

# Minghong Yang

## List of Publications by Year in descending order

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197  
papers

3,656  
citations

109321

35  
h-index

175258

52  
g-index

199  
all docs

199  
docs citations

199  
times ranked

2375  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical fiber magnetic field sensors with TbDyFe magnetostrictive thin films as sensing materials. Optics Express, 2009, 17, 20777.	3.4	156
2	Magnetic field sensor based on magnetic fluid clad etched fiber Bragg grating. Optical Fiber Technology, 2011, 17, 210-213.	2.7	145
3	Novel optical fiber SPR temperature sensor based on MMF-PCF-MMF structure and gold-PDMS film. Optics Express, 2018, 26, 1910.	3.4	140
4	A time- and wavelength-division multiplexing sensor network with ultra-weak fiber Bragg gratings. Optics Express, 2013, 21, 22799.	3.4	106
5	Greatly etched fiber Bragg grating hydrogen sensor with Pd/Ni composite film as sensing material. Sensors and Actuators B: Chemical, 2012, 174, 253-257.	7.8	91
6	Side-polished fiber Bragg grating hydrogen sensor with WO <sub>3</sub> -Pd composite film as sensing materials. Optics Express, 2011, 19, 6141.	3.4	90
7	Optical hydrogen sensor based on etched fiber Bragg grating sputtered with Pd/Ag composite film. Optical Fiber Technology, 2013, 19, 26-30.	2.7	88
8	Optical cascaded Fabry-Pérot interferometer hydrogen sensor based on vernier effect. Optics Communications, 2018, 414, 166-171.	2.1	78
9	Simultaneous Measurement of Temperature and Relative Humidity Based on FBG and FP Interferometer. IEEE Photonics Technology Letters, 2018, 30, 833-836.	2.5	71
10	Investigation for terminal reflection optical fiber SPR glucose sensor and glucose sensitive membrane with immobilized GODs. Optics Express, 2017, 25, 3884.	3.4	70
11	Performance of fiber Bragg grating hydrogen sensor coated with Pt-loaded WO <sub>3</sub> coating. Sensors and Actuators B: Chemical, 2014, 190, 657-663.	7.8	68
12	Using Pd/WO <sub>3</sub> composite thin films as sensing materials for optical fiber hydrogen sensors. Sensors and Actuators B: Chemical, 2010, 143, 750-753.	7.8	65
13	Large temperature sensitivity of fiber-optic extrinsic Fabry-Pérot interferometer based on polymer-filled glass capillary. Optical Fiber Technology, 2013, 19, 618-622.	2.7	65
14	Hydrogen sensing performance comparison of Pd layer and Pd/WO <sub>3</sub> composite thin film coated on side-polished single- and multimode fibers. Sensors and Actuators B: Chemical, 2010, 149, 161-164.	7.8	64
15	Fiber optic hydrogen sensors with sol-gel WO <sub>3</sub> coatings. Sensors and Actuators B: Chemical, 2012, 166-167, 632-636.	7.8	62
16	Optical Fiber Grating Hydrogen Sensors: A Review. Sensors, 2017, 17, 577.	3.8	60
17	Fe-C-coated fibre Bragg grating sensor for steel corrosion monitoring. Corrosion Science, 2011, 53, 1933-1938.	6.6	58
18	Magnetic field sensor based on fiber Bragg grating with a spiral microgroove ablated by femtosecond laser. Optics Express, 2013, 21, 17386.	3.4	55

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19	Optical fiber relative-humidity sensor with evaporated dielectric coatings on fiber end-face. Optical Fiber Technology, 2014, 20, 314-319.	2.7	53
20	Optical Fiber Fabry-Perot Humidity Sensor Based on Porous Al <sub>2</sub> O <sub>3</sub> Film. IEEE Photonics Technology Letters, 2015, 27, 2127-2130.	2.5	52
21	FBG Arrays for Quasi-Distributed Sensing: A Review. Photonic Sensors, 2021, 11, 91-108.	5.0	51
22	Fiber optic hydrogen sensors: a review. Photonic Sensors, 2014, 4, 300-324.	5.0	50
23	Cascaded-Cavity Fabry-Perot Interferometric Gas Pressure Sensor based on Vernier Effect. Sensors, 2018, 18, 3677.	3.8	49
24	Femtosecond laser fabricated micro Mach-Zehnder interferometer with Pd film as sensing materials for hydrogen sensing. Optics Letters, 2012, 37, 1940.	3.3	45
25	Optical fiber hydrogen sensor based on evaporated Pt/WO <sub>3</sub> film. Sensors and Actuators B: Chemical, 2015, 206, 564-569.	7.8	43
26	Sagnac interferometer hydrogen sensor based on panda fiber with Pt-loaded WO <sub>3</sub> /SiO <sub>2</sub> coating. Optics Letters, 2016, 41, 1594.	3.3	43
27	Novel polyimide coated fiber Bragg grating sensing network for relative humidity measurements. Optics Express, 2016, 24, 3230.	3.4	42
28	Huge capacity fiber-optic sensing network based on ultra-weak draw tower gratings. Photonic Sensors, 2016, 6, 26-41.	5.0	41
29	Enhanced sensitivity of fiber Bragg grating hydrogen sensor using flexible substrate. Sensors and Actuators B: Chemical, 2014, 196, 604-609.	7.8	40
30	Review on optical fiber sensors with sensitive thin films. Photonic Sensors, 2012, 2, 14-28.	5.0	39
31	Fabry-Perot Interferometer Sensor Fabricated by Femtosecond Laser for Hydrogen Sensing. IEEE Photonics Technology Letters, 2013, 25, 713-716.	2.5	38
32	Ultra-weak FBG and its refractive index distribution in the drawing optical fiber. Optics Express, 2015, 23, 4829.	3.4	38
33	Fiber In-Line Michelson Interferometer Tip Sensor Fabricated by Femtosecond Laser. IEEE Photonics Technology Letters, 2012, 24, 2060-2063.	2.5	37
34	In-line Mach-Zehnder Interferometer and FBG with Pd film for simultaneous hydrogen and temperature detection. Sensors and Actuators B: Chemical, 2014, 202, 893-896.	7.8	37
35	Optical hydrogen sensor based on PDMS-formed double-C type cavities with embedded Pt-loaded WO <sub>3</sub> /SiO <sub>2</sub> . Sensors and Actuators B: Chemical, 2018, 276, 23-30.	7.8	35
36	Dielectric multilayer-based fiber optic sensor enabling simultaneous measurement of humidity and temperature. Optics Express, 2014, 22, 11892.	3.4	34

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37	Optical Fiber Humidity Sensor With Porous TiO <sub>2</sub> /SiO <sub>2</sub> /TiO <sub>2</sub> Coatings on Fiber Tip. IEEE Photonics Technology Letters, 2015, 27, 1495-1498.	2.5	34
38	Micro Multicavity Fabry-Pérot Interferometers Sensor in SMFs Machined by Femtosecond Laser. IEEE Photonics Technology Letters, 2013, 25, 1609-1612.	2.5	33
39	Optical fiber hydrogen sensor based on an annealing-stimulated Pd thin film. Sensors and Actuators B: Chemical, 2015, 216, 11-16.	7.8	32
40	Thin films based one-dimensional photonic crystal for humidity detection. Sensors and Actuators A: Physical, 2017, 263, 209-215.	4.1	31
41	Optical fiber Fabry-Pérot humidity sensor based on polyimide membrane: Sensitivity and adsorption kinetics. Sensors and Actuators A: Physical, 2018, 281, 48-54.	4.1	31
42	Dynamic phase extraction in high-SNR DAS based on UWFBGs without phase unwrapping using scalable homodyne demodulation in direct detection. Optics Express, 2019, 27, 10644.	3.4	30
43	A Design of Taper-Like Etched Multicore Fiber Refractive Index-Insensitive a Temperature Highly Sensitive Mach-Zehnder Interferometer. IEEE Sensors Journal, 2020, 20, 7074-7081.	4.7	29
44	Fiber Optic Hydrogen Sensor Based on Fabry-Pérot Interferometer Coated With Sol-Gel Pt/WO <sub>3</sub> Coating. Journal of Lightwave Technology, 2015, 33, 2530-2534.	4.6	28
45	Graphene-Gold-Au@Ag NPs-PDMS Films Coated Fiber Optic for Refractive Index and Temperature Sensing. IEEE Photonics Technology Letters, 2019, 31, 1205-1208.	2.5	28
46	Sensitive hydrogen sensor based on selectively infiltrated photonic crystal fiber with Pt-loaded WO <sub>3</sub> coating. Optics Letters, 2014, 39, 3872.	3.3	27
47	A Low Frequency FBG Accelerometer with Symmetrical Bended Spring Plates. Sensors, 2017, 17, 206.	3.8	27
48	Fiber-Optic Hydrogen Sensors: A Review. IEEE Sensors Journal, 2021, 21, 12706-12718.	4.7	27
49	Micro-structured femtosecond laser assisted FBG hydrogen sensor. Optics Express, 2015, 23, 31034.	3.4	26
50	Hydrogen sensor based on polymer-filled hollow core fiber with Pt-loaded WO <sub>3</sub> /SiO <sub>2</sub> coating. Sensors and Actuators B: Chemical, 2017, 245, 516-523.	7.8	26
51	Femtosecond laser fabricated in-line micro multicavity fiber FP interferometers sensor. Optics Communications, 2014, 316, 80-85.	2.1	24
52	Humidity Sensor Based on Fiber Bragg Grating Coated With Different Pore-Foaming Agent Doped Polyimides. IEEE Photonics Technology Letters, 2017, 29, 1963-1966.	2.5	24
53	FBG hydrogen sensor based on spiral microstructure ablated by femtosecond laser. Sensors and Actuators B: Chemical, 2016, 236, 392-398.	7.8	23
54	Improved performance of fiber optic hydrogen sensor based on WO <sub>3</sub> -Pd <sub>2</sub> Pt-Pt composite film and self-referenced demodulation method. Sensors and Actuators B: Chemical, 2017, 249, 210-216.	7.8	23

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55	Self-compensated microstructure fiber optic sensor to detect high hydrogen concentration. Optics Express, 2015, 23, 22826.	3.4	22
56	Gold Enhanced Hemoglobin Interaction in a Fabry-Pérot Based Optical Fiber Sensor for Measurement of Blood Refractive Index. Journal of Lightwave Technology, 2018, 36, 1118-1124.	4.6	22
57	Optical Fiber High-Temperature Sensor Based on Dielectric Films Extrinsic Fabry-Pérot Cavity. IEEE Photonics Technology Letters, 2014, 26, 2107-2110.	2.5	21
58	Water photolysis effect on the long-term stability of a fiber optic hydrogen sensor with Pt/WO <sub>3</sub> . Scientific Reports, 2016, 6, 39160.	3.3	21
59	Optical fiber-tip Fabry-Pérot interferometer for hydrogen sensing. Optics Communications, 2014, 329, 34-37.	2.1	19
60	Highly sensitive hydrogen sensor based on an in-fiber Mach-Zehnder interferometer with polymer infiltration and Pt-loaded WO <sub>3</sub> coating. Optics Express, 2021, 29, 4147.	3.4	19
61	Fabrication of high-temperature temperature sensor based on dielectric multilayer film on Sapphire fiber tip. Sensors and Actuators A: Physical, 2015, 232, 99-102.	4.1	18
62	Microstructured FBG hydrogen sensor based on Pt-loaded WO <sub>3</sub> . Optics Express, 2017, 25, 8777.	3.4	18
63	Dielectric film based optical fiber sensor using Fabry-Pérot resonant structure. Optics Communications, 2019, 430, 63-67.	2.1	18
64	Damage threshold influenced by the high absorption defect at the film-substrate interface under ultraviolet laser irradiation. Optics Letters, 2013, 38, 4308.	3.3	17
65	Underwater blast wave pressure sensor based on polymer film fiber Fabry-Pérot cavity. Applied Optics, 2014, 53, 6494.	1.8	17
66	Radiation-Resistant Optical Fiber Fabry-Perot Interferometer Used for High-Temperature Sensing. IEEE Sensors Journal, 2021, 21, 57-61.	4.7	17
67	Fiber Optical Hydrogen Sensor Based on WO <sub>3</sub> -Pd <sub>2</sub> Pt-Pt Nanocomposite Films. Nanomaterials, 2021, 11, 128.	4.1	17
68	Etched multicore fiber Bragg gratings for refractive index sensing with temperature in-line compensation. OSA Continuum, 2020, 3, 1058.	1.8	17
69	Side-polished fiber Bragg grating refractive index sensor with TbFeCo magnetoptic thin film. Journal of Applied Physics, 2010, 108, 033102.	2.5	16
70	A High-Sensitivity and Broad-Range SPR Glucose Sensor Based on Improved Glucose Sensitive Membranes. Photonic Sensors, 2019, 9, 309-316.	5.0	16
71	Effect of Different Inorganics on Polyimide-Based Bragg Grating Humidity Sensor. IEEE Sensors Journal, 2019, 19, 2016-2022.	4.7	16
72	Tapered multicore fiber interferometer for ultra-sensitive temperature sensing with thermo-optical materials. Optics Express, 2021, 29, 35765.	3.4	16

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73	Sapphire Fiber High-Temperature Tip Sensor With Multilayer Coating. IEEE Photonics Technology Letters, 2015, 27, 741-743.	2.5	15
74	Distributed Acoustic Sensor Using Broadband Weak FBG Array for Large Temperature Tolerance. IEEE Sensors Journal, 2018, 18, 2796-2800.	4.7	15
75	Thin-film-based optical fiber Fabry-Pérot interferometer used for humidity sensing. Applied Optics, 2018, 57, 2967.	1.8	15
76	Optical fiber plasmonic sensor for the ultrasensitive detection of copper (II) ion based on trimetallic Au@AgPt core-shell nanospheres. Sensors and Actuators B: Chemical, 2020, 321, 128480.	7.8	15
77	Simultaneously distributed temperature and dynamic strain sensing based on a hybrid ultra-weak fiber grating array. Optics Express, 2020, 28, 34309.	3.4	15
78	A SPR Glucose Sensor Based on Immobilized Glucose Oxidases and Silica Mesocellular Foams. IEEE Sensors Journal, 2018, 18, 2229-2235.	4.7	14
79	Improved performance of fiber optic hydrogen sensor based on MoO <sub>3</sub> by ion intercalation. Sensors and Actuators B: Chemical, 2018, 270, 333-340.	7.8	14
80	An Enhanced Distributed Acoustic Sensor With Large Temperature Tolerance Based on Ultra-Weak Fiber Bragg Grating Array. IEEE Photonics Journal, 2020, 12, 1-11.	2.0	13
81	Fabricating phase-shifted fiber Bragg grating by simple postprocessing using femtosecond laser. Optical Engineering, 2017, 56, 027108.	1.0	12
82	Fiber Bragg grating sensors with Pt-loaded WO <sub>3</sub> coatings for hydrogen concentration detection down to 200 ppm. Measurement Science and Technology, 2014, 25, 114004.	2.6	11
83	Femtosecond laser ablation of microstructures in fiber and application in magnetic field sensing. Optics Letters, 2014, 39, 1905.	3.3	11
84	Improved Performance of Fiber Bragg Hydrogen Sensors Assisted by Controllable Optical Heating System. IEEE Photonics Technology Letters, 2017, 29, 1233-1236.	2.5	11
85	Ultra-Weak Fiber Bragg Grating Sensing Network Coated with Sensitive Material for Multi-Parameter Measurements. Sensors, 2017, 17, 1509.	3.8	11
86	Thin films based one-dimensional photonic crystal for refractive index sensing. Optik, 2018, 158, 1512-1518.	2.9	11
87	Pt nanoparticles encapsulated in mesoporous tungsten oxide to enhance the repeatability of a FBG hydrogen sensor. Optical Materials Express, 2018, 8, 1493.	3.0	11
88	Performance-enhanced optical fiber hydrogen sensors based on WO <sub>3</sub> -Pd <sub>2</sub> Pt-Pt composite film with controlled optical heating. Optical Fiber Technology, 2019, 52, 101979.	2.7	11
89	Hypersensitive H <sub>2</sub> sensor based on polymer planar Bragg gratings coated with Pt-loaded WO <sub>3</sub> -SiO <sub>2</sub> . Optics Letters, 2020, 45, 3601.	3.3	11
90	Miniature Hydrogen Sensor Based on Fiber Inner Cavity and Pt-doped WO <sub>3</sub> Coating. IEEE Photonics Technology Letters, 2014, 26, 1458-1461.	2.5	10

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91	Highly Sensitive and Rapid FBG Hydrogen Sensor Using Pt-WO <sub>3</sub> With Different Morphologies. IEEE Sensors Journal, 2018, 18, 2652-2658.	4.7	10
92	Reflective optical fiber sensor based on light polarization modulation for hydrogen sensing. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 3471.	2.1	10
93	Comparison of optical fiber Bragg grating hydrogen sensors with Pd-based thin films and sol-gel WO <sub>3</sub> coatings. Measurement Science and Technology, 2013, 24, 094009.	2.6	9
94	Femtosecond Laser Ablated FBG Multitrenches for Magnetic Field Sensor Application. IEEE Photonics Technology Letters, 2015, 27, 1717-1720.	2.5	9
95	An in-line optical fiber refractometer with porous thin film coating. Sensors and Actuators B: Chemical, 2015, 209, 602-605.	7.8	9
96	Femtosecond Laser Ablated FBG with Composite Microstructure for Hydrogen Sensor Application. Sensors, 2016, 16, 2040.	3.8	9
97	Ultra-high sensitive optical fiber hydrogen sensor using self-referenced demodulation method and WO <sub>3</sub> -Pd <sub>2</sub> Pt-Pt composite film. Optics Express, 2017, 25, 2009.	3.4	9
98	2D and 3D Shape Sensing Based on 7-Core Fiber Bragg Gratings. Photonic Sensors, 2020, 10, 306-315.	5.0	9
99	Hydrogen sensing performance investigations with optical heating and sensing element surface modification. International Journal of Hydrogen Energy, 2021, 46, 1411-1419.	7.1	9
100	Advanced Fiber-Optic Relative Humidity Sensor Based on Graphene Quantum Dots Doped Polyimide Coating. IEEE Photonics Technology Letters, 2022, 34, 725-728.	2.5	9
101	Distributed acoustic sensors with wide frequency response based on UWFBG array utilizing dual-pulse detection. Optical Fiber Technology, 2021, 61, 102452.	2.7	8
102	High-sensitivity fiber optic hydrogen sensor in air by optimizing a self-referenced demodulating method. Applied Optics, 2018, 57, 8011.	1.8	7
103	A IR-Femtosecond Laser Hybrid Sensor to Measure the Thermal Expansion and Thermo-Optical Coefficient of Silica-Based FBG at High Temperatures. Sensors, 2018, 18, 359.	3.8	7
104	Tip hydrogen sensor based on liquid-filled in-fiber Fabry-Pérot interferometer with Pt-loaded WO <sub>3</sub> coating. Measurement Science and Technology, 2020, 31, 125107.	2.6	7
105	Comparison of different strategies to realize highly reflective thin film coatings at 1064nm. Infrared Physics and Technology, 2008, 51, 572-575.	2.9	6
106	Guest Editorial Special Issue on Advances in Fiber Optic Sensing Technologies. IEEE Sensors Journal, 2021, 21, 16-16.	4.7	6
107	Enhanced sensitivity of heterocore structure surface plasmon resonance sensors based on local microstructures. Optical Engineering, 2018, 57, 1.	1.0	6
108	Polar-groups-modified polyimide based on a fiber Bragg grating for relative humidity sensors. Applied Optics, 2020, 59, 2468.	1.8	6

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109	Thousands of fiber grating sensor array based on draw tower: a new platform for fiber-optic sensing. , 2018, , .		6
110	Distributed Acoustic Sensing System Based on Broadband Ultra-Weak Fiber Bragg Grating Array. , 2018, , .		6
111	Temperature and strain sensor based on a few-mode photonic crystal fiber. , 2017, , .		5
112	Strain characteristics of the silica-based fiber Bragg gratings for 30â€“273â€“K. Cryogenics, 2018, 92, 93-97.	1.7	5
113	Surface Plasmon Resonance Sensing Performance and Adsorption Law of Self-Assembly Glucose-Sensitive Membrane. IEEE Sensors Journal, 2020, 20, 610-616.	4.7	5
114	Optical fiber sensors based on Fabry-Perot multilayer coatings. Chinese Optics Letters, 2010, 8, 189-191.	2.9	5
115	Distributed Acoustic Sensing System Based on Inserting-Zero Golay Coding With Ultra-Weak Fiber Bragg Gratings. IEEE Sensors Journal, 2022, 22, 15985-15990.	4.7	5
116	Hydrogen sensor based on side-polished fiber Bragg gratings coated with thin palladium film. , 2011, , .		4
117	Refractometer based on a microslot in single-multi-single fiber fabricated by femtosecond laser. Optical Engineering, 2013, 52, 044401.	1.0	4
118	Miniature fiber-optic temperature sensor based on optical coating interference. Optik, 2017, 130, 1014-1020.	2.9	4
119	Investigations of Different Ion Intercalations on the Performance of FBC Hydrogen Sensors Based on Pt/MoO3. Sensors, 2019, 19, 4775.	3.8	4
120	Highly sensitive optical fiber sensor of carbon monoxide based on Fabryâ€“Perot interferometer and gold-based catalysts. Optical Engineering, 2019, 58, 1.	1.0	4
121	Optical Fibre Magnetic Field/Current Sensors with TbDyFe-FeNi Multilayer as Sensing Materials. Sensor Letters, 2009, 7, 576-579.	0.4	4
122	Hydrogen Performance of Side-Polished Fiber Bragg Grating Sputtered with Pd/Ag Composite Film. Sensor Letters, 2012, 10, 1434-1437.	0.4	4
123	Large-capacity and long-distance distributed acoustic sensing based on an ultra-weak fiber Bragg grating array with an optimized pulsed optical power arrangement. Optics Express, 2022, 30, 16931.	3.4	4
124	Sapphire Fiber Fabry-Perot Sensors With High Fringe Visibility. IEEE Photonics Journal, 2022, 14, 1-8.	2.0	4
125	Side-polished fiber Bragg grating hydrogen sensor with different sensitive thin films. , 2012, , .		3
126	High temperature sensor based on dielectric multilayer Fabry-Perot interferometry on Sapphire fiber tip. , 2014, , .		3



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127	Improved Sensitivity of Fiber Fabry-Perot Interferometer Based on Phase-Tracking Algorithm. IEEE Sensors Journal, 2015, 15, 5834-5838.	4.7	3
128	Ammonium Hydroxide Sensing Based on LSPR of Phosphatidylcholine-Modified Gold Nanorods. IEEE Photonics Technology Letters, 2015, 27, 2583-2586.	2.5	3
129	Distributed acoustic sensing system based on continuous wide-band ultra-weak fiber Bragg grating array. Proceedings of SPIE, 2017, , .	0.8	3
130	Development of Fiber Bragg Sensing Technologies for Industrial and Safe Applications at WUT and WUTOS. , 2017, , .		3
131	Refractive index interferometer based on SMF-MMF-TMCF-SMF structure with low temperature sensitivity. Optical Fiber Technology, 2020, 57, 102233.	2.7	3
132	A Mechanically Stable and High-Sensitivity Glucose-Sensitive Membrane Based on the Entrapping of Immobilized GODs in PVA+PEG Composite Hydrogels. IEEE Sensors Journal, 2021, 21, 193-198.	4.7	3
133	Versatile Interferometric Sensor Based on Sandwiched Grapefruit Photonic Crystal Fiber. IEEE Sensors Journal, 2021, 21, 17875-17881.	4.7	3
134	Fabry-Perot fiber-tip sensor based on an inner air cavity for refractive index sensing. Chinese Optics Letters, 2014, 12, S11202-311204.	2.9	3
135	Comparison of side-polished fiber Bragg grating hydrogen sensors sputtered with Pd/Ag and Pd/Y composite films. Proceedings of SPIE, 2012, , .	0.8	2
136	Corrosion of Fe-C coated FBG sensor and rebars: a comparative study. Proceedings of SPIE, 2012, , .	0.8	2
137	Novel FBG sensors based on cladding surface microstructures. Proceedings of SPIE, 2014, , .	0.8	2
138	Optical fiber Fabry-Perot refractive index sensor based on porous Al <sub>2</sub> O <sub>3</sub> film. Proceedings of SPIE, 2015, , .	0.8	2
139	All Fiber Grating (AFG): a new platform for fiber optic sensing technologies. Proceedings of SPIE, 2015, , .	0.8	2
140	Microfiber Bragg grating hydrogen sensor base on co-sputtered Pd/Ni composite film. Proceedings of SPIE, 2015, , .	0.8	2
141	Numerical analysis of a novel refractive index and temperature sensor based on a kagomÃ© hollow-core photonic crystal fiber. , 2016, , .		2
142	Fiber vibration sensing technologies based on draw-tower grating arrays. , 2017, , .		2
143	Improved performance of fiber-optic hydrogen sensor based on Mg-Ti alloys composite thin films. , 2019, , .		2
144	Fiber Optic Sensors Based on Nano-Films. Smart Sensors, Measurement and Instrumentation, 2017, , 1-30.	0.6	2

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145	Enhanced Sensitivity of Hetero-core Structure SPR Temperature Sensor Based on Local Microstructures. , 2018, , .		2
146	Multiport swept-wavelength interferometer with laser phase noise mitigation employing a broadband ultra-weak FBG array. Optics Letters, 2020, 45, 5913.	3.3	2
147	Distributed Vibration and Temperature Measurement for Oil Well Based on Continuous Fiber Bragg Grating Array. Springer Series in Geomechanics and Geoengineering, 2020, , 1965-1973.	0.1	2
148	Broadband-reflecting optical thin films for the far ultraviolet spectral range. Thin Solid Films, 2008, 517, 878-880.	1.8	1
149	Optical fiber humidity sensor with PVDF thin film as sensitive element. , 2010, , .		1
150	Thin film-based optical fiber sensors. , 2010, , .		1
151	Porous silicon-based optical fiber Fabry-Perot sensor for relative humidity determination. Proceedings of SPIE, 2011, , .	0.8	1
152	Magnetic field sensor based on magnetic fluid with side-polished fiber Bragg grating. Proceedings of SPIE, 2011, , .	0.8	1
153	Displacement monitoring of switch track and its slab on a bridge of high speed railway by FBG. , 2011, , .		1
154	Optical fiber hydrogen sensor based on micro interferometer. Proceedings of SPIE, 2012, , .	0.8	1
155	Condition monitoring of reciprocating compressor using FBG-based sensors in petrochemical industry. , 2012, , .		1
156	Optical fiber relative-humidity sensor using Fabry-Perot cavity formed by e-beam evaporated dielectric films. Proceedings of SPIE, 2013, , .	0.8	1
157	Ultra-highly sensitive hydrogen sensor based on fiber Fabry-Perot interferometer with Pt/WO <sub>3</sub> coating. , 2014, , .		1
158	Optic fiber hydrogen sensor based on high-low reflectivity Bragg gratings and WO <sub>3</sub> -Pd-Pt multilayer films. , 2015, , .		1
159	The continuous line-shape measurement of bridge based on tri-axis fiber optic gyro. , 2017, , .		1
160	A Refractometric Uric Acid Biosensor Based on Immobilized Uricase and PVA+PEG Composite Hydrogels. IEEE Sensors Journal, 2020, , 1-1.	4.7	1
161	Wavelength-Dependent Polarization Beam Splitter Based on Birefringent Tapered Multicore Fiber. Journal of Lightwave Technology, 2022, 40, 2128-2135.	4.6	1
162	van der Waals forces enhanced light-graphene interaction in optical microfiber polarizer. AIP Advances, 2022, 12, 045027.	1.3	1

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163	Optical Fiber Hydrogen Sensors with Pd/WO <sub>3</sub> Composite Thin Film by Magntron Co-Sputtering. , 2009, , .		0
164	Study on self-loading F-P fiber sensor micro-machined with 157-nm excimer laser. Proceedings of SPIE, 2010, , .	0.8	0
165	Optical fiber sensors with Fabry-Perot thin film coating as sensitive element. , 2010, , .		0
166	R&D on optical fiber sensors at the National Engineering Laboratory for Optic Fiber Sensing Technologies: fundamental and industrial aspects. , 2012, , .		0
167	A liquid level sensor based on fiber optic array and magnetic coupling. , 2012, , .		0
168	Research on optic fiber sensing engineering technology. Proceedings of SPIE, 2012, , .	0.8	0
169	Integration of thin films with fiber micro-structures for sensing applications. , 2013, , .		0
170	Study on side-polished plastic optical fiber used as line source. Proceedings of SPIE, 2013, , .	0.8	0
171	Fiber in-line Michelson Interferometer for refractive index sensing. , 2013, , .		0
172	Hydrogen performance of fiber Bragg grating hydrogen sensors using Pt-loaded WO <sub>3</sub> coating as sensing materials. Proceedings of SPIE, 2013, , .	0.8	0
173	Novel Optical Sensors Based on Integration of Fiber Micro-machining with Sensitive Thin Films. , 2013, , .		0
174	The 4th Asia-Pacific Optical Sensors Conference, APOS 2013. Measurement Science and Technology, 2014, 25, 110301.	2.6	0
175	Hydrogen sensing array based on weak fiber Bragg grating. , 2015, , .		0
176	New trends and applications of optical fiber sensing technologies at the NEL-FOST. Proceedings of SPIE, 2015, , .	0.8	0
177	Fe(C)-coated optical fiber sensors for corrosion alarm monitoring. Proceedings of SPIE, 2015, , .	0.8	0
178	Simultaneous Measurement of Temperature and Humidity Based on Integrative Sensor of Fiber Bragg Grating and multilayer Fraby-Perot interferometer. , 2016, , .		0
179	Measurement of interlayer pressure in micro-clearance based on photonic crystal fiber. Measurement Science and Technology, 2017, 28, 065014.	2.6	0
180	Sensitivity-enhanced temperature sensor based on metalized optical fiber grating for marine temperature monitoring. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
181	Improved performance of fiber optic hydrogen sensor based on high reflective Bragg grating and WO <sub>3</sub> /Pd/Pt composite films. , 2017, , .		0
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