

Romeo Bernini

List of Publications by Year in descending order

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188
papers

3,485
citations

159585

30
h-index

168389

53
g-index

194
all docs

194
docs citations

194
times ranked

2717
citing authors

#	ARTICLE	IF	CITATIONS
1	Quasi-Distributed Refractive Index Sensing by Stimulated Brillouin Scattering in Tapered Optical Fibers. <i>Journal of Lightwave Technology</i> , 2022, 40, 2619-2624.	4.6	13
2	Power Coupling Between Light Diffusing Fibers: Modelling and Validation. <i>Journal of Lightwave Technology</i> , 2022, 40, 813-821.	4.6	6
3	Combining micro-optics and integrated optics: a case study on bulk resonators. , 2022, , .		0
4	An integrated device for fast and sensitive immunosuppressant detection. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 3243-3255.	3.7	6
5	Planar Optofluidic Integration of Ring Resonator and Microfluidic Channels. <i>Micromachines</i> , 2022, 13, 1028.	2.9	2
6	Portable Fluorescence Sensor for Organic Contaminants and Cyanobacterial Detection in Waters. <i>Lecture Notes in Electrical Engineering</i> , 2021, , 77-83.	0.4	0
7	All-polymeric high-Q optofluidic Fabry-Pérot resonator. <i>Optics Letters</i> , 2021, 46, 352.	3.3	3
8	Light diffusing fibers for liquid level sensing. , 2021, , .		1
9	Continuous Liquid Level Sensor Based on Coupled Light Diffusing Fibers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2020, 26, 1-8.	2.9	8
10	UV Autofluorescence Spectroscopy for Cyanobacteria Monitoring and Discrimination in Source Water. <i>Lecture Notes in Electrical Engineering</i> , 2020, , 247-252.	0.4	0
11	Spectral discrimination of planktonic cyanobacteria and microalgae based on deep UV fluorescence. <i>Sensors and Actuators B: Chemical</i> , 2019, 284, 228-235.	7.8	8
12	A waveguide absorption filter for fluorescence measurements. <i>Sensors and Actuators B: Chemical</i> , 2019, 281, 90-95.	7.8	2
13	Waveguide-based coupling of coated micro-spherical resonators. , 2019, , .		0
14	High spatial resolution physical and chemical sensing based on BOFDA. , 2019, , .		2
15	High numerical aperture waveguide absorption filter for fluorescence detection. , 2019, , .		0
16	Hollow-Core-Integrated Optical Waveguides for Mid-IR Sensors. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2018, 24, 1-8.	2.9	5
17	Selective coupling of Whispering Gallery Modes in film coated micro-resonators. <i>Optics Express</i> , 2018, 26, 11737.	3.4	5
18	Refractive index sensing by Brillouin scattering in side-polished optical fibers. <i>Optics Letters</i> , 2018, 43, 2280.	3.3	21

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19	Self-assembling and packaging of microbottle resonators for all-polymer lab-on-chip platform. Sensors and Actuators A: Physical, 2018, 280, 271-276.	4.1	13
20	Real Time Flow-Through Biosensor. Lecture Notes in Electrical Engineering, 2018, , 177-182.	0.4	0
21	Glass-based microresonators. , 2018, , .		0
22	Optical fiber fuel level sensor for aeronautical applications. Sensors and Actuators A: Physical, 2017, 260, 1-9.	4.1	18
23	Simultaneous strain and temperature measurements using dual-wavelength BOTDA. Proceedings of SPIE, 2017, , .	0.8	1
24	Novel fluorescence-based POCT platform for therapeutic drug monitoring in transplanted patients (Conference Presentation). , 2017, , .		0
25	Multifunctional optofluidic lab-on-chip platform for Raman and fluorescence spectroscopic microfluidic analysis. Lab on A Chip, 2017, 17, 2631-2639.	6.0	25
26	Roadmap for optofluidics. Journal of Optics (United Kingdom), 2017, 19, 093003.	2.2	78
27	Experimental demonstration of a Brillouin optical frequency-domain reflectometry (BOFDR) sensor. , 2017, , .		2
28	Intensity-based plastic optical fiber sensor with molecularly imprinted polymer sensitive layer. Sensors and Actuators B: Chemical, 2017, 241, 534-540.	7.8	23
29	Liquid Core ARROW Waveguides: A Promising Photonic Structure for Integrated Optofluidic Microsensors. Micromachines, 2016, 7, 47.	2.9	27
30	Proposal of Brillouin optical frequency-domain reflectometry (BOFDR). Optics Express, 2016, 24, 29994.	3.4	72
31	Novel Optical Chemical Sensor Based on Molecularly Imprinted Polymer Inside a Trench Micro-machined in Double Plastic Optical Fiber. Procedia Engineering, 2016, 168, 363-366.	1.2	1
32	Brillouin Optical Time Domain Analysis in Silica Fibers at 850-nm Wavelength. IEEE Photonics Technology Letters, 2016, 28, 2577-2580.	2.5	6
33	Water monitoring by optofluidic Raman spectroscopy for in situ applications. Talanta, 2016, 155, 145-152.	5.5	13
34	Plasma functionalization procedure for antibody immobilization for SU-8 based sensor. Biosensors and Bioelectronics, 2016, 86, 827-833.	10.1	27
35	A PDMS photonic crystal slab for THz sensing. , 2016, , .		1
36	Heterodyne slope-assisted Brillouin optical time-domain analysis for dynamic strain measurements. Journal of Optics (United Kingdom), 2016, 18, 025606.	2.2	16

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37	Planar Silicon-Polydimethylsiloxane Optofluidic Ring Resonator Sensors. IEEE Photonics Technology Letters, 2016, 28, 155-158.	2.5	18
38	Whispering gallery modes in self-assembled bottle microresonators coupled to planar waveguide. Proceedings of SPIE, 2016, , .	0.8	2
39	Analysis of SNR penalty in Brillouin optical time-domain analysis sensors induced by laser source phase noise. Journal of Optics (United Kingdom), 2016, 18, 025601.	2.2	11
40	Polymeric Ring Resonators for Label-Free Biosensing. , 2015, , .		0
41	A fuel level sensor for aeronautical applications. Proceedings of SPIE, 2015, , .	0.8	0
42	Flow through ring resonator sensing platform. RSC Advances, 2015, 5, 70156-70162.	3.6	14
43	Optofluidic jet waveguide enhanced Raman spectroscopy. Sensors and Actuators B: Chemical, 2015, 207, 732-739.	7.8	17
44	Optofluidic Approaches for Enhanced Microsensor Performances. Sensors, 2015, 15, 465-484.	3.8	31
45	Fabrication and optimization of su-8 microring resonators. , 2015, , .		0
46	Micro flow cytometer with self-aligned 3D hydrodynamic focusing. Biomedical Optics Express, 2015, 6, 54.	2.9	31
47	Optical heterogeneous bioassay for the detection of the inflammatory biomarker suPAR. , 2015, , .		1
48	Silicon-PDMS optofluidic integration. , 2015, , .		0
49	Structural Damage Identification in an Aluminum Composite Plate by Brillouin Sensing. IEEE Sensors Journal, 2015, 15, 659-660.	4.7	11
50	A Point-of-Care Device for Immunosuppressants Monitoring in Transplanted Patients. Lecture Notes in Electrical Engineering, 2015, , 27-31.	0.4	3
51	Design and Optimization of an Optofluidic Ring Resonator Based on Liquid-Core Hybrid ARROWS. IEEE Photonics Journal, 2014, 6, 1-14.	2.0	8
52	Liquid jet waveguide for Raman spectroscopy. , 2014, , .		0
53	Optical Monitoring of Therapeutic Drugs with a Novel Fluorescence- Based POCT Device. Procedia Engineering, 2014, 87, 392-395.	1.2	18
54	A hybrid silicon-PDMS optofluidic platform for sensing applications. Biomedical Optics Express, 2014, 5, 417.	2.9	45

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55	Experimental and numerical study on stimulated Brillouin scattering in a graded-index multimode fiber. <i>Optics Express</i> , 2014, 22, 17480.	3.4	37
56	Novel Approaches for CM-Scale Resolution and Long-Range Sensing by Stimulated Brillouin Scattering in Optical Fibers. <i>Lecture Notes in Electrical Engineering</i> , 2014, , 333-336.	0.4	0
57	Polymer based planar coupling of self-assembled bottle microresonators. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	29
58	Distributed optical fiber sensors for integrated monitoring of railway infrastructures. , 2014, , .		4
59	Brillouin optical frequency domain analysis in polymer optical fiber. , 2014, , .		0
60	Microfluidic Optical Methods: A Review. <i>Handbook of Environmental Chemistry</i> , 2014, , 257-278.	0.4	1
61	Distributed Temperature Sensing in Polymer Optical Fiber by BOFDA. <i>IEEE Photonics Technology Letters</i> , 2014, 26, 387-390.	2.5	89
62	Liquid jet waveguide for spectroscopic sensors. , 2014, , .		0
63	Modal analysis of an aluminum rectangular plate by use of the balanced-detection DPP-BOTDA method. , 2014, , .		0
64	Analysis of the Brillouin gain spectrum in a graded-index multimode fiber. , 2014, , .		2
65	High-Spatial Resolution DPP-BOTDA by Real-Time Balanced Detection. <i>IEEE Photonics Technology Letters</i> , 2014, 26, 1251-1254.	2.5	12
66	Optofluidic hybrid platform with integrated solid core waveguides. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
67	A newly designed optical biochip for a TDM-POCT device. , 2014, , .		3
68	Design of a hybrid optofluidic ring resonator. , 2014, , .		0
69	Distributed optical fiber sensors for integrated monitoring of railway infrastructures. <i>Structural Monitoring and Maintenance</i> , 2014, 1, 173-182.	1.7	4
70	Polymer Microflow Cytofluorometer. <i>Lecture Notes in Electrical Engineering</i> , 2014, , 223-226.	0.4	0
71	Water-Jet Waveguide for Fluorescence Spectroscopy. <i>Lecture Notes in Electrical Engineering</i> , 2014, , 255-259.	0.4	0
72	Optofluidics: a new tool for sensing. , 2013, , .		4

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73	Bend-Induced Brillouin Frequency Shift Variation in a Single-Mode Fiber. IEEE Photonics Technology Letters, 2013, 25, 2362-2364.	2.5	22
74	Integrated liquid jet waveguide for fluorescence spectroscopy on chip. , 2013, , .		0
75	Optofluidic fiber optic. , 2013, , .		0
76	Railway traffic monitoring using Brillouin distributed sensors. , 2013, , .		3
77	Real-time monitoring of railway traffic using slope-assisted Brillouin distributed sensors. Applied Optics, 2013, 52, 3770.	1.8	58
78	High sensitivity UV fluorescence spectroscopy based on an optofluidic jet waveguide. Optics Express, 2013, 21, 24219.	3.4	26
79	Experimental modal analysis of an aluminum rectangular plate by use of the slope-assisted BOTDA method. Smart Materials and Structures, 2013, 22, 125035.	3.5	9
80	Limitations and strategies to improve measurement accuracy in differential pulse-width pair Brillouin optical time-domain analysis sensing. Applied Optics, 2013, 52, 3020.	1.8	3
81	Modal analysis of a cantilever beam by use of the slope-assisted BOTDA method for damage identification. Proceedings of SPIE, 2013, , .	0.8	1
82	Low Level Detection of Organic Compounds Based on Autofluorescence in Optofluidic Liquid Jet Waveguide. , 2013, , .		0
83	Optofluidic jet waveguide for laser-induced fluorescence spectroscopy. Optics Letters, 2012, 37, 5115.	3.3	15
84	Optofluidics: waveguides and devices. Proceedings of SPIE, 2012, , .	0.8	0
85	High-Spatial- and Spectral-Resolution Time-Domain Brillouin Distributed Sensing by Use of Two Frequency-Shifted Optical Beam Pairs. IEEE Photonics Journal, 2012, 4, 1900-1908.	2.0	4
86	Optofluidic silicon-polymer integrated waveguides. , 2012, , .		0
87	Micro flow cytometer with 3D hydrodynamic focusing. , 2012, , .		2
88	Integrated tunable liquid optical fiber. Lab on A Chip, 2012, 12, 3670.	6.0	20
89	Hybrid Silicon-PDMS Optofluidic ARROW Waveguide. IEEE Photonics Technology Letters, 2012, 24, 1307-1309.	2.5	17
90	Long term structural health monitoring by Brillouin fibre-optic sensing: a real case. Journal of Geophysics and Engineering, 2012, 9, S64-S69.	1.4	31

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91	Spatial Resolution Enhancement in Preactivated BOTDA Schemes by Numerical Processing. IEEE Photonics Technology Letters, 2012, 24, 1003-1005.	2.5	5
92	Bridge Monitoring Using Brillouin Fiber-Optic Sensors. IEEE Sensors Journal, 2012, 12, 145-150.	4.7	61
93	Differential Techniques for High-Resolution BOTDA: An Analytical Approach. IEEE Photonics Technology Letters, 2012, 24, 1295-1297.	2.5	7
94	Distributed Strain and Temperature Sensing at CM-Scale Spatial Resolution by BOFDA. Lecture Notes in Electrical Engineering, 2012, , 235-239.	0.4	1
95	Modal analysis of a cantilever beam by use of Brillouin based distributed dynamic strain measurements. Smart Materials and Structures, 2012, 21, 125022.	3.5	19
96	Electromagnetic Sensing Techniques for Non-Destructive Diagnosis of Civil Engineering Structures. , 2012, , .		2
97	Distributed Sensing at Centimeter-Scale Spatial Resolution by BOFDA: Measurements and Signal Processing. IEEE Photonics Journal, 2012, 4, 48-56.	2.0	110
98	Differential pulse-width pair BOTDA with fast fall-time pulses. , 2011, , .		0
99	Pulsing the Probe Wave to Reduce Nonlocal Effects in Brillouin Optical Time-Domain Analysis (BOTDA) Sensors. IEEE Sensors Journal, 2011, 11, 1067-1068.	4.7	13
100	Slot and Layer-Slot Waveguide in the Visible Spectrum. Journal of Lightwave Technology, 2011, 29, 2979-2984.	4.6	17
101	Numerical analysis of single pulse and differential pulse-width pair BOTDA systems in the high spatial resolution regime. Optics Express, 2011, 19, 19233.	3.4	25
102	Long-range distributed Brillouin fiber sensors by use of an unbalanced double sideband probe. Optics Express, 2011, 19, 23845.	3.4	34
103	Centimeter-range spatial resolution distributed sensing by BOFDA. Proceedings of SPIE, 2011, , .	0.8	1
104	Liquid core integrated ring resonator. Proceedings of SPIE, 2011, , .	0.8	0
105	Distributed Strain Measurement along a Concrete Beam via Stimulated Brillouin Scattering in Optical Fibers. International Journal of Geophysics, 2011, 2011, 1-5.	1.1	10
106	High Sensitivity Mach-Zehnder Interferometer for Sub-Nanoliter Liquid Sensing. Lecture Notes in Electrical Engineering, 2011, , 305-309.	0.4	0
107	Bridge monitoring by Brillouin-based distributed strain measurements. Proceedings of SPIE, 2010, , .	0.8	0
108	Waveguide based optofluidics. Proceedings of SPIE, 2010, , .	0.8	1

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109	Integrated silicon optofluidic ring resonator. <i>Applied Physics Letters</i> , 2010, 97, 131110.	3.3	42
110	Transport Infrastructure Surveillance and Monitoring by Electromagnetic Sensing: The ISTIMES Project. <i>Sensors</i> , 2010, 10, 10620-10639.	3.8	46
111	Dynamic strain measurements on a cantilever beam using stimulated Brillouin scattering. <i>Smart Materials and Structures</i> , 2010, 19, 045024.	3.5	5
112	Liquid Core ARROW Waveguides by Atomic Layer Deposition. <i>IEEE Photonics Technology Letters</i> , 2010, 22, 616-618.	2.5	30
113	High-visibility optofluidic Mach-Zehnder interferometer. <i>Optics Letters</i> , 2010, 35, 1584.	3.3	27
114	Theoretical and Experimental Analysis of Brillouin Scattering in Single-Mode Optical Fiber Excited by an Intensity- and Phase-Modulated Pump. <i>Journal of Lightwave Technology</i> , 2010, 28, 193-200.	4.6	14
115	Comment on: "Slow Light" in stimulated Brillouin scattering: on the influence of the spectral width of pump radiation on the group index. <i>Optics Express</i> , 2010, 18, 1788.	3.4	0
116	Extension of the maximum measuring range in distributed Brillouin fiber sensors by tuning the Stokes/anti-Stokes power ratio. , 2010, , .		2
117	Integrated Optofluidic Mach-Zehnder Interferometer. <i>Lecture Notes in Electrical Engineering</i> , 2010, , 373-376.	0.4	0
118	Perfluorinated Plastic Optical Fiber Tapers for Evanescent Wave Sensing. <i>Sensors</i> , 2009, 9, 10423-10433.	3.8	63
119	A 2×2 Optofluidic Multimode Interference Coupler. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2009, 15, 1478-1484.	2.9	4
120	Dynamic strain measurement in optical fibers by stimulated Brillouin scattering. <i>Optics Letters</i> , 2009, 34, 2613.	3.3	229
121	A Simple Technique for Reducing Pump Depletion in Long-Range Distributed Brillouin Fiber Sensors. <i>IEEE Sensors Journal</i> , 2009, 9, 633-634.	4.7	81
122	Brillouin Optical Frequency-Domain Single-Ended Distributed Fiber Sensor. <i>IEEE Sensors Journal</i> , 2009, 9, 221-222.	4.7	6
123	Dynamic strain measurement at randomly addressed optical fiber positions using a time-domain Brillouin sensing system. <i>Proceedings of SPIE</i> , 2009, , .	0.8	0
124	Pump depletion reduction technique for extended-range distributed Brillouin fiber sensors. , 2009, , .		3
125	Perfluorinated polymer optical fiber tapers for fluorescence collection. , 2009, , .		0
126	Polymer optical fiber tapers for biosensing applications. , 2009, , .		2

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127	An Instrumented Flume to Investigate the Mechanics of Rainfall-Induced Landslides in Unsaturated Granular Soils. <i>Geotechnical Testing Journal</i> , 2009, 32, 101366.	1.0	20
128	Liquid-core/liquid-cladding integrated silicon ARROW waveguides. <i>Optics Communications</i> , 2008, 281, 2062-2066.	2.1	21
129	Stimulated Brillouin scattering in highly birefringent microstructure fiber: experimental analysis. <i>Optics Letters</i> , 2008, 33, 2329.	3.3	9
130	Cytotoxicity Investigation on Cultured Human Blood Cells Treated with Single-Wall Carbon Nanotubes. <i>Sensors</i> , 2008, 8, 488-499.	3.8	48
131	Vectorial dislocation monitoring of pipelines by use of Brillouin-based fiber-optics sensors. <i>Smart Materials and Structures</i> , 2008, 17, 015006.	3.5	25
132	Fabrication and characterization of a liquid core integrated interferometer. , 2008, , .		0
133	Integrated optofluidic Mach-Zehnder interferometer based on liquid core waveguides. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	36
134	LONG-TERM TEMPERATURE MONITORING OF ACTIVE VOLCANIC AREAS BY DISTRIBUTED OPTICAL FIBER SENSORS. , 2008, , .		1
135	BRILLOUIN-BASED FIBER-OPTICS SENSORS FOR VECTORIAL DISLOCATION MONITORING OF PIPELINES. , 2008, , .		1
136	Integrated silicon optical sensors based on hollow core waveguide. , 2007, , .		12
137	Stimulated Brillouin scattering modeling for high-resolution, time-domain distributed sensing. <i>Optics Express</i> , 2007, 15, 10397.	3.4	29
138	Dynamic loading of overhead lines by adaptive learning techniques and distributed temperature sensing. <i>IET Generation, Transmission and Distribution</i> , 2007, 1, 912.	2.5	23
139	Self-Demodulated Heterodyne Frequency Domain Distributed Brillouin Fiber Sensor. <i>IEEE Photonics Technology Letters</i> , 2007, 19, 447-449.	2.5	6
140	Accurate high-resolution fiber-optic distributed strain measurements for structural health monitoring. <i>Sensors and Actuators A: Physical</i> , 2007, 134, 389-395.	4.1	26
141	Volatile organic compounds detection using porphyrin-based metal-cladding leaky waveguides. <i>Sensors and Actuators B: Chemical</i> , 2007, 127, 231-236.	7.8	13
142	2-D MMI Devices Based on Integrated Hollow ARROW Waveguides. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2007, 13, 194-201.	2.9	9
143	Planar Waveguides for Fluorescence-Based Biosensing: Optimization and Analysis. <i>IEEE Sensors Journal</i> , 2006, 6, 1218-1226.	4.7	37
144	Optimization of metal-clad waveguides for sensitive fluorescence detection. <i>Optics Express</i> , 2006, 14, 3512.	3.4	5

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145	Low distortion Brillouin slow light in optical fibers using AM modulation. Optics Express, 2006, 14, 5866.	3.4	52
146	An accurate high-resolution technique for distributed sensing based on frequency-domain Brillouin scattering. IEEE Photonics Technology Letters, 2006, 18, 280-282.	2.5	18
147	Development and characterization of an integrated silicon micro flow cytometer. Analytical and Bioanalytical Chemistry, 2006, 386, 1267-1272.	3.7	34
148	Identification of defects and strain error estimation for bending steel beams using time domain Brillouin distributed optical fiber sensors. Smart Materials and Structures, 2006, 15, 612-622.	3.5	30
149	Structural Health Monitoring by High-Resolution Brillouin-based Strain Measurements. , 2006, , .		0
150	Polymer-on-glass waveguide structure for efficient fluorescence-based optical biosensors. , 2005, , .		0
151	High-resolution distributed fiber-optic frequency-domain Brillouin sensing. , 2005, , .		0
152	Distributed fiber-optic frequency-domain Brillouin sensing. Sensors and Actuators A: Physical, 2005, 123-124, 337-342.	4.1	10
153	Determination of thermal diffusivity of suspended porous silicon films by thermal lens technique. Applied Physics A: Materials Science and Processing, 2005, 81, 399-404.	2.3	18
154	Damage detection in bending beams through Brillouin distributed optic-fibre sensor. Bridge Structures, 2005, 1, 355-363.	0.4	13
155	Response of fiber Bragg gratings to longitudinal ultrasonic waves. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2005, 52, 304-312.	3.0	114
156	A reconstruction technique for long-range stimulated Brillouin scattering distributed fibre-optic sensors: experimental results. Measurement Science and Technology, 2005, 16, 900-908.	2.6	66
157	The role of the measurement configuration in inverse scattering from buried objects under the Born approximation. IEEE Transactions on Antennas and Propagation, 2005, 53, 1875-1887.	5.1	183
158	Fiber Bragg grating as ultrasonic wave sensors. , 2004, 5502, 84.		5
159	Distributed fiber optic Brillouin sensing in the frequency domain. , 2004, 5502, 500.		0
160	Generalized Mach-Zehnder interferometers for sensing applications. Sensors and Actuators B: Chemical, 2004, 100, 72-74.	7.8	9
161	ARROW optical waveguides based sensors. Sensors and Actuators B: Chemical, 2004, 100, 143-146.	7.8	58
162	Thinned Fiber Bragg Gratings as High Sensitivity Refractive Index Sensor. IEEE Photonics Technology Letters, 2004, 16, 1149-1151.	2.5	290

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163	Accuracy Enhancement in Brillouin Distributed Fiber-Optic Temperature Sensors Using Signal Processing Techniques. IEEE Photonics Technology Letters, 2004, 16, 1143-1145.	2.5	27
164	Microfluidic sensor based on integrated optical hollow waveguides. Optics Letters, 2004, 29, 1894.	3.3	97
165	Stimulated Brillouin scattering frequency-domain analysis in a single-mode optical fiber for distributed sensing. Optics Letters, 2004, 29, 1977.	3.3	29
166	ARROW STRUCTURES FOR SENSING APPLICATIONS. , 2004, , .		0
167	All frequency domain distributed fiber-optic brillouin sensing. IEEE Sensors Journal, 2003, 3, 36-43.	4.7	23
168	Planar antiresonant reflecting optical waveguides as integrated optical refractometer. IEEE Sensors Journal, 2003, 3, 652-657.	4.7	12
169	<title>Novel data analysis approach for temperature and strain profile reconstruction in distributed fiber optics sensors based on stimulated Brillouin scattering</title>. , 2002, 4576, 108.		2
170	Reconstruction technique for stimulated Brillouin scattering distributed fiber-optic sensors. Optical Engineering, 2002, 41, 2186.	1.0	25
171	<title>ARROW waveguides-based refractometer for chemical and biochemical sensing application</title>. , 2002, 4578, 454.		3
172	Frequency-domain approach to distributed fiber-optic Brillouin sensing. Optics Letters, 2002, 27, 288.	3.3	13
173	Design and analysis of an integrated antiresonant reflecting optical waveguide refractive-index sensor. Applied Optics, 2002, 41, 70.	2.1	13
174	Silicon micromachined hollow optical waveguides for sensing applications. IEEE Journal of Selected Topics in Quantum Electronics, 2002, 8, 106-110.	2.9	56
175	Optical characterization of doping profiles in silicon. , 2000, , .		0
176	Optical tomography for dielectric profiling in processing electronic materials. Chemical Engineering Journal, 2000, 77, 137-142.	12.7	2
177	An iterative method for optical reconstruction of graded index profiles in planar dielectric waveguides. Journal of Lightwave Technology, 2000, 18, 729-736.	4.6	3
178	Reconstruction of doping profiles in semiconductor materials using optical tomography. Solid-State Electronics, 1999, 43, 761-769.	1.4	12
179	Information content of the Born field scattered by an embedded slab: multifrequency, multiview, and multifrequencyâ€“multiview cases. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1999, 16, 2392.	1.5	32
180	Contactless characterization of the recombination process in silicon wafers: Separation between bulk and surface contribution. Solid-State Electronics, 1996, 39, 1165-1172.	1.4	10

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181	Planar antiresonant reflecting optical waveguides as sensors for liquid substances. , 0, , .		4
182	A reconstruction technique for stimulated Brillouin scattering fiber-optic sensors for simultaneous measurement of temperature and strain. , 0, , .		7
183	Refractive index measurements by fiber Bragg grating sensor. , 0, , .		6
184	Accurate distributed temperature measurements by Brillouin scattering fiber-optic sensor. , 0, , .		3
185	Design, fabrication and characterization of integrated antiresonant hollow core waveguides for photonics integrated circuits. , 0, , .		2
186	Frequency-domain analysis of stimulated brillouin scattering in single-mode optical fibers. , 0, , .		0
187	Railway Traffic Monitoring by Use of Distributed Optical Fiber Sensors. , 0, , .		1
188	The integration of novel diagnostics techniques for multi-scale monitoring of large civil infrastructures. Advances in Geosciences, 0, 19, 67-74.	12.0	1