



经检索“Engineering Village 2”，以下论文被《Ei Compendex》收录。（检索时间 2014 年 4 月 15 日）。

<RECORD 1>

Accession number:IP53081890

Title:Wrinkle patterns of Fe films deposited on micro-scale silicone oil droplets

Authors:Yu, Sen-Jiang (1)

Author affiliation:(1) Shanghai Key Laboratory of Special Artificial Microstructure Materials and Technology, School of Physics Science and Engineering, Tongji University, Shanghai 200092, PR China; (2) Department of Physics, China Jiliang University, Hangzhou 310018, PR China

Corresponding author:Yu, S.-J.(sjyu@cjlu.edu.cn)

Source title:Thin Solid Films

Abbreviated source title:Thin Solid Films

Issue date:2014

Publication year:2014

Language:English

ISSN:00406090

CODEN:THSFAP

Document type:Article in Press

Main heading:Drops

Controlled terms:Iron - Silicones

Uncontrolled terms:Direct current magnetron sputtering - Edge effect - Evolution behavior - Geometrical characteristics - Saturation values - Silicone oil - Straight strip - Stress theory

Classification code:443.1 Atmospheric Properties - 545.1 Iron - 816 Plastics and Other Polymers: Processing and Machinery - 817 Plastics and Other Polymers: Products and Applications

DOI:10.1016/j.tsf.2014.03.037

Database:Compendex

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<RECORD 2>

Accession number:20141317511580

Title:Phase transformation and dielectric characteristics in Ba<sub>0.85</sub>Ca<sub>0.15</sub>Ti<sub>1-x</sub>(Mg<sup>1/2</sup>W<sup>1/2</sup>)<sub>x</sub>O<sub>3</sub> ceramics

Authors:Zhang, Jingji (1); Liu, Bei (1); Ji, Ludong (1); Wang, Jiangying (1); Zhai, Jiwei (2)

Author affiliation:(1) College of Materials Science and Engineering, China Jiliang University, Hangzhou 310018, China; (2) Functional Materials Research Laboratory, Tongji University, Shanghai 200092, China

Corresponding author:Wang, J.(wjyliu@163.com)

Source title:Journal of Physics and Chemistry of Solids

Abbreviated source title:J Phys Chem Solids

Volume:75

Issue:6

Issue date:June 2014

Publication year:2014

Pages:782-786

Language:English

ISSN:00223697

CODEN:JPCSAW

Document type:Journal article (JA)

Publisher:Elsevier Ltd

Number of references:27

Main heading:Crystal structure

Controlled terms:Activation energy - Calcium - Ceramic materials - Dielectric properties - Phase

transitions - X ray diffraction

Uncontrolled terms:Defect pairs - Dielectric characteristics - Dielectric measurements - Ferroelectric characteristics - Gradual transformations - High activation energy - Relaxor behaviour - Second phase

Classification code:549.2 Alkaline Earth Metals - 701 Electricity and Magnetism - 801.4 Physical Chemistry - 812.1 Ceramics - 931.3 Atomic and Molecular Physics

DOI:10.1016/j.jpms.2014.01.023

Database:Compendex

Compilation and indexing terms, Copyright 2013 Elsevier Inc.

<RECORD 3>

Accession number:20141317517372

Title:First-order-reversal-curve analysis of exchange-coupled SmCo/NdFeB nanocomposite alloys

Authors:Pan, Mingxiang (1); Zhang, Pengyue (1); Ge, Hongliang (1); Yu, Nengjun (1); Wu, Qiong (1)

Author affiliation:(1) Magnetism Key Laboratory of Zhejiang Province, China Jiliang University, Hangzhou 310018, China

Corresponding author:Zhang, P.(Zhang\_pengyue@cjlu.edu.cn)

Source title:Journal of Magnetism and Magnetic Materials

Abbreviated source title:J Magn Magn Mater

Volume:361

Issue date:June 2014

Publication year:2014

Pages:219-223

Language:English

ISSN:03048853

CODEN:JMMMD C

Document type:Journal article (JA)

Publisher:Elsevier

Number of references:16

Main heading:Iron alloys

Controlled terms:Alloys - Ball milling - Magnetization reversal - Magnets - Nanocomposites

Uncontrolled terms:Exchange-coupled - First-order reversal curves - FORC diagrams - Hybrid magnets - Inter-grain - Nanocomposite alloys - Nanocomposite magnets - Single-phase magnets

Classification code:531.1 Metallurgy - 533.1 Ore Treatment - 545.3 Steel - 704 Electric Components and Equipment - 761 Nanotechnology - 933 Solid State Physics - 933.1 Crystalline Solids

DOI:10.1016/j.jmmm.2014.02.044

Database:Compendex

Compilation and indexing terms, Copyright 2013 Elsevier Inc.

<RECORD 4>

Accession number:20141317517437

Title:A new sonication-assisted ionic liquid-based route to microcrystals of lanthanide fluorides and their photoluminescent properties

Authors:Li, Yinyan (1); Xu, Shiqing (1)

Author affiliation:(1) College of Materials Science and Engineering, China Jiliang University, Hangzhou 310018, China

Corresponding author:Xu, S.(sxucjlu@hotmail.com)

Source title:Journal of Alloys and Compounds

Abbreviated source title:J Alloys Compd

Volume:601

Issue date:July 15, 2014

Publication year:2014

Pages:195-200

Language:English

ISSN:09258388

CODEN:JALCEU

**Document type:**Journal article (JA)  
**Publisher:**Elsevier BV  
**Number of references:**45  
**Main heading:**Ionic liquids  
**Controlled terms:**Fluorine compounds - Microcrystals - Photoluminescence - Rare earth elements - Sonication  
**Uncontrolled terms:**1-Butyl-3-methyl-imidazolium hexafluorophosphate - Agglomeration effects - Biphasic systems - Ethanol solutions - Homogeneous Precipitation - Lanthanide fluorides - Photo-luminescent properties - Photoluminescence properties  
**Classification code:**547.2 Rare Earth Metals - 741.1 Light/Optics - 744 Lasers - 751.1 Acoustic Waves - 761 Nanotechnology - 804 Chemical Products Generally  
**DOI:**10.1016/j.jallcom.2014.02.161  
**Database:**Compendex  
**Compilation and indexing terms, Copyright 2013 Elsevier Inc.**

<RECORD 5>

**Accession number:**20141217495149  
**Title:**Nondestructive discrimination of lead (Pb) in preserved eggs (pidan) by near-infrared spectroscopy and chemometrics  
**Authors:**Xu, Lu (1); Yan, Si-Min (1); Cai, Chen-Bo (2); Yu, Xiao-Ping (1)  
**Author affiliation:**(1) Zhejiang Provincial Key Laboratory of Biometrology and Inspection and Quarantine, College of Life Sciences, China Jiliang University, Hangzhou 310018, China; (2) Department of Chemistry and Life Science, Chuxiong Normal University, Chuxiong 675000, China  
**Corresponding author:**Xu, L.(lxchemo@163.com)  
**Source title:**Journal of Spectroscopy  
**Abbreviated source title:**J. Spectroscopy  
**Volume:**2014  
**Issue date:**2014  
**Publication year:**2014  
**Article number:**253143  
**Language:**English  
**ISSN:**23144920  
**E-ISSN:**23144939  
**Document type:**Journal article (JA)  
**Publisher:**Hindawi Publishing Corporation, 410 Park Avenue, 15th Floor, 287 pmb, New York, NY 10022, United States  
**Number of references:**29  
**Main heading:**Lead  
**Controlled terms:**Inductively coupled plasma mass spectrometry - Infrared devices - Lead oxide - Near infrared spectroscopy - Support vector machines  
**Uncontrolled terms:**Classification performance - Inductively coupled plasma mass spectrometries (ICPMS) - Non-linear least squares - Nondestructive methods - Partial least squares discriminant analyses (PLSDA) - Pre-processing method - Second order derivatives - Sensitivity and specificity  
**Classification code:**546.1 Lead and Alloys - 723 Computer Software, Data Handling and Applications - 741.3 Optical Devices and Systems - 801 Chemistry - 804 Chemical Products Generally  
**DOI:**10.1155/2014/253143  
**Database:**Compendex  
**Compilation and indexing terms, Copyright 2013 Elsevier Inc.**

<RECORD 6>

**Accession number:**IP53081838  
**Title:**Fast-response terahertz wave switch based on T-shaped photonic crystal waveguide  
**Authors:**Li, Jiu-sheng (1)  
**Author affiliation:**(1) Centre for THz Research, China Jiliang University, Hangzhou 310018, China  
**Corresponding author:**Li, J.-s.(forever-li@126.com)  
**Source title:**Optik  
**Abbreviated source title:**Optik

**Issue date:**2014  
**Publication year:**2014  
**Language:**English  
**ISSN:**00304026  
**Document type:**Article in Press  
**Main heading:**Photonic crystals  
**Controlled terms:**Finite difference time domain method - Optical waveguides - Point defects - Pumping (laser) - Refractive index - Terahertz waves  
**Uncontrolled terms:**Continuous Wave - Finite-difference time-domain (FDTD) methods - Functional components - Guided modes - Output energy - Photonic crystal waveguide - Transmission spectrums - Tuning rates  
**Classification code:**711 Electromagnetic Waves - 741.1 Light/Optics - 741.3 Optical Devices and Systems - 744.1 Lasers, General - 921 Mathematics - 933.1 Crystalline Solids - 933.1.1 Crystal Lattice  
**DOI:**10.1016/j.ijleo.2013.12.078  
**Database:**Compendex  
**Compilation and indexing terms, Copyright 2013 Elsevier Inc.**

<RECORD 7>

**Accession number:**20141317504851  
**Title:**Polarization-resolved evanescent wave scattering from gold-coated tilted fiber gratings  
**Authors:**Shen, Changyu (1); Zhou, Wenjun (2); Albert, Jacques (2)  
**Author affiliation:**(1) Institute of Optoelectronic Technology, China Jiliang University, Hangzhou, 310018, China; (2) Department of Electronics, Carleton University, Ottawa, ON, K1S 5B6, Canada  
**Source title:**Optics Express  
**Abbreviated source title:**Opt. Express  
**Volume:**22  
**Issue:**5  
**Issue date:**March 10, 2014  
**Publication year:**2014  
**Pages:**5277-5282  
**Language:**English  
**E-ISSN:**10944087  
**Document type:**Conference article (CA)  
**Publisher:**Optical Society of America  
**Number of references:**11  
**Main heading:**Electromagnetic wave reflection  
**Controlled terms:**Coatings - Fiber Bragg gratings - Gold - Gold coatings - Polarization - Scattering  
**Uncontrolled terms:**Cladding modes - Evanescent wave - Gold-coated - Scattering intensity - Tilted fiber Bragg grating - Tilted fiber gratings - TM polarization  
**Classification code:**547.1 Precious Metals - 711 Electromagnetic Waves - 711.1 Electromagnetic Waves in Different Media - 741.1 Light/Optics - 741.3 Optical Devices and Systems - 813.2 Coating Materials  
**DOI:**10.1364/OE.22.005277  
**Database:**Compendex  
**Compilation and indexing terms, Copyright 2013 Elsevier Inc.**

<RECORD 8>

**Accession number:**20141317509462  
**Title:**Hybrid bulk heterojunction solar cells based on poly (3-hexylthiophene) and Z907-modified ZnO nanorods  
**Authors:**Zhong, Min (1); Sheng, Dan (1); Li, Chanlun (1); Xu, Shiqing (1); Wei, Xiao (2)  
**Author affiliation:**(1) School of Materials Science and Engineering, China Jiliang University, Hangzhou 310018, China; (2) Zhejiang University, Hangzhou 310027, China  
**Corresponding author:**Zhong, M.(zhongmin@cjlu.edu.cn)  
**Source title:**Solar Energy Materials and Solar Cells  
**Abbreviated source title:**Sol Energ Mater Sol Cells  
**Volume:**121

Issue date:2014  
Publication year:2014  
Pages:22-27  
Language:English  
ISSN:09270248  
CODEN:SEMCEQ  
Document type:Journal article (JA)  
Publisher:Elsevier  
Number of references:34  
Main heading:Zinc oxide  
Controlled terms:Binding energy - Carrier mobility - Charge transfer - Composite films - Grafting (chemical) - Heterojunctions - Interfaces (materials) - Nanorods - Solar cells - Spectrometers - Transmission electron microscopy  
Uncontrolled terms:Bulk heterojunction solar cells - Fluorescence spectrometers - Hybrid bulk heterojunctions - Low-temperature hydrothermal methods - P3HT - Power conversion efficiencies - Z907 - ZnO nanorod  
Classification code:615.2 Solar Power - 714.2 Semiconductor Devices and Integrated Circuits - 741.3 Optical Devices and Systems - 761 Nanotechnology - 801.4 Physical Chemistry - 802.2 Chemical Reactions - 804.2 Inorganic Compounds - 933 Solid State Physics - 951 Materials Science  
DOI:10.1016/j.solmat.2013.10.026  
Database:Compendex  
Compilation and indexing terms, Copyright 2013 Elsevier Inc.

<RECORD 9>

Accession number:20141317509536  
Title:Structure of N<sub>2</sub>O monolayer on Ag surface  
Authors:Wu, Taiquan (1); Wang, Xinyan (1); Jiao, Zhiwei (1); Luo, Honglei (1); Zhu, Ping (2)  
Author affiliation:(1) Department of Physics, China Jiliang University, Hangzhou 310018, China; (2) Department of Physics, Zhejiang University, Hangzhou 310027, China  
Corresponding author:Wu, T.(buckyballing@hotmail.com)  
Source title:Vacuum  
Abbreviated source title:Vacuum  
Volume:101  
Issue date:2014  
Publication year:2014  
Pages:399-402  
Language:English  
ISSN:0042207X  
CODEN:VACUAV  
Document type:Journal article (JA)  
Publisher:Elsevier Ltd  
Number of references:24  
Main heading:Silver  
Controlled terms:Adsorption - Monolayers - Nitrogen oxides - Surfaces  
Uncontrolled terms:CASTEP - Chemisorption energy - First principles - First-principle theory - Molecular self assembly - Potential structure - Stable structures - Structural parameter  
Classification code:547.1 Precious Metals - 802.3 Chemical Operations - 804.2 Inorganic Compounds - 813.2 Coating Materials - 931 Classical Physics; Quantum Theory; Relativity - 951 Materials Science  
DOI:10.1016/j.vacuum.2013.10.019  
Database:Compendex  
Compilation and indexing terms, Copyright 2013 Elsevier Inc.

<RECORD 10>

Accession number:IP53077031  
Title:Dielectric properties of Ba<sub>0.5</sub>Sr<sub>0.5</sub>TiO<sub>3</sub>-MgO composites synthesized by a citrate gel in situ process

**Authors:**Ji, Ludong (1); Zhang, Jingji (1); Gao, Yuee (1); Li, Yanli (1); Wang, Jiangying (1)  
**Author affiliation:**(1) College of Materials Science and Engineering, China Jiliang University, Hangzhou 310018, China; (2) Shanghai Key Laboratory of Special Artificial Microstructure Materials and Technology, Tongji University,1239 Siping Road, Shanghai 200092, China  
**Corresponding author:**Zhang, J.(zjztongji@gmail.com)  
**Source title:**Ceramics International  
**Abbreviated source title:**Ceram Int  
**Issue date:**2014  
**Publication year:**2014  
**Language:**English  
**ISSN:**02728842  
**CODEN:**CINNDH  
**Document type:**Article in Press  
**Uncontrolled terms:**Citrate gels - Composite powders - Loss tangent - MgO - TiO - Tunabilities  
**Classification code:**536.1 Powder Metallurgy Operations - 701 Electricity and Magnetism - 741.1 Light/Optics - 801 Chemistry - 804.2 Inorganic Compounds - 931.3 Atomic and Molecular Physics  
**DOI:**10.1016/j.ceramint.2014.03.084  
**Database:**Compendex  
**Compilation and indexing terms, Copyright 2013 Elsevier Inc.**

<RECORD 11>

**Accession number:**IP53066588  
**Title:**Intelligent state machine for social ad hoc data management and reuse  
**Authors:**Yen, Neil Y. (1); Jin, Qun (2); Tsai, Joseph C. (1); Park, James J. (4)  
**Author affiliation:**(1) School of Computer Science and Engineering, University of Aizu, Aizu, Japan; (2) College of Information Engineering, China Jiliang University, 258 Xueyuan Street, Hangzhou, Zhejiang, China; (3) Department of Human Informatics and Cognitive Sciences, Waseda University, Tokyo, Japan; (4) Department of Computer Science and Engineering, Seoul National University of Science and Technology, 172 Gongreung 2-dong, Nowon-gu, Seoul, 139-743, Korea, Republic of  
**Corresponding author:**Jin, Q.(jin@acm.org)  
**Source title:**Multimedia Tools and Applications  
**Abbreviated source title:**Multimedia Tools Appl  
**Issue date:**March 21, 2014  
**Publication year:**2014  
**Language:**English  
**ISSN:**13807501  
**E-ISSN:**15737721  
**CODEN:**MTAPFB  
**Document type:**Article in Press  
**Number of references:**41  
**Main heading:**Social networking (online)  
**Controlled terms:**Information management - Information technology - World Wide Web  
**Uncontrolled terms:**Ad hoc datum - Efficient managements - Facebook - Human support - Intelligent state - Shared contents - Usage scenarios - User-generated  
**Classification code:**723 Computer Software, Data Handling and Applications - 903 Information Science - 903.2 Information Dissemination  
**DOI:**10.1007/s11042-014-1941-2  
**Database:**Compendex  
**Compilation and indexing terms, Copyright 2013 Elsevier Inc.**

<RECORD 12>

**Accession number:**20141317526250  
**Title:**Adjustable magnetoelectric effect of self-assembled vertical multiferroic nanocomposite films by the in-plane misfit strain and ferromagnetic volume fraction  
**Authors:**Wu, Huaping (1); Chai, Guozhong (1); Zhou, Ting (1); Zhang, Zheng (1); Kitamura, Takayuki (2); Zhou, Haomiao (3)  
**Author affiliation:**(1) Key Laboratory of EandM (Zhejiang University of Technology), Ministry of

Education and Zhejiang Province, Hangzhou 310032, China; (2) Department of Mechanical Engineering and Science, Kyoto University, Nishikyo-ku, Kyoto 615-8540, Japan; (3) College of Information Engineering, China Jiliang University, Hangzhou 310018, China

Corresponding author: Wu, H.(wuhuaping@gmail.com)

Source title: Journal of Applied Physics

Abbreviated source title: J Appl Phys

Volume: 115

Issue: 11

Issue date: March 21, 2014

Publication year: 2014

Article number: 114105

Language: English

ISSN: 00218979

E-ISSN: 10897550

CODEN: JAPIAU

Document type: Journal article (JA)

Publisher: American Institute of Physics Inc.

Number of references: 57

Main heading: Nanocomposite films

Controlled terms: Barium compounds - Epitaxial growth - Ferroelectric films - Ferromagnetic materials - Ferromagnetism - Substrates - Volume fraction

Uncontrolled terms: Different substrates - Epitaxially grown - Ferromagnetic phase - ME voltage coefficients - Nonlinear thermodynamics - Phase-transition boundary - Room temperature - Substrate clamping

Classification code: 641.1 Thermodynamics - 708.1 Dielectric Materials - 708.4 Magnetic Materials - 712.1 Semiconducting Materials - 804.1 Organic Compounds

DOI: 10.1063/1.4868896

Database: Compendex

Compilation and indexing terms, Copyright 2013 Elsevier Inc.

<RECORD 13>

Accession number: 20141317516335

Title:  $\text{Eu}^{2+}$  &  $\text{Mn}^{2+}$  co-activated  $\text{Sr}_3\text{Si}_6\text{O}_{13}\text{N}_8$  green emitting phosphors with enhanced fluorescence emission

Authors: Jin, Zhouwei (1); Wu, Yuyu (1); Wu, Zhen (1); Deng, Degang (1); Xu, Shiyun (1); Tong, Shaojia (1); Zhao, Qing'er (1); Zhou, Beinger (1); Shao, Zhimeng (1); Ren, Yingbao (1); Yu, Hua (2); Xu, Shiqing (1)

Author affiliation: (1) College of Materials Science and Engineering, China Jiliang University, Hangzhou 310018, China; (2) College of Materials and Environmental Engineering, Hangzhou Dianzi University, Hangzhou 310018, China

Corresponding author: Deng, D.(dengdegang@cjlu.edu.cn)

Source title: Optics Communications

Abbreviated source title: Opt Commun

Volume: 322

Issue date: July 1, 2014

Publication year: 2014

Pages: 224-226

Language: English

ISSN: 00304018

CODEN: OPCOB8

Document type: Journal article (JA)

Publisher: Elsevier

Number of references: 26

Main heading: Manganese

Controlled terms: Energy transfer - Light - Light emitting diodes - Luminescence - Phosphors - Silicon - Solid state reactions

Uncontrolled terms: Blue LED chips - Co-doping - Energy transfer mechanisms - Enhanced

fluorescence emission - Green-emitting phosphors - Luminescence intensity - Multipole effects - UV-visible

Classification code:543.2 Manganese and Alloys - 641.2 Heat Transfer - 712.1.1 Single Element Semiconducting Materials - 741.1 Light/Optics - 802.2 Chemical Reactions

DOI:10.1016/j.optcom.2014.01.074

Database:Compendex

Compilation and indexing terms, Copyright 2013 Elsevier Inc.

<RECORD 14>

Accession number:20141417536191

Title:Photoluminescence of n-type GaN film in an argon plasma

Authors:Chen, Miao-Gen (1); Nakamura, Keiji (2); Nakano, Yoshitaka (2); Qiu, Yan-Qing (1); Jiao, Zhi-Wei (1)

Author affiliation:(1) Department of Physics, China Jiliang University, 258 Xueyuan Street, Hangzhou 310-018, China; (2) College of Engineering, Chubu University, 1200 Matsumoto, Kasugai 487-8501, Japan

Corresponding author:Chen, M.-G.(phycmg@cjlu.edu.cn)

Source title:Philosophical Magazine Letters

Abbreviated source title:Philos Mag Lett

Volume:94

Issue:3

Issue date:March 4, 2014

Publication year:2014

Pages:182-187

Language:English

ISSN:09500839

E-ISSN:13623036

CODEN:PMLEEG

Document type:Journal article (JA)

Publisher:Taylor and Francis Ltd.

Number of references:14

Main heading:Gallium nitride

Controlled terms:Argon - Photoluminescence - Plasmas

Uncontrolled terms:Argon plasmas - GaN film - In-situ measurement - Increasing temperatures - n-Type GaN - Near band edge - Yellow luminescence

Classification code:741.1 Light/Optics - 804 Chemical Products Generally - 804.2 Inorganic Compounds - 932.3 Plasma Physics

DOI:10.1080/09500839.2014.885128

Database:Compendex

Compilation and indexing terms, Copyright 2013 Elsevier Inc.

<RECORD 15>

Accession number:20141317528842

Title:Reduction of heavy metals in residues from the dismantling of waste electrical and electronic equipment before incineration

Authors:Long, Yu-Yang (1); Feng, Yi-Jian (1); Cai, Si-Shi (1); Hu, Li-Fang (2); Shen, Dong-Sheng (1)

Author affiliation:(1) Zhejiang Provincial Key Laboratory of Solid Waste Treatment and Recycling, School of Environmental Science and Engineering, Zhejiang Gongshang University, Hangzhou 310012, China; (2) College of Quality and Safety Engineering, China Jiliang University, Hangzhou 310018, China

Corresponding author:Shen, D.-S.(shends@zju.edu.cn)

Source title:Journal of Hazardous Materials

Abbreviated source title:J. Hazard. Mater.

Volume:272

Issue date:May 15, 2014

Publication year:2014



Pages:59-65  
Language:English  
ISSN:03043894  
E-ISSN:18733336  
CODEN:JHMAD9  
Document type:Journal article (JA)  
Publisher:Elsevier  
Number of references:29  
Main heading:Waste incineration  
Controlled terms:Heavy metals - Incineration - Lead - Nickel - Reduction - Washing - Waste disposal - Zinc  
Uncontrolled terms:Heavy metal contents - Input and outputs - Metal recycling - Pre-Treatment - Removal efficiencies - Residues - Waste electrical and electronic equipment - WEEE  
Classification code:452 Municipal and Industrial Wastes; Waste Treatment and Disposal - 452.4 Industrial Wastes Treatment and Disposal - 531 Metallurgy and Metallography - 546.1 Lead and Alloys - 546.3 Zinc and Alloys - 548.1 Nickel - 802.2 Chemical Reactions - 802.3 Chemical Operations  
DOI:10.1016/j.jhazmat.2014.02.048  
Database:Compendex  
Compilation and indexing terms, Copyright 2013 Elsevier Inc.

<RECORD 16>

Accession number:IP53064069  
Title:Curvature sensor based on a pressure-induced birefringence single mode fiber loop mirror  
Authors:An, Jiali (1); Sun, Mingming (1); Liang, Houhui (1); Jin, Yongxing (1)  
Author affiliation:(1) Institute of Optoelectronic Technology, China Jiliang University, Xueyuan Street, Hangzhou 310018, China  
Corresponding author:An, J.(ajlcdr@163.com)  
Source title:Optik  
Abbreviated source title:Optik  
Issue date:2014  
Publication year:2014  
Language:English  
ISSN:00304026  
Document type:Article in Press  
Main heading:Optical resonators  
Controlled terms:Birefringence - Fiber optic sensors - Photonic crystal fibers - Sensors - Single mode fibers  
Uncontrolled terms:Curvature measurement - Curvature sensing - Curvature sensor - Pressure-induced birefringences - Sensing elements - Single-mode fiber loop - Transverse force  
Classification code:741 Light, Optics and Optical Devices - 801 Chemistry  
DOI:10.1016/j.ijleo.2013.12.053  
Database:Compendex  
Compilation and indexing terms, Copyright 2013 Elsevier Inc.

<RECORD 17>

Accession number:20141317512612  
Title:Research on the measurement uncertainty evaluation method of infinitesimal sample in calibration and testing  
Authors:Song, Mingshun (1); Fang, Xinghua (1); Huang, Jia (1); Zhang, Junliang (1)  
Author affiliation:(1) College of Economic and Management, China Jiliang University, Hangzhou 310018, China  
Corresponding author:Song, M.(mingshunsong@163.com)  
Source title:Yi Qi Yi Biao Xue Bao/Chinese Journal of Scientific Instrument  
Abbreviated source title:Yi Qi Yi Biao Xue Bao  
Volume:35  
Issue:2  
Issue date:February 2014

**Publication year:**2014  
**Pages:**419-426  
**Language:**Chinese  
**ISSN:**02543087  
**CODEN:**YYXUDY  
**Document type:**Journal article (JA)  
**Publisher:**Science Press  
**Number of references:**13  
**Main heading:**Uncertainty analysis  
**Controlled terms:**Bayesian networks - Calibration - Data reduction - Decision theory  
**Uncontrolled terms:**Bayesian methods - Bayesian theory - Effective measuring - GUM - Measurement uncertainty - Measuring data - Prior information - Type methods  
**Classification code:**723.2 Data Processing and Image Processing - 921 Mathematics - 921.4 Combinatorial Mathematics, Includes Graph Theory, Set Theory - 922.1 Probability Theory - 941 Acoustical and Optical Measuring Instruments - 942 Electric and Electronic Measuring Instruments - 943 Mechanical and Miscellaneous Measuring Instruments - 944 Moisture, Pressure and Temperature, and Radiation Measuring Instruments - 961 Systems Science  
**Database:**Compendex  
**Compilation and indexing terms,** Copyright 2013 Elsevier Inc.

<RECORD 18>

**Accession number:**20141317517280  
**Title:**Optical spectroscopic studies on GdF<sub>3</sub>:Tb<sup>3+</sup>,Yb<sup>3+</sup> nanocrystals  
**Authors:**Guo, Yuanyuan (1); Cui, Zhiguang (1); Jia, Guohua (1); Zhao, Shilong (1); Wang, Huanping (1); Deng, Degang (1); Huang, Lihui (1); Xu, Shiqing (1)  
**Author affiliation:**(1) College of Materials Science and Engineering, China Jiliang University, Hangzhou 310018, China  
**Corresponding author:**Jia, G.(ghjia@hotmail.com)  
**Source title:**Journal of Luminescence  
**Abbreviated source title:**J Lumin  
**Volume:**151  
**Issue date:**July 2014  
**Publication year:**2014  
**Pages:**201-205  
**Language:**English  
**ISSN:**00222313  
**CODEN:**JLUMA8  
**Document type:**Journal article (JA)  
**Publisher:**Elsevier  
**Number of references:**19  
**Main heading:**Ytterbium  
**Controlled terms:**Energy transfer - Metal ions - Nanocrystals - Optical properties - Optoelectronic devices - Photoluminescence - Spectroscopic analysis  
**Uncontrolled terms:**Concentration quenching effect - Diffuse reflectance spectrum - Efficient energy transfer - Optical spectroscopic properties - Optical spectroscopic studies - Photoluminescence emission - Photoluminescence lifetime  
**Classification code:**533 Ore Treatment and Metal Refining - 547.2 Rare Earth Metals - 641.2 Heat Transfer - 741.1 Light/Optics - 741.3 Optical Devices and Systems - 761 Nanotechnology - 801 Chemistry  
**DOI:**10.1016/j.jlumin.2014.02.023  
**Database:**Compendex  
**Compilation and indexing terms,** Copyright 2013 Elsevier Inc.

<RECORD 19>

**Accession number:**20141317527164  
**Title:**Broadband antireflection enhancement by triangular grating microstructure in the resonance

domain

Authors:Chen, Lianna (1); Jing, Xufeng (2); Wang, Le (2); Zhang, Junchao (3); Jin, Shangzhong (2); Tian, Ying (4)

Author affiliation:(1) College of Information Engineering, China Jiliang University, Hangzhou 310018, China; (2) Institute of Optoelectronic Technology, China Jiliang University, Hangzhou 310018, China; (3) Optic and Laser Division, National Institute of Metrology, Beijing 100013, China; (4) College of Materials Science and Engineering, China Jiliang University, Hangzhou 310018, China  
Corresponding author:Jing, X.(jingxufeng@cjlu.edu.cn)

Source title:Optics and Laser Technology

Abbreviated source title:Opt Laser Technol

Volume:62

Issue date:October 2014

Publication year:2014

Pages:95-108

Language:English

ISSN:00303992

CODEN:OLTCAS

Document type:Journal article (JA)

Publisher:Elsevier Ltd

Number of references:26

Main heading:Diffraction gratings

Controlled terms:Aspect ratio - Diffraction patterns - Electric fields - Interferometry - Polarization - Resonance

Uncontrolled terms:Antireflective characteristics - Broadband and wide angle - Broadband anti reflections - Electric field distributions - Polarized illumination - Resonance domains - Triangular gratings - Vector diffraction theory

Classification code:701 Electricity and Magnetism - 701.1 Electricity: Basic Concepts and Phenomena - 711 Electromagnetic Waves - 741.3 Optical Devices and Systems - 941.4 Optical Variables Measurements - 943 Mechanical and Miscellaneous Measuring Instruments

DOI:10.1016/j.optlastec.2013.12.026

Database:Compendex

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<RECORD 20>

Accession number:20141317504968

Title:Electrochemical properties and structure of  $\text{LiFePO}_4/\text{C}$  with Co-Doping in Fe-site and Li-Site

Authors:Tian, Guanglei (1); Lv, Chunju (1); Fan, Meiqiang (1); Shu, Kangying (1)

Author affiliation:(1) College of Material Science and Engineering, China Jiliang University, Hangzhou 310018, Zhejiang, China

Corresponding author:Tian, G.(tianguanglei@gmail.com)

Source title:Journal of New Materials for Electrochemical Systems

Abbreviated source title:J. New Mater. Electrochem. Syst.

Volume:16

Issue:4

Issue date:2013

Publication year:2013

Pages:269-272

Language:English

ISSN:14802422

Document type:Journal article (JA)

Publisher:Ecole Polytechnique de Montreal

Number of references:16

Main heading:Lithium compounds

Controlled terms:Iron compounds - Lithium - Lithium alloys - Manganese - Microstructure - Solid state reactions

Uncontrolled terms:Capacity fading - Co-doping - Electrochemical performance - Electronic and ionic conductivity - High rate -  $\text{LiFePO}_4$  -  $\text{LiFePO}_4$  - X-ray techniques

Classification code:543.2 Manganese and Alloys - 549.1 Alkali Metals - 802.2 Chemical Reactions - 804.1 Organic Compounds - 933 Solid State Physics - 951 Materials Science  
Database:Compendex  
Compilation and indexing terms, Copyright 2013 Elsevier Inc.

<RECORD 21>

Accession number:20141317504969

Title:Synthesis of medium-temperature protonic conductor CsHSO<sub>4</sub>-Al<sub>2</sub>O<sub>3</sub>

Authors:Yang, L.B. (1); Ning, W.S. (2); Wang, X.D. (1); Liu, W. (1); Shen, H.Y. (1); Huang, Y.X. (1); Shu, K.Y. (1)

Author affiliation:(1) College of Materials Science and Engineering, China Jiliang University, Hangzhou 310018, China; (2) State Key Laboratory Breeding Base of Green Chemistry-Synthesis Technology, Zhejiang University of Technology, Hangzhou 310032, China

Corresponding author:Shen, H.Y.(shenhangyan@cjlu.edu.cn)

Source title:Journal of New Materials for Electrochemical Systems

Abbreviated source title:J. New Mater. Electrochem. Syst.

Volume:16

Issue:4

Issue date:2013

Publication year:2013

Pages:273-278

Language:English

ISSN:14802422

Document type:Journal article (JA)

Publisher:Ecole Polytechnique de Montreal

Number of references:19

Main heading:Aluminum

Controlled terms:Ball milling - Composite materials - Differential scanning calorimetry - Gas adsorption - Proton conductivity - Scanning electron microscopy - Thermogravimetric analysis - X ray diffraction

Uncontrolled terms:Medium temperature - Nitrogen adsorption-desorption - Optimum method - Proton carriers - Protonic conductors - Rotating speed - Structures and properties - Temperature increase

Classification code:415 Metals, Plastics, Wood and Other Structural Materials - 533.1 Ore Treatment - 541.1 Aluminum - 702.2 Fuel Cells - 741.1 Light/Optics - 801 Chemistry - 811 Cellulose, Paper and Wood Products - 931.2 Physical Properties of Gases, Liquids and Solids - 931.3 Atomic and Molecular Physics - 951 Materials Science

Database:Compendex

Compilation and indexing terms, Copyright 2013 Elsevier Inc.

<RECORD 22>

Accession number:20141317501220

Title:Characteristics of chiral and racemic ketoprofen drugs using terahertz time-domain spectroscopy

Authors:Du, Yong (1); Liu, Jianjun (1); Hong, Zhi (1)

Author affiliation:(1) Centre for THz Research, China Jiliang University, Hangzhou 310018, China

Corresponding author:Du, Y.(yongdu@cjlu.edu.cn)

Source title:Proceedings of SPIE - The International Society for Optical Engineering

Abbreviated source title:Proc SPIE Int Soc Opt Eng

Volume:8909

Monograph title:International Symposium on Photoelectronic Detection and Imaging 2013: Terahertz Technologies and Applications

Issue date:2013

Publication year:2013

Article number:89090M

Language:English

ISSN:0277786X  
E-ISSN:1996756X  
CODEN:PSISDG  
ISBN-13:9780819497789  
Document type:Conference article (CA)  
Conference name:5th International Symposium on Photoelectronic Detection and Imaging, ISPDI 2013  
Conference date:June 25, 2013 - June 27, 2013  
Conference location:Beijing, China  
Conference code:100012  
Sponsor:Chinese Society of Astronautics; European Optical Society; The Optical Society; The Society of Photo-Optical Instrumentation Engineers (SPIE)  
Publisher:SPIE  
Number of references:13  
Main heading:Time domain analysis  
Controlled terms:Laser pulses - Molecules - Spectroscopic analysis - Stereochemistry  
Uncontrolled terms:chiral - Intramolecular and intermolecular interactions - ketoprifen - Pharmaceutical drugs - racemic - Time-domain terahertz spectroscopy  
Classification code:744.1 Lasers, General - 801 Chemistry - 921 Mathematics - 931.3 Atomic and Molecular Physics  
DOI:10.1117/12.2033147  
Database:Compendex  
Compilation and indexing terms, Copyright 2013 Elsevier Inc.

<RECORD 23>

Accession number:20141317516499  
Title:Numerical investigation of tapered optical fiber sensor based on multimode interference  
Authors:Tan, Yaocheng (1); Lou, Jun (1); Xu, Hongzhi (1); Huang, Jie (1); Shen, Weimin (1)  
Author affiliation:(1) College of Optical and Electronic Technology, China Jiliang University, 258 Xueyuan Road, Hangzhou, Zhejiang, 310018, China  
Corresponding author:Lou, J.(loujun@cjlu.edu.cn)  
Source title:Proceedings of SPIE - The International Society for Optical Engineering  
Abbreviated source title:Proc SPIE Int Soc Opt Eng  
Volume:8914  
Monograph title:International Symposium on Photoelectronic Detection and Imaging 2013: Fiber Optic Sensors and Optical Coherence Tomography  
Issue date:2013  
Publication year:2013  
Article number:891407  
Language:English  
ISSN:0277786X  
E-ISSN:1996756X  
CODEN:PSISDG  
ISBN-13:9780819497833  
Document type:Conference article (CA)  
Conference name:5th International Symposium on Photoelectronic Detection and Imaging, ISPDI 2013  
Conference date:June 25, 2013 - June 27, 2013  
Conference location:Beijing, China  
Conference code:100012  
Sponsor:European Optical Society; European Optical Society; The Optical Society; The Society of Photo-Optical Instrumentation Engineers (SPIE)  
Publisher:SPIE  
Number of references:8  
Main heading:Light propagation  
Controlled terms:Optical fibers - Optical tomography - Refractive index  
Uncontrolled terms:Graphical environments - Multi-mode interference - Propagation simulation - RSOF BeamPROP - Tapered optical fiber sensors

Classification code:741 Light, Optics and Optical Devices  
DOI:10.1117/12.2031947  
Database:Compendex  
Compilation and indexing terms, Copyright 2013 Elsevier Inc.

<RECORD 24>

Accession number:20141317501123  
Title:Research on receiving performance of receiver antenna array in free space optical communication system  
Authors:Wang, Yi (1); Zhang, Qiu-Li (1); Ma, Jing (2); Tan, Liying (2)  
Author affiliation:(1) College of Information Engineering, China JiLiang University, Hangzhou, 310018, China; (2) School of Astronautics, Harbin Institute of Technology, Harbin, 150001, China  
Source title:Proceedings of SPIE - The International Society for Optical Engineering  
Abbreviated source title:Proc SPIE Int Soc Opt Eng  
Volume:8906  
Monograph title:International Symposium on Photoelectronic Detection and Imaging 2013: Laser Communication Technologies and Systems  
Issue date:2013  
Publication year:2013  
Article number:89060C  
Language:English  
ISSN:0277786X  
E-ISSN:1996756X  
CODEN:PSISDG  
ISBN-13:9780819497758  
Document type:Conference article (CA)  
Conference name:5th International Symposium on Photoelectronic Detection and Imaging, ISPDI 2013  
Conference date:June 25, 2013 - June 27, 2013  
Conference location:Beijing, China  
Conference code:100012  
Sponsor:Chinese Society of Astronautics; European Optical Society; The Optical Society; The Society of Photo-Optical Instrumentation Engineers (SPIE)  
Publisher:SPIE  
Number of references:8  
Main heading:Antenna arrays  
Controlled terms:Atmospheric thermodynamics - Atmospheric turbulence - Communication systems - Efficiency - Electromagnetic waves - Optical communication - Receiving antennas - Refractive index  
Uncontrolled terms:Antenna gains - Aperture diameter - Coupling efficiency - Electromagnetic wave radiations - Free Space Optical communication - Free space optical communication systems - Large aperture antenna - Refractive index fluctuations  
Classification code:443.1 Atmospheric Properties - 711 Electromagnetic Waves - 716 Telecommunication; Radar, Radio and Television - 717.1 Optical Communication Systems - 741.1 Light/Optics - 913.1 Production Engineering  
DOI:10.1117/12.2032061  
Database:Compendex  
Compilation and indexing terms, Copyright 2013 Elsevier Inc.

<RECORD 25>

Accession number:20141317501216  
Title:A high Q terahertz one-dimensional photonic crystal cavity and its applications  
Authors:Chen, Tao (1); Liu, Pingan (1); Liu, Jianjun (1); Hong, Zhi (1)  
Author affiliation:(1) Centre for THz Research, China Jiliang University, Hangzhou, 310018, China  
Corresponding author:Hong, Z.(hongzhi@cjl.u.edu.cn)  
Source title:Proceedings of SPIE - The International Society for Optical Engineering  
Abbreviated source title:Proc SPIE Int Soc Opt Eng

Volume:8909

Monograph title:International Symposium on Photoelectronic Detection and Imaging 2013: Terahertz Technologies and Applications

Issue date:2013

Publication year:2013

Article number:89090H

Language:English

ISSN:0277786X

E-ISSN:1996756X

CODEN:PSISDG

ISBN-13:9780819497789

Document type:Conference article (CA)

Conference name:5th International Symposium on Photoelectronic Detection and Imaging, ISPDI 2013

Conference date:June 25, 2013 - June 27, 2013

Conference location:Beijing, China

Conference code:100012

Sponsor:Chinese Society of Astronautics; European Optical Society; The Optical Society; The Society of Photo-Optical Instrumentation Engineers (SPIE)

Publisher:SPIE

Number of references:10

Main heading:Photonic crystals

Controlled terms:Carbon dioxide - Chemical detection - Defects - Gas detectors - Natural frequencies - Silicon - Silicon wafers

Uncontrolled terms:Distributed bragg mirrors - Gas sensing - High Q - One dimensional photonic crystal - Photonic crystal cavities - Refractive index changes - Terahertz switches - Transmission bandwidth

Classification code:423 Non Mechanical Properties and Tests of Building Materials - 711.1 Electromagnetic Waves in Different Media - 712.1.1 Single Element Semiconducting Materials - 801 Chemistry - 804.2 Inorganic Compounds - 933.1 Crystalline Solids - 951 Materials Science

DOI:10.1117/12.2033031

Database:Compendex

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<RECORD 26>

Accession number:20141317500535

Title:Rao-blackwellised particle filter SLAM with consistent mapping for AUVs

Authors:He, Bo (1); Jiang, Xiaoyan (1); Nian, Rui (1); Yan, Tianhong (2)

Author affiliation:(1) Department of Electronic Engineering, Ocean University of China, China; (2) Department of Mechanical and Electrical Engineering, China Jiliang University, Hangzhou, China

Source title:OCEANS 2013 MTS/IEEE - San Diego: An Ocean in Common

Abbreviated source title:OCEANS MTS/IEEE - San Diego: Ocean Common

Monograph title:OCEANS 2013 MTS/IEEE - San Diego: An Ocean in Common

Issue date:2013

Publication year:2013

Article number:6741252

Language:English

Document type:Conference article (CA)

Conference name:OCEANS 2013 MTS/IEEE San Diego Conference: An Ocean in Common

Conference date:September 23, 2013 - September 26, 2013

Conference location:San Diego, CA, United states

Conference code:103176

Publisher:IEEE Computer Society

Number of references:8

Main heading:Monte Carlo methods

Controlled terms:Algorithms - Estimation - Oceanography

Uncontrolled terms:Consistency problems - Dynamic state estimation - Estimation errors - Particle filter - Particle filter algorithms - Rao-Blackwellized particle filters - Rao-blackwellized particle filter

- Sea trial

Classification code:471.1 Oceanography, General - 921 Mathematics - 922.2 Mathematical Statistics

Database:Compendex

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<RECORD 27>

Accession number:20141317500539

Title:SLAM and a novel loop closure detection for autonomous underwater vehicles

Authors:Zhang, Shujing (1); He, Bo (1); Nian, Rui (1); Liang, Yan (1); Yan, Tianhong (2)

Author affiliation:(1) Department of Electronics Engineering, Ocean University of China, Qingdao, China; (2) Department of Mechanical and Electrical Engineering, China Jiliang University, Hangzhou, China

Corresponding author:He, B.(bhe@ouc.edu.cn)

Source title:OCEANS 2013 MTS/IEEE - San Diego: An Ocean in Common

Abbreviated source title:OCEANS MTS/IEEE - San Diego: Ocean Common

Monograph title:OCEANS 2013 MTS/IEEE - San Diego: An Ocean in Common

Issue date:2013

Publication year:2013

Article number:6741257

Language:English

Document type:Conference article (CA)

Conference name:OCEANS 2013 MTS/IEEE San Diego Conference: An Ocean in Common

Conference date:September 23, 2013 - September 26, 2013

Conference location:San Diego, CA, United states

Conference code:103176

Publisher:IEEE Computer Society

Number of references:16

Main heading:Autonomous underwater vehicles

Controlled terms:Oceanography

Uncontrolled terms:AUV - Closed loops - Closed-loop detections - Localization and mappings - Real world environments - SLAM - Underwater environments - Vehicle trajectories

Classification code:471.1 Oceanography, General - 471.2 Oceanographic Research Instruments

Database:Compendex

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