Xiaoyi Bao

List of Publications by Year
in descending order

511 papers	12,406 citations	31976 53 h-index	37204 96 g-index
513 all docs	513 docs citations	513 times ranked	4325 citing authors

#	Article	IF	Citations
1	Stimulated Brillouin Scattering and Longitudinal Strain Performance of BOTDA-Based Nonuniform As$_{2}$Se$_{3}$-PMMA Tapered Fibers. Journal of Lightwave Technology, 2023, 41, 4359-4365.	4.6	0
2	Frequency-stabilized Brillouin random fiber laser enabled by self-inscribed transient population grating. Optics Letters, 2022, 47, 150.	3.3	13
3	Fabrication of high frequency SAW devices using tri-layer lift-off photolithography. Microelectronic Engineering, 2022, 253, 111671.	2.4	9
4	Measuring Velocity, Attenuation, and Reflection in Surface Acoustic Wave Cavities Through Acoustic Fabry-Pirot Spectra. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, PP, 1-1.	3.0	1
5	Acoustic Wave Coupling in Dual-Wavelength Orthogonal Polarized Brillouin Random Fiber Laser Using Polarization-Maintaining Fiber. Journal of Lightwave Technology, 2022, 40, 2541-2547.	4.6	4
6	U-shape core-offset fiber sensor with submicrostrain resolution over a 35 millistrain range. Applied Optics, 2022, 61, 1150.	1.8	6
7	Orthogonal polarization clamping and interleaving in polarization maintaining fiber random Brillouin lasers. Optics Communications, 2022, 509, 127697.	2.1	2
8	Broadband ultrasound sensing based on fused dual-core chalcogenide-PMMA microfibers. Optics Express, 2022, 30, 8847.	3.4	4
9	Sensitivity enhancement of fiber optical polarimetric sensors using self-induced nonlinear phase modulation via the Kerr effect. Optics Express, 2022, 30, 13985.	3.4	4
10	High-resolution surface acoustic wave (SAW) strain sensor based on acoustic Fabry-PÃ©rot resonance. Sensors and Actuators A: Physical, 2022, 338, 113504.	4.1	4
11	Random Number Generation by Brillouin-enhanced Four-wave-mixing in Polarization Maintaining Fiber. , 2022, , .		0
12	Single-shot hybrid CP-Ï• OTDR/CP-BOTDA system for simultaneous distributed temperature/strain sensing. , 2022, , .		1
13	Distributed temperature profile in hydrogen flame measured by telecom fiber and its durability under flame by OFDR. Optics Express, 2022, 30, 19390.	3.4	8
14	Generation of high performance optical chirped pulse for distributed strain sensing application with high strain accuracy and larger measurement range. Optics Express, 2022, 30, 18518.	3.4	1
15	Stabilizing Brillouin random laser with photon localization by feedback of distributed random fiber grating array. Optics Express, 2022, 30, 20712.	3.4	12
16	Salinity Concentration Sensing Based on a Tapered Dual-Core As₂Se₃-PMMA Hybrid Fiber. IEEE Photonics Technology Letters, 2021, 33, 181-184.	2.5	5
17	Stimulated Brillouin scattering in high-birefringence elliptical-core As₂Se₃-PMMA microfibers. Optics Letters, 2021, 46, 945.	3.3	4
18	Ultrafast Laser Processing of Optical Fibers for Sensing Applications. Sensors, 2021, 21, 1447.	3.8	19

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19	High efficiency Brillouin random fiber laser with replica symmetry breaking enabled by random fiber grating. Optics Express, 2021, 29, 6532.	3.4	19
20	Ultra-low frequency dynamic strain detection with laser frequency drifting compensation based on a random fiber grating array. Optics Letters, 2021, 46, 789.	3.3	14
21	Recent Advancements in Rayleigh Scattering-Based Distributed Fiber Sensors. Advanced Devices & Instrumentation, 2021, 2021, .	6.5	39
22	Distributed static and dynamic detection of an acoustic wave in a Brillouin random fiber laser. Photonics Research, 2021, 9, 772.	7.0	6
23	Development of femtosecond random gratings for fiber laser and sensor applications. , 2021, , .		1
24	All-optical pulse peak power stabilization and its impact in phase-OTDR vibration detection. OSA Continuum, 2021, 4, 1430.	1.8	4
25	Temperature-Insensitive Strain Sensor Based on Microsphere-Embedded Core-Offset Fiber With High Sensitivity. Journal of Lightwave Technology, 2021, 39, 2547-2551.	4.6	11
26	Acousto-Optic Comb Interrogation System for Random Fiber Grating Sensors with Sub-nm Resolution. Sensors, 2021, 21, 3967.	3.8	4
27	Review: distributed time-domain sensors based on Brillouin scattering and FWM enhanced SBS for temperature, strain and acoustic wave detection. PhotoniX, 2021, 2, 14.	13.5	30
28	Frequency sweep extension using the Kerr effect for static temperature measurement range enhancement in Chirped Pulse Ï†-OTDR. Optics Express, 2021, 29, 23202.	3.4	5
29	All-optical enhancement of minimum detectable perturbation in intensity-based fiber sensors. Optics Express, 2021, 29, 32114.	3.4	2
30	High extinction ratio optical pulse characterization method via single-photon counting. Applied Optics, 2021, 60, 20.	1.8	3
31	Detection and compensation of laser frequency noise for high resolution optical sensing. , 2021, , .		0
32	All-optical intensity fluctuation magnification using Kerr effect: erratum. Optics Express, 2021, 29, 38082.	3.4	0
33	Single-shot chirped pulse BOTDA for static and dynamic strain sensing. Optics Letters, 2021, 46, 5774.	3.3	11
34	Distributed nano-Strain Sensing Based on Random Fiber Grating Array. , 2021, , .		0
35	A novel method for distributed phase birefringence measurement based on chirped pulse Ï†-OTDR. , 2021, , .		0
36	Compact silica twisted microfiber for ultrasound sensing. , 2021, , .		0

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37	Non-destructive and distributed measurement of optical fiber diameter with nanometer resolution based on coherent forward stimulated Brillouin scattering. Light Advanced Manufacturing, 2021, 2, 1.	5.1	15
38	Combined tension-compression mÎµ sensor with 1 Îµ Î¼ resolution based on 6 non-uniform-core-offset fiber. , 2021, , .		0
39	High Spatial Resolution Opto-mechanical time-domain analysis. , 2021, , .		0
40	Acousto-optic self-heterodyne comb readout for strain sensing with random fiber grating. , 2021, , .		0
41	Simultaneous inscription of an antisymmetric long-period grating and an apodized fiber Bragg grating on a dual-core As2Se3-PMMA tapered fiber and its strain measurement. , 2021, , .		0
42	Distributed acoustic wave sensing in a Brillouin random fiber laser. , 2021, , .		0
43	Chalcogenide Taper and Its Nonlinear Effects and Sensing Applications. IScience, 2020, 23, 100802.	4.1	21
44	High spatial resolution: an integrative review of its developments on the Brillouin optical time- and correlation-domain analysis. Measurement Science and Technology, 2020, 31, 052001.	2.6	14
45	Distributed High Temperature Monitoring of SMF under Electrical Arc Discharges Based on OFDR. Sensors, 2020, 20, 6407.	3.8	12
46	Simultaneously Self-Inscribed Antisymmetric Long-Period Grating and Antisymmetric Apodized Fiber Bragg Grating in a Dual-Core As$_{2}$Se$_{3}$-PMMA Tapered Fiber. Journal of Lightwave Technology, 2020, 38, 6345-6351.	4.6	0
47	Tapered Assisted Dual Micro-Bubble-Device for Ultrasound Sensor. IEEE Photonics Technology Letters, 2020, 32, 1219-1222.	2.5	8
48	Dynamic detection of acoustic wave generated by polarization maintaining Brillouin random fiber laser. APL Photonics, 2020, 5, 096101.	5.7	9
49	Random Fiber Grating Characterization Based on OFDR and Transfer Matrix Method. Sensors, 2020, 20, 6071.	3.8	3
50	Fabrication of Multiple Superimposed Fiber Bragg Gratings for Multiple Parameter Sensing. , 2020, 4, 1-4.		1
51	High-Efficiency Random Fiber Laser Based on Strong Random Fiber Grating for MHz Ultrasonic Sensing. IEEE Sensors Journal, 2020, 20, 5885-5892.	4.7	20
52	Fiber-Optic Ultrasound Transmitter Based on Multi-Mode Interference in Curved Adhesive Waveguide. IEEE Photonics Technology Letters, 2020, 32, 325-328.	2.5	14
53	Fabrication of chirped fiber Bragg gratings in a non-uniform single-core As$_{2}$Se$_{3}$-PMMA tapered fiber. Journal of Lightwave Technology, 2020, , 1-1.	4.6	3
54	Fiber-Optic Sensor Based on Core-Offset Fused Unequal-Length Fiber Segments to Improve Ultrasound Detection Sensitivity. IEEE Sensors Journal, 2020, 20, 9148-9154.	4.7	5

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55	All-optical intensity fluctuation magnification using Kerr effect. Optics Express, 2020, 28, 3789.	3.4	9
56	Unveiling delay-time-resolved phase noise statistics of narrow-linewidth laser via coherent optical time domain reflectometry. Optics Express, 2020, 28, 6719.	3.4	12
57	Signal-to-noise ratio analysis of computational distributed fiber-optic sensing. Optics Express, 2020, 28, 9563.	3.4	4
58	Wide-range strain sensor based on Brillouin frequency and linewidth in an As₂Se₃-PMMA hybrid microfiber. Optics Express, 2020, 28, 22933.	3.4	7
59	Nonlinear resolution enhancement of an FBG based temperature sensor using the Kerr effect. Optics Express, 2020, 28, 39181.	3.4	8
60	Mode characteristic manipulation of random feedback interferometers in Brillouin random fiber laser. Optics Letters, 2020, 45, 678.	3.3	12
61	Chalcogenide microfiber-assisted silica microfiber for ultrasound detection. Optics Letters, 2020, 45, 1128.	3.3	16
62	Stimulated Brillouin scattering in a tapered dual-core As₂Se₃-PMMA fiber for simultaneous temperature and strain sensing. Optics Letters, 2020, 45, 3301.	3.3	16
63	Distributed time delay sensing in a random fiber grating array based on chirped pulse Ï†-OTDR. Optics Letters, 2020, 45, 3423.	3.3	12
64	Combined compression-tension strain sensor over 1â€‰â€‰ÂµÎµâ€“20â€‰â€‰mÎµ by using non-uniform multiple-core-offset fiber. Optics Letters, 2020, 45, 3143.	3.3	12
65	Ultracompact twisted silica taper for 20â€‰â€‰kHz to 94â€‰â€‰MHz ultrasound sensing. Optics Letters, 2020, 45, 3889.	3.3	11
66	Compact single-end pumped Brillouin random fiber laser with enhanced distributed feedback. Optics Letters, 2020, 45, 4236.	3.3	16
67	Strain measurement range enhanced chirped pulse Ï†-OTDR for distributed static and dynamic strain measurement based on random fiber grating array. Optics Letters, 2020, 45, 6110.	3.3	18
68	Opto-mechanical time-domain analysis based on coherent forward stimulated Brillouin scattering probing. Optica, 2020, 7, 176.	9.3	64
69	Performance enhancement of Brillouin sensing systems based on compressive sampling. OSA Continuum, 2020, 3, 3116.	1.8	1
70	Approach for Temperature-Sensitivity Enhancement in a Tapered Dual-Core As₂Se₃-PMMA Fiber With an Antisymmetric Long-Period Grating. Journal of Lightwave Technology, 2019, 37, 2734-2738.	4.6	6
71	Calculation Method of Brillouin Power and Frequency Coefficients for Fiber Strain and Temperature Based on Multi-Layer Segmentation. Journal of Lightwave Technology, 2019, 37, 4947-4956.	4.6	1
72	Refractive index sensing based on Brillouin scattering in a micro fiber. Applied Physics Express, 2019, 12, 082013.	2.4	9

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73	Computational distributed fiber-optic sensing. Optics Express, 2019, 27, 17069.	3.4	11
74	Precision Dynamic Sensing With Ultra-Weak Fiber Bragg Grating Arrays by Wavelength to Frequency Transform. Journal of Lightwave Technology, 2019, 37, 3526-3531.	4.6	9
75	Low-Loss Random Fiber Gratings Made With an fs-IR Laser for Distributed Fiber Sensing. Journal of Lightwave Technology, 2019, 37, 4697-4702.	4.6	35
76	10 kHz-34 MHz ultrasound detection based on a dual-core hybrid taper. APL Photonics, 2019, 4, 110805.	5.7	9
77	Time-delay signature concealed broadband gain-coupled chaotic laser with fiber random grating induced distributed feedback. Optics and Laser Technology, 2019, 109, 654-658.	4.6	15
78	Micro-Cavity Array With High Accuracy for Fully Distributed Optical Fiber Sensing. Journal of Lightwave Technology, 2019, 37, 927-932.	4.6	15
79	Trench-assisted multimode fiber used in Brillouin optical time domain sensors. Optics Express, 2019, 27, 11396.	3.4	12
80	Simultaneous generation of guided-acoustic-wave Brillouin scattering and stimulated-Brillouin-scattering in hybrid As₂Se₃-PMMA microtapers. Optics Express, 2019, 27, 13734.	3.4	8
81	Ultrasound sensing based on an in-fiber dual-cavity Fabryâ€"Perot interferometer. Optics Letters, 2019, 44, 3606.	3.3	42
82	Thermal and acoustic noise insensitive Brillouin random fiber laser based on polarization-maintaining random fiber grating. Optics Letters, 2019, 44, 4195.	3.3	16
83	High birefringent Brillouin frequency shifts in a single-mode As₂Se₃-PMMA microtaper induced by a transverse load. Optics Letters, 2019, 44, 4789.	3.3	9
84	Simultaneous generation of guided-acoustic-wave Brillouin scattering and stimulated-Brillouin-scattering in hybrid As2Se3-PMMA microtapers: errata. Optics Express, 2019, 27, 19842.	3.4	0
85	Multi-Wavelength Brillouin Random Fiber Laser via Distributed Feedback From a Random Fiber Grating. Journal of Lightwave Technology, 2018, 36, 2122-2128.	4.6	55
86	Linearly Polarized Multi-Wavelength Fiber Laser Comb via Brillouin Random Lasing Oscillation. IEEE Photonics Technology Letters, 2018, 30, 1005-1008.	2.5	9
87	Micro-structured fibers and their applications in fiber-optic sensors and random fiber lasers. Canadian Journal of Physics, 2018, 96, 359-365.	1.1	2
88	Multiwavelength Coherent Brillouin Random Fiber Laser With Ultrahigh Optical Signal-to-Noise Ratio. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-8.	2.9	22
89	Detection of Thermal Strain in Steel Rails with BOTDA. Applied Sciences (Switzerland), 2018, 8, 2013.	2.5	4
90	Orthogonal polarization switchable lasing based on axial polarization pulling of SBS in polarization-maintaining fiber. Optics Express, 2018, 26, 28385.	3.4	5

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91	Approach for temperature-insensitive strain measurement using a dual-core As₂Se₃-PMMA taper. Optics Letters, 2018, 43, 1523.	3.3	7
92	High-Sensitivity Temperature and Strain Measurement in Dual-Core Hybrid Tapers. IEEE Photonics Technology Letters, 2018, 30, 1155-1158.	2.5	16
93	Simultaneous distributed static and dynamic sensing based on ultra-short fiber Bragg gratings. Optics Express, 2018, 26, 17437.	3.4	49
94	High-speed demodulation of weak fiber Bragg gratings based on microwave photonics and chromatic dispersion. Optics Letters, 2018, 43, 2430.	3.3	19
95	Single-shot BOTDA based on an optical chirp chain probe wave for distributed ultrafast measurement. Light: Science and Applications, 2018, 7, 32.	16.6	158
96	Spatially Resolved Brillouin Spectral Hole Burning in PMF and SMF. IEEE Photonics Journal, 2018, 10, 1-8.	2.0	1
97	Simultaneous Measurement of Temperature and Strain in a Dual-Core As₂Se₃-PMMA Taper. IEEE Photonics Technology Letters, 2018, 30, 79-82.	2.5	11
98	Random Fiber Gratings Fabricated Using Fs-IR Laser for Distributed Temperature Sensor Application. , 2018, , .		4
99	150â€‰â€‰km fast BOTDA based on the optical chirp chain probe wave and Brillouin loss scheme. Optics Letters, 2018, 43, 4679.	3.3	47
100	Large-scale multiplexing of a FBG array with randomly varied characteristic parameters for distributed sensing. Optics Letters, 2018, 43, 5259.	3.3	23
101	Brillouin optical time-domain analysis via compressed sensing. Optics Letters, 2018, 43, 5496.	3.3	26
102	Linearly Polarized Multi-wavelength Comb via Rayleigh Scattering induced Brillouin Random Lasing Resonance. , 2018, , .		2
103	Sub-MHz Ultrasonic Sensor Using Fiber Laser Based on Random Fiber Grating. , 2018, , .		1
104	The Kerr phase-interrogator: exploiting the nonlinear Kerr-effect for overcoming fundamental limitations in linear sensing approaches. , 2018, , .		1
105	Spectral Polarization Spreading Behaviors in Stimulated Brillouin Scattering of Fibers. IEEE Photonics Journal, 2017, 9, 1-11.	2.0	4
106	Distributed hydrostatic pressure sensor using a thin-diameter and polarization-maintaining photonics crystal fiber based on Brillouin dynamic gratings. Proceedings of SPIE, 2017, , .	0.8	0
107	Multi-parameter fiber optic sensors based on fiber random grating. , 2017, , .		2
108	Measuring strain fields in FRP strengthened RC shear walls using a distributed fiber optic sensor. Engineering Structures, 2017, 152, 359-369.	5.3	24

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109	Introduction to the Issue on Photonics for Sensing. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 5-7.	2.9	6
110	A High-Speed Distributed Ultra-Weak FBG Sensing System With High Resolution. IEEE Photonics Technology Letters, 2017, 29, 1249-1252.	2.5	30
111	High-Speed Random Bit Generation via Brillouin Random Fiber Laser With Non-Uniform Fibers. IEEE Photonics Technology Letters, 2017, 29, 1352-1355.	2.5	13
112	Recent Development in the Distributed Fiber Optic Acoustic and Ultrasonic Detection. Journal of Lightwave Technology, 2017, 35, 3256-3267.	4.6	89
113	High-efficiency Brillouin random fiber laser using all-polarization maintaining ring cavity. Optics Express, 2017, 25, 11306.	3.4	39
114	Self-inscribed antisymmetric long-period grating in a dual-core As_2Se_3-PMMA fiber. Optics Express, 2017, 25, 12409.	3.4	15
115	Single-mode SOA-based 1kHz-linewidth dual-wavelength random fiber laser. Optics Express, 2017, 25, 15828.	3.4	60
116	Polarization dependent Brillouin frequency shift fluctuation induced by low birefringence in single mode fiber. Optics Express, 2017, 25, 31896.	3.4	9
117	Time-delay signature suppression in a chaotic semiconductor laser by fiber random grating induced random distributed feedback. Optics Letters, 2017, 42, 4107.	3.3	38
118	Highly sensitive fiber random-grating-based random laser sensor for ultrasound detection. Optics Letters, 2017, 42, 1353.	3.3	78
119	Recent Developments in Micro-Structured Fiber Optic Sensors. Fibers, 2017, 5, 3.	4.0	51
120	Multi-wavelength Coherent Brillouin Random Fiber Laser with High Optical Signal-to-Noise Ratio. , 2017, , .		3
121	Linearly polarized low-noise Brillouin random fiber laser. Optics Letters, 2017, 42, 739.	3.3	31
122	Real-time physical random bit generation at Gbps based on random fiber lasers. Optics Letters, 2017, 42, 4796.	3.3	12
123	Fiber random grating feedback induced chaos in semiconductor laser with highly suppressed time-delay signature. , 2017, , .		0
124	Random Brillouin fiber laser for tunable ultra-narrow linewidth microwave generation. Optics Letters, 2016, 41, 4839.	3.3	19
125	Temperature-compensated distributed hydrostatic pressure sensor with a thin-diameter polarization-maintaining photonic crystal fiber based on Brillouin dynamic gratings. Optics Letters, 2016, 41, 4413.	3.3	50
126	Enhancement of optical pulse extinction-ratio using the nonlinear Kerr effect for phase-OTDR. Optics Express, 2016, 24, 19424.	3.4	29

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127	Tapered fiber based Brillouin random fiber laser and its application for linewidth measurement. Optics Express, 2016, 24, 28353.	3.4	17
128	Multi-parameter sensor based on random fiber lasers. AIP Advances, 2016, 6, .	1.3	25
129	Phase-shift detection in a Fourier-transform method for temperature sensing using a tapered fiber microknot resonator. Optics Letters, 2016, 41, 1344.	3.3	1
130	Phase-shifted Brillouin dynamic gratings using single pump phase-modulation: proof of concept. Optics Express, 2016, 24, 11218.	3.4	7
131	Distributed dynamic strain measurement using optical frequency-domain reflectometry. Applied Optics, 2016, 55, 6735.	2.1	39
132	Influence of finite extinction ratio on performance of phase-sensitive optical time-domain reflectometry. Optics Express, 2016, 24, 13325.	3.4	38
133	Low-noise Brillouin random fiber laser with a random grating-based resonator. Optics Letters, 2016, 41, 3197.	3.3	38
134	1200Â°C high-temperature distributed optical fiber sensing using Brillouin optical time domain analysis. Applied Optics, 2016, 55, 5471.	2.1	32
135	Study of Ð-OTDR stability for dynamic strain measurement in piezoelectric vibration. Photonic Sensors, 2016, 6, 199-208.	5.0	18
136	Multi-parameter sensor based on stimulated Brillouin scattering in inverse-parabolic graded-index fiber. Optics Letters, 2016, 41, 1138.	3.3	32
137	Study of chromatic dispersion impact on nonlinear interaction between two sinusoidally modulated optical signals using theory of four-wave mixing. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 110.	2.1	2
138	Theoretical and Experimental Analysis of O-OTDR Based on Polarization Diversity Detection. IEEE Photonics Technology Letters, 2016, 28, 697-700.	2.5	88
139	Distributed acoustic wave detection with Rayleigh scattering. , 2016, , .		0
140	High-sensitivity distributed transverse load sensor with an elliptical-core fiber based on Brillouin dynamic gratings. Optics Letters, 2015, 40, 5003.	3.3	25
141	Dispersion characterization of group birefringence in polarization-maintaining fiber using a Kerr phase-interrogator. Proceedings of SPIE, 2015, , .	0.8	1
142	Bend-insensitive distributed sensing in singlemode-multimode-singlemode optical fiber structure by using Brillouin optical time-domain analysis. , 2015, , .		0
143	Multiwavelength Single-Longitudinal-Mode Brillouinâ€"Erbium Fiber Laser Sensor for Temperature Measurements With Ultrahigh Resolution. IEEE Photonics Journal, 2015, 7, 1-9.	2.0	11
144	Polarization dependence of the nonlinear interaction between sinusoidally modulated optical signals in a randomly birefringent optical fiber. Applied Optics, 2015, 54, 9563.	2.1	0

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145	Truly random bit generation based on a novel random Brillouin fiber laser. Optics Letters, 2015, 40, 5415.	3.3	19
146	Optical fiber random grating-based multiparameter sensor. Optics Letters, 2015, 40, 5514.	3.3	55
147	Distributed group birefringence measurement in a polarization-maintaining fiber using optical frequency-domain reflectometry. Optics Communications, 2015, 345, 62-66.	2.1	5
148	Low Frequency-Noise Random Fiber Laser With Bidirectional SBS and Rayleigh Feedback. IEEE Photonics Technology Letters, 2015, 27, 490-493.	2.5	27
149	Dispersion effects of high-order-mode fiber on temperature and axial strain discrimination. Photonic Sensors, 2015, 5, 224-234.	5.0	4
150	Incoherent Brillouin Optical Time-Domain Reflectometry With Random State Correlated Brillouin Spectrum. IEEE Photonics Journal, 2015, 7, 1-7.	2.0	13
151	Group-Delay-Based Temperature Sensing in Linearly-Chirped Fiber Bragg Gratings Using a Kerr Phase-Interrogator. Journal of Lightwave Technology, 2015, 33, 381-385.	4.6	17
152	Multi-parameter sensing based on the stimulated Brillouin scattering of higher-order acoustic modes in OAM fiber. Proceedings of SPIE, 2015, , .	0.8	2
153	Sensitivity enhancement beyond the wavelength limit in a novel sub-micron displacement sensor. Optics Express, 2015, 23, 17838.	3.4	7
154	Bend-insensitive distributed sensing in singlemode-multimode-singlemode optical fiber structure by using Brillouin optical time-domain analysis. Optics Express, 2015, 23, 22714.	3.4	31
155	Random Fabryâ€"Perot resonator-based sub-kHz Brillouin fiber laser to improve spectral resolution in linewidth measurement. Optics Letters, 2015, 40, 1920.	3.3	28
156	1200Â°C high-temperature distributed Brillouin optical fiber sensing based on photonics crystal fiber. Proceedings of SPIE, 2015, , .	0.8	0
157	High-sensitive distributed transverse load sensing based on Brillouin dynamic gratings. , 2015, , .		1
158	Frequency Response Enhancement by Periodical Nonuniform Sampling in Distributed Sensing. IEEE Photonics Technology Letters, 2015, 27, 2158-2161.	2.5	42
159	Dynamic distributed Brillouin optical fiber sensing based on multi-slope analysis. Proceedings of SPIE, 2015, , .	0.8	1
160	Chromatic-Dispersion Monitor Based on a Differential Phase-Shift Method Using a Kerr Phase-Interrogator. IEEE Photonics Journal, 2015, 7, 1-6.	2.0	8
161	Review: optical fiber sensors for civil engineering applications. Materials and Structures/Materiaux Et Constructions, 2015, 48, 871-906.	3.1	293
162	In-fiber Machâ€"Zehnder interferometric refractive index sensors with guided and leaky modes. Sensors and Actuators B: Chemical, 2015, 206, 246-251.	7.8	51

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163	Suppression of thermal frequency noise in erbium-doped fiber random lasers. Optics Letters, 2014, 39, 1038.	3.3	41
164	Long-Range High Spatial Resolution Distributed Temperature and Strain Sensing Based on Optical Frequency-Domain Reflectometry. IEEE Photonics Journal, 2014, 6, 1-8.	2.0	129
165	Random spaced index modulation for a narrow linewidth tunable fiber laser with low intensity noise. Optics Letters, 2014, 39, 2294.	3.3	42
166	Sub-MHz ultrahigh-resolution optical spectrometry based on Brillouin dynamic gratings. Optics Letters, 2014, 39, 2967.	3.3	52
167	Moment-generating function method used to accurately evaluate the impact of the linearized optical noise amplified by EDFAs. Optics Express, 2014, 22, 6620.	3.4	0
168	Chromatic-dispersion measurement by modulation phase-shift method using a Kerr phase-interrogator. Optics Express, 2014, 22, 22314.	3.4	18
169	Characterization of evolution of mode coupling in a graded-index polymer optical fiber by using Brillouin optical time-domain analysis. Optics Express, 2014, 22, 26510.	3.4	50
170	Effects of polarization on stimulated Brillouin scattering in a birefringent optical fiber. Photonics Research, 2014, 2, 126.	7.0	7
171	Displacement sensor based on Kerr induced phase-modulation of orthogonally polarized sinusoidal optical signals. Optics Express, 2014, 22, 9095.	3.4	11
172	Narrow linewidth low frequency noise Er-doped fiber ring laser based on femtosecond laser induced random feedback. Applied Physics Letters, 2014, 105, .	3.3	30
173	OTDR and OFDR for distributed multi-parameter sensing. Proceedings of SPIE, 2014, , .	0.8	4
174	Displacement measurement based on cross-phase modulation of orthogonally polarized sinusoidal optical signals. Proceedings of SPIE, 2014, , .	0.8	0
175	Tapered polarization-maintaining fiber sensor based on analysis of polarization evolution. , 2014, , .		2
176	Real distributed vibration sensing with high frequency response based on pulse pair. Proceedings of SPIE, 2014, , .	0.8	2
177	High-resolution high-sensitivity and truly distributed optical frequency domain reflectometry for structural crack detection. Proceedings of SPIE, 2014, , .	0.8	2
178	Bend-insensitive fiber based vibration sensor. Proceedings of SPIE, 2014, , .	0.8	0
179	Ultrahigh resolution optical spectrometry based on Brillouin dynamic grating. Proceedings of SPIE, 2014, , .	0.8	0
180	Characterization of high nonlinearity in Brillouin amplification in optical fibers with applications in fiber sensing and photonic logic. Photonics Research, 2014, 2, 1.	7.0	14

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181	Ultranarrow Linewidth Brillouin Fiber Laser. IEEE Photonics Technology Letters, 2014, 26, 2058-2061.	2.5	24
182	Distributed vibration/acoustic sensing with high frequency response and spatial resolution based on time-division multiplexing. Optics Communications, 2014, 331, 287-290.	2.1	16
183	Investigation of combined Brillouin gain and loss in a birefringent fiber with applications in sensing. Chinese Optics Letters, 2014, 12, 123101.	2.9	1
184	Distributed Strain and Temperature Measurement by Brillouin Beat Spectrum. IEEE Photonics Technology Letters, 2013, 25, 1050-1053.	2.5	27
185	Distributed birefringence measurement for optical fibers and fiber based devices. , 2013, , .		0
186	Compensation of temperature and strain coefficients due to local birefringence using optical frequency domain reflectometry. Optics Communications, 2013, 311, 26-32.	2.1	39
187	Distributed Temperature and Strain Discrimination with Stimulated Brillouin Scattering and Rayleigh Backscatter in an Optical Fiber. Sensors, 2013, 13, 1836-1845.	3.8	66
188	Discrimination of temperature and axial strain using dispersion effects of high-order-mode fibers. , 2013, , .		2
189	Modulated pulses based distributed vibration sensing with high frequency response and spatial resolution. Optics Express, 2013, 21, 2953.	3.4	159
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