

# Hai Xiao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7880054/publications.pdf>

Version: 2024-02-01

254  
papers

5,403  
citations

87888

38  
h-index

114465

63  
g-index

254  
all docs

254  
docs citations

254  
times ranked

3600  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase Demodulation by Frequency Chirping in Coherence Microwave Photonic Interferometry. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-9.	2.9	9
2	Ultra-fast, selective, non-melting, laser sintering of alumina with anisotropic and size-suppressed grains. Journal of the American Ceramic Society, 2021, 104, 1997-2006.	3.8	10
3	Passive Digital Sensing Method and Its Implementation on Passive RFID Temperature Sensors. IEEE Sensors Journal, 2021, 21, 4793-4800.	4.7	22
4	Microwave photonic low-coherence interferometry for dark zone free distributed optical fiber sensing. Optics Letters, 2021, 46, 1173.	3.3	10
5	Machine learning-based microstructure prediction during laser sintering of alumina. Scientific Reports, 2021, 11, 10724.	3.3	16
6	Ultra-Fast Laser Fabrication of Alumina Micro-Sample Array and High-Throughput Characterization of Microstructure and Hardness. Crystals, 2021, 11, 890.	2.2	1
7	Chemically Inert Hydrocarbon-Based Slurries for Rapid Laser Sintering of Thin Proton-Conducting Ceramics. Materials Research Bulletin, 2021, 143, 111446.	5.2	3
8	Distributed Acoustic Sensing Based on Coherent Microwave Photonics Interferometry. Sensors, 2021, 21, 6784.	3.8	3
9	Determining Dielectric Constants for Complex Solvent Mixtures by Microwave Sensing and Model Prediction. Journal of Physical Chemistry A, 2021, 125, 10245-10254.	2.5	5
10	The effect of laser sintering on the microstructure, relative density, and cracking of sol-gel derived silica thin films. Journal of the American Ceramic Society, 2020, 103, 70-81.	3.8	8
11	Large strain-tolerated smart steel strand with built in coaxial cable Fabry-Perot interferometer. Measurement: Journal of the International Measurement Confederation, 2020, 151, 107019.	5.0	12
12	Rapid Laser Processing of Thin Sr-Doped LaCrO <sub>3</sub> Interconnects for Solid Oxide Fuel Cells. Energy Technology, 2020, 8, 2070104.	3.8	0
13	Rapid laser reactive sintering of BaCe <sub>0.7</sub> Zr <sub>0.1</sub> Y <sub>0.1</sub> O <sub>3-δ</sub> electrolyte for protonic ceramic fuel cells. Journal of Power Sources Advances, 2020, 4, 100017.	5.1	7
14	A metal-ceramic coaxial cable with multipoint Fabry-Perot interferometers for monitoring distributed high temperature. Measurement: Journal of the International Measurement Confederation, 2020, 162, 107943.	5.0	3
15	Rapid Laser Processing of Thin Sr-Doped LaCrO <sub>3</sub> Interconnects for Solid Oxide Fuel Cells. Energy Technology, 2020, 8, 2000364.	3.8	5
16	Fabrication and Characterization of Femtosecond Laser Induced Microwave Frequency Photonic Fiber Grating. Journal of Lightwave Technology, 2020, 38, 5286-5292.	4.6	2
17	A Novel Laser 3D Printing Method for the Advanced Manufacturing of Protonic Ceramics. Membranes, 2020, 10, 98.	3.0	13
18	Direct inkjet printing of mullite nano-ribbons from the sol-gel precursor. Journal of Sol-Gel Science and Technology, 2020, 95, 66-76.	2.4	2

#	ARTICLE	IF	CITATIONS
19	One-Step Fabrication of Nanocrystalline Nanonetwork SnO <sub>2</sub> Gas Sensors by Integrated Multilaser Processing. <i>Advanced Materials Technologies</i> , 2020, 5, 2000281.	5.8	10
20	Rapid Laser Reactive Sintering for Sustainable and Clean Preparation of Protonic Ceramics. <i>ACS Omega</i> , 2020, 5, 11637-11642.	3.5	8
21	Label-free in situ pH monitoring in a single living cell using an optical nanoprobe. <i>Medical Devices &amp; Sensors</i> , 2020, 3, e10079.	2.7	4
22	Glass 3D Printing of Microfluidic Pressure Sensor Interrogated by Fiber-Optic Refractometry. <i>IEEE Photonics Technology Letters</i> , 2020, 32, 414-417.	2.5	8
23	Laser-assisted embedding of all-glass optical fiber sensors into bulk ceramics for high-temperature applications. <i>Optics and Laser Technology</i> , 2020, 128, 106223.	4.6	9
24	DeepPower: Non-intrusive and Deep Learning-based Detection of IoT Malware Using Power Side Channels. , 2020, , .		25
25	Unveil early-stage nanocytotoxicity by a label-free single cell pH nanoprobe. <i>Analyst, The</i> , 2020, 145, 7210-7224.	3.5	2
26	Reflection-mode fiber-optic temperature sensing probe based on quantum dots filled micro-cavity. , 2020, , .		0
27	Application of glass 3D printing using direct laser melting for fabrication of photonic sensors. , 2020, , .		0
28	Information integrated glass module fabricated by integrated additive and subtractive manufacturing. <i>Optics Letters</i> , 2020, 45, 1663.	3.3	4
29	Fabricating ceramics with embedded microchannels using an integrated additive manufacturing and laser machining method. <i>Journal of the American Ceramic Society</i> , 2019, 102, 1071-1082.	3.8	18
30	Investigation into coaxial cable Fabry-Pérot interferometers for strain measurement and crack detection in RC structures. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 147, 106873.	5.0	7
31	3D Printing of All-Glass Fiber-Optic Pressure Sensor for High Temperature Applications. <i>IEEE Sensors Journal</i> , 2019, 19, 11242-11246.	4.7	29
32	Temperature-insensitive curvature sensor based on anti-resonant reflection guidance and Mach-Zehnder interferometer hybrid mechanism. <i>Applied Physics Express</i> , 2019, 12, 106503.	2.4	15
33	Quantitative analysis of SO <sub>2</sub> , H <sub>2</sub> S and CS <sub>2</sub> mixed gases based on ultraviolet differential absorption spectrometry. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 215, 187-195.	3.9	26
34	Research on C <sub>4</sub> F <sub>7</sub> N gas mixture detection based on infrared spectroscopy. <i>Sensors and Actuators A: Physical</i> , 2019, 294, 126-132.	4.1	11
35	A photoacoustic imaging method for in-situ monitoring of laser assisted ceramic additive manufacturing. <i>Optics and Laser Technology</i> , 2019, 115, 459-464.	4.6	15
36	Distributed temperature sensing with unmodified coaxial cable based on random reflections in TDR signal. <i>Measurement Science and Technology</i> , 2019, 30, 015105.	2.6	5

#	ARTICLE	IF	CITATIONS
37	Bi-material strip based temperature sensor design and optimization through thermo-mechanical multi-physics modeling. International Journal of Smart and Nano Materials, 2019, 10, 1-10.	4.2	3
38	All Optical Fiber Optofluidic or Ferrofluidic Microsensors Fabricated by Femtosecond Laser Micromachining. , 2019, , 2351-2388.		0
39	Additive Manufacturing of Fused Silica Glass Using Direct Laser Melting. , 2019, , .		6
40	Tapered hollow annular core fiber coupled whispering-gallery mode microsphere resonators. , 2019, , .		0
41	Engineering of microstructures of protonic ceramics by a novel rapid laser reactive sintering for ceramic energy conversion devices. Solid State Ionics, 2018, 320, 369-377.	2.7	15
42	In-Line Fiber Michelson Interferometer for Enhancing the Q Factor of Cone-Shaped Inwall Capillary Coupled Resonators. IEEE Photonics Journal, 2018, 10, 1-8.	2.0	28
43	All Optical Fiber Optofluidic or Ferrofluidic Microsensors Fabricated by Femtosecond Laser Micromachining. , 2018, , 1-38.		0
44	Spatially continuous fully distributed microwave-photonic and coaxial cable sensors for structural health monitoring. International Journal of Sustainable Materials and Structural Systems, 2018, 3, 171.	0.1	0
45	Multi-Parameter Sensing Device to Detect Liquid Layers Using Long-Period Fiber Gratings. Sensors, 2018, 18, 3094.	3.8	4
46	Distortion-tolerated high-speed FBG demodulation method using temporal response of high-gain photodetector. Optical Fiber Technology, 2018, 45, 399-404.	2.7	5
47	Position-deviation-compensation demodulation method for multi-channel polarized low-coherence interferometry. Optics Express, 2018, 26, 17407.	3.4	5
48	Optical fiber Fabry-Pérot interferometer based on phase-shifting technique and birefringence crystals. Optics Express, 2018, 26, 21606.	3.4	13
49	Investigation of fused tapering with inner pressurized air for microcapillary-based optical sensor. Optical Fiber Technology, 2018, 45, 244-249.	2.7	3
50	Detection of Ozone and Nitric Oxide in Decomposition Products of Air-Insulated Switchgear Using Ultraviolet Differential Optical Absorption Spectroscopy (UV-DOAS). Applied Spectroscopy, 2018, 72, 1244-1251.	2.2	19
51	Embedded whispering-gallery mode microsphere resonator in a tapered hollow annular core fiber. Photonics Research, 2018, 6, 1124.	7.0	29
52	Characterizing the Gas adsorption-dependent Dielectric Constant for Silicalite Nanoparticles at Microwave Frequencies by a Coaxial Cable Fabry-Pérot Interferometric Sensing Method. Madridge Journal of Nanotechnology & Nanoscience, 2018, 3, 98-105.	0.4	3
53	Cone-shaped Inwall Capillary based Microcavity Aimed for Temperature and Refractive Index Sensing. , 2018, , .		0
54	Silica Capillary based Whispering Gallery Mode Resonators and Functional Fiber Devices. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
55	Direct inkjet printing of miniaturized luminescent YAG:Er <sup>3+</sup> from sol-gel precursor. <i>Optical Materials</i> , 2017, 68, 11-18.	3.6	7
56	A coaxial cable magnetic field sensor based on ferrofluid filled Fabry-Perot interferometer structure. <i>Sensors and Actuators A: Physical</i> , 2017, 257, 194-197.	4.1	18
57	A metal-ceramic coaxial cable Fabry-Perot microwave interferometer for monitoring fluid dielectric constant. <i>Sensors and Actuators A: Physical</i> , 2017, 257, 1-7.	4.1	10
58	Thick Er-doped silica films sintered using CO <sub>2</sub> laser for scintillation applications. <i>Optical Materials</i> , 2017, 68, 63-69.	3.6	9
59	A Fluidic-Based High-Pressure Sensor Interrogated by Microwave Fabry-Perot Interferometry. <i>IEEE Sensors Journal</i> , 2017, 17, 4388-4393.	4.7	12
60	Development and evaluation of the coaxial cable casing imager: a cost-effective solution to real-time downhole monitoring for CO <sub>2</sub> sequestration wellbore integrity. , 2017, 7, 927-941.		6
61	3D beam shape estimation based on distributed coaxial cable interferometric sensor. <i>Smart Materials and Structures</i> , 2017, 26, 035017.	3.5	8
62	Quantitative detection of H <sub>2</sub> S and CS <sub>2</sub> mixed gases based on UV absorption spectrometry. <i>RSC Advances</i> , 2017, 7, 50889-50898.	3.6	29
63	Permeation and optical properties of YAG:Er <sup>3+</sup> fiber membrane scintillators prepared by novel sol-gel/electrospinning method. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 83, 35-43.	2.4	12
64	Local pH monitoring of small cluster of cells using a fiber-optic dual-core micro-probe. <i>Sensors and Actuators B: Chemical</i> , 2017, 241, 398-405.	7.8	20
65	A microfiber half coupler for refractive index sensing. <i>IEEE Photonics Technology Letters</i> , 2017, , 1-1.	2.5	10
66	Distributed optical fiber sensing based on coherence-length gated microwave photonics interferometry. , 2017, , .		1
67	Observation of Fano resonances in a reflective fiber coupled microcavity. , 2017, , .		1
68	Fano resonances in cone-shaped inwall capillary based microsphere resonator. <i>Optics Express</i> , 2017, 25, 615.	3.4	32
69	Coherence-length-gated distributed optical fiber sensing based on microwave-photonics interferometry. <i>Optics Express</i> , 2017, 25, 31362.	3.4	20
70	Non-destructive residual pressure self-measurement method for the sensing chip of optical Fabry-Perot pressure sensor. <i>Optics Express</i> , 2017, 25, 31937.	3.4	12
71	Theoretical aspects and sensing demonstrations of cone-shaped inwall capillary-based microsphere resonators. <i>Photonics Research</i> , 2017, 5, 516.	7.0	35
72	Microwave-assisted frequency domain measurement of fiber-loop ring-down system. <i>Optics Letters</i> , 2017, 42, 1209.	3.3	14

#	ARTICLE	IF	CITATIONS
73	Micro-cantilever-based fiber optic hydrophone fabricated by a femtosecond laser. Optics Letters, 2017, 42, 2459.	3.3	42
74	Ultrafast laser ablation of silica optical fibers for fabrication of diaphragm/cantilever-based acoustic sensors. Journal of Laser Applications, 2017, 29, 022206.	1.7	4
75	Development of a Distributed Crack Sensor Using Coaxial Cable. Sensors, 2016, 16, 1198.	3.8	8
76	An IFPI Temperature Sensor Fabricated in an Unstriped Optical Fiber with Self-Strain-Compensation Function. Journal of Sensors, 2016, 2016, 1-7.	1.1	6
77	Laboratory Evaluation of a Real-Time Coaxial Cable Casing Imager for Wellbore Integrity Monitoring. , 2016, , .		4
78	Laboratory evaluation of distributed coaxial cable temperature sensors for application in CO <sub>2</sub> sequestration well characterization. , 2016, 6, 812-823.		5
79	A novel SERS substrate based on silver nanoparticles-capsulated single porous glass microsphere. , 2016, , .		2
80	Femtosecond laser processing of transparent materials for assembly-free fabrication of photonic microsensors. , 2016, , .		1
81	A cantilever based optical fiber acoustic sensor fabricated by femtosecond laser micromachining. , 2016, , .		2
82	Stress-induced birefringence and fabrication of in-fiber polarization devices by controlled femtosecond laser irradiations. Optics Express, 2016, 24, 1062.	3.4	16
83	Light propagation in the micro-size capillary injected by high temperature liquid. Optoelectronics Letters, 2016, 12, 405-408.	0.8	0
84	Monitoring cure properties of out-of-autoclave BMI composites using IFPI sensor. Proceedings of SPIE, 2016, , .	0.8	0
85	Integrated microsphere whispering gallery mode probe for highly sensitive refractive index measurement. Optical Engineering, 2016, 55, 067105.	1.0	1
86	Distributed torsion sensor based on cascaded coaxial cable Fabry-Perot interferometers. Measurement Science and Technology, 2016, 27, 075103.	2.6	17
87	Microwave photonic distributed sensing in harsh environment. Proceedings of SPIE, 2016, , .	0.8	2
88	Femtosecond laser fabricated multimode fiber sensors interrogated by optical-carrier-based microwave interferometry technique for distributed strain sensing. , 2016, , .		0
89	All optical fiber polarization controlling devices fabricated by femtosecond laser irradiation. Proceedings of SPIE, 2016, , .	0.8	0
90	Interferogram Reconstruction of Cascaded Coaxial Cable Fabry-Perot Interferometers for Distributed Sensing Application. IEEE Sensors Journal, 2016, 16, 4495-4500.	4.7	25

#	ARTICLE	IF	CITATIONS
91	Strain monitoring of bismaleimide composites using embedded microcavity sensor. Optical Engineering, 2016, 55, 037102.	1.0	7
92	Ferrofluid-based optical fiber magnetic field sensor fabricated by femtosecond laser irradiation. Proceedings of SPIE, 2016, , .	0.8	2
93	Robust and Cost Effective Distributed Coaxial Cable Sensors Verified As Real-Time Permanent Downhole Monitoring for Groundwater Safety in Geological CO2 Storage. , 2015, , .		0
94	Development of Metal-Ceramic Coaxial Cable Fabry-Pérot Interferometric Sensors for High Temperature Monitoring. Sensors, 2015, 15, 24914-24925.	3.8	13
95	In vitro study of improved wound-healing effect of bioactive borate-based glass nano-/micro-fibers. Materials Science and Engineering C, 2015, 55, 105-117.	7.3	67
96	Steel bar corrosion monitoring with long-period fiber grating sensors coated with nano iron/silica particles and polyurethane. Structural Health Monitoring, 2015, 14, 178-189.	7.5	35
97	Integrated chemical vapor sensor based on thin wall capillary coupled porous glass microsphere optical resonator. Sensors and Actuators B: Chemical, 2015, 216, 332-336.	7.8	25
98	Fiber-Optic-Based Micro-Probe Using Hexagonal 1-in-6 Fiber Configuration for Intracellular Single-Cell pH Measurement. Analytical Chemistry, 2015, 87, 7171-7179.	6.5	29
99	Microwave Interrogated Sapphire Fiber Michelson Interferometer for High Temperature Sensing. IEEE Photonics Technology Letters, 2015, 27, 1398-1401.	2.5	61
100	Highly efficient Er/Yb-codoped fiber amplifier with an Yb-band fiber Bragg grating. Optics Letters, 2015, 40, 2634.	3.3	23
101	Microwave interrogated large core fused silica fiber Michelson interferometer for strain sensing. Applied Optics, 2015, 54, 7181.	2.1	42
102	Reflection-mode micro-spherical fiber-optic probes for in vitro real-time and single-cell level pH sensing. Sensors and Actuators B: Chemical, 2015, 207, 571-580.	7.8	18
103	Spatially continuous distributed fiber optic sensing using optical carrier based microwave interferometry. Optics Express, 2014, 22, 18757.	3.4	85
104	Simultaneous measurement of temperature and pressure with cascaded extrinsic Fabry-Pérot interferometer and intrinsic Fabry-Pérot interferometer sensors. Optical Engineering, 2014, 53, 067101.	1.0	57
105	Microcavity strain sensor for high temperature applications. Optical Engineering, 2014, 53, 017105.	1.0	14
106	SERS fiber probe fabricated by femtosecond laser with lateral surface silver coating on micro-fiber tips. Proceedings of SPIE, 2014, , .	0.8	0
107	Wavelength Dependence of the Sensitivity of All-Fiber Refractometers Based on the Singlemode-Multimode-Singlemode Structure. IEEE Photonics Journal, 2014, 6, 1-7.	2.0	11
108	High-temperature fiber-optic Fabry-Pérot interferometric pressure sensor fabricated by femtosecond laser: erratum. Optics Letters, 2014, 39, 17.	3.3	11

#	ARTICLE	IF	CITATIONS
109	Control of critical coupling in a coiled coaxial cable resonator. Review of Scientific Instruments, 2014, 85, 054701.	1.3	9
110	Fiber pigtailed thin wall capillary coupler for excitation of microsphere WGM resonator in chemical sensing. Proceedings of SPIE, 2014, , .	0.8	1
111	Miniaturized optical fiber Fabry-Perot interferometer fabricated by femtosecond laser irradiation and selective chemical etching. , 2014, , .		0
112	Optical carrier-based microwave interferometers for sensing application. Proceedings of SPIE, 2014, , .	0.8	5
113	All-in-fiber optofluidic sensor fabricated by femtosecond laser assisted chemical etching. Optics Letters, 2014, 39, 2358.	3.3	62
114	Reflection based extraordinary optical transmission fiber optic probe for refractive index sensing. Sensors and Actuators B: Chemical, 2014, 193, 95-99.	7.8	23
115	Temperature compensated refractometer based on a cascaded SMS/LPFG fiber structure. Sensors and Actuators B: Chemical, 2014, 198, 384-387.	7.8	45
116	Comparison of Silica and Sapphire Fiber SERS Probes Fabricated by a Femtosecond Laser. IEEE Photonics Technology Letters, 2014, 26, 1299-1302.	2.5	24
117	Modeling of Coaxial Cable Bragg Grating by Coupled Mode Theory. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 2251-2259.	4.6	11
118	Coaxial cable Bragg grating assisted microwave coupler. Review of Scientific Instruments, 2014, 85, 014703.	1.3	15
119	Reflection-based phase-shifted long period fiber grating for simultaneous measurement of temperature and refractive index. Optical Engineering, 2013, 52, 014404.	1.0	28
120	Multilayer fiber optic sensors for in situ gas monitoring in harsh environments. Sensors and Actuators B: Chemical, 2013, 177, 205-212.	7.8	14
121	Synthesis and characterization of spinel MgAl <sub>2</sub> O <sub>4</sub> thin film as sapphire optical fiber cladding for high temperature applications. Thin Solid Films, 2013, 539, 81-87.	1.8	32
122	Embeddable fiber optic strain sensor for structural monitoring. Proceedings of SPIE, 2013, , .	0.8	3
123	Turn-around point long-period fiber grating fabricated by CO <sub>2</sub> laser for refractive index sensing. Sensors and Actuators B: Chemical, 2013, 177, 1149-1155.	7.8	27
124	Optical fiber magnetic field sensor based on single-modeâ€“multimodeâ€“single-mode structure and magnetic fluid. Optics Letters, 2013, 38, 3999.	3.3	229
125	Monitoring of out-of-autoclave BMI composites using fiber optic sensors. Proceedings of SPIE, 2013, , .	0.8	1
126	High-temperature fiber-optic Fabryâ€“Perot interferometric pressure sensor fabricated by femtosecond laser. Optics Letters, 2013, 38, 4609.	3.3	147



#	ARTICLE	IF	CITATIONS
127	Fiber pigtailed thin wall capillary coupler for excitation of microsphere WGM resonator. Optics Express, 2013, 21, 15834.	3.4	45
128	Microwave assisted reconstruction of optical interferograms for distributed fiber optic sensing. Optics Express, 2013, 21, 18152.	3.4	34
129	Flexible Fabrication of Long-Period Fiber Grating Devices Based on Erasing Effect by Controlled Co <sub>2</sub> Laser Pulse Exposure. Microwave and Optical Technology Letters, 2013, 55, 1735-1738.	1.4	2
130	A Novel Self-Healing Optical Fiber Network. Applied Mechanics and Materials, 2013, 330, 553-560.	0.2	2
131	A Coaxial Cable Fabry-Perot Interferometer for Sensing Applications. Sensors, 2013, 13, 15252-15260.	3.8	52
132	Large-strain optical fiber sensing and real-time FEM updating of steel structures under the high temperature effect. Smart Materials and Structures, 2013, 22, 015016.	3.5	21
133	Simultaneous detection of liquid level and refractive index with a long-period fiber grating based sensor device. Measurement Science and Technology, 2013, 24, 095303.	2.6	25
134	Long period fiber grating sensors coated with nano iron/silica particles for corrosion monitoring. Smart Materials and Structures, 2013, 22, 075018.	3.5	31
135	Fiber inline Michelson interferometer fabricated by one-step femtosecond laser micromachining for sensing applications. Proceedings of SPIE, 2013, , .	0.8	1
136	Fiber optic distributed sensing technology based on microwave reconstructed optical interferograms. , 2013, , .		2
137	Porous wall hollow glass microsphere as an optical microresonator for chemical vapor detection. Proceedings of SPIE, 2012, , .	0.8	0
138	Polymer optical fiber for large strain measurement based on multimode interference. Optics Letters, 2012, 37, 4308.	3.3	75
139	Optical fiber sensor based on a radio frequency Mach-Zehnder interferometer. Optics Letters, 2012, 37, 647.	3.3	44
140	Fiber inline Michelson interferometer fabricated by a femtosecond laser. Optics Letters, 2012, 37, 4489.	3.3	57
141	Optical microresonator based on hollow sphere with porous wall for chemical sensing. Optics Letters, 2012, 37, 94.	3.3	21
142	Radio frequency interrogated actively mode-locked fiber ring laser for sensing application. Optics Letters, 2012, 37, 494.	3.3	4
143	Polymer microlens fiber probe for common path optical coherence tomography. , 2012, , .		0
144	Common-path endoscopic optical coherence tomography application to human internal organs detection. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
145	High order mode long-period fiber grating refractive index sensor based on intensity measurement. Proceedings of SPIE, 2012, , .	0.8	0
146	Refractive-index insensitive long-period fiber gratings point-by-point inscribed by CO <sub>2</sub> laser for fiber sensors and lasers. , 2012, , .		0
147	Experimental validation of finite element model analysis of a steel frame in simulated post-earthquake fire environments. Proceedings of SPIE, 2012, , .	0.8	1
148	A study on Q-factor of CCBG sensors by coupled mode theory. Proceedings of SPIE, 2012, , .	0.8	1
149	Long-Period Grating Inscribed on Concatenated Double-Clad and Single-Clad Fiber for Simultaneous Measurement of Temperature and Refractive Index. IEEE Photonics Technology Letters, 2012, 24, 1130-1132.	2.5	39
150	Optical fiber sensor interrogation improved by active fiber loop. Proceedings of SPIE, 2012, , .	0.8	0
151	First-principles electron dynamics control simulation of diamond under femtosecond laser pulse train irradiation. Journal of Physics Condensed Matter, 2012, 24, 275801.	1.8	22
152	High-throughput rear-surface drilling of microchannels in glass based on electron dynamics control using femtosecond pulse trains. Optics Letters, 2012, 37, 2781.	3.3	56
153	Coaxial cable Bragg grating sensors for large strain measurement with high accuracy. Proceedings of SPIE, 2012, , .	0.8	33
154	Hydrogen sensor based on palladium coated SMS fiber structure. , 2012, , .		0
155	Steel Building Assessment in Post-Earthquake Fire Environments with Fiber Optical Sensors. , 2012, , .		0
156	Formation mechanisms of sub-wavelength ripples during femtosecond laser pulse train processing of dielectrics. Journal Physics D: Applied Physics, 2012, 45, 175301.	2.8	35
157	Fs Laser Fabricated D-shaped Fiber for Surface Enhanced Raman Scattering Substrate. , 2012, , .		0
158	Zeolite Thin Film-Coated Fiber Sensor for Measuring Chemical Trace based on Multimode Interference. , 2012, , .		0
159	A Review of Recent Development of Efficient High-Power Continuous-Wave Er-Yb Codoped Fiber Amplifiers. Recent Patents on Electrical and Electronic Engineering, 2012, 5, 96-102.	0.5	1
160	Turn-Around-Point Long-Period Fiber Gratings Fabricated by CO <sub>2</sub> Laser Point-by-Point Irradiations. IEEE Photonics Technology Letters, 2011, 23, 1664-1666.	2.5	36
161	Optical fiber sensors for high temperature harsh environment sensing. , 2011, , .		4
162	Acidic ZSM-5 zeolite-coated long period fiber grating for optical sensing of ammonia. Journal of Materials Chemistry, 2011, 21, 181-186.	6.7	34

#	ARTICLE	IF	CITATIONS
163	Thermostable refractive index sensors based on whispering gallery modes in a microsphere coated with poly(methyl methacrylate). Applied Optics, 2011, 50, 992.	2.1	23
164	Design and optimization of liquid core optical ring resonator for refractive index sensing. Applied Optics, 2011, 50, 3615.	2.1	11
165	Simulation and optimization of polymer-coated microsphere resonators in chemical vapor sensing. Applied Optics, 2011, 50, 5465.	2.1	22
166	Ultrasensitive thermal sensors based on whispering gallery modes in a polymer core optical ring resonator. Applied Optics, 2011, 50, 6254.	2.1	11
167	Femtosecond laser fabricated all-optical fiber sensors with ultrahigh refractive index sensitivity: modeling and experiment. Optics Express, 2011, 19, 17591.	3.4	98
168	Numerical characterization of Yb-signal-aided cladding-pumped Er:Yb-codoped fiber amplifiers. Optics Letters, 2011, 36, 1599.	3.3	34
169	Femtosecond and nanosecond laser fabricated substrate for surface-enhanced Raman scattering. Optics Letters, 2011, 36, 3353.	3.3	19
170	A High-Quality Mach-Zehnder Interferometer Fiber Sensor by Femtosecond Laser One-Step Processing. Sensors, 2011, 11, 54-61.	3.8	52
171	Investigation on nanocrystalline copper-doped zirconia thin films for optical sensing of carbon monoxide at high temperature. Sensors and Actuators B: Chemical, 2011, 160, 533-541.	7.8	12
172	Highly Sensitive Refractive Index Optical Fiber Sensors Fabricated by a Femtosecond Laser. IEEE Photonics Journal, 2011, 3, 1189-1197.	2.0	27
173	Coaxial cable Bragg grating. Applied Physics Letters, 2011, 99, .	3.3	55
174	Nanostructured substrate with nanoparticles fabricated by femtosecond laser for surface-enhanced Raman scattering. Applied Physics A: Materials Science and Processing, 2011, 102, 415-419.	2.3	14
175	Femtosecond laser fabrication of long period fiber gratings and applications in refractive index sensing. Optics and Laser Technology, 2011, 43, 1420-1423.	4.6	71
176	Terbium doped strontium cerate enabled long period fiber gratings for high temperature sensing of hydrogen. Sensors and Actuators B: Chemical, 2011, 152, 214-219.	7.8	9
177	Ultra-Abrupt Tapered Fiber Mach-Zehnder Interferometer Sensors. Sensors, 2011, 11, 5729-5739.	3.8	66
178	A quasi-distributed optical fiber sensor network for large strain and high-temperature measurements of structures. , 2011, , .		3
179	An All-Optical Fiber Sensor Fabricated by a Femtosecond Laser for Temperature Sensing. Sensor Letters, 2011, 9, 1948-1951.	0.4	1
180	Simultaneous strain and temperature measurement using long-period fiber grating sensors. Proceedings of SPIE, 2010, , .	0.8	1

#	ARTICLE	IF	CITATIONS
181	Optical fiber sensors for high temperature harsh environment applications. , 2010, , .		2
182	Strontium cobaltite coated optical sensors for high temperature carbon dioxide detection. Sensors and Actuators B: Chemical, 2010, 144, 260-266.	7.8	30
183	A Temperature Self-Compensated LPFG Sensor for Large Strain Measurements at High Temperature. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 2997-3004.	4.7	70
184	Detection of lipid bilayer membranes formed on silica fibers by double-long period fiber grating laser refractometry. Sensors and Actuators B: Chemical, 2010, 150, 734-741.	7.8	9
185	Real-time depth measurement for micro-holes drilled by lasers. Measurement Science and Technology, 2010, 21, 025307.	2.6	20
186	An extrinsic Fabry-Pérot interferometer-based large strain sensor with high resolution. Measurement Science and Technology, 2010, 21, 105308.	2.6	50
187	Side-coupled optical fiber devices for sensing applications. , 2010, , .		1
188	Characteristics and application of phase-shifted long-period fiber grating fabricated by CO2 laser. , 2010, , .		1
189	Optical Fiber Sensors for Harsh Environment Monitoring. , 2010, , .		0
190	Thinned-cladding zeolite-coated long period fiber grating chemical sensor. , 2010, , .		0
191	Ultrasensitive chemical sensors based on whispering gallery modes in a microsphere coated with zeolite. Applied Optics, 2010, 49, 6463.	2.1	29
192	Laser-treated substrate with nanoparticles for surface-enhanced Raman scattering. Optics Letters, 2010, 35, 941.	3.3	26
193	Surface-enhanced Raman scattering microchip fabricated by femtosecond laser. Optics Letters, 2010, 35, 2937.	3.3	9
194	Fringe Visibility Enhanced Extrinsic Fabry-Pérot Interferometer Using a Graded Index Fiber Collimator. IEEE Photonics Journal, 2010, 2, 469-481.	2.0	59
195	Femtosecond laser fabrication of fiber microresonator sensors: Experiments and modeling. , 2010, , .		0
196	Optical fiber harsh environment sensors. , 2009, , .		0
197	Fourier Transform Profilometry Based on Fiber-Optic Interferometric Projection. , 2009, , .		2
198	A novel long-period fiber grating sensor for large strain measurement. Proceedings of SPIE, 2009, , .	0.8	8

#	ARTICLE	IF	CITATIONS
199	Nanocrystalline Cu-doped zirconia film-coated long-period fiber grating for CO monitoring at high temperature. Proceedings of SPIE, 2009, , .	0.8	3
200	Femtosecond laser-induced silicon surface morphology in water confinement. Microsystem Technologies, 2009, 15, 1045-1049.	2.0	7
201	Surface enhanced Raman scattering silica substrate fast fabrication by femtosecond laser pulses. Applied Physics A: Materials Science and Processing, 2009, 97, 721-724.	2.3	28
202	Zeolite thin film-coated long period fiber grating sensor for measuring trace organic vapors. Sensors and Actuators B: Chemical, 2009, 135, 420-425.	7.8	58
203	Perovskite-Type Oxide Thin Film Integrated Fiber Optic Sensor for High-Temperature Hydrogen Measurement. Analytical Chemistry, 2009, 81, 7844-7848.	6.5	37
204	Surface-enhanced Raman-scattering fiber probe fabricated by femtosecond laser. Optics Letters, 2009, 34, 2285.	3.3	53
205	Fabry-Perot interferometer embedded in a glass chip fabricated by femtosecond laser. Optics Letters, 2009, 34, 2408.	3.3	27
206	One-step fabrication of nanostructures by femtosecond laser for surface-enhanced Raman scattering. Optics Express, 2009, 17, 21581.	3.4	63
207	Fiber In-line Core-Cladding-Mode Mach-Zehnder Interferometer Fabricated by Two-Point CO <sub>2</sub> Laser Irradiations. IEEE Photonics Technology Letters, 2009, 21, 669-671.	2.5	104
208	Optical intensity-based long-period fiber grating biosensors and biomedical applications [Life Sciences]. IEEE Signal Processing Magazine, 2009, 26, 121-122, 124-127.	5.6	6
209	All-fiber optical dynamic Fourier transform profilometry. Proceedings of SPIE, 2009, , .	0.8	0
210	Miniaturized fiber in-line Fabry-Pérot interferometer for chemical sensing. Proceedings of SPIE, 2009, , .	0.8	2
211	Miniaturized Optical Fiber In-line Interferometers for Chemical Sensing. Integrated Analytical Systems, 2009, , 145-173.	0.4	0
212	Study on CO <sub>2</sub> laser irradiation-induced mode coupling for development of miniaturized interferometric sensors. Proceedings of SPIE, 2009, , .	0.8	0
213	Fiber in-line core-cladding-mode interferometer fabricated by CO <sub>2</sub> laser irradiation. , 2009, , .		1
214	Nano-structured Pd-long period fiber gratings integrated optical sensor for hydrogen detection. Sensors and Actuators B: Chemical, 2008, 134, 687-693.	7.8	86
215	Miniaturized fiber in-line Fabry-Perot interferometer fabricated with a femtosecond laser. Optics Letters, 2008, 33, 536.	3.3	234
216	Measurement of CO <sub>2</sub> -laser-irradiation-induced refractive index modulation in single-mode fiber toward long-period fiber grating design and fabrication. Applied Optics, 2008, 47, 5296.	2.1	40

#	ARTICLE	IF	CITATIONS
217	Temperature-insensitive miniaturized fiber inline Fabry-Perot interferometer for highly sensitive refractive index measurement. Optics Express, 2008, 16, 5764.	3.4	376
218	Zeolite thin film-coated long period fiber grating sensor for measuring trace chemical. Optics Express, 2008, 16, 8317.	3.4	69
219	Temperature-Insensitive Miniaturized Fiber Inline Fabry-Perot Interferometer Fabricated by Femtosecond Laser. , 2008, , .		0
220	Fabrication of long-period fiber gratings by CO <sub>2</sub> laser irradiations for high temperature applications. Proceedings of SPIE, 2007, , .	0.8	3
221	Zeolite thin film-coated long-period fiber grating sensors for detection of chemical vapors with high sensitivity. Proceedings of SPIE, 2007, , .	0.8	0
222	Highly sensitive chemical sensors by functional integration of nanoporous zeolites with photonic devices. , 2007, , .		2
223	Femtosecond Laser One-Step Microfabrication of Optical Fiber Inline Square Resonators for Chemical Sensing. , 2007, , .		1
224	Interferometric Study on the Adsorption-Dependent Refractive Index of Silicalite Thin Films Grown on Optical Fibers. Chemistry of Materials, 2006, 18, 4-6.	6.7	39
225	Nanoporous Zeolite Thin Film-Based Fiber Intrinsic Fabry-Perot Interferometric Sensor for Detection of Dissolved Organics in Water. Sensors, 2006, 6, 835-847.	3.8	24
226	Zeolite fiber integrated microsensors for highly sensitive point detection of chemical agents. , 2006, 6218, 266.		0
227	An optical-fiber-based microsensor for explosives detection. , 2006, , .		2
228	Synthesis and characterization of nanocrystalline $(Zr_{0.84}Y_{0.16})O_{1.92} \cdot (Ce_{0.85}Sm_{0.15})O_{1.925}$ heterophase thin films. Journal of Materials Research, 2006, 21, 500-504.	2.6	10
229	Optical testbed for comparative analysis of wavefront sensors. , 2005, , .		8
230	Dynamic aberration control testbed for the characterization of multiple wavefront sensors. , 2005, 6018, 226.		0
231	Fiber optic Fabry-Perot interferometric sensor interrogated by the amplified spontaneous emission of an erbium-doped fiber amplifier for geothermal applications. , 2005, 5998, 144.		0
232	Zeolite-coated optical fiber sensors for in-situ detection of organics in gas and liquid phases. , 2005, , .		2
233	Investigations on adsorption-dependent optical thickness changes of molecular sieve zeolite thin films for chemical sensor development. , 2005, , .		0
234	Zeolite-Fiber Integrated Optical Chemical Sensors for Detection of Dissolved Organics in Water. Langmuir, 2005, 21, 8609-8612.	3.5	54

#	ARTICLE	IF	CITATIONS
235	Synthesis of MFI zeolite films on optical fibers for detection of chemical vapors. Optics Letters, 2005, 30, 1270.	3.3	42
236	Fiber optic pressure sensor with self-compensation capability for harsh environment applications. Optical Engineering, 2005, 44, 054403.	1.0	20
237	Nanomaterial-enabled fiber optic gas sensor for fossil fuel energy systems. , 2004, , .		0
238	Fiber Fabry-Perot sensors for detection of partial discharges in power transformers. Applied Optics, 2003, 42, 3241.	2.1	164
239	Single-crystal sapphire fiber-based strain sensor for high-temperature applications. Journal of Lightwave Technology, 2003, 21, 2276-2283.	4.6	84
240	<title>Fiber optic pressure and temperature sensors for oil down hole application</title>. , 2002, 4578, 182.		31
241	Optical fiber sensor-based detection of partial discharges in power transformers. Optics and Laser Technology, 2001, 33, 305-311.	4.6	109
242	Miniaturized 3-D surface profilometer using a fiber optic coupler. Optics and Laser Technology, 2001, 33, 313-320.	4.6	38
243	Absolute sapphire optical fiber interferometric sensors. , 1999, 3538, 115.		2
244	Miniature high-frequency temperature-insensitive fiber optic pressure sensor for gas turbine engine applications. , 1999, , .		0
245	Miniaturized fiber optic 3D mapping system. , 1999, , .		0
246	Self-calibrated interferometric/intensity-based (SCIIB) optical fiber pressure sensor. , 1999, 3538, 21.		4
247	<title>Fiber optic white light interferometric spectrum signal processing for absolute measurements</title>. , 1999, , .		2
248	<title>Absolute sapphire optical fiber sensor for high-temperature applications</title>. , 1998, 3201, 36.		9
249	<title>Self-calibrated interferometric/intensity-based optical fiber sensors</title>. , 1998, 3201, 20.		5
250	Absolute Sapphire Optical Fiber Sensor For High Temperature Applications. , 0, , .		2
251	Theoretical analysis about the optical insertion loss of SCIIB fiber optic sensor. , 0, , .		0
252	Infrared Optical Path Adjustment Method for Common-Path Optical Coherence Tomography. Advanced Materials Research, 0, 546-547, 531-536.	0.3	0

#	ARTICLE	IF	CITATIONS
253	Assembled Singlemode and Graded Index Fibers Simulating Collimator for All Fiber Common-Path Optical Coherence Tomography. Applied Mechanics and Materials, 0, 198-199, 1167-1173.	0.2	0
254	Femtosecond Laser Processing of Glass Materials for Assembly-Free Fabrication of Photonic Microsensors. Advances in Science and Technology, 0, , .	0.2	2