROGUE WAVES FOR A B-TYPE KADOMTSEV- PETVIASHVILI EQUATION	DU, XX;TIAN, B;YIN, Y	WAVES IN RANDOM AND COMPLEX MEDIA 31 (1): 101-116 JAN 2 2021	PHYSICS	4	2021
SUPERREGULAR SOLUTIONS FOR A COUPLED NONLINEAR SCHRODINGER SYSTEM IN A TWO- MODE NONLINEAR FIBER	TIAN, HY;TIAN, B;YUAN, YQ;ZHANG, CR	PHYSICA SCRIPTA 96 (4): - APR 2021	PHYSICS	3	2021