

北京邮电大学 ESI 学科排名动态快报（2016 年 11 月数据）

提要:

美国基本科学指标（Essential Science Indicator, ESI）2016 年 11 月最新统计数据表明:我校物理、工程、计算机 3 个学科进入 ESI 排名。本期我校高被引论文有 59 篇，热点论文 2 篇。

我校论文整体情况:

2016 年 11 月 10 日 ESI 最新统计数据表明，我校 10 年 8 个月内（2006 年 1 月 1 日至 2016 年 8 月 31 日）被 SCIE/SSCI 收录论文情况如下：

- 论文数量 6659 篇，在入围的 5270 所机构中排名 961；
- 论文总被引次数 30036 次，在入围的 5270 所机构中排名 1900 名；
- 论文篇均被引次数 4.51 次，在入围的 5270 所机构中排名 5219 名；

我校 ESI 学科排名情况

根据 2016 年 11 月 ESI 数据库更新结果显示，我校的物理、工程、计算机 3 个学科进入了全球机构学科排名的前 1%。详情见表 1。

表 1 我校在全球研究机构中排名进入前 1%的学科及排名(2016 年 11 月)

学科	篇数	篇数 排名	引用 次数	引用次数排名	篇均被 引次数	篇均被引次数 排名
物理	2248	345/723	14620	681/723	6.50	718/723
工程	1547	292/1288	5665	574/1288	3.66	1270/1288
计算机	2219	25/397	6158	144/397	2.91	394/397
All fields	6659	961/5270	30036	1900/5270	4.51	5219/5270

我校热点论文 Hot Papers（共 2 篇）

ESI-HOT PAPERS(热点论文)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 ESI 数据显示，我校有 2 篇文章入选全球热点论文行列。

HOT PAPERS FOR (BEIJING UNIV POSTS & TELECOMMUN)热点论文 2 篇

1 Citations: 41 

HOT PAPER 

WEB OF SCIENCE

Title: PHYSARUM OPTIMIZATION: A BIOLOGY-INSPIRED ALGORITHM FOR THE STEINER TREE PROBLEM IN NETWORKS

Authors: [LIU L](#); SONG YN; [ZHANG HY](#); MA HD; [VASILAKOS AV](#)

Source: [IEEE TRANS COMPUT](#) 64 (3): 819-U14 MAR 2015

Addresses: [Beijing Univ Posts & Telecommun](#), Beijing Key Lab Intelligent Telecommun Software &, Beijing 100876, Peoples R China.
[Univ Western Macedonia](#), Dept Comp & Telecommun Engn, Kozani 14671, Greece.

Field: [COMPUTER SCIENCE](#)

2 Citations: 40 

HOT PAPER 

WEB OF SCIENCE

Title: A BIOLOGY-BASED ALGORITHM TO MINIMAL EXPOSURE PROBLEM OF WIRELESS SENSOR NETWORKS

Authors: [SONG YM](#); [LIU L](#); MA HD; [VASILAKOS AV](#)

Source: IEEE TRANS NETW SERV MANAG 11 (3): 417-430 SEP 2014

Addresses: [Beijing Univ Posts & Telecommun](#), Beijing Key Lab Intelligent Telecommun Software &, Beijing 100876, Peoples R China.
[Kuwait Univ](#), Dept Comp Sci, Safat 13060, [Kuwait](#).

Field: [COMPUTER SCIENCE](#)

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 59 篇, 表 2 具体列出了各学科高被引论文数量, 其中计算机 31 篇位居第一, 物理 9 篇位居第二, 数学 8 篇、工程 8 篇并列第三位, 除以上我校优势学科外, 化学、材料两个学科也有贡献。59

篇高被引论文的学科分布见下表：

表 2 北京邮电大学高被引论文学科分布（2016 年 11 月数据）

排序	学科	高被引论文数
1	计算机 COMPUTER SCIENCE	31
2	物理 PHYSICS	9
3	数学 MATHEMATICS	8
4	工程 ENGINEERING	8
5	化学 CHEMISTRY	1
6	材料 MATERIALS SCIENCE	2

这 59 篇论文详细情况如下：

HIGHLY CITED PAPERS FOR (BEIJING UNIV POSTS & TELECOMMUN)

1 Citations: 170 

WEB OF SCIENCE


Title: VARIABLE-COEFFICIENT HIGHER-ORDER NONLINEAR SCHRÖDINGER MODEL IN OPTICAL FIBERS: NEW TRANSFORMATION WITH BURSTONS, BRIGHTONS AND SYMBOLIC COMPUTATION

Authors: [TIAN B; GAO YT](#)

Source: [PHYS LETT A](#) 359 (3): 241-248 NOV 20 2006

Addresses: [Beijing Univ Posts & Telecommun](#), Sch Sci, Beijing 100876, Peoples R China.
Beijing Univ Aeronaut & Astronaut, State Key Lab Software Dev Environm, Beijing 100083, Peoples R China.
CCAST, World Lab, Beijing 100080, Peoples R China.
Beijing Univ Aeronaut & Astronaut, Minist Educ, Key Lab Fluid Mech, Beijing 100083, Peoples R China.
Beijing Univ Aeronaut & Astronaut, Natl Lab Computat Fluid Dynam, Beijing 100083, Peoples R China.

Field: [PHYSICS](#)

2 Citations: 169 

WEB OF SCIENCE

Title: ON THE NON-PLANAR DUST-ION-ACOUSTIC WAVES IN COSMIC DUSTY PLASMAS WITH TRANSVERSE PERTURBATIONS

Authors: [GAO YT; TIAN B](#)

Source: [EPL 77 \(1\): - 2007](#)

Addresses: Beijing Univ Aeronaut & Astronaut, Minist Educ, Key Lab Fluid Mech, Beijing 100083, Peoples R China.
Beijing Univ Aeronaut & Astronaut, Natl Lab Computat Fluid Dynam, Beijing 100083, Peoples R China.
Beijing Univ Aeronaut & Astronaut, State Key Lab Software Dev Environm, Beijing 100083, Peoples R China.
CCAST, World Lab, Beijing 100080, Peoples R China.
[Beijing Univ Posts & Telecommun](#), Sch Sci, Beijing 100876, Peoples R China.

Field: [PHYSICS](#)

3 Citations: 167 

WEB OF SCIENCE


Title: COSMIC DUST-ION-ACOUSTIC WAVES, SPHERICAL MODIFIED KADOMTSEV-PETVIASHVILI MODEL, AND SYMBOLIC COMPUTATION

Authors: [GAO YT; TIAN B](#)

Source: [PHYS PLASMAS 13 \(11\): - NOV 2006](#)

Addresses: Beijing Univ Aeronaut & Astronaut, Minist Educ, Key Lab Fluid Mech, Beijing 100083, Peoples R China.
Beijing Univ Aeronaut & Astronaut, Natl Lab Computat Fluid Dynam, Beijing 100083, Peoples R China.
Beijing Univ Aeronaut & Astronaut, State Key Lab Software Dev Environm, Beijing 100083, Peoples R China.
CCAST, World Lab, Beijing 100080, Peoples R China.
[Beijing Univ Posts & Telecommun](#), Sch Sci, Beijing 100876, Peoples R China.

Field: [PHYSICS](#)

4 Citations: 160 

WEB OF SCIENCE

Title: SYMBOLIC COMPUTATION ON CYLINDRICAL-MODIFIED DUST-ION-ACOUSTIC NEBULONS IN DUSTY PLASMAS

Authors: [TIAN B; GAO YT](#)

Source: [PHYS LETT A](#) 362 (4): 283-288 MAR 5 2007

Addresses: [Beijing Univ Posts & Telecommun](#), Sch Sci, Beijing 100876, Peoples R China.
Beijing Univ Aeronaut & Astronaut, State Key Lab Software Dev Environm, Beijing 100083, Peoples R China.
CCAST, World Lab, Beijing 100080, Peoples R China.
Beijing Univ Aeronaut & Astronaut, Minist Educ, Key Lab Fluid Mech, Beijing 100083, Peoples R China.
Beijing Univ Aeronaut & Astronaut, Natl Lab Computat Fluid Dynam, Beijing 100083, Peoples R China.

Field: [PHYSICS](#)

5 Citations: 155 

WEB OF SCIENCE

Title: VARIABLE-COEFFICIENT HIGHER-ORDER NONLINEAR SCHRÖDINGER MODEL IN OPTICAL FIBERS: VARIABLE-COEFFICIENT BILINEAR FORM, BACKLUND TRANSFORMATION, BRIGHTONS AND SYMBOLIC COMPUTATION

Authors: [TIAN B; GAO YT; ZHU HW](#)

Source: [PHYS LETT A](#) 366 (3): 223-229 JUN 25 2007

Addresses: [Beijing Univ Posts & Telecommun](#), Sch Sci, Beijing 100876, Peoples R China.
Beijing Univ Aeronaut & Astronaut, State Key Lab Software Dev Environm, Beijing 100083, Peoples R China.
CCAST, World Lab, Beijing 100080, Peoples R China.
Beijing Univ Aeronaut & Astronaut, Minist Educ, Key Lab Fluid Mech, Beijing 100083, Peoples R China.
Beijing Univ Aeronaut & Astronaut, Natl Lab Computat Fluid Dynam, Beijing 100083, Peoples R China.
[Beijing Univ Posts & Telecommun](#), Key Lab Opt Commun & Lightwave Technol, Minist Educ, Beijing 100876, Peoples R China.

Field: [PHYSICS](#)

6 Citations: 117 

RESEARCH FRONT

WEB OF SCIENCE

Title: ENTANGLEMENT PURIFICATION AND CONCENTRATION OF ELECTRON-SPIN ENTANGLED STATES USING QUANTUM-DOT SPINS IN OPTICAL MICROCAVITIES

Authors: [WANG C; ZHANG Y](#); JIN GS

Source: [PHYS REV A](#) 84 (3): - SEP 8 2011

Addresses: [Beijing Univ Posts & Telecommun](#), Sch Sci, Beijing 100876, Peoples R China.
[Beijing Univ Posts & Telecommun](#), Key Lab Opt Commun & Lightwave Technol, Beijing 100876, Peoples R China.
Tsinghua Univ, Dept Phys, Beijing 100084, Peoples R China.

Field: [PHYSICS](#)

7 Citations: 110 

WEB OF SCIENCE

Title: APPLICATIONS OF VARIATIONAL METHODS TO BOUNDARY-VALUE PROBLEM FOR IMPULSIVE DIFFERENTIAL EQUATIONS

Authors: [TIAN Y; GE WG](#)

Source: [PROC EDINBURGH MATH SOC](#) 51: 509-527 PART 2 JUN 2008

Addresses: [Beijing Univ Posts & Telecommun](#), Sch Sci, Beijing 100876, Peoples R China.
[Beijing Inst Technol](#), Dept Math Appl, Beijing 100081, Peoples R China.

Field: [MATHEMATICS](#)

8 Citations: 103 

RESEARCH FRONT

WEB OF SCIENCE

Title: ONE-STEP SYNTHESIS OF EASY-RECYCLING TiO₂-RGO NANOCOMPOSITE PHOTOCATALYSTS WITH ENHANCED PHOTOCATALYTIC ACTIVITY

Authors: [WANG P; WANG J; WANG XF; YU HG; YU JG; LEI M; WANG YG](#)

Source: [APPL CATAL B-ENVIRON](#) 132: 452-459 MAR 27 2013

Addresses: [Wuhan Univ Technol](#), Sch Sci, Dept Chem, Wuhan 430070, Peoples R China.
[Wuhan Univ Technol](#), State Key Lab Adv Technol Mat Synth & Proc, Wuhan 430070, Peoples R China.

[Beijing Univ Posts & Telecommun](#), Sch Sci, Beijing 100876, Peoples R China.

Field: [CHEMISTRY](#)

9 Citations: 76 

RESEARCH FRONT

WEB OF SCIENCE


Title: HOME M2M NETWORKS: ARCHITECTURES, STANDARDS, AND QOS IMPROVEMENT

Authors: [ZHANG Y; YU R; XIE SL](#); YAO WQ; [XIAO Y; GUIZANI M](#)

Source: [IEEE COMMUN MAG](#) 49 (4): 44-52 APR 2011

Addresses: Simula Res Lab, Oslo, [Norway](#).
[Univ Oslo](#), N-0316 Oslo, [Norway](#).
[Guangdong Univ Technol](#), Inst Intelligent Informat Proc, Guangzhou, Guangdong, Peoples R China.
[S China Univ Technol](#), Sch Elect & Informat Engn, Guangzhou, Guangdong, Peoples R China.
[Beijing Univ Posts & Telecommun](#), Beijing, Peoples R China.
Univ Alabama, Dept Comp Sci, Tuscaloosa, AL 35487 USA.
[Kuwait Univ](#), Safat 13060, [Kuwait](#).

Field: [COMPUTER SCIENCE](#)

10 Citations: 72 

RESEARCH FRONT

WEB OF SCIENCE

Title: EXTENDED SRC: UNDERSAMPLED FACE RECOGNITION VIA INTRAClass VARIANT DICTIONARY

Authors: [DENG WH](#); HU JN; [GUO J](#)

Source: [IEEE TRANS PATT ANAL MACH INT](#) 34 (9): 1864-1870 SEP 2012

Addresses: [Beijing Univ Posts & Telecommun](#), Sch Informat & Commun Engn, Pattern Recognit & Intelligent Syst Lab, Beijing 100876, Peoples R China.

Field: [ENGINEERING](#)

11 Citations: 70 

WEB OF SCIENCE

Title: SOLITON SOLUTIONS AND A BACKLUND TRANSFORMATION FOR A GENERALIZED NONLINEAR SCHRODINGER EQUATION WITH VARIABLE


COEFFICIENTS FROM OPTICAL FIBER COMMUNICATIONS

Authors: [LU X; ZHU HW; MENG XH; YANG ZC; TIAN B](#)

Source: [J MATH ANAL APPL](#) 336 (2): 1305-1315 DEC 15 2007

Addresses: [Beijing Univ Posts & Telecommun](#), Sch Sci, Beijing 1000876, Peoples R China.
[Beijing Univ Posts & Telecommun](#), Minist Educ, Key Lab Opt Commun & Lightwave Technol, Beijing 100876, Peoples R China.

Field: [MATHEMATICS](#)

12 Citations: 64 

RESEARCH FRONT

WEB OF SCIENCE

Title: CRYPTANALYSIS AND IMPROVEMENT OF A BIOMETRICS-BASED REMOTE USER AUTHENTICATION SCHEME USING SMART CARDS

Authors: [LI X](#); NIU JW; [MA J](#); [WANG WD](#); [LIU CL](#)

Source: [J NETW COMPUT APPL](#) 34 (1): 73-79 JAN 2011

Addresses: [Beijing Univ Posts & Telecommun](#), State Key Lab Networking & Switching Technol, Beijing 100876, Peoples R China.
[Beihang Univ](#), State Key Lab Software Dev Environm, Beijing 100191, Peoples R China.
[Fujian Normal Univ](#), Fuqing Branch, Dept Math & Comp Sci, Fuqing 350300, Peoples R China.

Field: [COMPUTER SCIENCE](#)

13 Citations: 60 

RESEARCH FRONT

WEB OF SCIENCE


Title: AN EFFICIENT AND SECURITY DYNAMIC IDENTITY BASED AUTHENTICATION PROTOCOL FOR MULTI-SERVER ARCHITECTURE USING SMART CARDS

Authors: [LI X](#); XIONG YP; [MA J](#); [WANG WD](#)

Source: [J NETW COMPUT APPL](#) 35 (2): 763-769 MAR 2012

Addresses: [Beijing Univ Posts & Telecommun](#), State Key Lab Networking & Switching Technol, Beijing 100876, Peoples R China.
Wuxi SensingNet Industrializat Res Inst, Wuxi 214135, Jiangsu, Peoples R China.

Field: [COMPUTER SCIENCE](#)

14 Citations: 56 

RESEARCH FRONT

WEB OF SCIENCE

Title: RADIO RESOURCE ALLOCATION IN LTE-ADVANCED CELLULAR NETWORKS WITH M2M COMMUNICATIONS

Authors: [ZHENG K](#); HU FL; [WANG WB](#); XIANG W; [DOHLER M](#)

Source: [IEEE COMMUN MAG](#) 50 (7): 184-192 JUL 2012

Addresses: [Beijing Univ Posts & Telecommun](#), Grad Sch, Beijing, Peoples R China.
Univ So Queensland, Fac Engr & Surveying, Toowoomba, Qld 4350, [Australia](#).
Ctr Tecnol Telecommun Catalunya CTTC, Intelligent Energy IQe, Barcelona, [Spain](#).

Field: [COMPUTER SCIENCE](#)

15 Citations: 48 

RESEARCH FRONT

WEB OF SCIENCE

Title: ENERGY-EFFICIENT RESOURCE ALLOCATION FOR HETEROGENEOUS COGNITIVE RADIO NETWORKS WITH FEMTOCELLS

Authors: XIE RC; [YU FR](#); [JI H](#); [LI Y](#)

Source: [IEEE TRANS WIREL COMMUN](#) 11 (11): 3910-3920 NOV 2012

Addresses: [Beijing Univ Posts & Telecommun](#), Key Lab Universal Wireless Commun, Minist Educ, Sch Informat & Commun Engr, Beijing 100088, Peoples R China.
[Carleton Univ](#), Dept Syst & Comp Eng, Ottawa, ON K1S 5B6, [Canada](#).
[Carleton Univ](#), Carleton Sch Informat Technol, Ottawa, ON K1S 5B6, [Canada](#).

Field: [COMPUTER SCIENCE](#)

16 Citations: 48 

WEB OF SCIENCE

Title: VARIATIONAL METHODS TO STURM-LIOUVILLE BOUNDARY VALUE PROBLEM FOR IMPULSIVE DIFFERENTIAL EQUATIONS

Authors: [TIAN Y](#); [GE WG](#)

Source: [NONLINEAR ANAL-THEOR METH APP](#) 72 (1): 277-287 JAN 1 2010

Addresses: [Beijing Univ Posts & Telecommun](#), Sch Sci, Beijing 100876, Peoples R China.
[Beijing Inst Technol](#), Dept Appl Math, Beijing 100081, Peoples R China.

Field: [MATHEMATICS](#)

17 Citations: 46  RESEARCH FRONT WEB OF SCIENCE



Title: SELF-CONFIGURATION AND SELF-OPTIMIZATION IN LTE-ADVANCED HETEROGENEOUS NETWORKS

Authors: [PENG MG](#); [LIANG D](#); [WEI Y](#); [LI J](#); [CHEN HH](#)

Source: [IEEE COMMUN MAG](#) 51 (5): 36-45 MAY 2013

Addresses: [Beijing Univ Posts & Telecommun](#), Sch Informat & Commun Engn, Beijing, Peoples R China.
[Beijing Univ Posts & Telecommun](#), Minist Educ, Key Lab Universal Wireless Commun, Beijing, Peoples R China.
[Natl Cheng Kung Univ](#), Dept Engn Sci, Tainan 70101, [Taiwan](#).

Field: [COMPUTER SCIENCE](#)

18 Citations: 41  HOT PAPER  WEB OF SCIENCE

Title: PHYSARUM OPTIMIZATION: A BIOLOGY-INSPIRED ALGORITHM FOR THE STEINER TREE PROBLEM IN NETWORKS

Authors: [LIU L](#); [SONG YN](#); [ZHANG HY](#); [MA HD](#); [VASILAKOS AV](#)

Source: [IEEE TRANS COMPUT](#) 64 (3): 819-U14 MAR 2015

Addresses: [Beijing Univ Posts & Telecommun](#), Beijing Key Lab Intelligent Telecommun Software &, Beijing 100876, Peoples R China.
[Univ Western Macedonia](#), Dept Comp & Telecommun Engn, Kozani 14671, [Greece](#).

Field: [COMPUTER SCIENCE](#)

19 Citations: 41  RESEARCH FRONT WEB OF SCIENCE

Title: HETEROGENEOUS CLOUD RADIO ACCESS NETWORKS: A NEW PERSPECTIVE FOR ENHANCING SPECTRAL AND ENERGY EFFICIENCIES

Authors: [PENG MG; LI Y; JIANG JM; LI J; WANG CG](#)

Source: [IEEE WIREL COMMUN](#) 21 (6): 126-135 DEC 2014

Addresses: [Beijing Univ Posts & Telecommun](#), Sch Informat & Commun Engrn, Beijing, Peoples R China.


[Beijing Univ Posts & Telecommun](#), Key Lab Universal Wireless Commun, Minist Educ, Beijing, Peoples R China.


[Beijing Univ Posts & Telecommun](#), Beijing, Peoples R China.

Huawei Technol Co Ltd, Shenzhen, Peoples R China.

InterDigital Commun, Wilmington, DE USA.

Field: [COMPUTER SCIENCE](#)

20 Citations: 40 

HOT PAPER 

WEB OF SCIENCE

Title: A BIOLOGY-BASED ALGORITHM TO MINIMAL EXPOSURE PROBLEM OF WIRELESS SENSOR NETWORKS

Authors: [SONG YM; LIU L; MA HD; VASILAKOS AV](#)

Source: IEEE TRANS NETW SERV MANAG 11 (3): 417-430 SEP 2014

Addresses: [Beijing Univ Posts & Telecommun](#), Beijing Key Lab Intelligent Telecommun Software &, Beijing 100876, Peoples R China.

[Kuwait Univ](#), Dept Comp Sci, Safat 13060, [Kuwait](#).

Field: [COMPUTER SCIENCE](#)

21 Citations: 40



RESEARCH FRONT

WEB OF SCIENCE

Title: A NOVEL SMART CARD AND DYNAMIC ID BASED REMOTE USER AUTHENTICATION SCHEME FOR MULTI-SERVER ENVIRONMENTS


Authors: [LI X; MA J; WANG WD; XIONG YP; ZHANG JS](#)

Source: [MATH COMPUT MODELLING](#) 58 (1-2): 85-95 JUL 2013

Addresses: Hunan Univ Sci & Technol, Sch Comp Sci & Engrn, Xiangtan 411201, Peoples R China.

[Beijing Univ Posts & Telecommun](#), State Key Lab Networking & Switching Technol, Beijing 100876, Peoples R China.

Field: [ENGINEERING](#)

22 Citations: 39 

RESEARCH FRONT

WEB OF SCIENCE

Title: QOE-DRIVEN USER-CENTRIC VOD SERVICES IN URBAN MULTIHOMED P2P-BASED VEHICULAR NETWORKS

Authors: XU CQ; ZHAO FT; GUAN JF; [ZHANG HK](#); [MUNTEAN GM](#)

Source: [IEEE TRANS VEH TECHNOL](#) 62 (5): 2273-2289 JUN 2013

Addresses: [Beijing Univ Posts & Telecommun](#), State Key Lab Networking & Switching Technol, Beijing 100876, Peoples R China.

[Beijing Univ Posts & Telecommun](#), Inst Sensing Technol & Business, Wuxi 214135, Peoples R China.

[Beijing Univ Posts & Telecommun](#), Beijing 100876, Peoples R China.

[Beijing Jiaotong Univ](#), Natl Engr Lab Next Generat Internet Interconnect, Beijing 100044, Peoples R China.

[Dublin City Univ](#), Rince Inst, Network Innovat Ctr, Performance Engr Lab, Sch Elect Engr, Dublin 9, [Ireland](#).

Field: [ENGINEERING](#)

23 Citations: 34 

RESEARCH FRONT

WEB OF SCIENCE

Title: RESOURCE ALLOCATION IN SPECTRUM-SHARING OFDMA FEMTOCELLS WITH HETEROGENEOUS SERVICES

Authors: [ZHANG HJ](#); JIANG CX; [BEAULIEU NC](#); CHU XL; WEN XM; [TAO MX](#)

Source: [IEEE TRANS COMMUN](#) 62 (7): 2366-2377 JUL 2014

Addresses: [Beijing Univ Chem Technol](#), Coll Informat Sci & Technol, Beijing 100029, Peoples R China.

Tsinghua Univ, Sch Informat Sci & Technol, Dept Elect Engr, Beijing 100084, Peoples R China.

[Univ Elect Sci & Technol China](#), Sch Commun & Informat Engr, Chengdu 610054, Peoples R China.

Minist Educ China, Key Lab Opt Fiber Sensing & Commun, Chengdu 611731, Peoples R China.


[Univ Sheffield](#), Dept Elect Engr, Sheffield S1 3JD, S Yorkshire, [England](#).

[Beijing Univ Posts & Telecommun](#), Commun Network Ctr, Beijing 100876, Peoples R China.

[Beijing Univ Posts & Telecommun](#), Beijing Key Lab Network Syst Architecture & Conve, Beijing 100876, Peoples R China.

[Shanghai Jiao Tong Univ](#), Sch Elect Informat & Elect Engn, Dept Elect Engn, Shanghai 200240, Peoples R China.

Field: [COMPUTER SCIENCE](#)

24 Citations: 34 

WEB OF SCIENCE

Title: ACHIEVING MAXIMUM ENERGY-EFFICIENCY IN MULTI-RELAY OFDMA CELLULAR NETWORKS: A FRACTIONAL PROGRAMMING APPROACH

Authors: CHEUNG KTK; [YANG SS](#); [HANZO L](#)

Source: [IEEE TRANS COMMUN](#) 61 (7): 2746-2757 JUL 2013

Addresses: [Univ Southampton](#), Sch Elect & Comp Sci, Southampton SO17 1BJ, Hants, England.

[Beijing Univ Posts & Telecommun](#), Sch Informat & Commun Engn, Beijing 100876, Peoples R China.

Field: [COMPUTER SCIENCE](#)

25 Citations: 33 

RESEARCH FRONT

WEB OF SCIENCE

Title: CMT-QA: QUALITY-AWARE ADAPTIVE CONCURRENT MULTIPATH DATA TRANSFER IN HETEROGENEOUS WIRELESS NETWORKS

Authors: XU CQ; LIU TJ; GUAN JF; [ZHANG HK](#); [MUNTEAN GM](#)

Source: [IEEE TRANS MOB COMPUT](#) 12 (11): 2193-2205 NOV 2013

Addresses: [Beijing Univ Posts & Telecommun](#), Inst Network Technol, State Key Lab Networking & Switching Technol, Beijing 100088, Peoples R China.

[Beijing Univ Posts & Telecommun](#), Inst Sensing Technol & Business, Wuxi New Dist, Jiangsu, Peoples R China.

[Dublin City Univ](#), Performance Engn Lab, Sch Elect Engn, Network Innovat Ctr, RINCE Inst, Dublin 9, Ireland.

Field: [COMPUTER SCIENCE](#)

26 Citations: 30 

RESEARCH FRONT

WEB OF SCIENCE

Title: NOVEL IMAGE COMPRESSION-ENCRYPTION HYBRID ALGORITHM BASED ON KEY-CONTROLLED MEASUREMENT MATRIX IN COMPRESSIVE SENSING

Authors: ZHOU NR; ZHANG AD; [ZHENG F](#); GONG LH

Source: [OPT LASER TECHNOL](#) 62: 152-160 OCT 2014

Addresses: [Nanchang Univ](#), Dept Elect Informat Engrn, Nanchang 330031, Peoples R China.
[Beijing Univ Posts & Telecommun](#), Informat Secur Ctr, Beijing 100876, Peoples R China.
Nanchang Hangkong Univ, Jiangxi Prov Key Lab Image Proc & Pattern Recogni, Nanchang 330063, Peoples R China.

Field: [ENGINEERING](#)

27 Citations: 28 

RESEARCH FRONT

WEB OF SCIENCE

Title: ULTRATHIN LI3VO4 NANORIBBON/GRAPHENE SANDWICH-LIKE NANOSTRUCTURES WITH ULTRAHIGH LITHIUM ION STORAGE PROPERTIES

Authors: [LIU J](#); LU PJ; [LIANG S](#); [LIU J](#); [WANG W](#); [LEI M](#); [TANG S](#); [YANG Q](#)

Source: [NANO ENERGY](#) 12: 709-724 MAR 2015

Addresses: [Cent S Univ](#), Sch Mat Sci & Engrn, Changsha 410083, Hunan, Peoples R China.
[Pacific NW Natl Lab](#), Richland, WA 99354 USA.
[Chinese Acad Sci](#), Inst Phys, Beijing Natl Lab Condensed Matter Phys, Beijing 100190, Peoples R China.
[Beijing Univ Posts & Telecommun](#), State Key Lab Informat Photon & Opt Commun, Beijing 100876, Peoples R China.

Field: [MATERIALS SCIENCE](#)

28 Citations: 27 

RESEARCH FRONT

WEB OF SCIENCE

Title: BELL-POLYNOMIAL CONSTRUCTION OF BACKLUND TRANSFORMATIONS WITH AUXILIARY INDEPENDENT VARIABLE FOR SOME SOLITON EQUATIONS WITH ONE TAU-FUNCTION

Authors: [LU X](#); [TIAN B](#); QI FH

Source: [NONLINEAR ANAL-REAL WORLD APP](#) 13 (3): 1130-1138 JUN 2012

Addresses: [Beijing Univ Posts & Telecommun](#), Sch Sci, Beijing 100876, Peoples R China.
[Beijing Univ Posts & Telecommun](#), State Key Lab Informat Photon & Opt Commun, Beijing 100876, Peoples R China.

Field: [MATHEMATICS](#)

29 Citations: 26 

RESEARCH FRONT

WEB OF SCIENCE


Title: SYSTEM ARCHITECTURE AND KEY TECHNOLOGIES FOR 5G HETEROGENEOUS CLOUD RADIO ACCESS NETWORKS

Authors: [PENG MG; LI Y; ZHAO ZY; WANG CG](#)

Source: [IEEE NETWORK](#) 29 (2): 6-14 MAR-APR 2015

Addresses: [Beijing Univ Posts & Telecommun](#), Sch Informat & Commun Engr, Beijing 100088, Peoples R China.
[Beijing Univ Posts & Telecommun](#), Minist Educ, Key Lab Universal Wireless Commun, Beijing 100088, Peoples R China.
InterDigital Commun, Wilmington, DE USA.

Field: [COMPUTER SCIENCE](#)

30 Citations: 23 

RESEARCH FRONT

WEB OF SCIENCE

Title: APPLICATION OF SMART ANTENNA TECHNOLOGIES IN SIMULTANEOUS WIRELESS INFORMATION AND POWER TRANSFER

Authors: [DING ZG; ZHONG CJ; NG DWK; PENG MG; SURAWEERA HA; SCHOBER R; POOR HV](#)

Source: [IEEE COMMUN MAG](#) 53 (4): 86-93 APR 2015

Addresses: [Princeton Univ](#), Princeton, NJ 08544 USA.
Univ Lancaster, Lancaster LA1 4YW, [England](#).
BUPT, Beijing, Peoples R China.
[Zhejiang Univ](#), Inst Informat & Commun Engr, Hangzhou, Zhejiang, Peoples R China.
Univ Erlangen Nurnberg, Nurnberg, Germany.
[Univ Peradeniya](#), Peradeniya, [Sri Lanka](#).

Field: [COMPUTER SCIENCE](#)

31 Citations: 23 

RESEARCH FRONT

WEB OF SCIENCE

Title: SYNCHRONIZATION CONTROL OF MEMRISTOR-BASED RECURRENT NEURAL NETWORKS WITH PERTURBATIONS

Authors: [WANG WP; LI LX](#); PENG HP; [XIAO JH](#); [YANG YX](#)

Source: [NEURAL NETWORKS](#) 53: 8-14 MAY 2014

Addresses: [Beijing Univ Posts & Telecommun](#), Sch Sci, Beijing 100876, Peoples R China.
[Beijing Univ Posts & Telecommun](#), Informat Secur Ctr, State Key Lab Networking & Switching Technol, Beijing 100876, Peoples R China.
[Hangzhou Dianzi Univ](#), Zhejiang Prov Key Lab Data Storage & Transmiss Te, Hangzhou 310018, Zhejiang, Peoples R China.

Field: [COMPUTER SCIENCE](#)

32 Citations: 22 

RESEARCH FRONT

WEB OF SCIENCE

Title: OPPORTUNITIES IN MOBILE CROWD SENSING

Authors: MA HD; [ZHAO D](#); YUAN PY

Source: [IEEE COMMUN MAG](#) 52 (8): 29-35 AUG 2014

Addresses: [Beijing Univ Posts & Telecommun](#), Beijing Key Lab Intelligent Telecommun Software &, Beijing, Peoples R China.
[Beijing Univ Posts & Telecommun](#), Sch Comp Sci, Beijing, Peoples R China.

Field: [COMPUTER SCIENCE](#)

33 Citations: 21 

RESEARCH FRONT

WEB OF SCIENCE

Title: OPTICAL ROGUE WAVES ASSOCIATED WITH THE NEGATIVE COHERENT COUPLING IN AN ISOTROPIC MEDIUM


Authors: SUN WR; [TIAN B](#); [JIANG Y](#); ZHEN HL

Source: [PHYS REV E](#) 91 (2): - FEB 13 2015

Addresses: [Beijing Univ Posts & Telecommun](#), State Key Lab Informat Photon & Opt Commun, Beijing 100876, Peoples R China.

[Beijing Univ Posts & Telecommun](#), Sch Sci, Beijing 100876, Peoples R China.

Field: [PHYSICS](#)

34 Citations: 21 

RESEARCH FRONT

WEB OF SCIENCE

Title: DISTORTION-AWARE CONCURRENT MULTIPATH TRANSFER FOR MOBILE VIDEO STREAMING IN HETEROGENEOUS WIRELESS NETWORKS

Authors: [WU JY](#); [CHENG B](#); [YUEN C](#); SHANG YL; [CHEN JL](#)

Source: [IEEE TRANS MOB COMPUT](#) 14 (4): 688-701 APR 2015

Addresses: [Beijing Univ Posts & Telecommun](#), State Key Lab Networking & Switching Technol, Beijing 100876, Peoples R China.
Singapore Univ Technol & Design, SUTD Int Design Ctr, Singapore 138682, [Singapore](#).

Field: [COMPUTER SCIENCE](#)

35 Citations: 20 

RESEARCH FRONT

WEB OF SCIENCE

Title: SOLITON SOLUTIONS AND CHAOTIC MOTIONS OF THE ZAKHAROV EQUATIONS FOR THE LANGMUIR WAVE IN THE PLASMA

Authors: ZHEN HL; [TIAN B](#); [WANG YF](#); [LIU DY](#)

Source: [PHYS PLASMAS](#) 22 (3): - MAR 2015

Addresses: [Beijing Univ Posts & Telecommun](#), State Key Lab Informat Photon & Opt Commun, Beijing 100876, Peoples R China.

[Beijing Univ Posts & Telecommun](#), Sch Sci, Beijing 100876, Peoples R China.

Field: [PHYSICS](#)

36 Citations: 19 

RESEARCH FRONT

WEB OF SCIENCE

Title: RECENT ADVANCES IN UNDERLAY HETEROGENEOUS NETWORKS: INTERFERENCE CONTROL, RESOURCE ALLOCATION, AND SELF-ORGANIZATION

Authors: [PENG MG](#); [WANG CG](#); [LI J](#); XIANG HY; LAU V

Source: [IEEE COMMUN SURV TUTOR](#) 17 (2): 700-729 2015

Addresses: [Beijing Univ Posts & Telecommun](#), Key Lab Universal Wireless Commun, Minist Educ, Beijing 100876, Peoples R China.
InterDigital Commun Corp, King Of Prussia, PA 19406 USA.
[Hong Kong Univ Sci & Technol](#), Dept Elect & Comp Engr, Hong Kong, Hong Kong, Peoples R China.

Field: [COMPUTER SCIENCE](#)

37 Citations: 18 

RESEARCH FRONT

WEB OF SCIENCE


Title: 10 GB/S HETSNETS WITH MILLIMETER-WAVE COMMUNICATIONS: ACCESS AND NETWORKING - CHALLENGES AND PROTOCOLS

Authors: [ZHENG K; ZHAO L](#); MEI J; [DOHLER M](#); XIANG W; PENG YX

Source: [IEEE COMMUN MAG](#) 53 (1): 222-231 JAN 2015

Addresses: [Beijing Univ Posts & Telecommun](#), Beijing, Peoples R China.
[Kings Coll London](#), London WC2R 2LS, [England](#).
Univ So Queensland, Sch Mech & Elect Engr, Toowoomba, Qld 4350, [Australia](#).

Field: [COMPUTER SCIENCE](#)

38 Citations: 16 

RESEARCH FRONT

WEB OF SCIENCE

Title: FRONTHAUL-CONSTRAINED CLOUD RADIO ACCESS NETWORKS: INSIGHTS AND CHALLENGES

Authors: [PENG MG; WANG CG](#); LAU V; [POOR HV](#)

Source: [IEEE WIREL COMMUN](#) 22 (2): 152-160 APR 2015

Addresses: [Beijing Univ Posts & Telecommun](#), Sch Informat & Commun Engr, Beijing 100088, Peoples R China.
[Beijing Univ Posts & Telecommun](#), Minist Educ, Key Lab Universal Wireless Commun, Grp Focusing Wireless Transmiss & Networking Tech, Beijing 100088, Peoples R China.
InterDigital Commun, Tech Staff, Innovat Lab, King Of Prussia, PA USA.
[Hong Kong Univ Sci & Technol](#), Dept ECE, Hong Kong, Hong Kong, Peoples R China.
[Hong Kong Univ Sci & Technol](#), Huawei HKUST Joint Innovat Lab, Hong Kong,

Hong Kong, Peoples R China.
[Princeton Univ](#), Princeton, NJ 08544 USA.

Field: [COMPUTER SCIENCE](#)

39 Citations: 16 

RESEARCH FRONT

WEB OF SCIENCE

Title: SOLITON DYNAMICS OF A DISCRETE INTEGRABLE ABLOWITZ-LADIK EQUATION FOR SOME ELECTRICAL AND OPTICAL SYSTEMS


Authors: [WANG YF](#); [TIAN B](#); [LI M](#); [WANG P](#); [JIANG Y](#)

Source: [APPL MATH LETT](#) 35: 46-51 SEP 2014

Addresses: [Beijing Univ Posts & Telecommun](#), State Key Lab Informat Photon & Opt Commun, Beijing 100876, Peoples R China.

[Beijing Univ Posts & Telecommun](#), Sch Sci, Beijing 100876, Peoples R China.

Field: [MATHEMATICS](#)

40 Citations: 14 

WEB OF SCIENCE

Title: TOWARD 5G DENSENETS: ARCHITECTURAL ADVANCES FOR EFFECTIVE MACHINE-TYPE COMMUNICATIONS OVER FEMTOCELLS

Authors: CONDOLUCI M; [DOHLER M](#); ARANITI G; MOLINARO A; [ZHENG K](#)

Source: [IEEE COMMUN MAG](#) 53 (1): 134-141 JAN 2015

Addresses: Univ Mediterranea Reggio Calabria, Reggio Di Calabria, [Italy](#).

[Kings Coll London](#), London WC2R 2LS, [England](#).

[Beijing Univ Posts & Telecommun](#), Beijing, Peoples R China.

Field: [COMPUTER SCIENCE](#)

41 Citations: 14



RESEARCH FRONT

WEB OF SCIENCE


Title: A NOVEL DESIGN FOR CONTENT DELIVERY OVER SOFTWARE DEFINED MOBILE SOCIAL NETWORKS

Authors: [SU Z](#); XU QC; [ZHU HJ](#); [WANG Y](#)

Source: [IEEE NETWORK](#) 29 (4): 62-67 JUL-AUG 2015

Addresses: [Shanghai Univ](#), Shanghai 200041, Peoples R China.
[Shanghai Univ](#), Sch Mechatron Engr & Automat, Shanghai 200041, Peoples R China.
[Shanghai Jiao Tong Univ](#), Dept Comp Sci & Engr, Shanghai 200030, Peoples R China.
[Beijing Univ Posts & Telecommun](#), Beijing, Peoples R China.

Field: [COMPUTER SCIENCE](#)

42 Citations: 13  RESEARCH FRONT WEB OF SCIENCE


Title: QUALITY-OF-EXPERIENCE ASSESSMENT AND ITS APPLICATION TO VIDEO SERVICES IN LTE NETWORKS

Authors: [ZHENG K](#); [ZHANG XL](#); [ZHENG Q](#); [XIANG W](#); [HANZO L](#)

Source: [IEEE WIREL COMMUN](#) 22 (1): 70-78 FEB 2015

Addresses: [Beijing Univ Posts & Telecommun](#), Minist Educ, Key Lab Universal Wireless Commun, Beijing, Peoples R China.
[Univ So Queensland](#), Sch Mech & Elect Engr, Toowoomba, Qld 4350, [Australia](#).
[Univ Southampton](#), Sch Elect & Comp Sci, Southampton SO9 5NH, Hants, [England](#).

Field: [COMPUTER SCIENCE](#)

43 Citations: 13  WEB OF SCIENCE

Title: PRIVACY-PRESERVING SELF-HELPED MEDICAL DIAGNOSIS SCHEME BASED ON SECURE TWO-PARTY COMPUTATION IN WIRELESS SENSOR NETWORKS

Authors: [SUN Y](#); [WEN QY](#); [ZHANG YD](#); [LI WM](#)

Source: [COMPUT MATH METHOD MED](#) : - 2014

Addresses: [Beijing Univ Posts & Telecommun](#), State Key Lab Networking & Switching Technol, Beijing 100876, Peoples R China.
[Columbia Univ](#), New York, NY 10032 USA.

Field: [MATHEMATICS](#)

44 Citations: 12  RESEARCH FRONT WEB OF SCIENCE

Title: GOODPUT-AWARE LOAD DISTRIBUTION FOR REAL-TIME TRAFFIC OVER MULTIPATH NETWORKS

Authors: [WU JY](#); [YUEN C](#); [CHENG B](#); SHANG YL; [CHEN JL](#)

Source: [IEEE TRANS PARALL DISTRIB SYS](#) 26 (8): 2286-2299 AUG 2015

Addresses: [Beijing Univ Posts & Telecommun](#), State Key Lab Networking & Switching Technol, Beijing 100876, Peoples R China.
Singapore Univ Technol & Design, SUTD MIT Int Design Ctr, Singapore 138682, [Singapore](#).

Field: [COMPUTER SCIENCE](#)

45 Citations: 12 

RESEARCH FRONT

WEB OF SCIENCE


Title: DYNAMICS OF AN INTEGRABLE KADOMTSEV PETVIASHVILI-BASED SYSTEM

Authors: ZHEN HL; [TIAN B](#); SUN WR

Source: [APPL MATH LETT](#) 27: 90-96 JAN 2014

Addresses: [Beijing Univ Posts & Telecommun](#), State Key Lab Informat Photon & Opt Commun, Beijing 100876, Peoples R China.
[Beijing Univ Posts & Telecommun](#), Sch Sci, Beijing 100876, Peoples R China.

Field: [MATHEMATICS](#)

46 Citations: 12 

WEB OF SCIENCE

Title: DROMION-LIKE STRUCTURES IN THE VARIABLE COEFFICIENT NONLINEAR SCHRÖDINGER EQUATION

Authors: [LIU WJ](#); [TIAN B](#); [LEI M](#)

Source: [APPL MATH LETT](#) 30: 28-32 APR 2014

Addresses: [Beijing Univ Posts & Telecommun](#), Sch Sci, Beijing 100876, Peoples R China.

Field: [MATHEMATICS](#)

47 Citations: 11 

WEB OF SCIENCE

Title: JOINT POWER SPLITTING AND ANTENNA SELECTION IN ENERGY HARVESTING RELAY CHANNELS

Authors: [ZHOU Z](#); [PENG MG](#); [ZHAO ZY](#); [LI Y](#)

Source: [IEEE SIGNAL PROCESS LETT](#) 22 (7): 823-827 JUL 2015

Addresses: [Beijing Univ Posts & Telecommun](#), Minist Educ, Key Lab Universal Wireless Commun, Beijing, Peoples R China.

Field: [ENGINEERING](#)

48 Citations: 11 

RESEARCH FRONT

WEB OF SCIENCE

Title: SOLITONS VIA AN AUXILIARY FUNCTION FOR AN INHOMOGENEOUS HIGHER-ORDER NONLINEAR SCHRODINGER EQUATION IN OPTICAL FIBER COMMUNICATIONS

Authors: [WANG YF](#); [TIAN B](#); [WANG M](#); ZHEN HL

Source: [NONLINEAR DYNAMICS](#) 79 (1): 721-729 JAN 2015

Addresses: [Beijing Univ Posts & Telecommun](#), State Key Lab Informat Photon & Opt Commun, Beijing 100876, Peoples R China.

[Beijing Univ Posts & Telecommun](#), Sch Sci, Beijing 100876, Peoples R China.

Field: [ENGINEERING](#)

49 Citations: 11 

RESEARCH FRONT

WEB OF SCIENCE

Title: BREATHERS AND ROGUE WAVES OF THE FIFTH-ORDER NONLINEAR SCHRODINGER EQUATION IN THE HEISENBERG FERROMAGNETIC SPIN CHAIN


Authors: SUN WR; [TIAN B](#); ZHEN HL; [SUN Y](#)

Source: [NONLINEAR DYNAMICS](#) 81 (1-2): 725-732 JUL 2015

Addresses: [Beijing Univ Posts & Telecommun](#), State Key Lab Informat Photon & Opt Commun, Beijing 100876, Peoples R China.

[Beijing Univ Posts & Telecommun](#), Sch Sci, Beijing 100876, Peoples R China.

Field: [ENGINEERING](#)

50 Citations: 11 

RESEARCH FRONT

WEB OF SCIENCE

Title: CSO: CROSS STRATUM OPTIMIZATION FOR OPTICAL AS A SERVICE

Authors: [YANG H; ZHANG J; ZHAO YL](#); JI YF; HAN JR; [LIN Y; LEE Y](#)

Source: [IEEE COMMUN MAG](#) 53 (8): 130-139 AUG 2015

Addresses: [Beijing Univ Posts & Telecommun](#), Inst Informat Photon & Opt Commun, Beijing, Peoples R China.
Huawei Technol Co Ltd, Shenzhen, Guangdong, Peoples R China.

Field: [COMPUTER SCIENCE](#)

51 Citations: 11 

RESEARCH FRONT

WEB OF SCIENCE

Title: COOPERATIVE NON-ORTHOGONAL MULTIPLE ACCESS IN 5G SYSTEMS

Authors: [DING ZG; PENG MG; POOR HV](#)

Source: [IEEE COMMUN LETT](#) 19 (8): 1462-1465 AUG 2015

Addresses: [Princeton Univ](#), Dept Elect Engr, Princeton, NJ 08544 USA.
Univ Lancaster, Sch Comp & Commun, Lancaster LA1 4WA, [England](#).
[Beijing Univ Posts & Telecommun](#), Inst Telecommun, Beijing 100876, Peoples R China.

Field: [COMPUTER SCIENCE](#)

52 Citations: 10 

RESEARCH FRONT

WEB OF SCIENCE

Title: ACHIEVABLE THROUGHPUT OPTIMIZATION IN ENERGY HARVESTING COGNITIVE RADIO SYSTEMS

Authors: YIN SX; QU ZW; [LI SF](#)

Source: [IEEE J SEL AREA COMMUN](#) 33 (3): 407-422 MAR 2015

Addresses: [Beijing Univ Posts & Telecommun](#), Beijing 100876, Peoples R China.

Field: [COMPUTER SCIENCE](#)

53 Citations: 10 

RESEARCH FRONT

WEB OF SCIENCE

Title: A LIGHTWEIGHT ID BASED AUTHENTICATION AND KEY AGREEMENT PROTOCOL FOR MULTISERVER ARCHITECTURE

Authors: LU YR; [LI LX](#); PENG HP; [YANG X](#); [YANG YX](#)

Source: [INT J DISTRIB SENS NETW](#) : - 2015

Addresses: [Beijing Univ Posts & Telecommun](#), State Key Lab Networking & Switching Technol, Informat Secur Ctr, Beijing 100876, Peoples R China.

[Beijing Univ Posts & Telecommun](#), Natl Engrn Lab Disaster Backup & Recovery, Beijing 100876, Peoples R China.

Field: [COMPUTER SCIENCE](#)

54 Citations: 7 

RESEARCH FRONT

WEB OF SCIENCE

Title: SELF-ASSEMBLY OF PARALLELLY ALIGNED NIO HIERARCHICAL NANOSTRUCTURES WITH ULTRATHIN NANOSHEET SUBUNITS FOR ELECTROCHEMICAL SUPERCAPACITOR APPLICATIONS

Authors: [MIN J](#); [LIU J](#); [LEI M](#); [WANG WJ](#); LU YK; [YANG LY](#); [YANG Q](#); [LIU G](#); [SU N](#)

Source: [ACS APPL MATER INTERFACES](#) 8 (1): 780-791 JAN 13 2016

Addresses: [Cent S Univ](#), Sch Mat Sci & Engrn, Changsha 410083, Hunan, Peoples R China.

[Beijing Univ Posts & Telecommun](#), State Key Lab Informat Photon & Opt Commun, Beijing 100876, Peoples R China.

[Chinese Acad Sci](#), Inst Phys, Beijing Natl Lab Condensed Matter Phys, Beijing 100190, Peoples R China.

Xiangya Hosp, Dept Hepatobiliary Pancreas Surg, Changsha 410008, Hunan, Peoples R China.

Field: [MATERIALS SCIENCE](#)

55 Citations: 6 

WEB OF SCIENCE

Title: DOES P-TYPE OHMIC CONTACT EXIST IN WSE₂-METAL INTERFACES?


Authors: [WANG YY](#); YANG RX; QUHE R; [ZHONG HX](#); CONG LX; [YE M](#); NI ZY; SONG ZG;

[YANG JB; SHI JJ; LI J; LU J](#)

Source: [NANOSCALE](#) 8 (2): 1179-1191 2016

Addresses: [Peking Univ](#), State Key Lab Mesoscop Phys, Beijing 100871, Peoples R China.
[Peking Univ](#), Dept Phys, Beijing 100871, Peoples R China.
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[MIT](#), Dept Mat Sci & Engn, Cambridge, MA 02139 USA.
[Univ Bath](#), Dept Chem, Bath BA2 7AY, Avon, [England](#).
[Beijing Univ Posts & Telecommun](#), State Key Lab Informat Photon & Opt Commun, Beijing 100876, Peoples R China.
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[Peking Univ](#), Acad Adv Interdisciplinary Studies, Beijing 100871, Peoples R China.
[Washington Univ](#), Dept Phys, St Louis, MO 63130 USA.
Collaborat Innovat Ctr Quantum Matter, Beijing 100871, Peoples R China.

Field: [PHYSICS](#)

56 Citations: 5 

[RESEARCH FRONT](#) [WEB OF SCIENCE](#)


Title: DELAY-CONSTRAINED HIGH DEFINITION VIDEO TRANSMISSION IN HETEROGENEOUS WIRELESS NETWORKS WITH MULTI-HOMED TERMINALS

Authors: [WU JY; YUEN C](#); CHEUNG NM; [CHEN JL](#)

Source: [IEEE TRANS MOB COMPUT](#) 15 (3): 641-655 MAR 2016

Addresses: Singapore Univ Technol & Design, Engn Prod Dev Pillar, 8 Somapah Rd, Singapore 487372, [Singapore](#).
Singapore Univ Technol & Design, Informat Syst Technol & Design Pillar, 8 Somapah Rd, Singapore 487372, [Singapore](#).
[Beijing Univ Posts & Telecommun](#), State Key Lab Networking & Switching Technol, Beijing 100876, Peoples R China.

Field: [COMPUTER SCIENCE](#)

57 Citations: 5 

[RESEARCH FRONT](#) [WEB OF SCIENCE](#)


Title: CONTENT-AWARE CONCURRENT MULTIPATH TRANSFER FOR HIGH-DEFINITION VIDEO STREAMING OVER HETEROGENEOUS WIRELESS NETWORKS

Authors: [WU JY; YUEN C](#); [WANG M](#); [CHEN JL](#)

Source: [IEEE TRANS PARALL DISTRIB SYS](#) 27 (3): 710-723 MAR 2016

Addresses: Singapore Univ Technol & Design, Engn Prod Dev Pillar, 8 Somapah Rd, Singapore 487372, [Singapore](#).
[Beijing Univ Posts & Telecommun](#), State Key Lab Networking & Switching Technol, Beijing 100876, Peoples R China.

Field: [COMPUTER SCIENCE](#)

58 Citations: 3 

WEB OF SCIENCE

Title: BIG DATA-DRIVEN OPTIMIZATION FOR MOBILE NETWORKS TOWARD 5G

Authors: [ZHENG K](#); [YANG Z](#); [ZHANG K](#); CHATZIMISIOS P; [YANG K](#); XIANG W

Source: [IEEE NETWORK](#) 30 (1): 44-51 JAN-FEB 2016

Addresses: [Beijing Univ Posts & Telecommun](#), Beijing, Peoples R China.
[Univ Waterloo](#), Dept Elect & Comp Engn, Broadband Commun Res BCCR Grp, Waterloo, ON N2L 3G1, [Canada](#).
Alexander Technol Educ Inst Thessaloniki, Thessaloniki, [Greece](#).
[James Cook Univ](#), Coll Sci Technol & Engn, Townsville, Qld, [Australia](#).

Field: [COMPUTER SCIENCE](#)

59 Citations: 3 

RESEARCH FRONT

WEB OF SCIENCE

Title: TRADING DELAY FOR DISTORTION IN ONE-WAY VIDEO COMMUNICATION OVER THE INTERNET

Authors: [WU JY](#); [CHENG B](#); [YUEN C](#); CHEUNG NM; [CHEN JL](#)

Source: [IEEE TRANS CIRC SYST VIDEO T](#) 26 (4): 711-723 APR 2016

Addresses: [Beijing Univ Posts & Telecommun](#), State Key Lab Networking & Switching Technol, Beijing 100876, Peoples R China.
Singapore Univ Technol & Design, Engn Prod Dev Pillar, Singapore 487372, [Singapore](#).
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Field: [ENGINEERING](#)

