

# 上海大学 ESI 高被引论文通告（第 9 期）

上海大学情报研究所 上海大学图书馆

二零一五年四月十三日

ESI(Essential Science Indicators<sup>SM</sup>)的数据来源于超过 10000 种 SCI 和 SSCI 收录的期刊。数据覆盖当前的滚动十年，每两个月更新一次。

- **高被引论文 (Highly Cited Papers)**: 指按照 22 个学科分类, 论文被引次数高低排序在前 1%的论文;
- **热点论文 (Hot Papers)**: 最近两年里发表的论文中, 按照最近两个月某个学科领域被引用次数进入前 1%的论文;

本期信息来源说明如下:

检索数据库	ESI 数据库 Highly Cited Papers	ESI 数据库 Hot Papers
检索时间	2015 年 4 月 2 日	2015 年 4 月 2 日
检索词	Institution=Shanghai Univ	Institution=Shanghai Univ
检索结果	96 篇	2 篇

根据 ESI 数据库 2015 年 3 月 1 日更新数据, 上海大学高被引论文篇数为 96 篇。与 2015 年 1 月 1 日更新数据相比, 论文数增加了 1 篇, 且新进库论文 10 篇, 见“3 全校 ESI 高被引论文详情”的红色字体内容。

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# 1 上海大学 ESI 高被引论文概况

## 1.1 发表年份分布

年份	2004	2005	2006	2007	2009	2010	2011	2012	2013	2014
篇数	3	2	5	5	10	13	12	18	18	10
第一作者(篇)	2	2	0	3	8	8	8	12	14	6
通讯作者(篇)	2	2	0	3	8	8	7	10	14	6
第一作者及通讯作者合计(篇)	2	2	0	3	8	8	8	12	15	6

注：上表的年份指论文发表年份。

## 1.2 院系所分布

按照 ESI 数据库中第一作者和通讯作者论文所署地址统计。只要第一作者和通讯作者中至少有一个是上海大学的均列入下表。第一作者或通讯作者论文所署地址标有 2 个以上上海大学单位的做重复计数列入表格。作者名后标\*号的表示该作者论文所署地址是上海大学但不是所列院系所。“第一作者”一列中空白表示第一作者所署地址不是上海大学，“通讯作者”一列中空白表示通讯作者所署地址不是上海大学。

院系所名称	篇数	出版年	第一作者	通讯作者	期刊名	影响因子及分区(当年)
理学院数学系 (Dept Math)	15	2004	Wang QW	Wang QW	LINEAR ALGEBRA APPL	--
		2005	Wang QW	Wang QW	COMPUT MATH APPL	--
		2009	Wang QW	Wang QW	LINEAR ALGEBRA APPL	1.073/Q2
		2009	Wang QW	Wang QW	LINEAR ALGEBRA APPL	1.073/Q2
		2013	He ZH	Wang QW	LINEAR MULTILINEAR A	0.700/Q2
		2004	Li CP	Li CP	CHAOS SOLITON FRACT	--
		2007	Li CP	Li CP	APPL MATH COMPUT	--
		2009	Li CP	Li CP	COMPUT MATH APPL	1.192/Q2
		2011	Li CP	Li CP	COMPUT MATH APPL	1.747/Q1
		2012	Li CP	Li CP	INT J BIFURCAT CHAOS	0.921/Q2
		2012	Li CP	Li CP	FRACT CALC APPL ANAL	--
		2013	Li CP	Li CP	NUMER FUNC ANAL OPT	0.542/Q4
		2005	Deng WH	Li CP	PHYSICA A	--
		2007	Deng WH	Li CP	NONLINEAR DYNAM	--
		2007	Deng WH	Deng WH	J COMPUT APPL MATH	--
理学院化学系 (Dept Chem)	16	2013	Zhao HB	Xu JQ	J POWER SOURCES	5.211/Q1
		2014	Zhao HB	Zhao HB	J POWER SOURCES	5.211/Q1
		2010	Li CJ	Li CJ	ORG BIOMOL CHEM	3.451/Q1
		2010	Li CJ	Li CJ	CHEM COMMUN	5.787/Q1
		2012	Li CJ	Li CJ	ORG LETT	6.142/Q1
		2013	Li CJ	Li CJ	CHEM COMMUN	6.718/Q1
		2013	Wang XY	Jia XS	POLYM CHEM-UK	5.368/Q1
		2009	Zhang Y	Xu JQ	J PHYS CHEM C	4.224/Q1
		2012	Du XJ	Zhang DS	J PHYS CHEM C	4.814/Q1
		2013	Zhang DS	Zhang DS	NANOSCALE	6.739/Q1
		2010	Chen SQ	Wang Y	J MATER CHEM	5.101/Q1
		2011	Zou YQ	Wang Y	ACS NANO	11.421/Q1
		2013	Gu Y	Wang Y	ACS APPL MATER INTER	5.900/Q1
		2013	Chen P	Wang Y	J POWER SOURCES	5.211/Q1

		2012	Zhang DS	Zhang DS	J MATER CHEM	6.108/Q1
		2014	Wang H	Xu B	J ORG CHEM	4.638/Q1
		2012	Shu XY		CHEM COMMUN	6.378/Q1
		2011	Zou YQ	Wang Y	NANOSCALE	5.914/Q1
		2011	Zou YQ	Wang Y	ACS NANO	11.421/Q1
		2012	Zhao B	Jiang Y	J POWER SOURCES	4.675/Q1
		2010	Chen SQ	Wang Y	J MATER CHEM	5.101/Q1
		2012	Chen SQ		J POWER SOURCES	4.675/Q1
		2013	Chen P	Wang Y	J POWER SOURCES	5.211/Q1
		2009	Jiang YF	Wang XT	J HAZARD MATER	4.144/Q1
		2013	Gu Y	Wang Y	ACS APPL MATER INTER	5.900/Q1
		2013	Wang XT	Wang XT	SCI TOTAL ENVIRON	3.163/Q1
		2012	Zhang HJ	Zhang HJ	CRYSTENGCOMM	3.879/Q1
		2009	Pan DY	Pan DY	CHEM MATER	5.368/Q1
		2010	Pan DY	Pan DY	ADV MATER	10.880/Q1
		2010	Pan DY	Pan DY	CHEM COMMUN	5.787/Q1
		2012	Pan DY	Pan DY	J MATER CHEM	6.108/Q1
		2010	Yang ST	Wang HF	J COLLOID INTERF SCI	3.068/Q2
		2011	Yang ST	Wang HF	J COLLOID INTERF SCI	3.070/Q2
		2013	Yang ST	Cao AN	SMALL	7.514/Q1
		2010	Cao AN	Cao AN	ADV MATER	10.880/Q1
		2011	Chang YL	Cao AN	TOXICOL LETT	3.230/Q1
		2012	Zhang HJ	Zhang HJ	CRYSTENGCOMM	3.879/Q1
		2011	Hu LL	Hu LL	PLOS ONE	4.092/Q1
		2013	Tu YS	Tu YS	NAT NANOTECHNOL	33.265/Q1
		2013	Zhang XJ		BIOINFORMATICS	4.621/Q1
		2013		Cai YD	CURR BIOINFORM	1.726/Q2
		2012	Liu XP	Zhao XM	J AM MED INFORM ASSN	3.571/Q1
		2012	Du XJ	Zhang DS	J PHYS CHEM C	4.814/Q1
		2014	Wang H	Zhang DS	J MATER CHEM A	--
		2013	Zhang DS	Zhang DS	NANOSCALE	6.739/Q1
		2014	Wei ZW	Sun LN	BIOMATERIALS	8.312/Q1
		2012	Zhang DS	Zhang DS	JJ MATER CHEM	6.108/Q1
		2009	Feng GR	Feng GR	IEEE T NEURAL NETWORK	2.889/Q1
		2013	Zhang XJ		BIOINFORMATICS	4.621/Q1
		2012	Liu XP	Zhao XM*	J AM MED INFORM ASSN	3.571/Q1
		2011	Yang WG		CHEM COMMUN	6.169/Q1
		2014	Wang H	Zhang DS	J MATER CHEM A	--
		2006	Zhou J	Zhou J	IEEE T CIRCUITS-I	--
		2014	Peng MJ*	Cheng YM	ENG ANAL BOUND ELEM	1.437/Q1
		2012	Sun XJ	Huang DG	ENERGY	3.651/Q1
		2009	Zhang JH	Zhang JH	J ELECTRON PACKAGING	0.781/Q2
		2013	Shen LQ	Shen LQ	IEEE T MULTIMEDIA	1.776/Q1
		2013	Peng C	Peng C	AUTOMATICA	3.132/Q1
		2014	Niu Q	Niu Q	ENERGY	4.159/Q1
		2009	Jiang YF	Wang XT	J HAZARD MATER	4.144/Q1
		2013	Wang XT	Wang XT	SCI TOTAL ENVIRON	3.163/Q1
		2010	Chen X	Chen X	PHYS REV LETT	7.622/Q1
		2014	Peng MJ	Cheng YM*	ENG ANAL BOUND ELEM	1.437/Q1

理学院/创新药物研究中心(Innovat Drug Res Ctr)	1	2014	Wang H	Xu B	J ORG CHEM	4.638/Q1
上海市电站自动化技术重点实验室(Shanghai Key Lab Power Stn Automat Technol)	1	2014	Niu Q	Niu Q	ENERGY	4.159/Q1
生命科学学院/生物传感实验室(Lab Biosensing Technol)	1	2011	Zhao J	Li GX	ELECTROCHEM COMMUN	4.859/Q1

注：上表的影响因子及分区为论文发表当年数据，2014年发表的论文的影响因子及分区为2013年数据。

## 1.3 来源出版物分布

期刊名称	影响因子及分区(2013)	发文篇数	期刊名称	影响因子及分区(2013)	发文篇数
CHEM COMMUN	6.718/Q1	6	ELECTROCHEM COMMUN	4.287/Q1	1
J POWER SOURCES	5.211/Q1	5	ENVIRON SCI TECHNOL	5.481/Q1	1
PLOS ONE	3.534/Q1	5	FRACT CALC APPL ANAL	2.974/Q1	1
J AM CHEM SOC	11.444/Q1	4	IEEE T CIRCUITS-I	2.303/Q1	1
COMPUT MATH APPL	1.996/Q1	3	IEEE T MULTIMEDIA	1.776/Q1	1
J MATER CHEM	6.626/Q1	3	IEEE T NEURAL NETWORK	--	1
J PHYS CHEM C	4.835/Q1	3	J AM MED INFORM ASSN	3.932/Q1	1
LINEAR ALGEBRA APPL	0.983/Q2	3	J COMPUT APPL MATH	1.077/Q2	1
ADV MATER	15.409/Q1	2	J ELECTRON PACKAGING	0.645/Q3	1
APPL MATH COMPUT	1.600/Q1	2	J MATER CHEM A	--	1
BIOINFORMATICS	4.621/Q1	2	J MATER CHEM B	--	1
ENERGY	4.159/Q1	2	J ORG CHEM	4.638/Q1	1
ENG ANAL BOUND ELEM	1.437/Q1	2	LINEAR MULTILINEAR A	0.700/Q2	1
IEEE T CIRCUITS-I	2.303/Q1	2	MOL BIOSYST	3.183/Q2	1
INT J BIFURCAT CHAOS	1.017/Q2	2	NAT COMMUN	10.742/Q1	1
J COLLOID INTERF SCI	3.552/Q2	2	NAT MATER	36.425/Q1	1
J HAZARD MATER	4.331/Q1	2	NAT NANOTECHNOL	33.265/Q1	1
NANOSCALE	6.739/Q1	2	NONLINEAR DYNAM	2.419/Q1	1
ACS APPL MATER INTER	5.900/Q1	1	NUMER FUNC ANAL OPT	0.542/Q4	1
ACS NANO	12.033/Q1	1	ORG BIOMOL CHEM	3.487/Q1	1
ADV ATOM MOL OPT PHY	3.400/Q1	1	ORG LETT	6.324/Q1	1
APPL CLAY SCI	2.703/Q1	1	PHYS REV A	2.991/Q1	1
AUTOMATICA	3.132/Q1	1	PHYS REV LETT	7.728/Q1	2
BIOMATERIALS	8.312/Q1	1	PHYSICA A	1.722/Q2	1
BMC BIOINFORMATICS	2.672/Q1	1	PLANT CELL	9.575/Q1	1
CARBON	6.160/Q1	1	PLANT PHYSIOL	7.394/Q1	1
CHAOS SOLITON FRACT	1.503/Q2	1	POLYM CHEM-UK	5.368/Q1	1
CHEM MATER	8.535/Q1	1	SCI TOTAL ENVIRON	3.163/Q1	1
COMPUT METHOD APPL M	2.626/Q1	1	SMALL	7.514/Q1	1
CRYSTENGCOMM	3.858/Q1	1	TECHNOVATION	2.704/Q1	1
CURR BIOINFORM	1.726/Q2	1	TOXICOL LETT	3.355/Q1	1

注：上表的影响因子及分区为 2013 年数据。

上表中列出的是我校所有 ESI 高被引论文的来源出版物。其中最多的是 CHEM COMMUN，有 6 篇，只刊有 1 篇的占了总数的 70%左右。

## 2 全校 ESI 热点论文

1 Citations: 34

Title: HOPPING TRANSPORT THROUGH DEFECT-INDUCED LOCALIZED STATES IN MOLYBDENUM DISULPHIDE

Authors: QIU H; XU T; WANG ZL; REN W; NAN HY; NI ZH; CHEN Q; YUAN SJ; MIAO F; SONG FQ; LONG G; SHI Y; SUN LT; WANG JL; WANG XR

Source: NAT COMMUN 4: - OCT 2013

Addresses: Nanjing Univ, Sch Elect Sci & Engr, Natl Lab Solid State Microstruct, Natl Ctr Microstruct & Quantum Manipulat, Nanjing 210093, Jiangsu, Peoples R China.

Southeast Univ, Minist Educ, Key Lab MEMS, SEU FEI Nano Pico Ctr, Nanjing 210096, Jiangsu, Peoples R China.

Southeast Univ, Dept Phys, Nanjing 211189, Jiangsu, Peoples R China.

Shanghai Univ, Dept Phys, Shanghai 200444, Peoples R China.

Nanjing Univ, Sch Phys, Nanjing 210093, Jiangsu, Peoples R China.

Field: PHYSICS

2 Citations: 3

Title: LI<sub>2</sub>ZRO<sub>3</sub>-COATED 0.4LI(2)MNO(3)CENTER DOT 0.6LNI(1/3)CO(1/3)MN(1/3)O(2) FOR HIGH PERFORMANCE CATHODE MATERIAL IN LITHIUM-ION BATTERY

Authors: MIAO XW; NI H; ZHANG H; WANG CG; FANG JH; YANG G

Source: J POWER SOURCES 264: 147-154 OCT 15 2014

Addresses: Changshu Inst Technol, Jiangsu Lab Adv Funct Mat, Changshu 215500, Peoples R China.

Shanghai Univ, Dept Chemishy, Shanghai 200444, Peoples R China.

Field: ENGINEERING

### 3 全校 ESI 高被引论文详情 (红色字体内容为新进库论文)

1 Citations: 436

Title: HYDROTHERMAL ROUTE FOR CUTTING GRAPHENE SHEETS INTO BLUE-LUMINESCENT GRAPHENE QUANTUM DOTS

Authors: PAN DY; ZHANG JC; LI Z; WU MH

Source: ADVAN MATER 22 (6): 734+ FEB 9 2010

Addresses: Shanghai Univ, Inst Nanochem & Nanobiol, Shanghai 201800, Peoples R China.

Shanghai Univ, Shanghai Appl Radiat Inst, Shanghai 201800, Peoples R China.

Field: MATERIALS SCIENCE

2 Citations: 321

Title: LI STORAGE PROPERTIES OF DISORDERED GRAPHENE NANOSHEETS

Authors: PAN DY; WANG S; ZHAO B; WU MH; ZHANG HJ; WANG Y; JIAO Z

Source: CHEM MATER 21 (14): 3136-3142 JUL 28 2009

Addresses: Shanghai Univ, Inst Nanochem & Nanobiol, Shanghai 201800, Peoples R China.

Shanghai Univ, Sch Environm & Chem Engn, Shanghai 201800, Peoples R China.

Field: MATERIALS SCIENCE

3 Citations: 291

Title: A FACILE ONE-STEP METHOD TO PRODUCE GRAPHENE-CDS QUANTUM DOT NANOCOMPOSITES AS PROMISING OPTOELECTRONIC MATERIALS

Authors: CAO AN; LIU Z; CHU SS; WU MH; YE ZM; CAI ZW; CHANG YL; WANG SF; GONG QH; LIU YF

Source: ADVAN MATER 22 (1): 103+ JAN 5 2010

Addresses: Shanghai Univ, Inst Nanochem & Nanobiol, Shanghai 200444, Peoples R China.

Peking Univ, State Key Lab Mesoscop Phys, Sch Phys, Beijing 100871, Peoples R China.

Peking Univ, Beijing Natl Lab Mol Sci, Coll Chem & Mol Engn, Beijing 100871, Peoples R China.

Field: MATERIALS SCIENCE

4 Citations: 290

Title: CARBON DOTS FOR OPTICAL IMAGING IN VIVO

Authors: YANG ST; CAO L; LUO PGJ; LU FS; WANG X; WANG HF; MEZIANI MJ; LIU YF; QI G; SUN YP

Source: J AM CHEM SOC 131 (32): 11308+ AUG 19 2009

Addresses: Peking Univ, Coll Chem & Mol Engn, Dept Biol Chem, Beijing Natl Lab Mol Sci, Beijing 100871, Peoples R China.

Clemson Univ, Dept Chem, Clemson, SC 29634 USA.

Clemson Univ, Lab Emerging Mat & Technol, Clemson, SC 29634 USA.

Shanghai Univ, Inst Nanochem & Nanobiol, Shanghai 200444, Peoples R China.

Field: CHEMISTRY

5 Citations: 258

Title: A SURFACE FUNCTIONAL MONOMER-DIRECTING STRATEGY FOR HIGHLY DENSE IMPRINTING OF TNT AT SURFACE OF SILICA NANOPARTICLES

Authors: GAO DM; ZHANG ZP; WU MH; XIE CG; GUAN GJ; WANG DP

Source: J AM CHEM SOC 129 (25): 7859-7866 JUN 27 2007

Addresses: Chinese Acad Sci, Inst Intelligent Machines, Hefei 230031, Anhui, Peoples R China.

Univ Sci & Technol China, Dept Chem, Hefei 230026, Anhui, Peoples R China.

Shanghai Univ, Inst Nanochem & Biol, Shanghai 200436, Peoples R China.

Field: CHEMISTRY

6 Citations: 228

Title: CHAOS IN CHENS SYSTEM WITH A FRACTIONAL ORDER

Authors: LI CP; PENG GJ

Source: CHAOS SOLITON FRACTAL 22 (2): 443-450 OCT 2004

Addresses: Shanghai Univ, Dept Math, Shanghai 200436, Peoples R China.

Field: PHYSICS

7 Citations: 226

Title: IN VITRO TOXICITY EVALUATION OF GRAPHENE OXIDE ON A549 CELLS  
Authors: CHANG YL; YANG ST; LIU JH; DONG E; WANG YW; CAO AN; LIU YF; WANG HF  
Source: TOXICOL LETT 200 (3): 201-210 FEB 5 2011  
Addresses: Shanghai Univ, Inst Nanochem & Nanobiol, Shanghai 200444, Peoples R China.  
Peking Univ, Beijing Natl Lab Mol Sci, Beijing 100871, Peoples R China.  
Peking Univ, Coll Chem & Mol Engr, Beijing 100871, Peoples R China.  
Field: PHARMACOLOGY & TOXICOLOGY

8 Citations: 190

Title: A GRAPHENE-BASED FLUORESCENT NANOPROBE FOR SILVER(I) IONS DETECTION BY USING GRAPHENE OXIDE AND A SILVER-SPECIFIC OLIGONUCLEOTIDE  
Authors: WEN YQ; XING FF; HE SJ; SONG SP; WANG LH; LONG YT; LI D; FAN CH  
Source: CHEM COMMUN 46 (15): 2596-2598 2010  
Addresses: Chinese Acad Sci, Shanghai Inst Appl Phys, Phys Biol Lab, Shanghai 201800, Peoples R China.  
Shanghai Univ, Dept Chem, Sch Sci, Shanghai 200444, Peoples R China.  
E China Univ Sci & Technol, Sch Chem & Chem Engr, Shanghai 200237, Peoples R China.  
Field: CHEMISTRY

9 Citations: 184

Title: CARBON DOTS AS NONTOXIC AND HIGH-PERFORMANCE FLUORESCENCE IMAGING AGENTS  
Authors: YANG ST; WANG X; WANG HF; LU FS; LUO PJG; CAO L; MEZIANI MJ; LIU JH; LIU YF; CHEN M; HUANG YP; SUN YP  
Source: J PHYS CHEM C 113 (42): 18110-18114 OCT 22 2009  
Addresses: Peking Univ, Coll Chem & Mol Engr, Beijing Natl Lab Mol Sci, Beijing 100871, Peoples R China.  
Clemson Univ, Dept Chem, Clemson, SC 29634 USA.  
Clemson Univ, Lab Emerging Mat & Technol, Clemson, SC 29634 USA.  
Shanghai Univ, Inst Nanochem & Nanobiol, Shanghai 200444, Peoples R China.  
Xiamen Univ, Lab Mass Spectrometry, Dept Oceanog, Xiamen 361005, Peoples R China.  
Field: PHYSICS

10 Citations: 166

Title: BRUSH-LIKE HIERARCHICAL ZNO NANOSTRUCTURES: SYNTHESIS, PHOTOLUMINESCENCE AND GAS SENSOR PROPERTIES  
Authors: ZHANG Y; XIANG Q; LI H; PAN QY; XU PC  
Source: J PHYS CHEM C 113 (9): 3430-3435 MAR 5 2009  
Addresses: Shanghai Univ, Dept Chem, Coll Sci, Shanghai 200444, Peoples R China.  
Shanghai Univ, Dept Phys, Coll Sci, Shanghai 200444, Peoples R China.  
Chinese Acad Sci, Shanghai Inst Microsyst & Informat Technol, State Key Lab Transducer Technol, Shanghai 200050, Peoples R China.  
Field: PHYSICS

11 Citations: 163

Title: EXPOSURE OF ELECTRONICS DISMANTLING WORKERS TO POLYBROMINATED DIPHENYL ETHERS, POLYCHLORINATED BIPHENYLS, AND ORGANOCHLORINE PESTICIDES IN SOUTH CHINA  
Authors: BI XH; THOMAS GO; JONES KC; QU WY; SHENG GY; MARTIN FL; FU JM  
Source: ENVIRON SCI TECHNOL 41 (16): 5647-5653 AUG 15 2007  
Addresses: Univ Lancaster, Lancaster Environm Ctr, Ctr Chem Management, Lancaster LA1 4YQ, England.  
Univ Lancaster, Lancaster Environm Ctr, Dept Environm Sci, Lancaster LA1 4YQ, England.  
Chinese Acad Sci, Guangzhou Inst Geochem, Guangdong Key Lab Environm & Resource, State Key Lab Organ Geochem, Guangzhou 510640, Peoples R China.  
Univ Lancaster, Dept Biol Sci, Biomed Sci Unit, Lancaster LA1 4YQ, England.  
Shanghai Univ, Sch Environm & Chem Engr, Inst Environm Pollut & Hlth, Shanghai 200072, Peoples R China.  
Field: ENVIRONMENT/ECOLOGY

12 Citations: 159

Title: CHAOS SYNCHRONIZATION OF THE FRACTIONAL LU SYSTEM  
Authors: DENG WH; LI CP  
Source: PHYSICA A 353: 61-72 AUG 1 2005  
Addresses: Shanghai Univ, Dept Math, Shanghai 200444, Peoples R China.  
Lanzhou Univ, Sch Math & Stat, Lanzhou 730000, Peoples R China.  
Univ Pretoria, Dept Elect Elect & Comp Engr, ZA-0002 Pretoria, South Africa.  
Field: PHYSICS



13 Citations: 155

Title: THE RICE TAPETUM DEGENERATION RETARDATION GENE IS REQUIRED FOR TAPETUM DEGRADATION AND ANther DEVELOPMENT

Authors: LI N; ZHANG DS; LIU HS; YIN CS; LI XX; LIANG WQ; YUAN Z; XU B; CHU HW; WANG J; WEN TQ; HUANG H; LUO D; MA H; ZHANG DB

Source: PLANT CELL 18 (11): 2999-3014 NOV 2006

Addresses: Shanghai Jiao Tong Univ, Shanghai Inst Biol Sci, Minist Educ, Penn State Univ, Key Lab Microbial Metab, Joint Ctr Life Sci, Sch Life Sci & Biotechnol, Shanghai 200240, Peoples R China.

Shanghai Univ, Coll Life Sci, Shanghai 200436, Peoples R China.

Chinese Acad Sci, Shanghai Inst Biol Sci, Inst Plant Physiol & Ecol, Shanghai 200032, Peoples R China.

Penn State Univ, Dept Biol, Huck Inst Life Sci, University Pk, PA 16802 USA.

Field: PLANT & ANIMAL SCIENCE

14 Citations: 143

Title: PORPHYRIN NANOESICLES GENERATED BY PORPHYRIN BILAYERS FOR USE AS MULTIMODAL BIOPHOTONIC CONTRAST AGENTS

Authors: LOVELL JF; JIN CS; HUYNH E; JIN HL; KIM C; RUBINSTEIN JL; CHAN WCW; CAO WG; WANG LV; ZHENG G

Source: NAT MATER 10 (4): 324-332 APR 2011

Addresses: Univ Toronto, Inst Biomat & Biomed Engr, Toronto, ON M5G 1L7, Canada.

Univ Hlth Network, Ontario Canc Inst, Toronto, ON M5G 1L7, Canada.

Univ Toronto, Dept Med Biophys, Toronto, ON M5G 1L7, Canada.

Washington Univ, Opt Imaging Lab, Dept Biomed Engr, St Louis, MO 63130 USA.

Hosp Sick Children, Res Inst, Toronto, ON M5G 1X8, Canada.

Shanghai Univ, Dept Chem, Shanghai 200444, Peoples R China.

Field: MATERIALS SCIENCE

15 Citations: 143

Title: PREDICTING DRUG-TARGET INTERACTION NETWORKS BASED ON FUNCTIONAL GROUPS AND BIOLOGICAL FEATURES

Authors: HE ZS; ZHANG J; SHI XH; HU LL; KONG XY; CAI YD; CHOU KC

Source: PLOS ONE 5 (3): - MAR 11 2010

Addresses: Chinese Acad Sci, Shanghai Inst Biol Sci, CAS MPG Partner Inst Computat Biol, Shanghai, Peoples R China.

Shanghai Univ, Inst Syst Biol, Shanghai, Peoples R China.

Yangpu Dist Cent Hosp, Dept Ophthalmol, Shanghai, Peoples R China.

Chinese Acad Sci, Shanghai Inst Biol Sci, Inst Hlth Sci, Shanghai, Peoples R China.

SJTUSM, Shanghai, Peoples R China.

Fudan Univ, Ctr Computat Syst Biol, Shanghai 200433, Peoples R China.

Shanghai Jiao Tong Univ, Ruijin Hosp, State Key Lab Med Genom, Shanghai 200030, Peoples R China.

Gordon Life Sci Inst, San Diego, CA USA.

Field: BIOLOGY & BIOCHEMISTRY

16 Citations: 142

Title: GLOBAL SYNCHRONIZATION OF COUPLED DELAYED NEURAL NETWORKS AND APPLICATIONS TO CHAOTIC CNN MODELS

Authors: CHEN GR; ZHOU J; LIU ZR

Source: INT J BIFURCATION CHAOS 14 (7): 2229-2240 JUL 2004

Addresses: City Univ Hong Kong, Dept Elect Engr, Hong Kong, Hong Kong, Peoples R China.

Hebei Univ Technol, Dept Appl Math, Tianjin 300130, Peoples R China.

FUDAN UNIV, INST MATH, SHANGHAI 200433, PEOPLES R CHINA.

Shanghai Univ, Dept Math, Shanghai 200436, Peoples R China.

Field: MATHEMATICS

17 Citations: 138

Title: OBSERVATION OF PH-, SOLVENT-, SPIN-, AND EXCITATION-DEPENDENT BLUE PHOTOLUMINESCENCE FROM CARBON NANOPARTICLES

Authors: PAN DY; ZHANG JC; LI Z; WU C; YAN XM; WU MH

Source: CHEM COMMUN 46 (21): 3681-3683 2010

Addresses: Shanghai Univ, Inst Nanochem & Nanobiol, Shanghai 201800, Peoples R China.

Shanghai Univ, Shanghai Appl Radiat Inst, Shanghai 201800, Peoples R China.

Field: CHEMISTRY

18 Citations: 134

Title: GENOME-WIDE ANALYSIS OF BASIC/HELIX-LOOP-HELIX TRANSCRIPTION FACTOR FAMILY IN RICE AND ARABIDOPSIS

Authors: LI XX; DUAN XP; JIANG HX; SUN YJ; TANG YP; YUAN Z; GUO JK; LIANG WQ; CHEN L; YIN JY; MA H; WANG J; ZHANG DB

Source: PLANT PHYSIOL 141 (4): 1167-1184 AUG 2006

Addresses: Shanghai Jiao Tong Univ, Shanghai Inst Biol Sci, Shanghai 200030, Peoples R China.

Penn State Univ, Joint Ctr Life Sci, Key Lab Microbial Metab, Minist Educ, Sch Life Sci, Key Lab Microbial Metab, University Pk, PA 16802 USA.

Shanghai Univ, Sch Life Sci, Shanghai 200444, Peoples R China.

Xiamen Univ, Sch Life Sci, Xiamen 361005, Peoples R China.

Chinese Acad Sci, Shanghai Inst Biol Sci, Inst Plant Physiol & Ecol, Shanghai, Peoples R China.

Penn State Univ, Dept Biol, University Pk, PA 16802 USA.

Penn State Univ, Huck Inst Life Sci, University Pk, PA 16802 USA.

Field: PLANT & ANIMAL SCIENCE

19 Citations: 130

Title: COMPLEX INTERACTIONS OF PILLAR[5]ARENE WITH PARAQUATS AND BIS(PYRIDINIUM) DERIVATIVES

Authors: LI CJ; XU QQ; LI J; YAO FN; JIA XS

Source: ORG BIOMOL CHEM 8 (7): 1568-1576 2010

Addresses: Shanghai Univ, Dept Chem, Shanghai 200444, Peoples R China.

Chinese Acad Sci, Inst Chem, CAS Key Lab Mol Recognit & Funct, Beijing Natl Lab Mol Sci, Beijing 100190, Peoples R China.

Chinese Acad Sci, Shanghai Inst Organ Chem, Key Lab Synthet Chem Nat Subst, Shanghai 200032, Peoples R China.

Field: BIOLOGY & BIOCHEMISTRY

20 Citations: 130

Title: SELF-ASSEMBLY OF [2]PSEUDOROTAXANES BASED ON PILLAR[5]ARENE AND BIS(IMIDAZOLIUM) CATIONS

Authors: LI CJ; ZHAO L; LI JA; DING X; CHEN SH; ZHANG QL; YU YH; JIA XS

Source: CHEM COMMUN 46 (47): 9016-9018 2010

Addresses: Shanghai Univ, Dept Chem, Shanghai 200444, Peoples R China.

E China Normal Univ, Shanghai Key Lab Magnet Resonance, Dept Phys, Shanghai 200062, Peoples R China.

Field: CHEMISTRY

21 Citations: 126

Title: IRIDIUM(III) COMPLEX-COATED NANOSYSTEM FOR RATIO-METRIC UPCONVERSION LUMINESCENCE BIOIMAGING OF CYANIDE ANIONS

Authors: LIU JL; LIU Y; LIU Q; LI CY; SUN LN; LI FY

Source: J AM CHEM SOC 133 (39): 15276-15279 OCT 5 2011

Addresses: Fudan Univ, Dept Chem, Shanghai 200433, Peoples R China.

Shanghai Univ, Res Ctr Nano Sci & Technol, Shanghai 200444, Peoples R China.

Field: CHEMISTRY

22 Citations: 126

Title: STABILITY ANALYSIS OF LINEAR FRACTIONAL DIFFERENTIAL SYSTEM WITH MULTIPLE TIME DELAYS

Authors: DENG WH; LI CP; LU JH

Source: NONLINEAR DYNAMICS 48 (4): 409-416 JUN 2007

Addresses: Shanghai Univ, Dept Math, Shanghai 200444, Peoples R China.

Lanzhou Univ, Sch Math & Stat, Lanzhou 730000, Peoples R China.

Chinese Acad Sci, Acad Math & Syst Sci, Inst Syst Sci, Key Lab Syst & Control, Beijing 100080, Peoples R China.

Field: ENGINEERING

23 Citations: 125

Title: MICROWAVE-ASSISTED SYNTHESIS OF A CO<sub>3</sub>O<sub>4</sub>-GRAPHENE SHEET-ON-SHEET NANOCOMPOSITE AS A SUPERIOR ANODE MATERIAL FOR LI-ION BATTERIES

Authors: CHEN SQ; WANG Y

Source: J MATER CHEM 20 (43): 9735-9739 2010

Addresses: Shanghai Univ, Sch Environm & Chem Engn, Dept Chem Engn, Shanghai 200444, Peoples R China.

Field: MATERIALS SCIENCE

24 Citations: 124

Title: FOLDING/AGGREGATION OF GRAPHENE OXIDE AND ITS APPLICATION IN CU<sup>2+</sup> REMOVAL

Authors: YANG ST; CHANG YL; WANG HF; LIU GB; CHEN S; WANG YW; LIU YF; CAO AN

Source: J COLLOID INTERFACE SCI 351 (1): 122-127 NOV 1 2010

Addresses: Shanghai Univ, Inst Nanochem & Nanobiol, Shanghai 200444, Peoples R China.

Peking Univ, Beijing Natl Lab Mol Sci, Coll Chem & Mol Engn, Beijing 100871, Peoples R China.

Field: CHEMISTRY

25 Citations: 123

Title: NIO NANOSHEETS GROWN ON GRAPHENE NANOSHEETS AS SUPERIOR ANODE MATERIALS FOR LI-ION BATTERIES

Authors: ZOU YQ; WANG Y

Source: NANOSCALE 3 (6): 2615-2620 2011

Addresses: Shanghai Univ, Sch Environm & Chem Engn, Shanghai 200444, Peoples R China.

Field: PHYSICS

26 Citations: 123

Title: BOTTOM-UP FABRICATION OF PHOTOLUMINESCENT GRAPHENE QUANTUM DOTS WITH UNIFORM MORPHOLOGY

Authors: LIU RL; WU DQ; FENG XL; MULLEN K

Source: J AM CHEM SOC 133 (39): 15221-15223 OCT 5 2011

Addresses: Max Planck Inst Polymer Res, D-55128 Mainz, Germany.

Shanghai Univ, Sch Environm & Chem Engn, Shanghai 200444, Peoples R China.

Field: CHEMISTRY

27 Citations: 123

Title: INFERRING GENE REGULATORY NETWORKS FROM MULTIPLE MICROARRAY DATASETS

Authors: WANG Y; JOSHI T; ZHANG XS; XU D; CHEN LN

Source: BIOINFORMATICS 22 (19): 2413-2420 OCT 1 2006

Addresses: Osaka Sangyo Univ, Dept Elect Engn & Elect, Osaka 5748530, Japan.

Chinese Acad Sci, Acad Math & Syst Sci, Beijing 100080, Peoples R China.

Univ Missouri, Dept Comp Sci, Columbia, MO 65211 USA.

Univ Missouri, Christopher S Bond Life Sci Ctr, Columbia, MO 65211 USA.

Shanghai Univ, Inst Syst Biol, Shanghai 200444, Peoples R China.

Field: COMPUTER SCIENCE

28 Citations: 122

Title: STABILITY OF GENETIC NETWORKS WITH SUM REGULATORY LOGIC: LURE SYSTEM AND LMI APPROACH

Authors: LI CG; CHEN LN; AIHARA K

Source: IEEE TRANS CIRCUIT SYST-I 53 (11): 2451-2458 NOV 2006

Addresses: Univ Elect Sci & Technol China, Sch Elect Engn, Ctr Nonlinear & Complex Syst, Chengdu 610054, Peoples R China.

Shanghai Univ, Inst Syst Biol, Shanghai 200444, Peoples R China.

Osaka Sangyo Univ, Osaka 5748530, Japan.

Japan Sci & Technol Agcy, Aihara Complex Modelling Project, ERATO, Tokyo 1510064, Japan.

Univ Tokyo, Inst Ind Sci, Tokyo 1538505, Japan.

Field: ENGINEERING

29 Citations: 115

Title: ANALYSIS AND PREDICTION OF THE METABOLIC STABILITY OF PROTEINS BASED ON THEIR SEQUENTIAL FEATURES, SUBCELLULAR LOCATIONS AND INTERACTION NETWORKS

Authors: HUANG T; SHI XH; WANG P; HE ZS; FENG KY; HU LL; KONG XY; LI YX; CAI YD; CHOU KC

Source: PLOS ONE 5 (6): - JUN 4 2010

Addresses: Chinese Acad Sci, Shanghai Inst Biol Sci, Key Lab Syst Biol, Shanghai, Peoples R China.

Shanghai Ctr Bioinformat Technol, Shanghai, Peoples R China.

Shanghai Univ, Inst Syst Biol, Shanghai, Peoples R China.  
Chinese Acad Sci, Shanghai Inst Biol Sci, Inst Hlth Sci, Shanghai, Peoples R China.  
Shanghai Jiao Tong Univ, Sch Med, Shanghai 200030, Peoples R China.  
Chinese Acad Sci, Shanghai Inst Biol Sci, CAS MPG Partner Inst Computat Biol, Shanghai, Peoples R China.  
Shanghai Jiao Tong Univ, Ruijin Hosp, State Key Lab Med Genom, Shanghai 200030, Peoples R China.  
Fudan Univ, Ctr Computat Syst Biol, Shanghai 200433, Peoples R China.  
Gordon Life Sci Inst, San Diego, CA USA.  
Field: BIOLOGY & BIOCHEMISTRY

30 Citations: 115

Title: SYNCHRONIZATION IN GENERAL COMPLEX DELAYED DYNAMICAL NETWORKS

Authors: ZHOU J; CHEN TP

Source: IEEE TRANS CIRCUIT SYST-I 53 (3): 733-744 MAR 2006

Addresses: Fudan Univ, Inst Math, Minist Educ, Key Lab Math Nonlinear Sci, Shanghai 200433, Peoples R China.

Shanghai Univ, Inst Appl Math & Mech, Shanghai 200072, Peoples R China.

Hebei Univ Technol, Dept Appl Math, Tianjin 300130, Peoples R China.

Fudan Univ, Inst Math, Lab Nonlinear Sci, Shanghai 200433, Peoples R China.

Field: ENGINEERING

31 Citations: 100

Title: SIMULATION STUDY ON THE INFLUENCES OF THE BONDING PARAMETERS ON THE WARPAGE OF CHIP-ON-GLASS MODULE WITH NONCONDUCTIVE FILM

Authors: ZHANG JH; YUAN F; ZHANG JS

Source: J ELECTRON PACKAGING 131 (4): - DEC 2009

Addresses: Shanghai Univ, Minist Educ, Key Lab Adv Display & Syst Applicat, Shanghai 200072, Peoples R China.

Shanghai Univ, Sch Mechatron Engn & Automat, Shanghai 200072, Peoples R China.

Field: ENGINEERING

32 Citations: 98

Title: REMOVAL OF METHYLENE BLUE FROM AQUEOUS SOLUTION BY GRAPHENE OXIDE

Authors: YANG ST; CHEN S; CHANG YL; CAO AN; LIU YF; WANG HF

Source: J COLLOID INTERFACE SCI 359 (1): 24-29 JUL 1 2011

Addresses: Shanghai Univ, Inst Nanochem & Nanobiol, Shanghai 200444, Peoples R China.

Peking Univ, Coll Chem & Mol Engn, Beijing Natl Lab Mol Sci, Beijing 100871, Peoples R China.

Field: CHEMISTRY

33 Citations: 96

Title: FAST OPTIMAL FRICTIONLESS ATOM COOLING IN HARMONIC TRAPS: SHORTCUT TO ADIABATICITY

Authors: CHEN X; RUSCHHAUPT A; SCHMIDT S; DEL CAMPO A; GUERY-ODELIN D; MUGA JG

Source: PHYS REV LETT 104 (6): - FEB 12 2010

Addresses: Univ Basque Country, Dept Quim Fis, Bilbao 48080, Spain.

Shanghai Univ, Dept Phys, Shanghai 200444, Peoples R China.

Leibniz Univ Hannover, Inst Theoret Phys, D-30167 Hannover, Germany.

Univ London Imperial Coll Sci Technol & Med, Blackett Lab, QOLS, London SW7 2BW, England.

Univ Toulouse 3, CNRS, IRSAMC, Lab Collis Agregats React, UMR 5589, F-31062 Toulouse, France.

Field: PHYSICS

34 Citations: 91

Title: A FACILE SYNTHESIS OF ANATASE TiO<sub>2</sub> NANOSHEETS-BASED HIERARCHICAL SPHERES WITH OVER 90% {001} FACETS FOR DYE-SENSITIZED SOLAR CELLS

Authors: YANG WG; LI JM; WANG YL; ZHU F; SHI WM; WAN FR; XU DS

Source: CHEM COMMUN 47 (6): 1809-1811 2011

Addresses: Peking Univ, Beijing Natl Lab Mol Sci, State Key Lab Struct Chem Unstable & Stable Speci, Coll Chem & Mol Engn, Beijing 100871, Peoples R China.

Shanghai Univ, Sch Mat Sci & Engn, Shanghai 200444, Peoples R China.

Univ Sci & Technol Beijing, Dept Mat Phys & Chem, Beijing Key Lab Adv Energy Mat & Technol, Beijing 100085, Peoples R China.

Field: CHEMISTRY

35 Citations: 90

Title: ERROR MINIMIZED EXTREME LEARNING MACHINE WITH GROWTH OF HIDDEN NODES AND INCREMENTAL LEARNING

Authors: FENG GR; HUANG GB; LIN QP; GAY R

Source: IEEE TRANS NEURAL NETWORKS 20 (8): 1352-1357 AUG 2009

Addresses: Shanghai Univ, Sch Commun & Informat Engn, Shanghai 200072, Peoples R China.

Nanyang Technol Univ, Sch Elect & Elect Engn, Singapore 639798, Singapore.

Field: ENGINEERING

36 Citations: 87

Title: SN@CNT NANOSTRUCTURES ROOTED IN GRAPHENE WITH HIGH AND FAST LI-STORAGE CAPACITIES

Authors: ZOU YQ; WANG Y

Source: ACS NANO 5 (10): 8108-8114 OCT 2011

Addresses: Shanghai Univ, Sch Environm & Chem Engn, Dept Chem Engn, Shanghai 200444, Peoples R China.

Field: CHEMISTRY

37 Citations: 83

Title: REMARKS ON FRACTIONAL DERIVATIVES

Authors: LI CP; DENG WH

Source: APPL MATH COMPUT 187 (2): 777-784 APR 15 2007

Addresses: Shanghai Univ, Dept Math, Shanghai 200444, Peoples R China.

Lanzhou Univ, Sch Math & Stat, Lanzhou 730000, Peoples R China.

Field: MATHEMATICS

38 Citations: 80

Title: HIGHLY EFFECTIVE BINDING OF NEUTRAL DINITRILES BY SIMPLE PILLAR[5]ARENES

Authors: SHU XY; CHEN SH; LI J; CHEN ZX; WENG LH; JIA XS; LI CJ

Source: CHEM COMMUN 48 (24): 2967-2969 2012

Addresses: Shanghai Univ, Coll Environm & Chem Engn, Shanghai 200444, Peoples R China.

Shanghai Univ, Dept Chem, Shanghai 200444, Peoples R China.

Fudan Univ, Dept Chem, Shanghai 200433, Peoples R China.

Field: CHEMISTRY

39 Citations: 80

Title: GRAPHENE QUANTUM DOTS-BASED PLATFORM FOR THE FABRICATION OF ELECTROCHEMICAL BIOSENSORS

Authors: ZHAO J; CHEN GF; ZHU L; LI GX

Source: ELECTROCHEM COMMUN 13 (1): 31-33 JAN 2011

Addresses: Shanghai Univ, Sch Life Sci, Lab Biosensing Technol, Shanghai 200444, Peoples R China.

Nanjing Univ, Dept Biochem, Nanjing 210093, Peoples R China.

Nanjing Univ, Natl Key Lab Pharmaceut Biotechnol, Nanjing 210093, Peoples R China.

Field: CHEMISTRY

40 Citations: 79

Title: PREDICTING FUNCTIONS OF PROTEINS IN MOUSE BASED ON WEIGHTED PROTEIN-PROTEIN INTERACTION NETWORK AND PROTEIN HYBRID PROPERTIES

Authors: HU LL; HUANG T; SHI XH; LU WC; CAI YD; CHOU KC

Source: PLOS ONE 6 (1): - JAN 19 2011

Addresses: Shanghai Univ, Inst Syst Biol, Shanghai, Peoples R China.

Shanghai Univ, Dept Chem, Coll Sci, Shanghai, Peoples R China.

Chinese Acad Sci, Shanghai Inst Biol Sci, Key Lab Syst Biol, Shanghai, Peoples R China.

Shanghai Ctr Bioinformat Technol, Shanghai, Peoples R China.

Chinese Acad Sci, Shanghai Inst Biol Sci, Inst Hlth Sci, Shanghai, Peoples R China.

Shanghai Jiao Tong Univ, Sch Med, Shanghai 200030, Peoples R China.

Fudan Univ, Ctr Computat Syst Biol, Shanghai 200433, Peoples R China.

Gordon Life Sci Inst, San Diego, CA USA.

Field: BIOLOGY & BIOCHEMISTRY

41 Citations: 73

Title: CUTTING SP(2) CLUSTERS IN GRAPHENE SHEETS INTO COLLOIDAL GRAPHENE QUANTUM DOTS WITH STRONG GREEN FLUORESCENCE

Authors: PAN DY; GUO L; ZHANG JC; XI C; XUE Q; HUANG H; LI JH; ZHANG ZW; YU

WJ; CHEN ZW; LI Z; WU MH

Source: J MATER CHEM 22 (8): 3314-3318 2012

Addresses: Shanghai Univ, Inst Nanochem & Nanobiol, Shanghai 201800, Peoples R China.

Shanghai Univ, Shanghai Appl Radiat Inst, Shanghai 201800, Peoples R China.

Shanghai Univ, Microstruct Shanghai Univ, Shanghai 201800, Peoples R China.

Field: MATERIALS SCIENCE

42 Citations: 72

Title: BISYMMETRIC AND CENTROSYMMETRIC SOLUTIONS TO SYSTEMS OF REAL QUATERNION MATRIX EQUATIONS

Authors: WANG QW

Source: COMPUT MATH APPL 49 (5-6): 641-650 APR-MAY 2005

Addresses: Shanghai Univ, Dept Math, Shanghai 200444, Peoples R China.

Field: MATHEMATICS

43 Citations: 72

Title: A SYSTEM OF MATRIX EQUATIONS AND A LINEAR MATRIX EQUATION OVER ARBITRARY REGULAR RINGS WITH IDENTITY

Authors: WANG QW

Source: LINEAR ALGEBRA APPL 384: 43-54 JUN 1 2004

Addresses: Shanghai Univ, Dept Math, Shanghai 200436, Peoples R China.

Field: MATHEMATICS

44 Citations: 71

Title: CATALYTIC APPLICATIONS OF LAYERED DOUBLE HYDROXIDES AND DERIVATIVES

Authors: XU ZP; ZHANG J; ADEBAJO MO; ZHANG H; ZHOU CH

Source: APPL CLAY SCI 53 (2): 139-150 SP. ISS. SI AUG 2011

Addresses: Univ Queensland, Australian Inst Bioengn & Nanotechnol, Australian Res Council, Ctr Excellence Funct Nanomat, Brisbane, Qld 4072, Australia.

Shanghai Univ, Sch Environm & Chem Engn, Shanghai 200072, Peoples R China.

Univ Queensland, Australian Inst Bioengn & Nanotechnol, Ctr Computat Mol Sci, Brisbane, Qld 4072, Australia.

Zhejiang Univ Technol, Coll Chem Engn & Mat Sci 6, Res Grp Adv Mat & Sustainable Catalysis, Breeding Base State Key Lab Green Chem Synth Tech, Hangzhou 310032, Zhejiang, Peoples R China.

Field: GEOSCIENCES

45 Citations: 70

Title: CARBON-COATED SNO<sub>2</sub>/GRAPHENE NANOSHEETS AS HIGHLY REVERSIBLE ANODE MATERIALS FOR LITHIUM ION BATTERIES

Authors: ZHANG CF; PENG X; GUO ZP; CAI CB; CHEN ZX; WEXLER D; LI S; LIU HK

Source: CARBON 50 (5): 1897-1903 APR 2012

Addresses: Univ Wollongong, Inst Superconducting & Elect Mat, Wollongong, NSW 2522, Australia.

Univ Wollongong, Sch Mech Mat & Mechatron Engn, Wollongong, NSW 2522, Australia.

Shanghai Univ, Res Ctr Superconductors & Appl Technol, Dept Phys, Shanghai 200444, Peoples R China.

Univ New S Wales, Sch Mat Sci & Engn, Sydney, NSW 2052, Australia.

Field: CHEMISTRY

46 Citations: 68

Title: STABILITY ANALYSIS FOR SOLITONS IN PT-SYMMETRIC OPTICAL LATTICES

Authors: NIXON S; GE LJ; YANG JK

Source: PHYS REV A 85 (2): - FEB 21 2012

Addresses: Univ Vermont, Dept Math & Stat, Burlington, VT 05401 USA.

Shanghai Univ, Dept Phys, Shanghai 200444, Peoples R China.

Field: PHYSICS

47 Citations: 66

Title: OCCURRENCE, DISTRIBUTION AND POSSIBLE SOURCES OF ORGANOCHLORINE PESTICIDES IN AGRICULTURAL SOIL OF SHANGHAI, CHINA

Authors: JIANG YF; WANG XT; JIA Y; WANG F; WU MH; SHENG GY; FU JM

Source: J HAZARD MATER 170 (2-3): 989-997 OCT 30 2009

Addresses: Shanghai Univ, Sch Environm & Chem Engn, Inst Environm Pollut & Hlth, Shanghai 200444, Peoples R China.

Chinese Acad Sci, Guangzhou Inst Geochem, Guangzhou 510640, Guangdong, Peoples R China.

Field: ENGINEERING

48 Citations: 64

Title: RELATIONSHIP BETWEEN COOPERATION NETWORKS AND INNOVATION PERFORMANCE OF SMES

Authors: ZENG SX; XIE XM; TAM CM

Source: TECHNOVATION 30 (3): 181-194 MAR 2010

Addresses: Shanghai Jiao Tong Univ, Antai Sch Management, Shanghai 200052, Peoples R China.

Shanghai Univ, Sch Management, Shanghai 200444, Peoples R China.

City Univ Hong Kong, Coll Sci & Engn, Hong Kong, Hong Kong, Peoples R China.

Field: ENGINEERING

49 Citations: 63

Title: CARBON QUANTUM DOTS FOR OPTICAL BIOIMAGING

Authors: LUO PJG; SAHU S; YANG ST; SONKAR SK; WANG JP; WANG HF; LECROY GE; CAO L; SUN YP

Source: J MATER CHEM B 1 (16): 2116-2127 2013

Addresses: Clemson Univ, Dept Chem, Clemson, SC 29634 USA.

Clemson Univ, Lab Emerging Mat & Technol, Clemson, SC 29634 USA.

Southwest Univ Nationalities, Coll Chem & Environm Protect Engn, Chengdu 610041, Peoples R China.

Shanghai Univ, Inst Nanochem & Nanobiol, Shanghai 200444, Peoples R China.

Field: MATERIALS SCIENCE

50 Citations: 62

Title: RANKS AND THE LEAST-NORM OF THE GENERAL SOLUTION TO A SYSTEM OF QUATERNION MATRIX EQUATIONS

Authors: WANG QW; LI CK

Source: LINEAR ALGEBRA APPL 430 (5-6): 1626-1640 MAR 1 2009

Addresses: Shanghai Univ, Dept Math, Shanghai 200444, Peoples R China.

Field: MATHEMATICS

51 Citations: 58

Title: SUPERCAPACITOR PERFORMANCES OF THERMALLY REDUCED GRAPHENE OXIDE

Authors: ZHAO B; LIU P; JIANG Y; PAN DY; TAO HH; SONG JS; FANG T; XU WW

Source: J POWER SOURCES 198: 423-427 JAN 15 2012

Addresses: Shanghai Univ, Sch Environm & Chem Engn, Shanghai 200444, Peoples R China.

Shanghai Entry Exit Inspect & Quarantine Bur, Shanghai 200135, Peoples R China.

Field: ENGINEERING

52 Citations: 58

Title: IDENTIFICATION OF COLORECTAL CANCER RELATED GENES WITH MRMR AND SHORTEST PATH IN PROTEIN-PROTEIN INTERACTION NETWORK

Authors: LI BQ; HUANG T; LIU L; CAI YD; CHOU KC

Source: PLOS ONE 7 (4): - APR 4 2012

Addresses: Chinese Acad Sci, Key Lab Syst Biol, Shanghai Inst Biol Sci, Shanghai, Peoples R China.

Shanghai Ctr Bioinformat Technol, Shanghai, Peoples R China.

Shanghai Univ, Inst Syst Biol, Shanghai, Peoples R China.

Fudan Univ, Ctr Computat Syst Biol, Shanghai 200433, Peoples R China.

Gordon Life Sci Inst, San Diego, CA USA.

Field: BIOLOGY & BIOCHEMISTRY

53 Citations: 57

Title: SYNTHESIS OF PILLAR[5]ARENE DIMERS AND THEIR COOPERATIVE BINDING TOWARD SOME NEUTRAL GUESTS

Authors: LI CJ; HAN K; LI J; ZHANG HC; MA JW; SHU XY; CHEN ZX; WENG LH; JIA XS

Source: ORG LETT 14 (1): 42-45 JAN 6 2012

Addresses: Shanghai Univ, Dept Chem, Shanghai 200444, Peoples R China.

Tianjin Inst Power Source, Tianjin 300381, Peoples R China.

Fudan Univ, Dept Chem, Shanghai 200433, Peoples R China.

Field: CHEMISTRY

54 Citations: 55

Title: SELF-ASSEMBLY FABRICATION OF 3D FLOWER-LIKE ZNO HIERARCHICAL NANOSTRUCTURES AND THEIR GAS SENSING PROPERTIES

Authors: ZHANG HJ; WU RF; CHEN ZW; LIU G; ZHANG ZN; JIAO Z

Source: CRYSTENGCOMM 14 (5): 1775-1782 2012

Addresses: Shanghai Univ, Sch Environm & Chem Engr, Inst Nanochem & Nanobiol, Shanghai 200444, Peoples R China.

Field: CHEMISTRY

55 Citations: 55

Title: PREDICTING ANATOMICAL THERAPEUTIC CHEMICAL (ATC) CLASSIFICATION OF DRUGS BY INTEGRATING CHEMICAL-CHEMICAL INTERACTIONS AND SIMILARITIES

Authors: CHEN L; ZENG WM; CAI YD; FENG KY; CHOU KC

Source: PLOS ONE 7 (4): - APR 13 2012

Addresses: Shanghai Maritime Univ, Coll Informat Engr, Shanghai, Peoples R China.

Shanghai Univ, Inst Syst Biol, Shanghai, Peoples R China.

Shanghai Ctr Bioinformat Technol, Shanghai, Peoples R China.

Chinese Acad Sci, Shanghai Inst Biol Sci, Key Lab Syst Biol, Shanghai, Peoples R China.

Gordon Life Sci Inst, San Diego, CA USA.

Field: BIOLOGY & BIOCHEMISTRY

56 Citations: 55

Title: SHORT MEMORY PRINCIPLE AND A PREDICTOR-CORRECTOR APPROACH FOR FRACTIONAL DIFFERENTIAL EQUATIONS

Authors: DENG WH

Source: J COMPUT APPL MATH 206 (1): 174-188 SEP 1 2007

Addresses: Lanzhou Univ, Sch Math & Stat, Lanzhou 730000, Peoples R China.

Shanghai Univ, Dept Math, Shanghai 200444, Peoples R China.

Field: MATHEMATICS

57 Citations: 53

Title: ENHANCED CAPACITIVE DEIONIZATION PERFORMANCE OF GRAPHENE/CARBON NANOTUBE COMPOSITES

Authors: ZHANG DS; YAN TT; SHI LY; PENG Z; WEN XR; ZHANG JP

Source: J MATER CHEM 22 (29): 14696-14704 2012

Addresses: Shanghai Univ, Res Ctr Nanosci & Technol, Shanghai 200444, Peoples R China.

Shanghai Univ, Dept Chem, Shanghai 200444, Peoples R China.

Field: MATERIALS SCIENCE

58 Citations: 50

Title: SHORTCUTS TO ADIABATICITY

Authors: TORRONTGUI E; IBANEZ S; MARTINEZ-GARAOT S; MODUGNO M; DEL CAMPO A; GUERY-ODELIN D; RUSCHHAUPT A; CHEN X; MUGA JG

Source: ADV ATOM MOL OPT PHYS 62: 117-169 2013

Addresses: Univ Basque Country, Dept Quim Fis, Euskal Herriko Unibertsitatea, E-48080 Bilbao, Spain.

Univ Basque Country, Dept Fis Teor & Hist Ciencia, Euskal Herriko Unibertsitatea, E-48080 Bilbao, Spain.

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Natl Univ Ireland Univ Coll Cork, Dept Phys, Cork, Ireland.

Shanghai Univ, Dept Phys, Shanghai 200444, Peoples R China.

Field: PHYSICS

59 Citations: 50

Title: MORPHOLOGY DEPENDENCE OF CATALYTIC PROPERTIES OF NI/CEO2 NANOSTRUCTURES FOR CARBON DIOXIDE REFORMING OF METHANE

Authors: DU XJ; ZHANG DS; SHI LY; GAO RH; ZHANG JP

Source: J PHYS CHEM C 116 (18): 10009-10016 MAY 10 2012

Addresses: Shanghai Univ, Dept Chem, Res Ctr Nano Sci & Technol, Shanghai 200444, Peoples R China.

Field: PHYSICS



60 Citations: 50

Title: APIS: ACCURATE PREDICTION OF HOT SPOTS IN PROTEIN INTERFACES BY COMBINING PROTRUSION INDEX WITH SOLVENT ACCESSIBILITY

Authors: XIA JF; ZHAO XM; SONG JN; HUANG DS

Source: BMC BIOINFORMATICS 11: - APR 8 2010

Addresses: Chinese Acad Sci, Hefei Inst Intelligent Machines, Intelligent Comp Lab, Hefei 230031, Anhui, Peoples R China.

Univ Sci & Technol China, Sch Life Sci, Hefei 230027, Anhui, Peoples R China.

Shanghai Univ, Inst Syst Biol, Shanghai 200444, Peoples R China.

Kyoto Univ, Inst Chem Res, Bioinformat Ctr, Kyoto 6110011, Japan.

Monash Univ, Dept Biochem & Mol Biol, Clayton, Vic 3800, Australia.

Field: COMPUTER SCIENCE

61 Citations: 47

Title: NUMERICAL APPROXIMATION OF NONLINEAR FRACTIONAL DIFFERENTIAL EQUATIONS WITH SUBDIFFUSION AND SUPERDIFFUSION

Authors: LI CP; ZHAO ZG; CHEN YQ

Source: COMPUT MATH APPL 62 (3): 855-875 SP. ISS. SI AUG 2011

Addresses: Shanghai Univ, Dept Math, Shanghai 200444, Peoples R China.

Utah State Univ, Dept Elect & Comp Engr, Logan, UT 84322 USA.

Field: MATHEMATICS

62 Citations: 46

Title: DESTRUCTIVE EXTRACTION OF PHOSPHOLIPIDS FROM ESCHERICHIA COLI MEMBRANES BY GRAPHENE NANOSHEETS

Authors: TU YS; LV M; XIU P; HUYNH T; ZHANG M; CASTELLI M; LIU ZR; HUANG Q; FAN CH; FANG HP; ZHOU RH

Source: NAT NANOTECHNOL 8 (8): 594-601 AUG 2013

Addresses: Shanghai Univ, Inst Syst Biol, Shanghai 200444, Peoples R China.

Chinese Acad Sci, Div Interfacial Water, Shanghai 201800, Peoples R China.

Chinese Acad Sci, Shanghai Inst Appl Phys, Key Lab Interfacial Phys & Technol, Shanghai 201800, Peoples R China.

Zhejiang Univ, Dept Engr Mech, Hangzhou 310027, Zhejiang, Peoples R China.

Zhejiang Univ, Soft Matter Res Ctr, Hangzhou 310027, Zhejiang, Peoples R China.

IBM Corp, Thomas J Watson Res Ctr, Yorktown Hts, NY 10598 USA.

Columbia Univ, Dept Chem, New York, NY 10027 USA.

Field: MATERIALS SCIENCE

63 Citations: 46

Title: A SYSTEM OF REAL QUATERNION MATRIX EQUATIONS WITH APPLICATIONS

Authors: WANG QW; VAN DER WOUDE JW; CHANG HX

Source: LINEAR ALGEBRA APPL 431 (12): 2291-2303 DEC 1 2009

Addresses: Shanghai Univ, Dept Math, Shanghai 200444, Peoples R China.

Delft Univ Technol, Fac Elect Engr Math & Comp Sci, NL-2628 CD Delft, Netherlands.

Field: MATHEMATICS

64 Citations: 43

Title: MOLECULAR SELECTIVE BINDING OF BASIC AMINO ACIDS BY A WATER-SOLUBLE PILLAR[5]ARENE

Authors: LI CJ; MA JW; ZHAO L; ZHANG YY; YU YH; SHU XY; LI J; JIA XS

Source: CHEM COMMUN 49 (19): 1924-1926 2013

Addresses: Shanghai Univ, Dept Chem, Shanghai 200444, Peoples R China.

Fudan Univ, State Key Lab Mol Engr Polymers, Shanghai 200433, Peoples R China.

E China Normal Univ, Shanghai Key Lab Magnet Resonance, Dept Phys, Shanghai 200062, Peoples R China.

Field: CHEMISTRY

65 Citations: 37

Title: NUMERICAL ALGORITHM BASED ON ADOMIAN DECOMPOSITION FOR FRACTIONAL DIFFERENTIAL EQUATIONS

Authors: LI CP; WANG YH

Source: COMPUT MATH APPL 57 (10): 1672-1681 MAY 2009

Addresses: Shanghai Univ, Dept Math, Shanghai 200444, Peoples R China.  
Zhejiang Forestry Univ, Dept Appl Math, Hangzhou 311300, Zhejiang, Peoples R China.  
Field: MATHEMATICS

66 Citations: 34

Title: GRAPHENE-WRAPPED COS NANOPARTICLES FOR HIGH-CAPACITY LITHIUM-ION STORAGE

Authors: GU Y; XU Y; WANG Y

Source: ACS APPL MATER INTERFACES 5 (3): 801-806 FEB 13 2013

Addresses: Shanghai Univ, Sch Environm & Chem Engr, Dept Chem Engr, Shanghai 200444, Peoples R China.

Field: MATERIALS SCIENCE

67 Citations: 34

Title: HOPPING TRANSPORT THROUGH DEFECT-INDUCED LOCALIZED STATES IN MOLYBDENUM DISULPHIDE

Authors: QIU H; XU T; WANG ZL; REN W; NAN HY; NI ZH; CHEN Q; YUAN SJ; MIAO F; SONG FQ; LONG G; SHI Y; SUN LT; WANG JL; WANG XR

Source: NAT COMMUN 4: - OCT 2013

Addresses: Nanjing Univ, Sch Elect Sci & Engr, Natl Lab Solid State Microstruct, Natl Ctr Microstruct & Quantum Manipulat, Nanjing 210093, Jiangsu, Peoples R China.

Southeast Univ, Minist Educ, Key Lab MEMS, SEU FEI Nano Pico Ctr, Nanjing 210096, Jiangsu, Peoples R China.

Southeast Univ, Dept Phys, Nanjing 211189, Jiangsu, Peoples R China.

Shanghai Univ, Dept Phys, Shanghai 200444, Peoples R China.

Nanjing Univ, Sch Phys, Nanjing 210093, Jiangsu, Peoples R China.

Field: PHYSICS

68 Citations: 31

Title: PILLAR[5]ARENE-NEUTRAL GUEST RECOGNITION BASED SUPRAMOLECULAR ALTERNATING COPOLYMER CONTAINING [C2] DAISY CHAIN AND BIS-PILLAR[5]ARENE UNITS

Authors: WANG XY; HAN K; LI J; JIA XS; LI CJ

Source: POLYM CHEM 4 (14): 3998-4003 JUL 21 2013

Addresses: Shanghai Univ, Dept Chem, Shanghai 200444, Peoples R China.

Beijing Natl Lab Mol Sci, Beijing, Peoples R China.

Field: CHEMISTRY

69 Citations: 30

Title: IN SITU SUPPORTED MNOX-CEOX ON CARBON NANOTUBES FOR THE LOW-TEMPERATURE SELECTIVE CATALYTIC REDUCTION OF NO WITH NH3

Authors: ZHANG DS; ZHANG L; SHI LY; FANG C; LI HR; GAO RH; HUANG L; ZHANG JP

Source: NANOSCALE 5 (3): 1127-1136 2013

Addresses: Shanghai Univ, Res Ctr Nano Sci & Technol, Shanghai 200444, Peoples R China.

Shanghai Univ, Dept Chem, Shanghai 200444, Peoples R China.

Shanghai Univ, Sch Mat Sci & Engr, Shanghai 200072, Peoples R China.

Field: PHYSICS

70 Citations: 28

Title: VANADIUM OXIDES-REDUCED GRAPHENE OXIDE COMPOSITE FOR LITHIUM-ION BATTERIES AND SUPERCAPACITORS WITH IMPROVED ELECTROCHEMICAL PERFORMANCE

Authors: ZHAO HB; PAN LY; XING SY; LUO J; XU JQ

Source: J POWER SOURCES 22: 21-31 JAN 15 2013

Addresses: Shanghai Univ, Coll Sci, Shanghai 200444, Peoples R China.

Field: ENGINEERING

71 Citations: 27

Title: BIOSAFETY AND BIOAPPLICATION OF NANOMATERIALS BY DESIGNING PROTEIN-NANOPARTICLE INTERACTIONS

Authors: YANG ST; LIU Y; WANG YW; CAO AN

Source: SMALL 9 (9-10): 1635-1653 SP. ISS. SI MAY 27 2013

Addresses: Shanghai Univ, Inst Nanochem & Nanobiol, Shanghai 200444, Peoples R China.

Southwest Univ Nationalities, Coll Chem & Environm Protect Engr, Chengdu 610041, Peoples R China.

Field: MATERIALS SCIENCE

72 Citations: 25

Title: ANTIBIOTIC RESISTANCE GENE ABUNDANCES ASSOCIATED WITH ANTIBIOTICS AND HEAVY METALS IN ANIMAL MANURES AND AGRICULTURAL SOILS ADJACENT TO FEEDLOTS IN SHANGHAI, CHINA

Authors: JI XL; SHEN QH; LIU F; MA J; XU G; WANG YL; WU MH

Source: J HAZARD MATER 235: 178-185 OCT 15 2012

Addresses: Donghua Univ, Sch Environm Sci & Engn, Shanghai 201620, Peoples R China.

Shanghai Univ, Sch Environm & Chem Engn, Shanghai 200444, Peoples R China.

Shanghai Jiao Tong Univ, Instrumental Anal Ctr, Shanghai 200240, Peoples R China.

Field: ENGINEERING

73 Citations: 24

Title: IDENTIFYING DISEASE GENES AND MODULE BIOMARKERS BY DIFFERENTIAL INTERACTIONS

Authors: LIU XP; LIU ZP; ZHAO XM; CHEN LN

Source: J AMER MED INFORM ASSOC 19 (2): 241-248 MAR 2012

Addresses: Shanghai Univ, Inst Syst Biol, Shanghai 200444, Peoples R China.

Shanghai Univ, Sch Commun & Informat Engn, Shanghai 200444, Peoples R China.

Chinese Acad Sci, Shanghai Inst Biol Sci, Key Lab Syst Biol, SIBS Novo Nordisk Translat Res Ctr PreDiabetes, Shanghai, Peoples R China.

Univ Tokyo, Inst Ind Sci, Collaborat Res Ctr Innovat Math Modelling, Tokyo, Japan.

Field: SOCIAL SCIENCES, GENERAL

74 Citations: 24

Title: MICROWAVE HYDROTHERMAL SYNTHESIS OF HIGH PERFORMANCE TIN-GRAPHENE NANOCOMPOSITES FOR LITHIUM ION BATTERIES

Authors: CHEN SQ; WANG Y; AHN H; WANG GX

Source: J POWER SOURCES 216: 22-27 OCT 15 2012

Addresses: Shanghai Univ, Sch Environm & Chem Engn, Shanghai 200444, Peoples R China.

Univ Technol Sydney, Sch Chem & Forens Sci, Ctr Clean Energy Technol, Sydney, NSW 2007, Australia.

Gyeongsang Natl Univ, Sch Mat Sci & Engn, Jinju 660701, Gyeongnam, South Korea.

Field: ENGINEERING

75 Citations: 23

Title: POLYCYCLIC AROMATIC HYDROCARBONS (PAHS) IN URBAN SOILS OF THE MEGACITY SHANGHAI: OCCURRENCE, SOURCE APPORTIONMENT AND POTENTIAL HUMAN HEALTH RISK

Authors: WANG XT; MIAO Y; ZHANG Y; LI YC; WU MH; YU G

Source: SCI TOTAL ENVIR 447: 80-89 MAR 1 2013

Addresses: Shanghai Univ, Sch Environm & Chem Engn, Inst Environm Pollut & Hlth, Shanghai 200444, Peoples R China.

Tsinghua Univ, Sch Environm, Beijing 100084, Peoples R China.

Field: ENVIRONMENT/ECOLOGY

76 Citations: 23

Title: THE CURRENT STATE OF OFFSHORE WIND ENERGY TECHNOLOGY DEVELOPMENT

Authors: SUN XJ; HUANG DG; WU GQ

Source: ENERGY 41 (1): 298-312 MAY 2012

Addresses: Shanghai Univ, Shanghai Inst Appl Math & Mech, Shanghai 200072, Peoples R China.

Shanghai Key Lab Mech Energy & Environm Engn, Shanghai 200072, Peoples R China.

Nantong Univ, Sch Mech Engn, Nantong 226019, Peoples R China.

Field: ENGINEERING

77 Citations: 23

Title: SPECTRAL APPROXIMATIONS TO THE FRACTIONAL INTEGRAL AND DERIVATIVE

Authors: LI CP; ZENG FH; LIU FW

Source: FRACT CALC APPL ANAL 15 (3): 383-406 SEP 2012

Addresses: Shanghai Univ, Dept Math, Shanghai 200444, Peoples R China.

Queensland Univ Technol, Sch Math Sci, Brisbane, Qld 4001, Australia.

Field: MATHEMATICS

78 Citations: 20

Title: AN EFFECTIVE CU SIZE DECISION METHOD FOR HEVC ENCODERS

Authors: SHEN LQ; LIU Z; ZHANG XP; ZHAO WQ; ZHANG ZY

Source: IEEE TRANS MULTIMEDIA 15 (2): 465-470 FEB 2013  
Addresses: Shanghai Univ, Minist Educ, Key Lab Adv Display & Syst Applicat, Shanghai 200072, Peoples R China.  
Shanghai Univ, Sch Commun & Informat Engn, Shanghai 200072, Peoples R China.  
Field: COMPUTER SCIENCE

79 Citations: 17  
Title: FINITE DIFFERENCE METHODS FOR FRACTIONAL DIFFERENTIAL EQUATIONS  
Authors: LI CP; ZENG FH  
Source: INT J BIFURCATION CHAOS 22 (4): - APR 2012  
Addresses: Shanghai Univ, Dept Math, Shanghai 200444, Peoples R China.  
Field: MATHEMATICS

80 Citations: 15  
Title: AN IMPROVED ELEMENT-FREE GALERKIN METHOD FOR NUMERICAL MODELING OF THE BIOLOGICAL POPULATION PROBLEMS  
Authors: ZHANG LW; DENG YJ; LIEW KM  
Source: ENG ANAL BOUND ELEM 40: 181-188 MAR 2014  
Addresses: Shanghai Ocean Univ, Coll Informat Technol, Shanghai 201306, Peoples R China.  
City Univ Hong Kong, Dept Civil & Architectural Engn, Kowloon, Hong Kong, Peoples R China.  
Shanghai Univ, Shanghai Inst Appl Math & Mech, Shanghai 200072, Peoples R China.  
City Univ Hong Kong, Shenzhen, Peoples R China.  
Field: ENGINEERING

81 Citations: 15  
Title: GRAPHENE WRAPPED SNCO NANOPARTICLES FOR HIGH-CAPACITY LITHIUM ION STORAGE  
Authors: CHEN P; GUO L; WANG Y  
Source: J POWER SOURCES 222: 526-532 JAN 15 2013  
Addresses: Shanghai Univ, Sch Environm & Chem Engn, Dept Chem Engn, Shanghai 200444, Peoples R China.  
Field: ENGINEERING

82 Citations: 15  
Title: PINNING ADAPTIVE ANTI-SYNCHRONIZATION BETWEEN TWO GENERAL COMPLEX DYNAMICAL NETWORKS WITH NON-DELAYED AND DELAYED COUPLING  
Authors: WU YQ; LI CP; YANG AL; SONG LJ; WU YJ  
Source: APPL MATH COMPUT 218 (14): 7445-7452 MAR 15 2012  
Addresses: Lanzhou Univ, Sch Math & Stat, Lanzhou 730000, Peoples R China.  
Liaoning Tech Univ, Basic Teaching Dept, Huludao 125105, Peoples R China.  
Shanghai Univ, Dept Math, Shanghai 200444, Peoples R China.  
Field: MATHEMATICS

83 Citations: 13  
Title: A REAL QUATERNION MATRIX EQUATION WITH APPLICATIONS  
Authors: HE ZH; WANG QW  
Source: LINEAR MULTILINEAR ALGEBRA 61 (6): 725-740 JUN 1 2013  
Addresses: Shanghai Univ, Dept Math, Shanghai 200444, Peoples R China.  
Field: MATHEMATICS

84 Citations: 13  
Title: EVENT-TRIGGERED COMMUNICATION AND H-INFINITY CONTROL CO-DESIGN FOR NETWORKED CONTROL SYSTEMS  
Authors: PENG C; YANG TC  
Source: AUTOMATICA 49 (5): 1326-1332 MAY 2013  
Addresses: Shanghai Univ, Sch Mech Engn & Automat, Shanghai 200072, Peoples R China.  
Univ Sussex, Dept Engn & Design, Brighton BN1 9QT, E Sussex, England.  
Field: ENGINEERING

85 Citations: 11  
Title: NARROMI: A NOISE AND REDUNDANCY REDUCTION TECHNIQUE IMPROVES ACCURACY OF GENE REGULATORY NETWORK INFERENCE  
Authors: ZHANG XJ; LIU KQ; LIU ZP; DUVAL B; RICHER JM; ZHAO XM; HAO JK; CHEN LN  
Source: BIOINFORMATICS 29 (1): 106-113 JAN 2013

Addresses: Tongji Univ, Sch Elect & Informat Engr, Dept Comp Sci, Shanghai 201804, Peoples R China.  
Shanghai Univ, Inst Syst Biol, Shanghai 200444, Peoples R China.  
Shanghai Univ, Sch Commun & Informat Engr, Shanghai 200072, Peoples R China.  
Univ Angers, LERIA, F-49045 Angers, France.  
Chinese Acad Sci, Shanghai Inst Biol Sci, SIBS Novo Nordisk Translat Res Ctr PreDiabet, Key Lab Syst Biol, Shanghai 200031, Peoples R China.  
Field: COMPUTER SCIENCE

86 Citations: 11

Title: PREDICTION OF METABOLIC PATHWAY USING GRAPH PROPERTY, CHEMICAL FUNCTIONAL GROUP AND CHEMICAL STRUCTURAL SET  
Authors: CHEN L; ZENG WM; CAI YD; HUANG T  
Source: CURR BIOINFORM 8 (2): 200-207 APR 2013  
Addresses: Shanghai Maritime Univ, Coll Informat Engr, Shanghai 201306, Peoples R China.  
Shanghai Univ, Inst Syst Biol, Shanghai 200444, Peoples R China.  
Fudan Univ, Ctr Computat Syst Biol, Shanghai 200433, Peoples R China.  
Chinese Acad Sci, Shanghai Inst Biol Sci, Key Lab Syst Biol, Shanghai 200031, Peoples R China.  
Shanghai Ctr Bioinformat Technol, Shanghai 200235, Peoples R China.  
Field: COMPUTER SCIENCE

87 Citations: 10

Title: REDUCED GRAPHENE OXIDE WITH ULTRAHIGH CONDUCTIVITY AS CARBON COATING LAYER FOR HIGH PERFORMANCE SULFUR@REDUCED GRAPHENE OXIDE CATHODE  
Authors: ZHAO HB; PENG ZH; WANG WJ; CHEN XK; FANG JH; XU JQ  
Source: J POWER SOURCES 245: 529-536 JAN 1 2014  
Addresses: Shanghai Univ, Coll Sci, Shanghai 200444, Peoples R China.  
Sch Mechatron Engr & Automat, Shanghai 200444, Peoples R China.  
Shanghai Inst Microsyst & Informat Technol, State Key Lab Transducer Technol, Shanghai 200050, Peoples R China.  
Field: ENGINEERING

88 Citations: 10

Title: CYSTEINE MODIFIED RARE-EARTH UP-CONVERTING NANOPARTICLES FOR IN VITRO AND IN VIVO BIOIMAGING  
Authors: WEI ZW; SUN LN; LIU JL; ZHANG JZ; YANG HR; YANG Y; SHI LY  
Source: BIOMATERIALS 35 (1): 387-392 JAN 2014  
Addresses: Shanghai Univ, Res Ctr Nano Sci & Technol, Shanghai 200444, Peoples R China.  
Fudan Univ, Dept Chem, Shanghai 200433, Peoples R China.  
Fudan Univ, Adv Mat Lab, Shanghai 200433, Peoples R China.  
Univ Calif Santa Cruz, Dept Chem & Biochem, Santa Cruz, CA 95064 USA.  
Field: MATERIALS SCIENCE

89 Citations: 9

Title: AN IMPROVED COMPLEX VARIABLE ELEMENT-FREE GALERKIN METHOD FOR TWO-DIMENSIONAL LARGE DEFORMATION ELASTOPLASTICITY PROBLEMS  
Authors: LI DM; LIEW KM; CHENG YM  
Source: COMPUT METHOD APPL MECH ENG 269: 72-86 FEB 1 2014  
Addresses: City Univ Hong Kong, Dept Civil & Architectural Engr, Kowloon, Hong Kong, Peoples R China.  
Shanghai Univ, Shanghai Inst Appl Math & Mech, Shanghai 200072, Peoples R China.  
Field: COMPUTER SCIENCE

90 Citations: 9

Title: QUANTUM ANOMALOUS HALL EFFECT IN GRAPHENE PROXIMITY COUPLED TO AN ANTIFERROMAGNETIC INSULATOR  
Authors: QIAO ZH; REN W; CHEN H; BELLAICHE L; ZHANG ZY; MACDONALD AH; NIU Q  
Source: PHYS REV LETT 112 (11): - MAR 18 2014  
Addresses: Univ Sci & Technol China, Dept Phys, Hefei 230026, Anhui, Peoples R China.  
Univ Sci & Technol China, Hefei Natl Lab Phys Sci Microscale, ICQD, Hefei 230026, Anhui, Peoples R China.  
Univ Texas Austin, Dept Phys, Austin, TX 78712 USA.  
Shanghai Univ, Dept Phys, Shanghai 200444, Peoples R China.  
Univ Arkansas, Dept Phys, Fayetteville, AR 72701 USA.  
Univ Sci & Technol China, Synerget Innovat Ctr Quantum Informat & Quantum P, Hefei 230026, Anhui, Peoples R China.

Peking Univ, Int Ctr Quantum Mat, Beijing 100871, Peoples R China.  
Field: PHYSICS

91 Citations: 9

Title: RHODIUM-CATALYZED DIRECT ORTHO C-N BOND FORMATION OF AROMATIC AZO COMPOUNDS WITH AZIDES

Authors: WANG H; YU Y; HONG XH; TAN QT; XU B

Source: J ORG CHEM 79 (7): 3279-3288 APR 4 2014

Addresses: Shanghai Univ, Innovat Drug Res Ctr, Dept Chem, Shanghai 200444, Peoples R China.

Chinese Acad Sci, Shanghai Inst Organ Chem, State Key Lab Organometall Chem, Shanghai 200032, Peoples R China.

E China Normal Univ, Dept Chem, Shanghai Key Lab Green Chem & Chem Proc, Shanghai 200062, Peoples R China.

Field: CHEMISTRY

92 Citations: 9

Title: THE FINITE DIFFERENCE METHODS FOR FRACTIONAL ORDINARY DIFFERENTIAL EQUATIONS

Authors: LI CP; ZENG FH

Source: NUMER FUNC ANAL OPTIMIZ 34 (2): 149-179 FEB 1 2013

Addresses: Shanghai Univ, Dept Math, Shanghai 200444, Peoples R China.

Field: MATHEMATICS

93 Citations: 8

Title: A HYBRID METHOD FOR PREDICTION AND REPOSITIONING OF DRUG ANATOMICAL THERAPEUTIC CHEMICAL CLASSES

Authors: CHEN L; LU J; ZHANG N; HUANG T; CAI YD

Source: MOL BIOSYST 10 (4): 868-877 2014

Addresses: Shanghai Maritime Univ, Coll Informat Engn, Shanghai 201306, Peoples R China.

Yantai Univ, Sch Pharm, Dept Med Chem, Yantai 264005, Shandong, Peoples R China.

Tianjin Univ, Dept Biomed Engn, Tianjin Key Lab BME Measurement, Tianjin 300072, Peoples R China.

Mt Sinai Sch Med, Dept Genet & Genom Sci, New York, NY 10029 USA.

Shanghai Univ, Inst Syst Biol, Shanghai 200444, Peoples R China.

Field: BIOLOGY & BIOCHEMISTRY

94 Citations: 8

Title: DESIGN OF GRAPHENE-COATED HOLLOW MESOPOROUS CARBON SPHERES AS HIGH PERFORMANCE ELECTRODES FOR CAPACITIVE DEIONIZATION

Authors: WANG H; SHI LY; YAN TT; ZHANG JP; ZHONG QD; ZHANG DS

Source: J MATER CHEM A 2 (13): 4739-4750 2014

Addresses: Shanghai Univ, Sch Mat Sci & Engn, Res Ctr Nano Sci & Technol, Shanghai 200444, Peoples R China.

Field: MATERIALS SCIENCE

95 Citations: 6

Title: ANALYZING THREE-DIMENSIONAL VISCOELASTICITY PROBLEMS VIA THE IMPROVED ELEMENT-FREE GALERKIN (IEFG) METHOD

Authors: PENG MJ; LI RX; CHENG YM

Source: ENG ANAL BOUND ELEM 40: 104-113 MAR 2014

Addresses: Shanghai Univ, Dept Civil Engn, Shanghai 200072, Peoples R China.

Shanghai Univ, Shanghai Inst Appl Math & Mech, Shanghai 200072, Peoples R China.

Field: ENGINEERING

96 Citations: 5

Title: AN EFFICIENT HARMONY SEARCH WITH NEW PITCH ADJUSTMENT FOR DYNAMIC ECONOMIC DISPATCH

Authors: NIU Q; ZHANG HY; LI K; IRWIN GW

Source: ENERGY 65: 25-43 FEB 1 2014

Addresses: Shanghai Univ, Sch Mechatron Engn & Automat, Shanghai Key Lab Power Stn Automat Technol, Shanghai 200072, Peoples R China.

Queens Univ Belfast, Sch Elect Engn & Comp Sci, Belfast BT9 5AH, Antrim, North Ireland.

Field: ENGINEERING