Engineering Village

经检索“Engineering Village 2”， 以下论文被《Ei Compendex》收录。（检索时间 2014 年 5 月 27 日）。

<RECORD 1>

Accession number:20141917693580
Title:1.53 μm emission properties in Er³⁺ doped Y<inf>2</inf>O <inf>3</inf> and Nb<inf>2</inf>O<inf>5</inf> modified germanate glasses for an optical amplifier
Authors:Wei, Tao (1); Chen, Fangze (1); Tian, Ying (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 Luminescence
Abbreviated source title:J Lumin
Volume:154
Issue date:October 2014
Publication year:2014
Pages:41-45
Language:English
ISSN:00222313
CODEN:JLUMA8
Document type:Journal article (JA)
Publisher:Elsevier
Number of references:48
Main heading:Glass
Controlled terms:Erbium - Full width at half maximum - Light amplifiers - Nematic liquid crystals - Niobium oxide - Optical switches - Refractive index
Uncontrolled terms:Emission cross-section - Emission properties - Germanate glass - Judd-Ofelt intensity parameters - Near-infrared emissions - Radiative transition probabilities - Spontaneous transition probabilities - Stimulated emission cross section
Classification code:547.2 Rare Earth Metals - 741.1 Light/Optics - 741.3 Optical Devices and Systems - 804 Chemical Products Generally - 812.3 Glass - 921 Mathematics
DOI:10.1016/j.jlumin.2014.04.006
Database:Compendex

<RECORD 2>

Accession number:20141917692167
Title:Ferromagnetic resonance frequency shift model of laminated magnetoelectric structure tuned by electric field
Authors:Zhou, Hao-Miao (1); Chen, Qing (1); Deng, Juan-Hu (1)
Author affiliation:(1) College of Information Engineering, China Jiliang University, Hangzhou 310018, China; (2) Institute of Applied Mechanics, School of Aeronautics and Astronautics, Zhejiang University, Hangzhou 310027, China
Corresponding author:Zhou, H.-M.(zhouhm@cjlu.edu.cn)
Source title:Chinese Physics B
Abbreviated source title:Chin. Phys.
Volume:23
Issue:4
Issue date:April 2014
Publication year:2014
Article number:047502
Language:English
ISSN:16741056
Document type:Journal article (JA)

Publisher:Institute of Physics Publishing
Number of references:35
Main heading:Ferromagnetic resonance
Controlled terms:Electric fields - Frequency shift keying - Laminates - Laminating - Magnetic fields - Microwave devices
Uncontrolled terms:Classical laminate theory - External electric field - External magnetic field - Ferromagnetic resonance (FMR) - Ferromagnetic resonance frequency - Laminated structures - Parallel magnetic field - Perpendicular magnetic fields
Classification code:415 Metals, Plastics, Wood and Other Structural Materials - 701.1 Electricity: Basic Concepts and Phenomena - 701.2 Magnetism: Basic Concepts and Phenomena - 714 Electronic Components and Tubes - 715 Electronic Equipment, General Purpose and Industrial - 716 Telecommunication; Radar, Radio and Television - 717 Optical Communication - 718 Telephone Systems and Related Technologies; Line Communications - 816.1 Processing of Plastics and Other Polymers
DOI:10.1088/1674-1056/23/4/047502
Database:Compendex

<RECORD 3>

Accession number:20142017709759
Title:Integrated source of tunable nonmaximally mode-entangled photons in a domain-engineered lithium niobate waveguide
Authors:Ming, Yang (1); Wu, Zi-Jian (1); Cui, Guo-Xin (1); Tan, Ai-Hong (3); Xu, Fei (1); Lu, Yan-Qing (1)
Author affiliation:(1) National Laboratory of Solid State Microstructures, College of Engineering and Applied Sciences, Nanjing University, Nanjing 210093, China; (2) Key Laboratory of Nanodevices and Nanoapplications, Suzhou Institute of Nano-Tech and Nano-Bionics, CAS, Suzhou 215000, China; (3) Laboratory for Quantum Information, China Jiliang University, Hangzhou 310018, China
Source title:Applied Physics Letters
Abbreviated source title:Appl Phys Lett
Volume:104
Issue:17
Issue date:April 28, 2014
Publication year:2014
Article number:171110
Language:English
ISSN:00036951
CODEN:APPLAB
Document type:Journal article (JA)
Publisher:American Institute of Physics Inc.
Number of references:24
Main heading:Quantum entanglement
Controlled terms:Logic circuits - Photons - Quantum optics
Uncontrolled terms:Effective solution - Integrated sources - Lithium niobate - Lithium Niobate Waveguide - Non-maximally entangled state - Quantum circuit - Quantum-information processing - Spontaneous parametric down-conversion
Classification code:721.3 Computer Circuits - 931.3 Atomic and Molecular Physics - 931.4 Quantum Theory; Quantum Mechanics
DOI:10.1063/1.4874838
Database:Compendex

<RECORD 4>

Accession number:20142017713236
Title:Nanofocusing in circular sector-like nanoantennas
Authors:Zenin, Vladimir A. (1); Pors, Anders (1); Han, Zhanghua (1); Eriksen, René L. (1);

Volkov, Valentyn S. (1); Bozhevolnyi, Sergey I. (1)
Author affiliation:(1) Department of Technology and Innovation, University of Southern Denmark, Niels Bohr Allé 1, DK-5230 Odense, Denmark; (2) Center for Terahertz Research, China Jiliang University, Hangzhou 310018, China
Source title:Optics Express
Abbreviated source title:Opt. Express
Volume:22
Issue:9
Issue date:41764
Publication year:2014
Pages:10341-10350
Language:English
E-ISSN:10944087
Document type:Journal article (JA)
Publisher:Optical Society of America
Number of references:31
Main heading:Antennas
Controlled terms:Frequency response
Uncontrolled terms:Antenna configurations - Counterpropagating - Near-field images - Near-infrared wavelength - Resonance wavelengths - Resonant excitation - Telecom wavelengths - Transmission spectrums
Classification code:716 Telecommunication; Radar, Radio and Television - 731.1 Control Systems
DOI:10.1364/OE.22.010341
Database:Compendex

<RECORD 5>

Accession number:20141917698072
Title:Optimal design of equivalent water depth truncated mooring system based on baton pattern simulated annealing algorithm
Authors:Zhang, Huo-ming (1); Huang, Sai-hua (2); Guan, Wei-bing (3)
Author affiliation:(1) College of Metrology Technology and Engineering, China Jiliang University, Hangzhou, 310018, China; (2) Department of Ocean Science and Engineering, Zhejiang University, Hangzhou, 310058, China; (3) The Second Institute of Oceanography, China State Oceanic Administration, Hangzhou, 310012, China
Corresponding author:Zhang, H.-M.(zhm102018@163.com)
Source title:China Ocean Engineering
Abbreviated source title:China Ocean Eng
Volume:28
Issue:2
Issue date:April 2014
Publication year:2014
Pages:67-80
Language:English
ISSN:08905487
CODEN:COCEEC
Document type:Journal article (JA)
Publisher:Chinese Ocean Engineering Society
Number of references:20
Main heading:Mooring
Controlled terms:Ocean structures - Optimal systems - Simulated annealing
Uncontrolled terms:FPSO - Hybrid model - Optimization approach - Optimization design - Water depth
Classification code:472 Ocean Engineering - 672 Naval Vessels - 921 Mathematics - 961 Systems Science
Database:Compendex

<RECORD 6>

Accession number:20142017716835
Title:The radiation induced color centers of the LaBr<inf>3</inf>:Ce crystal
Authors:Li, Zhengguo (1); Bao, Hanbo (1); Ding, Yanguo (1); Shi, Hongsheng (1); Qin, Laishun (1); Shu, Kangyin (1)
Author affiliation:(1) College of Materials Science and Engineering, China Jiliang University, Hangzhou 310018, China
Corresponding author:Shi, H.(shihongsheng@cjlu.edu.cn)
Source title:Radiation Measurements
Abbreviated source title:Radiat. Meas.
Volume:65
Issue date:June 2014
Publication year:2014
Pages:14-17
Language:English
ISSN:13504487
CODEN:RMEAEP
Document type:Journal article (JA)
Publisher:Elsevier Ltd
Number of references:11
Main heading:Color centers
Controlled terms:Gamma rays - Irradiation - Radiation damage - Recovery
Uncontrolled terms:F centers - Light output - Radiation-induced - Recovery process - Room temperature
Classification code:482 Mineralogy - 531 Metallurgy and Metallography - 622.2 Radiation Effects - 711.1 Electromagnetic Waves in Different Media - 801 Chemistry - 932.1 High Energy Physics
DOI:10.1016/j.radmeas.2014.04.001
Database:Compendex
Compilation and indexing terms, Copyright 2013 Elsevier Inc.

<RECORD 7>

Accession number:20142017713423
Title:Effect of annealing temperature on microstructure and magnetic properties of α-Fe/Nd<inf>2</inf>Fe<inf>14</inf>B nanocomposite magnets
Authors:Pan, M.X. (1); Zhang, P.Y. (1); Ge, H.L. (1); Wu, Q. (1); Yu, N.J. (1)
Author affiliation:(1) Magnetism Key Laboratory of Zhejiang Province, China Jiliang University, 310018 Hangzhou, China
Corresponding author:Zhang, P.Y.(Zhang_pengyue@cjlu.edu.cn)
Source title:Materials Science and Technology (United Kingdom)
Abbreviated source title:Mater. Sci. Technol.
Volume:30
Issue:7
Issue date:July 2014
Publication year:2014
Pages:832-834
Language:English
ISSN:02670836
E-ISSN:17432847
CODEN:MSCTEP
Document type:Journal article (JA)
Publisher:Maney Publishing, Suite 1C, Joseph's Well, Hanover Walk, Leeds, LS3 1AB, United Kingdom
Number of references:15
Main heading:Annealing
Controlled terms:Exchange coupling - Magnetic properties - Melt spinning - Microstructure
Uncontrolled terms:Annealing temperatures - Effect of annealing - Energy products - Henkel plots - Intergrain exchange coupling - Nanocomposite magnets - Thermal-annealing

Classification code:535.2.2 Metal Forming Practice - 537.1 Heat Treatment Processes - 701.2 Magnetism: Basic Concepts and Phenomena - 933 Solid State Physics - 951 Materials Science
DOI:10.1179/1743284713Y.0000000418
Database:Compendex

<RECORD 8>

Accession number:20141917691912
Title:Optical fiber laser salinity sensor based on multimode interference effect
Authors:Meng, Qingqiang (1); Dong, Xinyong (1); Ni, Kai (1); Li, Yi (1); Xu, Ben (1); Chen, Zhemin (2)
Author affiliation:(1) Institute of Optoelectronic Technology, China Jiliang University, Hangzhou 310018, China; (2) Zhejiang Province Institute of Metrology, Hangzhou 310027, China
Corresponding author:Dong, X.(xydong@cjlu.edu.cn)
Source title:IEEE Sensors Journal
Abbreviated source title:IEEE Sensors J.
Volume:14
Issue:6
Issue date:June 2014
Publication year:2014
Pages:1813-1816
Article number:7361
Language:English
ISSN:1530437X
Document type:Journal article (JA)
Publisher:Institute of Electrical and Electronics Engineers Inc.
Number of references:19
Main heading:Multimode fibers
Controlled terms:Fiber lasers - Fiber optics - Ring lasers - Sensors - Single mode fibers
Uncontrolled terms:Erbium doped fiber ring lasers - Linear response - Measurement accuracy - Measurement range - Multimode interference effects - Sensor head - Transmission peaks - Wavelength shift
Classification code:741.1.2 Fiber Optics - 744 Lasers - 801 Chemistry
DOI:10.1109/JSEN.2014.2298511
Database:Compendex

<RECORD 9>

Accession number:20141917700958
Title:A construction method of gene expression data based on information gain and extreme learning machine classifier on cloud platform
Authors:Wei, Sha-Sha (1); Lu, Hui-Juan (1); Wei, Jin (1); Chao, Li (1)
Author affiliation:(1) College of Information Engineering, China JiLiang University, China
Corresponding author:Lu, H.-J.(hjlu@cjlu.edu.cn)
Source title:International Journal of Database Theory and Application
Abbreviated source title:Int. J. Database Theory Appl.
Volume:7
Issue:2
Issue date:2014
Publication year:2014
Pages:99-108
Language:English
ISSN:20054270
Document type:Journal article (JA)
Publisher:Science and Engineering Research Support Society
Number of references:23
Main heading:Classification (of information)

Controlled terms:Distributed computer systems - Feature extraction - Gene expression - Knowledge acquisition - Learning systems
Uncontrolled terms:Classification accuracy - Cloud platforms - Distributed selection - Extreme learning machine - Feature selection and classification - Large-scale applications - Map-reduce - Parallel and distributed computing
Classification code:461.8.1 Genetic Engineering - 716 Telecommunication; Radar, Radio and Television - 716.1 Information Theory and Signal Processing - 722.4 Digital Computers and Systems - 723.4 Artificial Intelligence
DOI:10.14257/ijdta.2014.7.2.10
Database:Compendex

<RECORD 10>

Accession number:20141917691227
Title:Low temperature dielectric relaxation in complex perovskite BaTi <inf>0.8</inf>(Ni<inf>0.5</inf>Nb<inf>0.5</inf>)<inf>0.2</inf>O<inf>3</inf> ceramics
Authors:Huang, Zhengliang (1); Zhang, Jingji (2); Ji, Ludong (2); Wang, Jiangying (2); Zhai, Jiwei (3); Yu, Faxin (1)
Author affiliation:(1) School of Aeronautics and Astronautics, Zhejiang University, Hangzhou 310012, China; (2) College of Materials Science and Engineering, China Jiliang University, Hangzhou 310018, China; (3) Functional Materials Research Laboratory, Tongji University, Shanghai 200092, China
Corresponding author:Zhang, J.(zjjtongji@gmail.com)
Source title:Journal of Alloys and Compounds
Abbreviated source title:J Alloys Compd
Volume:606
Issue date:September 5, 2014
Publication year:2014
Pages:11-14
Language:English
ISSN:09258388
CODEN:JALCEU
Document type:Journal article (JA)
Publisher:Elsevier BV
Number of references:31
Main heading:Niobium compounds
Controlled terms:Barium compounds - Ceramic materials - Dielectric properties - Dielectric relaxation - Magnetic resonance - Nickel - Perovskite - Photoelectrons - Rietveld refinement - X ray diffraction - X ray photoelectron spectroscopy
Uncontrolled terms:Complex perovskites - Dielectric characteristics - Dipolar defects - Electron paramagnetic resonances (EPR) - Ferroelectric response - Frequency dependent - Low temperatures - Space Groups
Classification code:548.1 Nickel - 701 Electricity and Magnetism - 701.2 Magnetism: Basic Concepts and Phenomena - 711 Electromagnetic Waves - 801 Chemistry - 804.1 Organic Compounds - 812.1 Ceramics - 931.3 Atomic and Molecular Physics
DOI:10.1016/j.jallcom.2014.03.187
Database:Compendex

<RECORD 11>

Accession number:20142017710663
Title:A compact integrated spectrometer based on SU-8 polymer using echelle diffraction grating
Authors:Xia, Xiang (1); Lang, Tingting (2); He, Jian-Jun (1)
Author affiliation:(1) State Key Laboratory of Modern Optical Instrumentation, Centre for Integrated Optoelectronics, Zhejiang University, Hangzhou, 310027, China; (2) College of Optical and Electronic Technology, China Jiliang University, Hangzhou, 310018, China
Source title:Asia Communications and Photonics Conference, ACP

Abbreviated source title:Asia Commun. Photonics Conf.
Monograph title:Asia Communications and Photonics Conference, ACP 2013
Issue date:2013
Publication year:2013
Language:English
ISSN:2162108X
ISBN-13:9781557529893
Document type:Conference article (CA)
Conference name:Asia Communications and Photonics Conference, ACP 2013
Conference date:November 12, 2013 - November 15, 2013
Conference location:Beijing, China
Conference code:104975
Publisher:Optical Society of America
Number of references:7
Main heading:Diffraction gratings
Controlled terms:Diffraction - Photolithography - Photonics - Spectrometers
Uncontrolled terms:Echelle - Etching process - Grating spectrometers - Integrated spectrometers - Photolithography process - SU-8 polymer
Classification code:714.2 Semiconductor Devices and Integrated Circuits - 741.1 Light/Optics - 741.3 Optical Devices and Systems
Database:Compendex

<RECORD 12>

Accession number:20142017716440
Title:The design of color spectrophotometer based on diffuse illumination and compatible SCE/SCI geometric condition
Authors:Yuan, Kun (1); Yan, Hui-Min (1); Jin, Shang-Zhong (2)
Author affiliation:(1) State Key Laboratory of Modern Optical Instrument, Zhejiang University, Hangzhou, Zhejiang 310027, China; (2) College of Optical and Electronic Technolgy, China Jiliang University, Hangzhou, Zhejiang 310018, China
Source title:Proceedings of SPIE - The International Society for Optical Engineering
Abbreviated source title:Proc SPIE Int Soc Opt Eng
Volume:9046
Monograph title:2013 International Conference on Optical Instruments and Technology: Optoelectronic Measurement Technology and Systems
Issue date:2013
Publication year:2013
Article number:90460V
Language:English
ISSN:0277786X
E-ISSN:1996756X
CODEN:PSISDG
ISBN-13:9780819499646
Document type:Conference article (CA)
Conference name:2013 International Conference on Optical Instruments and Technology: Optoelectronic Measurement Technology and Systems
Conference date:November 17, 2013 - November 19, 2013
Conference location:Beijing, China
Conference code:104985
Sponsor:China Instrument and Control Society (CIS); The Society of Photo-Optical Instrumentation Engineers (SPIE)
Publisher:SPIE
Number of references:15
Main heading:Geometry
Controlled terms:Optical instruments
Uncontrolled terms:8 degree gloss - Color measurements - Diffuse illumination - Geometric conditions - Geometric dimensions - Integrating spheres - Light trap - Measurement instruments

Classification code:741.3 Optical Devices and Systems - 921 Mathematics
DOI:10.1117/12.2036508
Database:Compendex

<RECORD 13>

Accession number:20142017711008
Title:Fiber-optic chemical probe based on titled fiber Bragg grating inscribed in the thin-core fiber
Authors:Gu, Bobo (1); Qi, Wenliang (1); Zheng, Jie (1); Shum, Perry Ping (1); Luan, Feng (1)
Author affiliation:(1) School of Electrical and Electronics Engineering, Nanyang Technological University, Singapore; (2) CINTRA CNRS/NTU/THALES, UMI 3288, 50 Nanyang Drive, Singapore; (3) Institute of Optoelectronic Technology, China Jiliang University, Hangzhou, China
Corresponding author:Luan, F.(luanfeng@ntu.edu.sg)
Source title:Asia Communications and Photonics Conference, ACP
Abbreviated source title:Asia Commun. Photonics Conf.
Monograph title:Asia Communications and Photonics Conference, ACP 2013
Issue date:2013
Publication year:2013
Language:English
ISSN:2162108X
ISBN-13:9781557529893
Document type:Conference article (CA)
Conference name:Asia Communications and Photonics Conference, ACP 2013
Conference date:November 12, 2013 - November 15, 2013
Conference location:Beijing, China
Conference code:104975
Publisher:Optical Society of America
Number of references:7
Main heading:Fibers
Controlled terms:Fiber Bragg gratings - Photonics - Probes
Uncontrolled terms:Chemical probes - High sensitivity - Power detection - Thin-core fibers - Tilted fiber Bragg grating
Classification code:741.3 Optical Devices and Systems - 812 Ceramics, Refractories and Glass - 817 Plastics and Other Polymers: Products and Applications - 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
Database:Compendex

<RECORD 14>

Accession number:20142017716510
Title:Optical fiber laser salinity sensor based on multimode interference effect
Authors:Meng, Qingqiang (1); Dong, Xinyong (1)
Author affiliation:(1) Institute of Optoelectronic Technology, China Jiliang University, Hangzhou, China
Corresponding author:Dong, X.
Source title:Proceedings of SPIE - The International Society for Optical Engineering
Abbreviated source title:Proc SPIE Int Soc Opt Eng
Volume:9044
Monograph title:2013 International Conference on Optical Instruments and Technology: Optical Sensors and Applications
Issue date:2013
Publication year:2013
Article number:90441J
Language:English
ISSN:0277786X

E-ISSN:1996756X
CODEN:PSISDG
ISBN-13:9780819499622
Document type:Conference article (CA)
Conference name:2013 International Conference on Optical Instruments and Technology: Optical Sensors and Applications
Conference date:November 17, 2013 - November 19, 2013
Conference location:Beijing, China
Conference code:104987
Sponsor:China Instrument and Control Society (CIS); The Society of Photo-Optical Instrumentation Engineers (SPIE)
Publisher:SPIE
Number of references:17
Main heading:Multimode fibers
Controlled terms:Fiber lasers - Fiber optics - Optical instruments - Optical sensors - Ring lasers - Single mode fibers
Uncontrolled terms:Erbium doped fiber ring lasers - Fiber laser sensors - Measurement accuracy - Measurement range - Multimode interference effects - salinity - Transmission peaks - Wavelength shift
Classification code:741.1.2 Fiber Optics - 741.3 Optical Devices and Systems - 744 Lasers - 801 Chemistry
DOI:10.1117/12.2038120
Database:Compendex
Compilation and indexing terms, Copyright 2013 Elsevier Inc.

<RECORD 15>

Accession number:20142017716522
Title:Optical fiber sensor system for remote refractive index measurement based on Fresnel reflection using an OTDR
Authors:Yuan, Jianying (1); Zhao, Chun-Liu (1); Ye, Manping (1); Zhang, Zaixuan (1); Jin, Shangzhong (1)
Author affiliation:(1) Institute of Optoelectronic Technology, China Jiliang University, Hangzhou, 310018, China
Corresponding author:Zhao, C.-L.(zhchunliu@homail.com)
Source title:Proceedings of SPIE - The International Society for Optical Engineering
Abbreviated source title:Proc SPIE Int Soc Opt Eng
Volume:9044
Monograph title:2013 International Conference on Optical Instruments and Technology: Optical Sensors and Applications
Issue date:2013
Publication year:2013
Article number:904410
Language:English
ISSN:0277786X
E-ISSN:1996756X
CODEN:PSISDG
ISBN-13:9780819499622
Document type:Conference article (CA)
Conference name:2013 International Conference on Optical Instruments and Technology: Optical Sensors and Applications
Conference date:November 17, 2013 - November 19, 2013
Conference location:Beijing, China
Conference code:104987
Sponsor:China Instrument and Control Society (CIS); The Society of Photo-Optical Instrumentation Engineers (SPIE)
Publisher:SPIE
Number of references:9
Main heading:Refractive index

Controlled terms:Optical instruments - Optical sensors - Refractometers - Time domain analysis
Uncontrolled terms:Fresnel reflections - Optical fiber sensor - Optical fiber sensor systems - Optical time domain reflectometry techniques - OTDR - Refractive index measurement - Remote measurement - Surrounding refractive indices (SRI)
Classification code:741.1 Light/Optics - 801 Chemistry - 921 Mathematics - 941.3 Optical Instruments
DOI:10.1117/12.2036961
Database:Compendex

<RECORD 16>

Accession number:20142017716445
Title:The initial point of collimator CCD imagine calibration by pyramid prism
Authors:Wang, Zongping (1); Jin, Shangzhong (1); Wang, Weicheng (2); Zhu, Xiaoping (2)
Author affiliation:(1) China JiLiang University, Hang Zhou, Zhe Jiang, 310018, China; (2) National Institute of Metrology, BeiJing, 100013, China
Corresponding author:Wang, Z.
Source title:Proceedings of SPIE - The International Society for Optical Engineering
Abbreviated source title:Proc SPIE Int Soc Opt Eng
Volume:9046
Monograph title:2013 International Conference on Optical Instruments and Technology: Optoelectronic Measurement Technology and Systems
Issue date:2013
Publication year:2013
Article number:90461A
Language:English
ISSN:0277786X
E-ISSN:1996756X
CODEN:PSISDG
ISBN-13:9780819499646
Document type:Conference article (CA)
Conference name:2013 International Conference on Optical Instruments and Technology: Optoelectronic Measurement Technology and Systems
Conference date:November 17, 2013 - November 19, 2013
Conference location:Beijing, China
Conference code:104985
Sponsor:China Instrument and Control Society (CIS); The Society of Photo-Optical Instrumentation Engineers (SPIE)
Publisher:SPIE
Number of references:4
Main heading:Calibration
Controlled terms:Errors - Manufacture - Optical collimators - Optical instruments - Optical properties - Prisms
Uncontrolled terms:Calibration accuracy - collimator - Initial point - Manufacturing errors - Oblique incidence - Relative standard deviations - Reproducibilities - Two-dimension
Classification code:537.1 Heat Treatment Processes - 731 Automatic Control Principles and Applications - 741.1 Light/Optics - 741.3 Optical Devices and Systems - 921 Mathematics - 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
DOI:10.1117/12.2038016
Database:Compendex

<RECORD 17>

Accession number:20142017716481
Title:Power-referenced refractometer based on hybrid fiber grating

Authors:Dong, Xinyong (1); Zheng, Jie (1); Shum, Perry Ping (2)
Author affiliation:(1) Institute of Optoelectronic Technology, China Jiliang University, Hangzhou, China; (2) School of Electrical and Electronics Engineering, Nanyang Technological University, Singapore, Singapore; (3) CINTRA CNRS/NTU/THALES, Research Techno Plaza, 50 Nanyang Drive, Singapore, Singapore
Corresponding author:Dong, X.(xydong@cjlu.edu.cn)
Source title:Proceedings of SPIE - The International Society for Optical Engineering
Abbreviated source title:Proc SPIE Int Soc Opt Eng
Volume:9044
Monograph title:2013 International Conference on Optical Instruments and Technology: Optical Sensors and Applications
Issue date:2013
Publication year:2013
Article number:90440G
Language:English
ISSN:0277786X
E-ISSN:1996756X
CODEN:PSISDG
ISBN-13:9780819499622
Document type:Conference article (CA)
Conference name:2013 International Conference on Optical Instruments and Technology: Optical Sensors and Applications
Conference date:November 17, 2013 - November 19, 2013
Conference location:Beijing, China
Conference code:104987
Sponsor:China Instrument and Control Society (CIS); The Society of Photo-Optical Instrumentation Engineers (SPIE)
Publisher:SPIE
Number of references:17
Main heading:Fibers
Controlled terms:Fiber Bragg gratings - Optical instruments - Optical sensors - Optical signal processing - Refractive index - Refractometers
Uncontrolled terms:chirped-fiber Bragg gratings (CFBGs) - Fiber cores - Fiber refractometer - Hybrid fiber - Optical fiber sensor - Optical signals - Refractive index measurement - tilted-fiber Bragg gratings (TFBGs)
Classification code:703 Electric Circuits - 741.1 Light/Optics - 741.3 Optical Devices and Systems - 812 Ceramics, Refractories and Glass - 817 Plastics and Other Polymers: Products and Applications - 941.3 Optical Instruments
DOI:10.1117/12.2037187
Database:Compendex

<RECORD 18>

Accession number:20142017716523
Title:Modal interferometer based on volatile organic compounds diffused in a simplified hollow-core photonic crystal fiber
Authors:Niu, Luo (1); Zhao, Chun-Liu (1); Kang, Juan (1); Ye, Man-Ping (1)
Author affiliation:(1) Institute of Optoelectronic Technology, China Jiliang University, Hangzhou, 310018, China
Corresponding author:Zhao, C.-L.(zhchunliu@homail.com)
Source title:Proceedings of SPIE - The International Society for Optical Engineering
Abbreviated source title:Proc SPIE Int Soc Opt Eng
Volume:9044
Monograph title:2013 International Conference on Optical Instruments and Technology: Optical Sensors and Applications
Issue date:2013
Publication year:2013
Article number:904411

Language:English
ISSN:0277786X
E-ISSN:1996756X
CODEN:PSISDG
ISBN-13:9780819499622
Document type:Conference article (CA)
Conference name:2013 International Conference on Optical Instruments and Technology: Optical Sensors and Applications
Conference date:November 17, 2013 - November 19, 2013
Conference location:Beijing, China
Conference code:104987
Sponsor:China Instrument and Control Society (CIS); The Society of Photo-Optical Instrumentation Engineers (SPIE)
Publisher:SPIE
Number of references:27
Main heading:Nonlinear optics
Controlled terms:Ethanol - Experiments - Gas chromatography - Interferometers - Optical sensors - Photonic crystal fibers - Single mode fibers - Volatile organic compounds
Uncontrolled terms:Ethanol concentrations - Fundamental core mode - Hollow core photonic crystal fiber - Interference patterns - Interference spectrum - Modal interferometers - Optical fiber sensor - Transmission intensity
Classification code:451.1 Air Pollution Sources - 523 Liquid Fuels - 741.1.1 Nonlinear Optics - 741.1.2 Fiber Optics - 801 Chemistry - 901.3 Engineering Research - 941.3 Optical Instruments
DOI:10.1117/12.2036968
Database:Compendex

<RECORD 19>

Accession number:20142017710597
Title:Design of athermal AWGs employing temperature compensators based on silicon nanowires
Authors:Chen, Guanting (1); Lang, Tingting (1); Zou, Jun (1); He, Jian-Jun (1)
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Corresponding author:Lang, T.
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Main heading:Waveform analysis
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Authors:Lei, Yuqing (1); Chen, Xi (1); Li, Jihui (2); Tong, Jie (1)
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Uncontrolled terms:Brillouin sensors - Distributed strain - OPPC - Separation algorithms - Temperature measuring
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