

Yosuke Mizuno

List of Publications by Year in descending order

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274
papers

4,477
citations

136740

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155451

55
g-index

275
all docs

275
docs citations

275
times ranked

1360
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensing Applications of Polymer Optical Fiber Fuse. <i>Advanced Photonics Research</i> , 2022, 3, 2100210.	1.7	8
2	A Linear Piezoelectric Actuator Using α -A-Shaped Structure. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2022, 69, 1382-1391.	1.7	12
3	Fiber-optic temperature sensor based on inline core-cladding-mode Mach-Zehnder interferometry with dynamically controllable sensing length. <i>Applied Physics Express</i> , 2022, 15, 022002.	1.1	0
4	Wide-Dynamic-Range Brillouin Optical Correlation-Domain Reflectometry With 20-kHz Sampling Rate. <i>IEEE Sensors Journal</i> , 2022, 22, 6644-6650.	2.4	11
5	Proposal of Polarization Optical Correlation-Domain Reflectometry (POCDR). <i>Journal of Lightwave Technology</i> , 2022, 40, 5708-5715.	2.7	1
6	Strain-insensitive high-sensitivity temperature sensing based on multimode interference in a square-core fiber. <i>Japanese Journal of Applied Physics</i> , 2022, 61, 078002.	0.8	5
7	Characterization of modal interference in multi-core polymer optical fibers and its application to temperature sensing. <i>Applied Physics Express</i> , 2022, 15, 072002.	1.1	4
8	Super-simplified optical correlation-domain reflectometry. <i>Japanese Journal of Applied Physics</i> , 2022, 61, 078005.	0.8	3
9	A Rotary Ultrasonic Motor Operating in Torsional/Bending Modes With High Torque Density and High Power Density. <i>IEEE Transactions on Industrial Electronics</i> , 2021, 68, 6109-6120.	5.2	26
10	Highly Sensitive Fiber-Optic Intrinsic Electromagnetic Field Sensing. <i>Advanced Photonics Research</i> , 2021, 2, 2000078.	1.7	34
11	Spatial Resolution Enhancement of Brillouin Optical Correlation-Domain Reflectometry Using Convolutional Neural Network: Proof of Concept. <i>IEEE Access</i> , 2021, 9, 124701-124710.	2.6	8
12	Poly-Phenylene-Sulfide Wedge Transducer for Exciting Surface Acoustic Waves for Removing Droplets on a Glass Plate. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2021, 68, 3378-3385.	1.7	4
13	Brillouin optical correlation-domain reflectometry based on arbitrary waveform modulation: a theoretical study. <i>Optics Express</i> , 2021, 29, 13794.	1.7	5
14	Error compensation in Brillouin optical correlation-domain reflectometry by combining bidirectionally measured frequency shift distributions. <i>Applied Physics Express</i> , 2021, 14, 052006.	1.1	4
15	Distributed polymer optical fiber sensors: a review and outlook. <i>Photonics Research</i> , 2021, 9, 1719.	3.4	47
16	Two-end-access BOCDR for systematic error compensation. , 2021, , .		0
17	Pilot demonstration of correlation-domain LiDAR for high-speed vibration detection. <i>APL Photonics</i> , 2021, 6, .	3.0	10
18	Neural network-assisted signal processing in Brillouin optical correlation-domain sensing for potential high-speed implementation. <i>Optics Express</i> , 2021, 29, 35474.	1.7	10

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19	Non-Degraded Operation of BOCDR Using Thermally Uncontrolled DFB Laser. , 2021, , .		0
20	Spatial resolution of BOCDR based on frequency modulation by arbitrary-shaped waveforms. , 2021, , .		0
21	Piezoelectric Motor Utilizing an Alumina/PZT Transducer. IEEE Transactions on Industrial Electronics, 2020, 67, 6762-6772.	5.2	36
22	Measurement range enlargement in Brillouin optical correlation-domain reflectometry based on chirp modulation scheme. Applied Physics Express, 2020, 13, 082003.	1.1	9
23	Recent progress in slope-assisted Brillouin optical correlation-domain reflectometry. Optical Fiber Technology, 2020, 59, 102312.	1.4	6
24	Fiber-optic distributed measurement of polarization beat length using slope-assisted Brillouin optical correlation-domain reflectometry. Optical Review, 2020, 27, 542-547.	1.2	2
25	Evaluation methods for materials for power ultrasonic applications. Japanese Journal of Applied Physics, 2020, 59, SK0801.	0.8	21
26	Effect of laser temperature control on Brillouin optical correlation-domain reflectometry. Applied Physics Express, 2020, 13, 052001.	1.1	6
27	Potential of Mechanically Induced Cascaded Long-Period Grating Structure for Reflectometric Pressure, Strain, and Temperature Sensing. IEEE Sensors Journal, 2020, 20, 10539-10546.	2.4	8
28	Strain and temperature dependencies of multimodal interference spectra in hetero-core-fiber structures. Japanese Journal of Applied Physics, 2020, 59, 058002.	0.8	7
29	Characterization of cascaded forward Brillouin scattering seeded by backward stimulated Brillouin scattering in optical fibers. IEICE Electronics Express, 2020, 17, 20200139-20200139.	0.3	5
30	Pilot demonstration of correlation-domain distributed temperature sensing using forward Brillouin scattering. Japanese Journal of Applied Physics, 2020, 59, 088002.	0.8	9
31	Asia-Pacific Optical Sensors Conference: focus issue introduction. Optics Express, 2020, 28, 21745.	1.7	1
32	Enhancement in mechanical quality factors of poly phenylene sulfide under high-amplitude ultrasonic vibration through thermal annealing. Ultrasonics, 2019, 91, 52-61.	2.1	7
33	Twist dependencies of strain and temperature sensitivities of perfluorinated graded-index polymer optical fiber Bragg gratings. Applied Physics Express, 2019, 12, 082007.	1.1	7
34	Distributed Strain Measurement Using Power-Based Brillouin Sensor with Three Folded Dynamic Range. Proceedings (mdpi), 2019, 15, .	0.2	0
35	A traveling-wave ultrasonic motor utilizing a ring-shaped alumina/PZT vibrator. Smart Materials and Structures, 2019, 28, 125017.	1.8	10
36	Infrared- Thermometer-Based Detection of Optical Fiber Breakage in Structure. , 2019, , .		1

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37	Trade-off relation between strain dynamic range and spatial resolution in slope-assisted Brillouin optical correlation-domain reflectometry. <i>Measurement Science and Technology</i> , 2019, 30, 075204.	1.4	8
38	Observation of multimodal interference in millimeter-long polymer optical fibers. <i>IEICE Electronics Express</i> , 2019, 16, 20190135-20190135.	0.3	3
39	Infrared thermometry for breakage detection of optical fibers embedded in structures. <i>Applied Physics Express</i> , 2019, 12, 062007.	1.1	1
40	Potential of Discriminative Sensing of Strain and Temperature Using Perfluorinated Polymer FBG. <i>IEEE Sensors Journal</i> , 2019, 19, 4458-4462.	2.4	12
41	Anisotropy of the high-power piezoelectric properties of $\text{Pb}(\text{Zr,Ti})\text{O}_3$. <i>Journal of the American Ceramic Society</i> , 2019, 102, 6008-6017.	1.9	38
42	First demonstration of Brillouin optical correlation-domain reflectometry based on external modulation scheme. <i>Japanese Journal of Applied Physics</i> , 2019, 58, 068004.	0.8	14
43	Lorentzian demodulation algorithm for multimode polymer optical fiber Bragg gratings. <i>Japanese Journal of Applied Physics</i> , 2019, 58, 028003.	0.8	5
44	Proposal of external modulation scheme for fiber-optic correlation-domain distributed sensing. <i>Applied Physics Express</i> , 2019, 12, 022005.	1.1	16
45	Noise suppression technique for distributed Brillouin sensing with polymer optical fibers. <i>Optics Letters</i> , 2019, 44, 2097.	1.7	9
46	Enhanced stability and sensitivity of slope-assisted Brillouin optical correlation-domain reflectometry using polarization-maintaining fibers. <i>OSA Continuum</i> , 2019, 2, 874.	1.8	3
47	Brillouin Optical Correlation-Domain Reflectometry: State-of-the-Art and Future Challenges. , 2019, , .		0
48	Polymer-Based Ultrasonic Motors Utilizing High-Order Vibration Modes. <i>IEEE/ASME Transactions on Mechatronics</i> , 2018, 23, 788-799.	3.7	57
49	Displacement sensing based on modal interference in polymer optical fibers with partially applied strain. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 058002.	0.8	7
50	Long-term stability enhancement of Brillouin measurement in polymer optical fibers using amorphous fluoropolymer. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 018001.	0.8	2
51	Hydrostatic pressure dependence of Brillouin frequency shift in polymer optical fibers. <i>Applied Physics Express</i> , 2018, 11, 012502.	1.1	9
52	Detection of 2-mm-long strained section in silica fiber using slope-assisted Brillouin optical correlation-domain reflectometry. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 020303.	0.8	14
53	Phase-detected Brillouin optical correlation-domain reflectometry. <i>Optical Review</i> , 2018, 25, 473-485.	1.2	8
54	Strain dependence of perfluorinated polymer optical fiber Bragg grating measured at different wavelengths. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 038002.	0.8	12

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55	Modal-Interference-Based Displacement Sensing Using Partially Strained Plastic Optical Fibers. , 2018, , .		0
56	Highly Sensitive Slope-Assisted BOCDR Utilizing Polarization-Maintaining Fiber. , 2018, , .		0
57	Multimodal Interference in Perfluorinated Polymer Optical Fibers: Application to Ultrasensitive Strain and Temperature Sensing. IEICE Transactions on Electronics, 2018, E101.C, 602-610.	0.3	19
58	Distributed strain measurement and possible breakage detection of optical-fiber-embedded composite structure using slope-assisted Brillouin optical correlation-domain reflectometry. Applied Physics Express, 2018, 11, 072501.	1.1	8
59	Recent Advances in Brillouin Optical Correlation-Domain Reflectometry. Applied Sciences (Switzerland), 2018, 8, 1845.	1.3	13
60	Ultrasonic motors with poly phenylene sulfide/alumina/PZT triple-layered vibrators. Sensors and Actuators A: Physical, 2018, 284, 158-167.	2.0	11
61	Ultrasonic motor performance influenced by lubricant properties. Sensors and Actuators A: Physical, 2018, 282, 183-191.	2.0	9
62	Experimental observation of spontaneous depolarized guided acoustic-wave Brillouin scattering in side cores of a multicore fiber. Applied Physics Express, 2018, 11, 062502.	1.1	1
63	Bending-loss-independent operation of slope-assisted Brillouin optical correlation-domain reflectometry. Scientific Reports, 2018, 8, 7844.	1.6	8
64	Strain, temperature, moisture, and transverse force sensing using fused polymer optical fibers. Optics Express, 2018, 26, 12939.	1.7	26
65	Design and characterization of a curvature sensor using fused polymer optical fibers. Optics Letters, 2018, 43, 2539.	1.7	22
66	Vibration characteristics of polymer-based Langevin transducers. Smart Materials and Structures, 2018, 27, 095013.	1.8	8
67	Dynamic mechanical analysis on fused polymer optical fibers: towards sensor applications. Optics Letters, 2018, 43, 1754.	1.7	15
68	Distributed Brillouin Sensing Using Polymer Optical Fibers. , 2018, , 97-135.		1
69	Compact test setup for sensitivity evaluation of photoacoustic contrast agent. Acoustical Science and Technology, 2018, 39, 259-262.	0.3	5
70	Brillouin characterization of slimmed polymer optical fibers for strain sensing with extremely wide dynamic range. Optics Express, 2018, 26, 28030.	1.7	6
71	Widest-Ever Dynamic Range of Brillouin Strain Sensing Using Slimmed Plastic Optical Fibers. , 2018, , .		0
72	Refractive index sensing using ultrasonically crushed polymer optical fibers. Applied Physics Express, 2017, 10, 012201.	1.1	2

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73	Slope-Assisted Brillouin Optical Correlation-Domain Reflectometry Using Polymer Optical Fibers With High Propagation Loss. Journal of Lightwave Technology, 2017, 35, 2306-2310.	2.7	32
74	Locally pressed plastic optical fibers for refractive index sensing. Proceedings of SPIE, 2017, , .	0.8	0
75	Characterization of depolarized GAWBS for optomechanical sensing of liquids outside standard fibers. , 2017, , .		4
76	Frequency Representation: Visualization and Clustering of Acoustic Data Using Self-Organizing Maps. Ultrasonic Imaging, 2017, 39, 339-347.	1.4	0
77	Cross Effect of Strain and Temperature on Brillouin Frequency Shift in Polymer Optical Fibers. Journal of Lightwave Technology, 2017, 35, 2481-2486.	2.7	11
78	Polymer optical fiber tapering using hot water. Applied Physics Express, 2017, 10, 062502.	1.1	0
79	Temperature sensing based on multimodal interference in polymer optical fibers: Room-temperature sensitivity enhancement by annealing. Japanese Journal of Applied Physics, 2017, 56, 078002.	0.8	10
80	Slope-assisted Brillouin optical correlation-domain reflectometry using high-loss plastic optical fibers. Proceedings of SPIE, 2017, , .	0.8	0
81	Damage sensing and mechanical characteristics of CFRP strengthened steel plate. AIP Conference Proceedings, 2017, , .	0.3	0
82	Measurement sensitivity dependencies on incident power and spatial resolution in slope-assisted Brillouin optical correlation-domain reflectometry. Sensors and Actuators A: Physical, 2017, 268, 68-71.	2.0	10
83	Plastic optical fiber fuse and its impact on sensing applications. Proceedings of SPIE, 2017, , .	0.8	0
84	Operation of power-based BOCDR: Measurement sensitivity influenced by spatial resolution. , 2017, , .		0
85	Non-contact alignment-free soundness evaluation of adhesive anchors by exciting/detecting longitudinal bolt vibrations using electromagnetic acoustic waves. Acoustical Science and Technology, 2017, 38, 225-228.	0.3	1
86	Temperature sensing based on multimodal interference in plastic optical fibers: Sensitivity enhancement by annealing. , 2017, , .		1
87	Structural parameter study on polymer-based ultrasonic motor. Smart Materials and Structures, 2017, 26, 115022.	1.8	21
88	Pressure dependence of Brillouin frequency shift in plastic optical fibers. , 2017, , .		0
89	Detection of world's shortest hot spots in silica and plastic optical fibers by slope-assisted brillouin optical correlation-domain reflectometry. , 2017, , .		0
90	Long-term stability improvement of Brillouin measurement in plastic optical fibers by fresnel suppression using amorphous fluoropolymer. , 2017, , .		0

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91	Perfluorinated graded-index plastic optical fiber Bragg gratings: Observation and theoretical analysis of unique dependence on pressure. , 2017, , .		0
92	Pressure Dependence of Fiber Bragg Grating Inscribed in Perfluorinated Polymer Fiber. IEEE Photonics Technology Letters, 2017, 29, 2167-2170.	1.3	53
93	Ejection of small droplet from microplate using focused ultrasound. Japanese Journal of Applied Physics, 2017, 56, 087202.	0.8	8
94	Experimental study on depolarized GAWBS spectrum for optomechanical sensing of liquids outside standard fibers. Optics Express, 2017, 25, 2239.	1.7	57
95	Single-end-access distributed strain sensing with wide dynamic range using higher-speed Brillouin optical correlation-domain reflectometry. Japanese Journal of Applied Physics, 2017, 56, 072501.	0.8	12
96	Clarification of strain-temperature cross-sensitivity effect on Brillouin frequency shift in plastic optical fibers. , 2017, , .		0
97	Sound intensity probe for ultrasonic field in water using light-emitting diodes and piezoelectric elements. Japanese Journal of Applied Physics, 2017, 56, 127301.	0.8	1
98	Single-end-access strain and temperature sensing based on multimodal interference in polymer optical fibers. IEICE Electronics Express, 2017, 14, 20161239-20161239.	0.3	18
99	Pilot demonstration of refractive index sensing using polymer optical fiber crushed with slotted screwdriver. IEICE Electronics Express, 2017, 14, 20170962-20170962.	0.3	3
100	Dependence of Brillouin frequency shift on water absorption ratio in polymer optical fibers. Journal of Applied Physics, 2016, 119, 223102.	1.1	2
101	Optical correlation-domain reflectometry without optical frequency shifter. Applied Physics Express, 2016, 9, 032702.	1.1	24
102	Operation of slope-assisted Brillouin optical correlation-domain reflectometry: comparison of system output with actual frequency shift distribution. Optics Express, 2016, 24, 29190.	1.7	32
103	Effect of holed reflector on acoustic radiation force in noncontact ultrasonic dispensing of small droplets. Japanese Journal of Applied Physics, 2016, 55, 067302.	0.8	6
104	Brillouin Scattering in Plastic Optical Fibers and its Applications to High-Speed Distributed Sensing. , 2016, , .		0
105	Ultrahigh-speed distributed Brillouin reflectometry. Light: Science and Applications, 2016, 5, e16184-e16184.	7.7	166
106	Measurement of the optical path length difference in an interferometer using a sinusoidally frequency-modulated light source. Applied Optics, 2016, 55, 2904.	2.1	1
107	Simplified optical correlation-domain reflectometry without reference path. Applied Optics, 2016, 55, 3925.	2.1	20
108	Magnetic field sensor using a polymer-based vibrator. Measurement Science and Technology, 2016, 27, 097002.	1.4	1

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109	Ultrasonic welding of polymer optical fibres onto composite materials. Electronics Letters, 2016, 52, 1472-1474.	0.5	8
110	Observation of Brillouin gain spectrum in optical fibers in telecommunication band: Effect of pump wavelength. IEICE Electronics Express, 2016, 13, 20151066-20151066.	0.3	3
111	Traveling wave ultrasonic motor using polymer-based vibrator. Japanese Journal of Applied Physics, 2016, 55, 018001.	0.8	15
112	Characterization of Brillouin scattering in plastic optical fibers for sensing applications. , 2016, , .		0
113	Real-time displacement measurement system using phase-shifted optical pulse interferometry: Application to a seismic observation system. Japanese Journal of Applied Physics, 2016, 55, 022701.	0.8	3
114	Measurement of mechanical quality factors of polymers in flexural vibration for high-power ultrasonic application. Ultrasonics, 2016, 69, 74-82.	2.1	14
115	Observation of Backward Guided-Acoustic-Wave Brillouin Scattering in Optical Fibers Using Pump-Probe Technique. IEEE Photonics Journal, 2016, 8, 1-7.	1.0	10
116	Slope-Assisted Brillouin Optical Correlation-Domain Reflectometry: Proof of Concept. IEEE Photonics Journal, 2016, 8, 1-7.	1.0	37
117	Tribological performance of ceramics in lubricated ultrasonic motors. Wear, 2016, 352-353, 188-195.	1.5	19
118	Simplified optical correlation-domain reflectometry employing proximal reflection point. Japanese Journal of Applied Physics, 2016, 55, 128003.	0.8	10
119	Beyond-Nominal-Resolution Distributed Strain Sensing by Slope-Assisted Brillouin Optical Correlation-Domain Reflectometry. , 2016, , .		0
120	Single-End-Access Strain and Temperature Sensing Based on Multimodal Interference in Plastic Optical Fibers. , 2016, , .		0
121	Refractive index sensing using V-shaped polymer optical fibers. Japanese Journal of Applied Physics, 2015, 54, 118001.	0.8	4
122	Strain and temperature sensing based on multimode interference in partially chlorinated polymer optical fibers. IEICE Electronics Express, 2015, 12, 20141173-20141173.	0.3	17
123	Simplified optical correlation-domain reflectometry using polymer fiber. IEICE Electronics Express, 2015, 12, 20150824-20150824.	0.3	9
124	Brillouin scattering in multi-core optical fibers for sensing applications. Scientific Reports, 2015, 5, 11388.	1.6	38
125	Linear array transducer for high-power airborne ultrasound using flextensional structure. Japanese Journal of Applied Physics, 2015, 54, 07HE16.	0.8	4
126	Polarization scrambling in Brillouin optical correlation-domain reflectometry using polymer fibers. Applied Physics Express, 2015, 8, 062501.	1.1	4

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127	Distributed Force Sensing using Frequency Response of Acoustic Waveguide Made on a Rubber Substrate. <i>Physics Procedia</i> , 2015, 70, 949-952.	1.2	0
128	Plastic optical fiber tapering without using external heat source. , 2015, , .		0
129	Non-contact mass measurement of droplet based on free oscillation under ultrasonic levitation. , 2015, , .		4
130	High-performance Brillouin optical correlation-domain reflectometry. , 2015, , .		1
131	Simplified Brillouin Optical Correlation-Domain Reflectometry Using Polymer Optical Fiber. <i>IEEE Photonics Journal</i> , 2015, 7, 1-7.	1.0	14
132	Ultrasonic motors with polymer-based vibrators. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2015, 62, 2169-2178.	1.7	27
133	Influence of polarization scrambling on Brillouin optical correlation-domain reflectometry using plastic fibers. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
134	Experimental study on thermal memory effect in plastic optical fibers. , 2015, , .		0
135	Polymer optical fiber tapering without the use of external heat source and its application to refractive index sensing. <i>Applied Physics Express</i> , 2015, 8, 072501.	1.1	15
136	Simplified correlation-domain Brillouin sensor using plastic optical fiber. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
137	Thermal Memory Effect in Polymer Optical Fibers. <i>IEEE Photonics Technology Letters</i> , 2015, 27, 1394-1397.	1.3	10
138	Modal-interference-based temperature sensing using plastic optical fibers: markedly enhanced sensitivity near glass-transition temperature. , 2015, , .		0
139	Temperature dependence of Brillouin frequency shift in polymers controlled by plasticization effect. <i>Journal of Applied Physics</i> , 2015, 117, .	1.1	4
140	Drastic sensitivity enhancement of temperature sensing based on multimodal interference in polymer optical fibers. <i>Applied Physics Express</i> , 2015, 8, 072502.	1.1	19
141	Airborne ultrasonic transducer using polymer-based elastomer with high output-to-weight ratio. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 087201.	0.8	3
142	Propagation mechanism of polymer optical fiber fuse. <i>Scientific Reports</i> , 2015, 4, 4800.	1.6	22
143	Suppression of ghost correlation peak in Brillouin optical correlation-domain reflectometry. <i>Applied Physics Express</i> , 2014, 7, 112501.	1.1	7
144	Fresnel-assisted self-heterodyne detection for Brillouin gain spectrum characterisation in polymer optical fibres. <i>Electronics Letters</i> , 2014, 50, 1153-1155.	0.5	11

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145	Spiral Propagation of Polymer Optical Fiber Fuse Accompanied by Spontaneous Burst and Its Real-Time Monitoring Using Brillouin Scattering. IEEE Photonics Journal, 2014, 6, 1-7.	1.0	10
146	Ultra-Sensitive Strain and Temperature Sensing Based on Modal Interference in Perfluorinated Polymer Optical Fibers. IEEE Photonics Journal, 2014, 6, 1-7.	1.0	40
147	Simplified Configuration of Brillouin Optical Correlation-Domain Reflectometry. IEEE Photonics Journal, 2014, 6, 1-7.	1.0	10
148	Alternative Implementation of Simplified Brillouin Optical Correlation-Domain Reflectometry. IEEE Photonics Journal, 2014, 6, 1-8.	1.0	8
149	Distributed Brillouin Sensing With Centimeter-Order Spatial Resolution in Polymer Optical Fibers. Journal of Lightwave Technology, 2014, 32, 3999-4003.	2.7	59
150	Ultra-Simple Setup for Distributed Brillouin Sensing. , 2014, , .		0
151	Discriminative strain and temperature measurement using Brillouin scattering and fluorescence in erbium-doped optical fiber. Optics Express, 2014, 22, 24706.	1.7	17
152	Can lubricant enhance the torque of ultrasonic motors? An experimental investigation. Applied Physics Letters, 2014, 105, .	1.5	10
153	Observation of polymer optical fiber fuse. Applied Physics Letters, 2014, 104, 043302.	1.5	41
154	Observation of Brillouin gain spectrum in tapered polymer optical fiber. Journal of Applied Physics, 2014, 115, 173108.	1.1	14
155	Brillouin frequency shift hopping in polymer optical fiber. Applied Physics Letters, 2014, 105, .	1.5	23
156	Fiber-Optic Interferometry Using Narrowband Light Source and Electrical Spectrum Analyzer: Influence on Brillouin Measurement. Journal of Lightwave Technology, 2014, 32, 4734-4740.	2.7	8
157	Ultrasonic motors with polymer vibrator. , 2014, , .		2
158	Discriminative measurement of strain and temperature using Brillouin scattering and fluorescence in erbium-doped optical fiber. , 2014, , .		0
159	Ultrasonic splicing of polymer optical fibres. Electronics Letters, 2014, 50, 1384-1386.	0.5	2
160	Distributed strain and temperature sensing based on Brillouin scattering in plastic optical fibers. , 2014, , .		0
161	First observation of fiber fuse phenomenon in polymer optical fibers. , 2014, , .		0
162	Wide-range temperature dependences of Brillouin scattering properties in polymer optical fiber. Japanese Journal of Applied Physics, 2014, 53, 042502.	0.8	32

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163	Evaluation of Brillouin frequency shift and its temperature dependence in poly(pentafluorostyrene)-based polymer optical fibers by ultrasonic pulse-echo technique. Proceedings of SPIE, 2014, , .	0.8	0
164	First observation of Brillouin scattering in tapered plastic optical fiber. , 2014, , .		1
165	Measurement of elastic wave propagation velocity near tissue surface by optical coherence tomography and laser Doppler velocimetry. Japanese Journal of Applied Physics, 2014, 53, 07KF05.	0.8	17
166	Fiber-optic ultrasonic hydrophone using short Fabry-Pérot cavity with multilayer reflectors deposited on small stub. Ultrasonics, 2014, 54, 1047-1051.	2.1	30
167	Plate-shaped non-contact ultrasonic transporter using flexural vibration. Ultrasonics, 2014, 54, 455-460.	2.1	13
168	Non-contact piezoelectric rotary motor modulated by giant electrorheological fluid. Sensors and Actuators A: Physical, 2014, 217, 124-128.	2.0	27
169	Dependence of Brillouin frequency shift on temperature in poly(pentafluorostyrene)-based polymer optical fibers estimated by acoustic velocity measurement. IEICE Electronics Express, 2014, 11, 20140285-20140285.	0.3	2
170	Brillouin signal amplification in pumped erbium-doped optical fiber. IEICE Electronics Express, 2014, 11, 20140627-20140627.	0.3	2
171	Ultrasonic Actuators. ieice Ess Fundamentals Review, 2014, 7, 249-255.	0.1	1
172	Measurement of large-strain dependence of optical propagation loss in perfluorinated polymer fibers for use in seismic diagnosis. IEICE Electronics Express, 2014, 11, 20140707-20140707.	0.3	21
173	Brillouin Light Scattering in Plastic Fibers. , 2014, , .		0
174	Ultra-Sensitive Strain and Temperature Sensing Based on Single-Mode-Multimode-Single-Mode Structure Comprising Perfluorinated Plastic Optical Fibers. , 2014, , .		0
175	Behavior of Ultrasonically Levitated Object above Reflector Hole. Japanese Journal of Applied Physics, 2013, 52, 100201.	0.8	7
176	Characterization of Stimulated Brillouin Scattering in Polymer Optical Fibers Based on Lock-in-Free Pump-Probe Technique. Journal of Lightwave Technology, 2013, 31, 3162-3166.	2.7	11
177	An ultrasonic motor using thrust bearing for friction drive with lubricant. , 2013, , .		4
178	Surface acoustic wave velocity mapping of tissue samples using scanning laser Doppler velocimeter. , 2013, , .		0
179	Estimation of absolute sound pressure in a small-sized sonochemical reactor. Ultrasonics Sonochemistry, 2013, 20, 468-471.	3.8	3
180	Observation and characterization of stimulated Brillouin gain spectra in plastic optical fibers. Proceedings of SPIE, 2013, , .	0.8	0

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181	L-BOFDA: a new sensor technique for distributed Brillouin sensing. , 2013, , .		15
182	Enhancement of Brillouin scattering signal in pumped erbium-doped optical fiber. Proceedings of SPIE, 2013, , .	0.8	0
183	Brillouin scattering signal in polymer optical fiber enhanced by exploiting pulsed pump with multimode-fiber-assisted coupling technique. Optics Letters, 2013, 38, 1467.	1.7	28
184	Brillouin gain spectrum dependences on temperature and strain in erbium-doped optical fibers with different erbium concentrations. Applied Physics Letters, 2013, 102, 191906.	1.5	11
185	Improved technique for etching overcladding layer of perfluorinated polymer optical fibre by chloroform and water. Electronics Letters, 2013, 49, 1630-1632.	0.5	5
186	Polarisation state optimisation in observing Brillouin scattering signal in polymer optical fibres. Electronics Letters, 2013, 49, 56-57.	0.5	16
187	Observation of stimulated Brillouin scattering in silica graded-index multimode optical fibre based on pump-probe technique. Electronics Letters, 2013, 49, 366-367.	0.5	2
188	RGB representation of two-dimensional multi-spectral acoustic data for object surface profile imaging. Measurement Science and Technology, 2013, 24, 105401.	1.4	7
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