

Hai Xiao

List of Publications by Year in descending order

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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	Temperature-insensitive miniaturized fiber inline Fabry-Perot interferometer for highly sensitive refractive index measurement. <i>Optics Express</i> , 2008, 16, 5764.	3.4	376
2	Miniaturized fiber inline Fabry-Perot interferometer fabricated with a femtosecond laser. <i>Optics Letters</i> , 2008, 33, 536.	3.3	234
3	Optical fiber magnetic field sensor based on single-mode“multimode”single-mode structure and magnetic fluid. <i>Optics Letters</i> , 2013, 38, 3999.	3.3	229
4	Fiber Fabry-Perot sensors for detection of partial discharges in power transformers. <i>Applied Optics</i> , 2003, 42, 3241.	2.1	164
5	High-temperature fiber-optic Fabry-Perot interferometric pressure sensor fabricated by femtosecond laser. <i>Optics Letters</i> , 2013, 38, 4609.	3.3	147
6	Optical fiber sensor-based detection of partial discharges in power transformers. <i>Optics and Laser Technology</i> , 2001, 33, 305-311.	4.6	109
7	Fiber Inline Core-Cladding-Mode Mach-Zehnder Interferometer Fabricated by Two-Point CO ₂ Laser Irradiations. <i>IEEE Photonics Technology Letters</i> , 2009, 21, 669-671.	2.5	104
8	Femtosecond laser fabricated all-optical fiber sensors with ultrahigh refractive index sensitivity: modeling and experiment. <i>Optics Express</i> , 2011, 19, 17591.	3.4	98
9	Nano-structured Pd-long period fiber gratings integrated optical sensor for hydrogen detection. <i>Sensors and Actuators B: Chemical</i> , 2008, 134, 687-693.	7.8	86
10	Spatially continuous distributed fiber optic sensing using optical carrier based microwave interferometry. <i>Optics Express</i> , 2014, 22, 18757.	3.4	85
11	Single-crystal sapphire fiber-based strain sensor for high-temperature applications. <i>Journal of Lightwave Technology</i> , 2003, 21, 2276-2283.	4.6	84
12	Polymer optical fiber for large strain measurement based on multimode interference. <i>Optics Letters</i> , 2012, 37, 4308.	3.3	75
13	Femtosecond laser fabrication of long period fiber gratings and applications in refractive index sensing. <i>Optics and Laser Technology</i> , 2011, 43, 1420-1423.	4.6	71
14	A Temperature Self-Compensated LPFG Sensor for Large Strain Measurements at High Temperature. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2010, 59, 2997-3004.	4.7	70
15	Zeolite thin film-coated long period fiber grating sensor for measuring trace chemical. <i>Optics Express</i> , 2008, 16, 8317.	3.4	69
16	In vitro study of improved wound-healing effect of bioactive borate-based glass nano-/micro-fibers. <i>Materials Science and Engineering C</i> , 2015, 55, 105-117.	7.3	67
17	Ultra-Abrupt Tapered Fiber Mach-Zehnder Interferometer Sensors. <i>Sensors</i> , 2011, 11, 5729-5739.	3.8	66
18	One-step fabrication of nanostructures by femtosecond laser for surface-enhanced Raman scattering. <i>Optics Express</i> , 2009, 17, 21581.	3.4	63

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19	All-in-fiber optofluidic sensor fabricated by femtosecond laser assisted chemical etching. Optics Letters, 2014, 39, 2358.	3.3	62
20	Microwave Interrogated Sapphire Fiber Michelson Interferometer for High Temperature Sensing. IEEE Photonics Technology Letters, 2015, 27, 1398-1401.	2.5	61
21	Fringe Visibility Enhanced Extrinsic Fabry-Perot Interferometer Using a Graded Index Fiber Collimator. IEEE Photonics Journal, 2010, 2, 469-481.	2.0	59
22	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
23	Fiber inline Michelson interferometer fabricated by a femtosecond laser. Optics Letters, 2012, 37, 4489.	3.3	57
24	Simultaneous measurement of temperature and pressure with cascaded extrinsic Fabry-Perot interferometer and intrinsic Fabry-Perot interferometer sensors. Optical Engineering, 2014, 53, 067101.	1.0	57
25	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
26	Coaxial cable Bragg grating. Applied Physics Letters, 2011, 99, .	3.3	55
27	Zeolite-Fiber Integrated Optical Chemical Sensors for Detection of Dissolved Organics in Water. Langmuir, 2005, 21, 8609-8612.	3.5	54
28	Surface-enhanced Raman-scattering fiber probe fabricated by femtosecond laser. Optics Letters, 2009, 34, 2285.	3.3	53
29	A High-Quality Mach-Zehnder Interferometer Fiber Sensor by Femtosecond Laser One-Step Processing. Sensors, 2011, 11, 54-61.	3.8	52
30	A Coaxial Cable Fabry-Perot Interferometer for Sensing Applications. Sensors, 2013, 13, 15252-15260.	3.8	52
31	An extrinsic Fabry-Perot interferometer-based large strain sensor with high resolution. Measurement Science and Technology, 2010, 21, 105308.	2.6	50
32	Fiber pigtailed thin wall capillary coupler for excitation of microsphere WGM resonator. Optics Express, 2013, 21, 15834.	3.4	45
33	Temperature compensated refractometer based on a cascaded SMS/LPFG fiber structure. Sensors and Actuators B: Chemical, 2014, 198, 384-387.	7.8	45
34	Optical fiber sensor based on a radio frequency Mach-Zehnder interferometer. Optics Letters, 2012, 37, 647.	3.3	44
35	Synthesis of MFI zeolite films on optical fibers for detection of chemical vapors. Optics Letters, 2005, 30, 1270.	3.3	42
36	Microwave interrogated large core fused silica fiber Michelson interferometer for strain sensing. Applied Optics, 2015, 54, 7181.	2.1	42

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37	Micro-cantilever-based fiber optic hydrophone fabricated by a femtosecond laser. Optics Letters, 2017, 42, 2459.	3.3	42
38	Measurement of CO ₂ -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
39	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
40	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
41	Miniaturized 3-D surface profilometer using a fiber optic coupler. Optics and Laser Technology, 2001, 33, 313-320.	4.6	38
42	Perovskite-Type Oxide Thin Film Integrated Fiber Optic Sensor for High-Temperature Hydrogen Measurement. Analytical Chemistry, 2009, 81, 7844-7848.	6.5	37
43	Turn-Around-Point Long-Period Fiber Gratings Fabricated by CO ₂ Laser Point-by-Point Irradiations. IEEE Photonics Technology Letters, 2011, 23, 1664-1666.	2.5	36
44	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
45	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
46	Theoretical aspects and sensing demonstrations of cone-shaped inwall capillary-based microsphere resonators. Photonics Research, 2017, 5, 516.	7.0	35
47	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
48	Numerical characterization of Yb-signal-aided cladding-pumped Er:Yb-codoped fiber amplifiers. Optics Letters, 2011, 36, 1599.	3.3	34
49	Microwave assisted reconstruction of optical interferograms for distributed fiber optic sensing. Optics Express, 2013, 21, 18152.	3.4	34
50	Coaxial cable Bragg grating sensors for large strain measurement with high accuracy. Proceedings of SPIE, 2012, , .	0.8	33
51	Synthesis and characterization of spinel MgAl ₂ O ₄ thin film as sapphire optical fiber cladding for high temperature applications. Thin Solid Films, 2013, 539, 81-87.	1.8	32
52	Fano resonances in cone-shaped inwall capillary based microsphere resonator. Optics Express, 2017, 25, 615.	3.4	32
53	<title>Fiber optic pressure and temperature sensors for oil down hole application</title> . , 2002, 4578, 182.		31
54	Long period fiber grating sensors coated with nano iron/silica particles for corrosion monitoring. Smart Materials and Structures, 2013, 22, 075018.	3.5	31

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55	Strontium cobaltite coated optical sensors for high temperature carbon dioxide detection. <i>Sensors and Actuators B: Chemical</i> , 2010, 144, 260-266.	7.8	30
56	Ultrasensitive chemical sensors based on whispering gallery modes in a microsphere coated with zeolite. <i>Applied Optics</i> , 2010, 49, 6463.	2.1	29
57	Fiber-Optic-Based Micro-Probe Using Hexagonal 1-in-6 Fiber Configuration for Intracellular Single-Cell pH Measurement. <i>Analytical Chemistry</i> , 2015, 87, 7171-7179.	6.5	29
58	Quantitative detection of H ₂ S and CS ₂ mixed gases based on UV absorption spectrometry. <i>RSC Advances</i> , 2017, 7, 50889-50898.	3.6	29
59	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
60	Embedded whispering-gallery mode microsphere resonator in a tapered hollow annular core fiber. <i>Photonics Research</i> , 2018, 6, 1124.	7.0	29
61	Surface enhanced Raman scattering silica substrate fast fabrication by femtosecond laser pulses. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 97, 721-724.	2.3	28
62	Reflection-based phase-shifted long period fiber grating for simultaneous measurement of temperature and refractive index. <i>Optical Engineering</i> , 2013, 52, 014404.	1.0	28
63	In-Line Fiber Michelson Interferometer for Enhancing the Q Factor of Cone-Shaped Inwall Capillary Coupled Resonators. <i>IEEE Photonics Journal</i> , 2018, 10, 1-8.	2.0	28
64	Fabry-Perot interferometer embedded in a glass chip fabricated by femtosecond laser. <i>Optics Letters</i> , 2009, 34, 2408.	3.3	27
65	Highly Sensitive Refractive Index Optical Fiber Sensors Fabricated by a Femtosecond Laser. <i>IEEE Photonics Journal</i> , 2011, 3, 1189-1197.	2.0	27
66	Turn-around point long-period fiber grating fabricated by CO ₂ laser for refractive index sensing. <i>Sensors and Actuators B: Chemical</i> , 2013, 177, 1149-1155.	7.8	27
67	Laser-treated substrate with nanoparticles for surface-enhanced Raman scattering. <i>Optics Letters</i> , 2010, 35, 941.	3.3	26
68	Quantitative analysis of SO ₂ , H ₂ S and CS ₂ 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
69	Simultaneous detection of liquid level and refractive index with a long-period fiber grating based sensor device. <i>Measurement Science and Technology</i> , 2013, 24, 095303.	2.6	25
70	Integrated chemical vapor sensor based on thin wall capillary coupled porous glass microsphere optical resonator. <i>Sensors and Actuators B: Chemical</i> , 2015, 216, 332-336.	7.8	25
71	Interferogram Reconstruction of Cascaded Coaxial Cable Fabry-Perot Interferometers for Distributed Sensing Application. <i>IEEE Sensors Journal</i> , 2016, 16, 4495-4500.	4.7	25
72	DeepPower: Non-intrusive and Deep Learning-based Detection of IoT Malware Using Power Side Channels. , 2020, , .		25

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73	Nanoporous Zeolite Thin Film-Based Fiber Intrinsic Fabry-Perot Interferometric Sensor for Detection of Dissolved Organics in Water. <i>Sensors</i> , 2006, 6, 835-847.	3.8	24
74	Comparison of Silica and Sapphire Fiber SERS Probes Fabricated by a Femtosecond Laser. <i>IEEE Photonics Technology Letters</i> , 2014, 26, 1299-1302.	2.5	24
75	Thermostable refractive index sensors based on whispering gallery modes in a microsphere coated with poly(methyl methacrylate). <i>Applied Optics</i> , 2011, 50, 992.	2.1	23
76	Reflection based extraordinary optical transmission fiber optic probe for refractive index sensing. <i>Sensors and Actuators B: Chemical</i> , 2014, 193, 95-99.	7.8	23
77	Highly efficient Er/Yb-codoped fiber amplifier with an Yb-band fiber Bragg grating. <i>Optics Letters</i> , 2015, 40, 2634.	3.3	23
78	Simulation and optimization of polymer-coated microsphere resonators in chemical vapor sensing. <i>Applied Optics</i> , 2011, 50, 5465.	2.1	22
79	First-principles electron dynamics control simulation of diamond under femtosecond laser pulse train irradiation. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 275801.	1.8	22
80	Passive Digital Sensing Method and Its Implementation on Passive RFID Temperature Sensors. <i>IEEE Sensors Journal</i> , 2021, 21, 4793-4800.	4.7	22
81	Optical microresonator based on hollow sphere with porous wall for chemical sensing. <i>Optics Letters</i> , 2012, 37, 94.	3.3	21
82	Large-strain optical fiber sensing and real-time FEM updating of steel structures under the high temperature effect. <i>Smart Materials and Structures</i> , 2013, 22, 015016.	3.5	21
83	Fiber optic pressure sensor with self-compensation capability for harsh environment applications. <i>Optical Engineering</i> , 2005, 44, 054403.	1.0	20
84	Real-time depth measurement for micro-holes drilled by lasers. <i>Measurement Science and Technology</i> , 2010, 21, 025307.	2.6	20
85	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
86	Coherence-length-gated distributed optical fiber sensing based on microwave-photonic interferometry. <i>Optics Express</i> , 2017, 25, 31362.	3.4	20
87	Femtosecond and nanosecond laser fabricated substrate for surface-enhanced Raman scattering. <i>Optics Letters</i> , 2011, 36, 3353.	3.3	19
88	Detection of Ozone and Nitric Oxide in Decomposition Products of Air-Insulated Switchgear Using Ultraviolet Differential Optical Absorption Spectroscopy (UV-DOAS). <i>Applied Spectroscopy</i> , 2018, 72, 1244-1251.	2.2	19
89	Reflection-mode micro-spherical fiber-optic probes for in vitro real-time and single-cell level pH sensing. <i>Sensors and Actuators B: Chemical</i> , 2015, 207, 571-580.	7.8	18
90	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

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91	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
92	Distributed torsion sensor based on cascaded coaxial cable Fabry-Pérot interferometers. <i>Measurement Science and Technology</i> , 2016, 27, 075103.	2.6	17
93	Stress-induced birefringence and fabrication of in-fiber polarization devices by controlled femtosecond laser irradiations. <i>Optics Express</i> , 2016, 24, 1062.	3.4	16
94	Machine learning-based microstructure prediction during laser sintering of alumina. <i>Scientific Reports</i> , 2021, 11, 10724.	3.3	16
95	Coaxial cable Bragg grating assisted microwave coupler. <i>Review of Scientific Instruments</i> , 2014, 85, 014703.	1.3	15
96	Engineering of microstructures of protonic ceramics by a novel rapid laser reactive sintering for ceramic energy conversion devices. <i>Solid State Ionics</i> , 2018, 320, 369-377.	2.7	15
97	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
98	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
99	Nanostructured substrate with nanoparticles fabricated by femtosecond laser for surface-enhanced Raman scattering. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 102, 415-419.	2.3	14
100	Multilayer fiber optic sensors for in situ gas monitoring in harsh environments. <i>Sensors and Actuators B: Chemical</i> , 2013, 177, 205-212.	7.8	14
101	Microcavity strain sensor for high temperature applications. <i>Optical Engineering</i> , 2014, 53, 017105.	1.0	14
102	Microwave-assisted frequency domain measurement of fiber-loop ring-down system. <i>Optics Letters</i> , 2017, 42, 1209.	3.3	14
103	Development of Metal-Ceramic Coaxial Cable Fabry-Pérot Interferometric Sensors for High Temperature Monitoring. <i>Sensors</i> , 2015, 15, 24914-24925.	3.8	13
104	Optical fiber Fabry-Pérot interferometer based on phase-shifting technique and birefringence crystals. <i>Optics Express</i> , 2018, 26, 21606.	3.4	13
105	A Novel Laser 3D Printing Method for the Advanced Manufacturing of Protonic Ceramics. <i>Membranes</i> , 2020, 10, 98.	3.0	13
106	Investigation on nanocrystalline copper-doped zirconia thin films for optical sensing of carbon monoxide at high temperature. <i>Sensors and Actuators B: Chemical</i> , 2011, 160, 533-541.	7.8	12
107	A Fluidic-Based High-Pressure Sensor Interrogated by Microwave Fabry-Pérot Interferometry. <i>IEEE Sensors Journal</i> , 2017, 17, 4388-4393.	4.7	12
108	Permeation and optical properties of YAG:Er ³⁺ 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

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109	Non-destructive residual pressure self-measurement method for the sensing chip of optical Fabry-Perot pressure sensor. Optics Express, 2017, 25, 31937.	3.4	12
110	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
111	Design and optimization of liquid core optical ring resonator for refractive index sensing. Applied Optics, 2011, 50, 3615.	2.1	11
112	Ultrasensitive thermal sensors based on whispering gallery modes in a polymer core optical ring resonator. Applied Optics, 2011, 50, 6254.	2.1	11
113	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
114	High-temperature fiber-optic Fabry-Perot interferometric pressure sensor fabricated by femtosecond laser: erratum. Optics Letters, 2014, 39, 17.	3.3	11
115	Modeling of Coaxial Cable Bragg Grating by Coupled Mode Theory. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 2251-2259.	4.6	11
116	Research on C4F7N gas mixture detection based on infrared spectroscopy. Sensors and Actuators A: Physical, 2019, 294, 126-132.	4.1	11
117	Synthesis and characterization of nanocrystalline (Zr _{0.84} Y _{0.16})O _{1.92} -(Ce _{0.85} Sm _{0.15})O _{1.925} heterophase thin films. Journal of Materials Research, 2006, 21, 500-504.	2.6	10
118	A metal-ceramic coaxial cable Fabry-Perot microwave interferometer for monitoring fluid dielectric constant. Sensors and Actuators A: Physical, 2017, 257, 1-7.	4.1	10
119	A microfiber half coupler for refractive index sensing. IEEE Photonics Technology Letters, 2017, , 1-1.	2.5	10
120	One-Step Fabrication of Nanocrystalline Nanonetwork SnO ₂ Gas Sensors by Integrated Multilaser Processing. Advanced Materials Technologies, 2020, 5, 2000281.	5.8	10
121	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
122	Microwave-photonic low-coherence interferometry for dark zone free distributed optical fiber sensing. Optics Letters, 2021, 46, 1173.	3.3	10
123	Absolute sapphire optical fiber sensor for high-temperature applications. , 1998, 3201, 36.		9
124	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
125	Surface-enhanced Raman scattering microchip fabricated by femtosecond laser. Optics Letters, 2010, 35, 2937.	3.3	9
126	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

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127	Control of critical coupling in a coiled coaxial cable resonator. Review of Scientific Instruments, 2014, 85, 054701.	1.3	9
128	Thick Er-doped silica films sintered using CO2 laser for scintillation applications. Optical Materials, 2017, 68, 63-69.	3.6	9
129	Laser-assisted embedding of all-glass optical fiber sensors into bulk ceramics for high-temperature applications. Optics and Laser Technology, 2020, 128, 106223.	4.6	9
130	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
131	Optical testbed for comparative analysis of wavefront sensors. , 2005, , .		8
132	A novel long-period fiber grating sensor for large strain measurement. Proceedings of SPIE, 2009, , .	0.8	8
133	Development of a Distributed Crack Sensor Using Coaxial Cable. Sensors, 2016, 16, 1198.	3.8	8
134	3D beam shape estimation based on distributed coaxial cable interferometric sensor. Smart Materials and Structures, 2017, 26, 035017.	3.5	8
135	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
136	Rapid Laser Reactive Sintering for Sustainable and Clean Preparation of Protonic Ceramics. ACS Omega, 2020, 5, 11637-11642.	3.5	8
137	Class 3D Printing of Microfluidic Pressure Sensor Interrogated by Fiber-Optic Refractometry. IEEE Photonics Technology Letters, 2020, 32, 414-417.	2.5	8
138	Femtosecond laser-induced silicon surface morphology in water confinement. Microsystem Technologies, 2009, 15, 1045-1049.	2.0	7
139	Strain monitoring of bismaleimide composites using embedded microcavity sensor. Optical Engineering, 2016, 55, 037102.	1.0	7
140	Direct inkjet printing of miniaturized luminescent YAG:Er ³⁺ from sol-gel precursor. Optical Materials, 2017, 68, 11-18.	3.6	7
141	Investigation into coaxial cable Fabry-Perot interferometers for strain measurement and crack detection in RC structures. Measurement: Journal of the International Measurement Confederation, 2019, 147, 106873.	5.0	7
142	Rapid laser reactive sintering of BaCe _{0.7} Zr _{0.1} Y _{0.1} O _{3-δ} electrolyte for protonic ceramic fuel cells. Journal of Power Sources Advances, 2020, 4, 100017.	5.1	7
143	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
144	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

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145	Development and evaluation of the coaxial cable casing imager: a cost-effective solution to real-time downhole monitoring for CO ₂ sequestration wellbore integrity. , 2017, 7, 927-941.		6
146	Additive Manufacturing of Fused Silica Glass Using Direct Laser Melting. , 2019, , .		6
147	<title>Self-calibrated interferometric/intensity-based optical fiber sensors</title>. , 1998, 3201, 20.		5
148	Optical carrier-based microwave interferometers for sensing application. Proceedings of SPIE, 2014, , .	0.8	5
149	Laboratory evaluation of distributed coaxial cable temperature sensors for application in CO ₂ sequestration well characterization. , 2016, 6, 812-823.		5
150	Distortion-tolerated high-speed FBG demodulation method using temporal response of high-gain photodetector. Optical Fiber Technology, 2018, 45, 399-404.	2.7	5
151	Position-deviation-compensation demodulation method for multi-channel polarized low-coherence interferometry. Optics Express, 2018, 26, 17407.	3.4	5
152	Distributed temperature sensing with unmodified coaxial cable based on random reflections in TDR signal. Measurement Science and Technology, 2019, 30, 015105.	2.6	5
153	Rapid Laser Processing of Thin Sr-Doped LaCrO ₃ Interconnects for Solid Oxide Fuel Cells. Energy Technology, 2020, 8, 2000364.	3.8	5
154	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
155	Self-calibrated interferometric/intensity-based (SCIIB) optical fiber pressure sensor. , 1999, 3538, 21.		4
156	Optical fiber sensors for high temperature harsh environment sensing. , 2011, , .		4
157	Radio frequency interrogated actively mode-locked fiber ring laser for sensing application. Optics Letters, 2012, 37, 494.	3.3	4
158	Laboratory Evaluation of a Real-Time Coaxial Cable Casing Imager for Wellbore Integrity Monitoring. , 2016, , .		4
159	Multi-Parameter Sensing Device to Detect Liquid Layers Using Long-Period Fiber Gratings. Sensors, 2018, 18, 3094.	3.8	4
160	Label-free in situ pH monitoring in a single living cell using an optical nanoprobe. Medical Devices & Sensors, 2020, 3, e10079.	2.7	4
161	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
162	Information integrated glass module fabricated by integrated additive and subtractive manufacturing. Optics Letters, 2020, 45, 1663.	3.3	4

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163	Fabrication of long-period fiber gratings by CO ₂ laser irradiations for high temperature applications. Proceedings of SPIE, 2007, , .	0.8	3
164	Nanocrystalline Cu-doped zirconia film-coated long-period fiber grating for CO monitoring at high temperature. Proceedings of SPIE, 2009, , .	0.8	3
165	A quasi-distributed optical fiber sensor network for large strain and high-temperature measurements of structures. , 2011, , .		3
166	Embeddable fiber optic strain sensor for structural monitoring. Proceedings of SPIE, 2013, , .	0.8	3
167	Investigation of fused tapering with inner pressurized air for microcapillary-based optical sensor. Optical Fiber Technology, 2018, 45, 244-249.	2.7	3
168	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
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170	Chemically Inert Hydrocarbon-Based Slurries for Rapid Laser Sintering of Thin Proton-Conducting Ceramics. Materials Research Bulletin, 2021, 143, 111446.	5.2	3
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