List of Publications by Year in descending order

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		66343	106344
326	6,126	42	65
papers	citations	h-index	g-index
332	332	332	4089
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Low Cost Sensors Based on SPR in a Plastic Optical Fiber for Biosensor Implementation. Sensors, 2011, 11, 11752-11760.	3.8	261
2	Dynamic strain measurement in optical fibers by stimulated Brillouin scattering. Optics Letters, 2009, 34, 2613.	3.3	229
3	High selectivity and sensitivity sensor based on MIP and SPR in tapered plastic optical fibers for the detection of l-nicotine. Sensors and Actuators B: Chemical, 2014, 191, 529-536.	7.8	168
4	Sensors based on surface plasmon resonance in a plastic optical fiber for the detection of trinitrotoluene. Sensors and Actuators B: Chemical, 2013, 188, 221-226.	7.8	119
5	Response of fiber Bragg gratings to longitudinal ultrasonic waves. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2005, 52, 304-312.	3.0	114
6	Distributed Sensing at Centimeter-Scale Spatial Resolution by BOFDA: Measurements and Signal Processing. IEEE Photonics Journal, 2012, 4, 48-56.	2.0	110
7	Silicon electro-optic modulator based on a three terminal device integrated in a low-loss single-mode SOI waveguide. Journal of Lightwave Technology, 1997, 15, 505-518.	4.6	104
8	An easy way to realize SPR aptasensor: A multimode plastic optical fiber platform for cancer biomarkers detection. Talanta, 2015, 140, 88-95.	5.5	102
9	Performance Comparison of Two Sensors Based on Surface Plasmon Resonance in a Plastic Optical Fiber. Sensors, 2013, 13, 721-735.	3.8	98
10	Microfluidic sensor based on integrated optical hollow waveguides. Optics Letters, 2004, 29, 1894.	3.3	97
11	SARS-CoV-2 spike protein detection through a plasmonic D-shaped plastic optical fiber aptasensor. Talanta, 2021, 233, 122532.	5.5	91
12	Distributed Temperature Sensing in Polymer Optical Fiber by BOFDA. IEEE Photonics Technology Letters, 2014, 26, 387-390.	2.5	89
13	An innovative plastic optical fiber-based biosensor for new bio/applications. The case of celiac disease. Sensors and Actuators B: Chemical, 2013, 176, 1008-1014.	7.8	85
14	A Novel Chordin-like Protein Inhibitor for Bone Morphogenetic Proteins Expressed Preferentially in Mesenchymal Cell Lineages. Developmental Biology, 2001, 232, 372-387.	2.0	82
15	A portable optical-fibre-based surface plasmon resonance biosensor for the detection of therapeutic antibodies in human serum. Scientific Reports, 2020, 10, 11154.	3.3	82
16	A Simple Technique for Reducing Pump Depletion in Long-Range Distributed Brillouin Fiber Sensors. IEEE Sensors Journal, 2009, 9, 633-634.	4.7	81
17	Determination of Disulfide Structure in Agouti-Related Protein (AGRP) by Stepwise Reduction and Alkylation. Biochemistry, 1998, 37, 12172-12177.	2.5	77
18	Brillouin optical time-domain analysis for geotechnical monitoring. Journal of Rock Mechanics and Geotechnical Engineering, 2015, 7, 458-462.	8.1	73

#	Article	IF	CITATIONS
19	SPR-based plastic optical fibre biosensor for the detection of C-reactive protein in serum. Journal of Biophotonics, 2016, 9, 1077-1084.	2.3	73
20	Phorbol 12, myristate 13, acetate potentiates the respiratory burst while inhibits phosphoinositide hydrolysis and calcium mobilization by formyl-methionyl-leucyl-phenylalanine in human neutrophils. Biochemical and Biophysical Research Communications, 1986, 135, 556-565.	2.1	72
21	Proposal of Brillouin optical frequency-domain reflectometry (BOFDR). Optics Express, 2016, 24, 29994.	3.4	72
22	Proof of Concept for a Quick and Highly Sensitive On-Site Detection of SARS-CoV-2 by Plasmonic Optical Fibers and Molecularly Imprinted Polymers. Sensors, 2021, 21, 1681.	3.8	70
23	A Molecularly Imprinted Polymer on a Plasmonic Plastic Optical Fiber to Detect Perfluorinated Compounds in Water. Sensors, 2018, 18, 1836.	3.8	69
24	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
25	Monitoring of Low Levels of Furfural in Power Transformer Oil with a Sensor System Based on a POF-MIP Platform. Sensors, 2015, 15, 8499-8511.	3.8	66
26	Sensitive detection of 2,4,6-trinitrotoluene by tridimensional monitoring of molecularly imprinted polymer with optical fiber and five-branched gold nanostars. Sensors and Actuators B: Chemical, 2015, 208, 291-298.	7.8	63
27	Localized Surface Plasmon Resonance with Five-Branched Gold Nanostars in a Plastic Optical Fiber for Bio-Chemical Sensor Implementation. Sensors, 2013, 13, 14676-14686.	3.8	62
28	Neutron measurements around medical electron accelerators by active and passive detection techniques. Medical Physics, 1991, 18, 54-60.	3.0	61
29	Bridge Monitoring Using Brillouin Fiber-Optic Sensors. IEEE Sensors Journal, 2012, 12, 145-150.	4.7	61
30	A review on simple and highly sensitive plastic optical fiber probes for bio-chemical sensing. Sensors and Actuators B: Chemical, 2021, 331, 129393.	7.8	61
31	Refractive Index Sensing with D-Shaped Plastic Optical Fibers for Chemical and Biochemical Applications. Sensors, 2016, 16, 2119.	3.8	59
32	ARROW optical waveguides based sensors. Sensors and Actuators B: Chemical, 2004, 100, 143-146.	7.8	58
33	Real-time monitoring of railway traffic using slope-assisted Brillouin distributed sensors. Applied Optics, 2013, 52, 3770.	1.8	58
34	A High Sensitivity Biosensor to detect the presence of perfluorinated compounds in environment. Talanta, 2018, 178, 955-961.	5.5	57
35	Silicon micromachined hollow optical waveguides for sensing applications. IEEE Journal of Selected Topics in Quantum Electronics, 2002, 8, 106-110.	2.9	56
36	Markers Detection in Transformer Oil by Plasmonic Chemical Sensor System Based on POF and MIPs. IEEE Sensors Journal, 2016, 16, 7663-7670.	4.7	56

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37	Low distortion Brillouin slow light in optical fibers using AM modulation. Optics Express, 2006, 14, 5866.	3.4	52
38	A Simple Small Size and Low Cost Sensor Based on Surface Plasmon Resonance for Selective Detection of Fe(III). Sensors, 2014, 14, 4657-4671.	3.8	51
39	An electrically controlled Bragg reflector integrated in a rib silicon on insulator waveguide. Applied Physics Letters, 1997, 71, 199-201.	3.3	48
40	Cytotoxicity Investigation on Cultured Human Blood Cells Treated with Single-Wall Carbon Nanotubes. Sensors, 2008, 8, 488-499.	3.8	48
41	The Role of Pulse Repetition Rate in nsPEF-Induced Electroporation: A Biological and Numerical Investigation. IEEE Transactions on Biomedical Engineering, 2015, 62, 2234-2243.	4.2	44
42	D-shaped plastic optical fibre aptasensor for fast thrombin detection in nanomolar range. Scientific Reports, 2019, 9, 18740.	3.3	43
43	Integrated silicon optofluidic ring resonator. Applied Physics Letters, 2010, 97, 131110.	3.3	42
44	Distributed Fiber Optic Sensors for the Monitoring of a Tunnel Crossing a Landslide. Remote Sensing, 2018, 10, 1291.	4.0	42
45	Transverse mode analysis of a laser beam by near- and far-field intensity measurements. Applied Optics, 1995, 34, 7974.	2.1	41
46	A Simple and Low-Cost Optical Fiber Intensity-Based Configuration for Perfluorinated Compounds in Water Solution. Sensors, 2018, 18, 3009.	3.8	38
47	Planar Waveguides for Fluorescence-Based Biosensing: Optimization and Analysis. IEEE Sensors Journal, 2006, 6, 1218-1226.	4.7	37
48	Experimental and numerical study on stimulated Brillouin scattering in a graded-index multimode fiber. Optics Express, 2014, 22, 17480.	3.4	37
49	SPR-Optical Fiber-Molecularly Imprinted Polymer Sensor for the Detection of Furfural in Wine. Biosensors, 2021, 11, 72.	4.7	37
50	Integrated optofluidic Mach–Zehnder interferometer based on liquid core waveguides. Applied Physics Letters, 2008, 93, .	3.3	36
51	A Laboratory Study on the Use of Optical Fibers for Early Detection of Pre-Failure Slope Movements in Shallow Granular Soil Deposits. Geotechnical Testing Journal, 2017, 40, 20160107.	1.0	36
52	Development and characterization of an integrated silicon micro flow cytometer. Analytical and Bioanalytical Chemistry, 2006, 386, 1267-1272.	3.7	34
53	Long-range distributed Brillouin fiber sensors by use of an unbalanced double sideband probe. Optics Express, 2011, 19, 23845.	3.4	34
54	An Optical Fiber Chemical Sensor for the Detection of Copper(II) in Drinking Water. Sensors, 2019, 19, 5246.	3.8	34

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55	Investigation of Freestream Plasma Flow Produced by Inductively Coupled Plasma Wind Tunnel. Journal of Thermophysics and Heat Transfer, 2014, 28, 381-393.	1.6	32
56	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
57	SPR Sensor Platform Based on a Novel Metal Bilayer Applied on D–Shaped Plastic Optical Fibers for Refractive Index Measurements in the Range 1.38–1.42. IEEE Sensors Journal, 2016, 16, 4822-4827.	4.7	31
58	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
59	Liquid Core ARROW Waveguides by Atomic Layer Deposition. IEEE Photonics Technology Letters, 2010, 22, 616-618.	2.5	30
60	A Blumlein-type, nanosecond pulse generator with interchangeable transmission lines for bioelectrical applications. IEEE Transactions on Dielectrics and Electrical Insulation, 2013, 20, 1224-1230.	2.9	30
61	D-Shaped POF Sensors for Refractive Index Sensing—The Importance of Surface Roughness. Sensors, 2019, 19, 2476.	3.8	30
62	Stimulated Brillouin scattering frequency-domain analysis in a single-mode optical fiber for distributed sensing. Optics Letters, 2004, 29, 1977.	3.3	29
63	Stimulated Brillouin scattering modeling for high-resolution, time-domain distributed sensing. Optics Express, 2007, 15, 10397.	3.4	29
64	Kilovolt Blumlein pulse generator with variable pulse duration and polarity. Review of Scientific Instruments, 2008, 79, 044301.	1.3	28
65	Accuracy Enhancement in Brillouin Distributed Fiber-Optic Temperature Sensors Using Signal Processing Techniques. IEEE Photonics Technology Letters, 2004, 16, 1143-1145.	2.5	27
66	High-visibility optofluidic Mach–Zehnder interferometer. Optics Letters, 2010, 35, 1584.	3.3	27
67	Accurate high-resolution fiber-optic distributed strain measurements for structural health monitoring. Sensors and Actuators A: Physical, 2007, 134, 389-395.	4.1	26
68	Automatic traffic monitoring by <i>ï+</i> -OTDR data and Hough transform in a real-field environment. Applied Optics, 2021, 60, 3579.	1.8	26
69	Reconstruction technique for stimulated Brillouin scattering distributed fiber-optic sensors. Optical Engineering, 2002, 41, 2186.	1.0	25
70	Vectorial dislocation monitoring of pipelines by use of Brillouin-based fiber-optics sensors. Smart Materials and Structures, 2008, 17, 015006.	3.5	25
71	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
72	Slab Waveguide and Optical Fibers for Novel Plasmonic Sensor Configurations. Sensors, 2017, 17, 1488.	3.8	25

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73	Detection of naphthalene in sea-water by a label-free plasmonic optical fiber biosensor. Talanta, 2019, 194, 289-297.	5.5	25
74	Performance of slope behavior indicators in unsaturated pyroclastic soils. Journal of Mountain Science, 2015, 12, 1434-1447.	2.0	24
75	An optical technique to measure the bulk lifetime and the surface recombination velocity in silicon samples based on a laser diode probe system. Solid-State Electronics, 1998, 42, 1035-1038.	1.4	23
76	All frequency domain distributed fiber-optic brillouin sensing. IEEE Sensors Journal, 2003, 3, 36-43.	4.7	23
77	Dynamic loading of overhead lines by adaptive learning techniques and distributed temperature sensing. IET Generation, Transmission and Distribution, 2007, 1, 912.	2.5	23
78	Easy to Use Plastic Optical Fiber-Based Biosensor for Detection of Butanal. PLoS ONE, 2015, 10, e0116770.	2.5	23
79	A Complete Optical Sensor System Based on a POF-SPR Platform and a Thermo-Stabilized Flow Cell for Biochemical Applications. Sensors, 2016, 16, 196.	3.8	23
80	Intensity-based plastic optical fiber sensor with molecularly imprinted polymer sensitive layer. Sensors and Actuators B: Chemical, 2017, 241, 534-540.	7.8	23
81	Refractive Index Sensing through Surface Plasmon Resonance in Light-Diffusing Fibers. Applied Sciences (Switzerland), 2018, 8, 1172.	2.5	23
82	Bend-Induced Brillouin Frequency Shift Variation in a Single-Mode Fiber. IEEE Photonics Technology Letters, 2013, 25, 2362-2364.	2.5	22
83	Experimental Characterization of Plasmonic Sensors Based on Lab-Built Tapered Plastic Optical Fibers. Applied Sciences (Switzerland), 2020, 10, 4389.	2.5	22
84	D-galactose/D-glucose-binding Protein from Escherichia coli as Probe for a Non-consuming Glucose Implantable Fluorescence Biosensor. Sensors, 2007, 7, 2484-2491.	3.8	21
85	Liquid-core/liquid-cladding integrated silicon ARROW waveguides. Optics Communications, 2008, 281, 2062-2066.	2.1	21
86	[INVITED] Slab plasmonic platforms combined with Plastic Optical Fibers and Molecularly Imprinted Polymers for chemical sensing. Optics and Laser Technology, 2018, 107, 484-490.	4.6	21
87	Refractive index sensing by Brillouin scattering in side-polished optical fibers. Optics Letters, 2018, 43, 2280.	3.3	21
88	A Novel Sensing Methodology to Detect Furfural in Water, Exploiting MIPs, and Inkjet-Printed Optical Waveguides. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 1582-1589.	4.7	21
89	Deformable molecularly imprinted nanogels permit sensitivity-gain in plasmonic sensing. Biosensors and Bioelectronics, 2020, 156, 112126.	10.1	21
90	A Magnetic Field Sensor Based on SPR-POF Platforms and Ferrofluids. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	4.7	21

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91	An Instrumented Flume to Investigate the Mechanics of Rainfall-Induced Landslides in Unsaturated Granular Soils. Geotechnical Testing Journal, 2009, 32, 101366.	1.0	20
92	Characterization of the transverse modes in a laser beam: analysis and application to a Q-switched Nd:YAG laser. Applied Optics, 1992, 31, 2722.	2.1	19
93	A telomerase enzymatic assay that does not use polymerase chain reaction, radioactivity, or electrophoresis. Analytical Biochemistry, 2004, 331, 230-234.	2.4	19
94	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
95	Modal Filtering for Optimized Surface Plasmon Resonance Sensing in Multimode Plastic Optical Fibers. IEEE Sensors Journal, 2015, 15, 6306-6312.	4.7	19
96	Plasmonic Sensing in D-Shaped POFs With Fluorescent Optical Fibers as Light Sources. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 754-759.	4.7	19
97	Microstructured Surface Plasmon Resonance Sensor Based on Inkjet 3D Printing Using Photocurable Resins with Tailored Refractive Index. Polymers, 2021, 13, 2518.	4.5	19
98	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
99	Numerical study of a ferrule-top cantilever optical fiber sensor for wind-tunnel applications and comparison with experimental results. Sensors and Actuators A: Physical, 2012, 178, 17-25.	4.1	18
100	All-optical multiwavelength technique for the simultaneous measurement of bulk recombination lifetimes and front/rear surface recombination velocity in single crystal silicon samples. Journal of Applied Physics, 2003, 93, 3407-3413.	2.5	17
101	Hybrid Silicon-PDMS Optofluidic ARROW Waveguide. IEEE Photonics Technology Letters, 2012, 24, 1307-1309.	2.5	17
102	Wind Turbine Blade Monitoring with Brillouin-Based Fiber-Optic Sensors. Journal of Sensors, 2017, 2017, 1-5.	1.1	17
103	An Experimental Investigation on the Progressive Failure of Unsaturated Granular Slopes. Geosciences (Switzerland), 2019, 9, 63.	2.2	17
104	Sensing by Molecularly Imprinted Polymer: Evaluation of the Binding Properties with Different Techniques. Sensors, 2019, 19, 1344.	3.8	17
105	DNA Electrophoretic Migration Patterns Change after Exposure of Jurkat Cells to a Single Intense Nanosecond Electric Pulse. PLoS ONE, 2011, 6, e28419.	2.5	17
106	Heterodyne slope-assisted Brillouin optical time-domain analysis for dynamic strain measurements. Journal of Optics (United Kingdom), 2016, 18, 025606.	2.2	16
107	An Eco-Friendly Disposable Plasmonic Sensor Based on Bacterial Cellulose and Gold. Sensors, 2019, 19, 4894.	3.8	16
108	Biosensors exploiting unconventional platforms: The case of plasmonic light-diffusing fibers. Sensors and Actuators B: Chemical, 2021, 337, 129771.	7.8	16

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109	Biochemical sensing exploiting plasmonic sensors based on gold nanogratings and polymer optical fibers. Photonics Research, 2021, 9, 1397.	7.0	16
110	Bovine Serum Albumin Protein Detection by a Removable SPR Chip Combined with a Specific MIP Receptor. Chemosensors, 2021, 9, 218.	3.6	16
111	Automated and Cost Effective Maintenance for Railway (ACEM–Rail). Procedia, Social and Behavioral Sciences, 2012, 48, 1058-1067.	0.5	15
112	Distributed-Temperature-Sensing Using Optical Methods: A First Application in the Offshore Area of Campi Flegrei Caldera (Southern Italy) for Volcano Monitoring. Remote Sensing, 2016, 8, 674.	4.0	15
113	Hybrid Brillouin/Rayleigh sensor for multiparameter measurements in optical fibers. Optics Express, 2021, 29, 24025.	3.4	15
114	The Odorant-Binding Protein from Canis familiaris: Purification, Characterization and New Perspectives in Biohazard Assessment. Protein and Peptide Letters, 2006, 13, 349-352.	0.9	14
115	Theoretical and Experimental Analysis of Brillouin Scattering in Single-Mode Optical Fiber Excited by an Intensity- and Phase-Modulated Pump. Journal of Lightwave Technology, 2010, 28, 193-200.	4.6	14
116	Distributed Dynamic Strain Sensing Based on Brillouin Scattering in Optical Fibers. Sensors, 2020, 20, 5629.	3.8	14
117	A Surface Plasmon Resonance Plastic Optical Fiber Biosensor for the Detection of Pancreatic Amylase in Surgically-Placed Drain Effluent. Sensors, 2021, 21, 3443.	3.8	14
118	Two silicon optical modulators realizable with a fully compatible bipolar process. IEEE Journal of Selected Topics in Quantum Electronics, 1998, 4, 1003-1010.	2.9	13
119	Frequency-domain approach to distributed fiber-optic Brillouin sensing. Optics Letters, 2002, 27, 288.	3.3	13
120	Design and analysis of an integrated antiresonant reflecting optical waveguide refractive-index sensor. Applied Optics, 2002, 41, 70.	2.1	13
121	Damage detection in bending beams through Brillouin distributed optic-fibre sensor. Bridge Structures, 2005, 1, 355-363.	0.4	13
122	Volatile organic compounds detection using porphyrin-based metal-cladding leaky waveguides. Sensors and Actuators B: Chemical, 2007, 127, 231-236.	7.8	13
123	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
124	A Novel Approach to Realizing Low-Cost Plasmonic Optical Fiber Sensors: Light-Diffusing Fibers Covered by Thin Metal Films. Fibers, 2019, 7, 34.	4.0	13
125	Distributed Optical Fiber Sensor Applications in Geotechnical Monitoring. Sensors, 2021, 21, 7514.	3.8	13
126	Quasi-Distributed Refractive Index Sensing by Stimulated Brillouin Scattering in Tapered Optical Fibers. Journal of Lightwave Technology, 2022, 40, 2619-2624.	4.6	13

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127	Exploiting Plasmonic Phenomena in Polymer Optical Fibers to Realize a Force Sensor. Sensors, 2022, 22, 2391.	3.8	13
128	Reconstruction of doping profiles in semiconductor materials using optical tomography. Solid-State Electronics, 1999, 43, 761-769.	1.4	12
129	Planar antiresonant reflecting optical waveguides as integrated optical refractometer. IEEE Sensors Journal, 2003, 3, 652-657.	4.7	12
130	Integrated silicon optical sensors based on hollow core waveguide. , 2007, , .		12
131	High-Spatial Resolution DPP-BOTDA by Real-Time Balanced Detection. IEEE Photonics Technology Letters, 2014, 26, 1251-1254.	2.5	12
132	A Plasmonic Biosensor Based on Light-Diffusing Fibers Functionalized with Molecularly Imprinted Nanoparticles for Ultralow Sensing of Proteins. Nanomaterials, 2022, 12, 1400.	4.1	12
133	Modified Blumlein Pulse-Forming Networks for Bioelectrical Applications. Journal of Membrane Biology, 2010, 236, 55-60.	2.1	11
134	Structural Damage Identification in an Aluminum Composite Plate by Brillouin Sensing. IEEE Sensors Journal, 2015, 15, 659-660.	4.7	11
135	Cost-effective method for fast Brillouin optical time-domain analysis. Optics Express, 2016, 24, 25424.	3.4	11
136	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
137	Towards the development of cascaded surface plasmon resonance POF sensors exploiting gold films and synthetic recognition elements for detection of contaminants in transformer oil. Sensing and Bio-Sensing Research, 2017, 13, 128-135.	4.2	11
138	Simultaneous Strain and Temperature Measurements by Dual Wavelength Brillouin Sensors. IEEE Sensors Journal, 2017, 17, 3714-3719.	4.7	11
139	An Fiber Bragg Grating-Based Monitoring System for Slope Deformation Studies in Geotechnical Centrifuges. Sensors, 2019, 19, 1591.	3.8	11
140	Long-Term Monitoring with Fiber Optics Distributed Temperature Sensing at Campi Flegrei: The Campi Flegrei Deep Drilling Project. Sensors, 2019, 19, 1009.	3.8	11
141	Polymer Optical Fibers for Sensing. Macromolecular Symposia, 2020, 389, 1900074.	0.7	11
142	A Simple and Efficient Plasmonic Sensor in Light Diffusive Polymer Fibers. IEEE Sensors Journal, 2021, 21, 16054-16060.	4.7	11
143	On the Effect of Soft Molecularly Imprinted Nanoparticles Receptors Combined to Nanoplasmonic Probes for Biomedical Applications. Frontiers in Bioengineering and Biotechnology, 2021, 9, 801489.	4.1	11
144	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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145	Distributed fiber-optic frequency-domain Brillouin sensing. Sensors and Actuators A: Physical, 2005, 123-124, 337-342.	4.1	10
146	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
147	Flexible and Ultrathin Metal-Oxide Films for Multiresonance-Based Sensors in Plastic Optical Fibers. ACS Applied Nano Materials, 2021, 4, 10902-10910.	5.0	10
148	Measurements of the waist and the power distribution across the transverse modes of a laser beam. Optical and Quantum Electronics, 1992, 24, S963-S971.	3.3	9
149	Blumlein configuration for variable length high-voltage pulse generation by simultaneous switch control. Electronics Letters, 2006, 42, 205.	1.0	9
150	2-D MMI Devices Based on Integrated Hollow ARROW Waveguides. IEEE Journal of Selected Topics in Quantum Electronics, 2007, 13, 194-201.	2.9	9
151	Stimulated Brillouin scattering in highly birefringent microstructure fiber: experimental analysis. Optics Letters, 2008, 33, 2329.	3.3	9
152	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
153	High-Pass Filtering for Accurate Reconstruction of the Brillouin Frequency Shift Profile From Brillouin Optical Frequency Domain Analysis Data. IEEE Sensors Journal, 2018, 18, 185-192.	4.7	9
154	Toward Smart Selective Sensors Exploiting a Novel Approach to Connect Optical Fiber Biosensors in Internet. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 8009-8019.	4.7	9
155	Measurement of MIPs Responses Deposited on Two SPR-POF Sensors Realized by Different Photoresist Buffer Layers. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 1464-1473.	4.7	9
156	(INVITED)Quantitative detection of SARS-CoV-2 virions in aqueous mediums by IoT optical fiber sensors. Results in Optics, 2021, 5, 100177.	2.0	9
157	Interferometric measurement of electron-hole pair recombination lifetime as a function of the injection level. IEEE Electron Device Letters, 1993, 14, 487-489.	3.9	8
158	Parametric description of the effect of electron irradiation on recombination lifetime in silicon layers: an experimental approach. IEEE Transactions on Power Electronics, 1999, 14, 117-123.	7.9	8
159	Transverse probe optical lifetime measurement as a tool for in-line characterization of the fabrication process of a silicon solar cell. Solid-State Electronics, 1999, 43, 2235-2242.	1.4	8
160	Temperature Measurements of the Air Plasma Flow Using Optical Emission Spectroscopy. Journal of Thermophysics and Heat Transfer, 2011, 25, 354-360.	1.6	8
161	A Nanoplasmonic-Based Biosensing Approach for Wide-Range and Highly Sensitive Detection of Chemicals. Nanomaterials, 2021, 11, 1961.	4.1	8
162	Mode size and time duration fluctuations in a picosecond Nd:YAG laser. Optics Letters, 1989, 14, 494.	3.3	7

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163	Recombination centers identification in very thin silicon epitaxial layers via lifetime measurements. IEEE Electron Device Letters, 1996, 17, 148-150.	3.9	7
164	Nanosecond Pulse Generator with Variable Pulse Duration for the Study of Pulse Induced Biological Effects. , 2008, , .		7
165	Differential Techniques for High-Resolution BOTDA: An Analytical Approach. IEEE Photonics Technology Letters, 2012, 24, 1295-1297.	2.5	7
166	Water monitoring in smart cities exploiting plastic optical fibers and molecularly imprinted polymers. The case of PFBS detection. , 2019, , .		7
167	Effects of Magnetic Stimulation on Dental Implant Osseointegration: A Scoping Review. Applied Sciences (Switzerland), 2022, 12, 4496.	2.5	7
168	Improvements to the diagnostics of beam quality in cw and pulsed laser systems. Optics Communications, 1992, 89, 223-228.	2.1	6
169	Separation of bulk lifetime and surface recombination velocity obtained by transverse optical probing and multi-wavelength technique. Optics and Lasers in Engineering, 2002, 38, 461-472.	3.8	6
170	Self-Demodulated Heterodyne Frequency Domain Distributed Brillouin Fiber Sensor. IEEE Photonics Technology Letters, 2007, 19, 447-449.	2.5	6
171	Brillouin Optical Frequency-Domain Single-Ended Distributed Fiber Sensor. IEEE Sensors Journal, 2009, 9, 221-222.	4.7	6
172	Design of Surface Plasmon Resonance Sensor in Plastic Optical Fibers Based on Nano-antenna Arrays. Procedia Engineering, 2016, 168, 880-883.	1.2	6
173	Brillouin Optical Time Domain Analysis in Silica Fibers at 850-nm Wavelength. IEEE Photonics Technology Letters, 2016, 28, 2577-2580.	2.5	6
174	Long-Term Monitoring of a Tunnel in a Landslide Prone Area by Brillouin-Based Distributed Optical Fiber Sensors. Sensors, 2021, 21, 7032.	3.8	6
175	Measurement of pulse lengthening with pulse energy increase in picosecond Nd:YAG laser pulses. Journal of Applied Physics, 1989, 65, 2187-2190.	2.5	5
176	Optical characterization of the recombination process in silicon wafers, epilayers and devices. Optics and Lasers in Engineering, 2003, 39, 219-232.	3.8	5
177	Power semiconductor laser diode arrays characterization. Optics and Lasers in Engineering, 2003, 39, 203-217.	3.8	5
178	Fiber Bragg grating as ultrasonic wave sensors. , 2004, 5502, 84.		5
179	Optimization of metal-clad waveguides for sensitive fluorescence detection. Optics Express, 2006, 14, 3512.	3.4	5
180	Discussion on "Test on application of distributed fibre optic sensing technique into soil slope monitoring―by B.J. Wang, K. Li, B. Shi and G.Q. Wei. Landslides, 2009, 6, 361-363.	5.4	5

#	Article	IF	CITATIONS
181	Dynamic strain measurements on a cantilever beam using stimulated Brillouin scattering. Smart Materials and Structures, 2010, 19, 045024.	3.5	5
182	Spatial Resolution Enhancement in Preactivated BOTDA Schemes by Numerical Processing. IEEE Photonics Technology Letters, 2012, 24, 1003-1005.	2.5	5
183	Detection of trinitrotoluene based on SPR in molecularly imprinted polymer on plastic optical fiber. Proceedings of SPIE, 2013, , .	0.8	5
184	Bio and Chemical Sensors Based on Surface Plasmon Resonance in a Plastic Optical Fiber. , 2014, , .		5
185	Fiber optic based inclinometer for remote monitoring of landslides: On site comparison with traditional inclinometers. , 2014, , .		5
186	Comparison of different photoresist buffer layers in SPR sensors based on D-shaped POF and gold film. , 2017, , .		5
187	Frequency dielectric spectroscopy and an innovative optical sensor to assess oil-paper degradation. IEEE Transactions on Dielectrics and Electrical Insulation, 2020, 27, 1728-1735.	2.9	5
188	Distributed Static and Dynamic Strain Measurements in Polymer Optical Fibers by Rayleigh Scattering. Sensors, 2021, 21, 5049.	3.8	5
189	Chemical and Biological Applications Based on Plasmonic Optical Fiber Sensors. IEEE Instrumentation and Measurement Magazine, 2021, 24, 50-55.	1.6	5
190	Molecularly Imprinted Polymers and Optical Fiber Sensors for Security Applications. Springer Proceedings in Materials, 2020, , 17-24.	0.3	5
191	Experimental investigation of macropulse fluctuations in a picosecond neodymium-doped yttrium aluminium garnet laser. Journal Physics D: Applied Physics, 1988, 21, 1710-1712.	2.8	4
192	A \$hbox{2}imeshbox{2}\$ Optofluidic Multimode Interference Coupler. IEEE Journal of Selected Topics in Quantum Electronics, 2009, 15, 1478-1484.	2.9	4
193	Ferrule-top cantilever optical fiber sensor for velocity measurements of low speed air flows. Proceedings of SPIE, 2011, , .	0.8	4
194	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
195	Optofluidics: a new tool for sensing. , 2013, , .		4
196	Combined Molecularly Imprinted Polymer and Surface Plasmon Resonance Transduction in Plastic Optical Fiber for Monitoring Oil-filled Power Transformers. Procedia Engineering, 2014, 87, 532-535.	1.2	4
197	Distributed optical fiber sensors for integrated monitoring of railway infrastructures. , 2014, , .		4
198	Optimization of an Evanescent Field Sensor based on D-Shaped Plastic Optical Fiber for Chemical and Biochemical Sensing. Procedia Engineering, 2016, 168, 810-813.	1.2	4

#	Article	IF	CITATIONS
199	An optical temperature sensor based on silicone and plastic optical fibers for biomedical applications. , 2017, , .		4
200	A C-OTDR Sensor for Liquid Detection Based on Optically Heated Co ²⁺ -Doped Fibers. IEEE Sensors Journal, 2020, 20, 10154-10158.	4.7	4
201	A Dual-Wavelength Scheme for Brillouin Temperature Sensing in Optically Heated Co ²⁺ -Doped Fibers. IEEE Sensors Journal, 2020, 20, 1349-1354.	4.7	4
202	Green LSPR Sensors Based on Thin Bacterial Cellulose Waveguides for Disposable Biosensor Implementation. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-8.	4.7	4
203	The Role of Tapered Light-Diffusing Fibers in Plasmonic Sensor Configurations. Sensors, 2021, 21, 6333.	3.8	4
204	Distributed optical fiber sensors for integrated monitoring of railway infrastructures. Structural Monitoring and Maintenance, 2014, 1, 173-182.	1.7	4
205	A Review of Apta-POF-Sensors: The Successful Coupling between Aptamers and Plastic Optical Fibers for Biosensing Applications. Applied Sciences (Switzerland), 2022, 12, 4584.	2.5	4
206	A Temperature Sensor Exploiting Plasmonic Phenomena Changes in Multimode POFs. IEEE Sensors Journal, 2022, 22, 12900-12905.	4.7	4
207	<title>Optical switching of bipolar-mode field effect transistors</title> . , 1995, , .		3
208	Real-time measurement of transverse-mode-mixing effects in a Q-switched Nd:YAG laser. Applied Optics, 1996, 35, 2544.	2.1	3
209	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
210	Results of the project "Silicon for Mass Unit and Standard" (SIMUS). , 0, , .		3
211	<title>ARROW waveguides-based refractometer for chemical and biochemical sensing application</title> . , 2002, 4578, 454.		3
212	Three terminals optoelectronics devices integrated into a silicon on silicon waveguide. Optics and Lasers in Engineering, 2003, 39, 317-332.	3.8	3
213	Accurate distributed temperature measurements by Brillouin scattering fiber-optic sensor. , 0, , .		3
214	Odor binding protein as probe for a refractive index-based biosensor: new perspectives in biohazard assessment. , 2004, 5321, 258.		3
215	Pump depletion reduction technique for extended-range distributed Brillouin fiber sensors. , 2009, , .		3
216	Railway traffic monitoring using Brillouin distributed sensors. , 2013, , .		3

#	Article	IF	CITATIONS
217	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
218	Surface plasmon resonance in a D-shaped plastic optical fibre: Influence of gold layer thickness in monitoring molecularly imprinted polymers. , 2016, , .		3
219	High-Pass Filtering for Accuracy Enhancement in Dark-Pulse Brillouin Optical Time Domain Analysis. IEEE Photonics Technology Letters, 2019, 31, 1213-1216.	2.5	3
220	Towards Plastic Optical Fiber Magnetic Field Sensors exploiting Magnetic Fluids and Multimode SPR-POF platforms. , 2020, , .		3
221	SPR based hybrid electro-optic biosensor for \hat{l}^2 -lactam antibiotics determination in water. , 2017, , .		3
222	A Molecularly Imprinted Polymer Based SPR Sensor for 2-Furaldehyde Determination in Oil Matrices. Applied Sciences (Switzerland), 2021, 11, 10390.	2.5	3
223	Second Harmonic Generation as a Tool for Measuring Mode Coupling, Pulse Length and Mode Size in Short Laser Pulses. Journal of Modern Optics, 1990, 37, 2085-2097.	1.3	2
224	Self-induced mismatching effects in harmonic generation with ultra-short laser pulses. Optics and Laser Technology, 1991, 23, 109-114.	4.6	2
225	Simulation and analysis of silicon electro-optic modulator utilizing a three-terminal active device and integrated in a silicon-on-insulator low-loss single-mode waveguide. , 1997, , .		2
226	Optical tomography for dielectric profiling in processing electronic materials. Chemical Engineering Journal, 2000, 77, 137-142.	12.7	2
227	<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
228	Design, fabrication and characterization of integrated antiresonant hollow core waveguides for photonics integrated circuits. , 0, , .		2
229	Extension of the maximum measuring range in distributed Brillouin fiber sensors by tuning the Stokes/anti-Stokes power ratio. , 2010, , .		2
230	Optical chemical sensor for oil-filled power transformer. , 2014, , .		2
231	Analysis of the Brillouin gain spectrum in a graded-index multimode fiber. , 2014, , .		2
232	Experimental results for characterization of a tapered plastic optical fiber sensor based on SPR. Proceedings of SPIE, 2015, , .	0.8	2
233	An optical platform for furfural detection in trasformer oil. , 2015, , .		2
234	Augmented workplace for SPR sensor application. , 2016, , .		2

#	Article	IF	CITATIONS
235	Experimental demonstration of a Brillouin optical frequency-domain reflectometry (BOFDR) sensor. , 2017, , .		2
236	A novel chemical optical sensor based on molecularly imprinted polymer, optical fibers and inkjet printing technology. , 2018, , .		2
237	Optical chemical fiber sensor for the detection of perfluorinated compounds in water. , 2018, , .		2
238	A Green Slab Waveguide for Plasmonic Sensors Based on Bacterial Cellulose. Proceedings (mdpi), 2019, 15, 36.	0.2	2
239	High spatial resolution physical and chemical sensing based on BOFDA. , 2019, , .		2
240	Molecularly Imprinted Polymers and Inkjet-Printer technology to develop Optical-Chemical Sensors. , 2022, , .		2
241	<title>Super-Gaussian mirrors based on thermo-optical effect</title> . , 1993, , .		1
242	Gain switched laser diodes for the characterization of subnanosecond voltage pulses. Optics Communications, 1994, 111, 276-280.	2.1	1
243	Optical probing of internal signals in silicon ICs. , 0, , .		1
244	Optical measurement of effective recombination lifetime in silicon epitaxial layers. Applied Physics Letters, 1997, 71, 1691-1693.	3.3	1
245	New experimental results of optically activated BMFET switches with different cell design. IEEE Transactions on Power Electronics, 1999, 14, 877-881.	7.9	1
246	Semiconductor laser diode array characterization by means of field intensity measurements. , 1999, 3626, 167.		1
247	<title>Simultaneous measurement of bulk and surface recombination lifetimes on asymmetrical silicon samples</title> . , 2000, 4076, 281.		1
248	Separation of bulk lifetime and surface recombination velocity by multiwavelength technique. Electronics Letters, 2002, 38, 1742.	1.0	1
249	A novel configuration for a wideâ€range highâ€power fiberâ€optic current sensor. European Transactions on Electrical Power, 1997, 7, 319-322.	1.0	1
250	Waveguide based optofluidics. Proceedings of SPIE, 2010, , .	0.8	1
251	Centimeter-range spatial resolution distributed sensing by BOFDA. Proceedings of SPIE, 2011, , .	0.8	1
252	Development of fiber optic ferrule-top cantilevers for sensing and beam-steering applications. Proceedings of SPIE, 2012, , .	0.8	1

#	Article	IF	CITATIONS
253	Distributed Strain and Temperature Sensing at CM-Scale Spatial Resolution by BOFDA. Lecture Notes in Electrical Engineering, 2012, , 235-239.	0.4	1
254	Modal analysis of a cantilever beam by use of the slope-assisted BOTDA method for damage identification. Proceedings of SPIE, 2013, , .	0.8	1
255	SPR sensors in POF: a new experimental configuration for extended refractive index range and better SNR. , 2014, , .		1
256	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
257	Refractometers for different refractive index range by surface plasmon resonance sensors in multimode optical fibers with different metals. Proceedings of SPIE, 2016, , .	0.8	1
258	Influence of laser phase noise on Brillouin optical time-domain analysis sensors. , 2016, , .		1
259	Practical limitations of the slope assisted BOTDA method in dynamic strain sensing. Proceedings of SPIE, 2016, , .	0.8	1
260	Simultaneous strain and temperature measurements using dual-wavelength BOTDA. Proceedings of SPIE, 2017, , .	0.8	1
261	Sweep BOTDA for fast distributed sensing. , 2017, , .		1
262	Moisture Measurement in Masonry Materials Using Active Distributed Optical Fiber Sensors. Lecture Notes in Electrical Engineering, 2018, , 149-154.	0.4	1
263	Chemical Sensors Based on Surface Plasmon Resonance in a Plastic Optical Fiber for Multianalyte Detection in Oil-Filled Power Transformer. Lecture Notes in Electrical Engineering, 2018, , 128-134.	0.4	1
264	Plasmonic Chemical and Biological Sensors based on plastic optical fibers. , 2018, , .		1
265	Toward an optical monitoring of chemical markers in transformers insulating oil. , 2019, , .		1
266	Effect of the photoresist aging in D-shaped POF SPR Sensors for biochemical applications. , 2019, , .		1
267	Novel Approaches to Realize Plasmonic Intrinsic and Extrinsic Optical Fiber Sensors with High Sensitivity. , 2019, , .		1
268	Sensing of Furfural by Molecularly Imprinted Polymers on Plasmonic and Electrochemical Platforms. Proceedings (mdpi), 2019, 15, 48.	0.2	1
269	An LSPR Sensor based on a thin slab waveguide of bacterial cellulose. , 2020, , .		1
270	Extrinsic plasmonic optical fiber sensors based on POFs and bacterial cellulose slab waveguides. , 2019, , .		1

#	Article	IF	CITATIONS
271	LONG-TERM TEMPERATURE MONITORING OF ACTIVE VOLCANIC AREAS BY DISTRIBUTED OPTICAL FIBER SENSORS. , 2008, , .		1
272	Sensing platforms exploiting surface plasmon resonance in polymeric optical fibers for chemical and biochemical applications. , 2015, , .		1
273	BRILLOUIN-BASED FIBER-OPTICS SENSORS FOR VECTORIAL DISLOCATION MONITORING OF PIPELINES. , 2008, , .		1
274	Dual Wavelength Botda for Strain/Temperature Discrimination. Lecture Notes in Electrical Engineering, 2018, , 25-28.	0.4	1
275	Brillouin sensing in optically heated Co2+-doped fibers. , 2019, , .		1
276	Environmental Monitoring Exploiting Optical Fiber Biosensors. The Case of Naphthalene Detection in Water. Lecture Notes in Electrical Engineering, 2020, , 65-69.	0.4	1
277	An Optical Fiber Sensor System for Uranium Detection in Water. , 2022, 16, .		1
278	Optical Coatings: Applications and Metrology. , 0, , .		1
279	Background-free autocorrelators by counter-propagating surface plasmons. Optics Communications, 1993, 100, 215-219.	2.1	0
280	<title>Lithium niobate electrically controlled super-Gaussian mirrors</title> . , 1994, 2150, 193.		0
281	A Novel Contactless Approach for Accurate Measurements of Electron-Hole Recombination Lifetime. Materials Science Forum, 1995, 173-174, 191-196.	0.3	0
282	Gain switched laser diodes for the characterization of subnanosecond voltage pulses (Optics Comm.) Tj ETQq0 0	0 ₁ gBT /O	verlock 10 Tf
283	Optical characterization of doping profiles in silicon. , 2000, , .		0
284	Separation of bulk lifetime and surface recombination velocity by multi-wavelength technique. , 2003, ,		0
285	Distributed fiber optic Brillouin sensing in the frequency domain. , 2004, 5502, 500.		0
286	Polymer-on-glass waveguide structure for efficient fluorescence-based optical biosensors. , 2005, , .		0
287	High-resolution distributed fiber-optic frequency-domain Brillouin sensing. , 2005, , .		0
288	Frequency-domain analysis of stimulated brillouin scattering in single-mode optical fibers. , 0, , .		0

#	Article	IF	CITATIONS
289	Fabrication and characterization of a liquid core integrated interferometer. , 2008, , .		0
290	Dynamic strain measurement at randomly addressed optical fiber positions using a time-domain Brillouin sensing system. Proceedings of SPIE, 2009, , .	0.8	0
291	Bridge monitoring by Brillouin-based distributed strain measurements. Proceedings of SPIE, 2010, , .	0.8	0
292	Distributed optical fibre sensor measurements on rods and bridge cable wires – Part II: Experimental. Bridge Structures, 2010, 6, 49-63.	0.4	0
293	Comment on: "Slow Light―in stimulated Brillouin scattering: on the influence of the spectral width of pump radiation on the group index. Optics Express, 2010, 18, 1788.	3.4	0
294	Differential pulse-width pair BOTDA with fast fall-time pulses. , 2011, , .		0
295	Liquid core integrated ring resonator. Proceedings of SPIE, 2011, , .	0.8	0
296	Optofluidics: waveguides and devices. Proceedings of SPIE, 2012, , .	0.8	0
297	Novel Approaches for CM-Scale Resolution and Long-Range Sensing by Stimulated Brillouin Scattering in Optical Fibers. Lecture Notes in Electrical Engineering, 2014, , 333-336.	0.4	0
298	Brillouin optical frequency domain analysis in polymer optical fiber. , 2014, , .		0
299	Modal analysis of an aluminum rectangular plate by use of the balanced-detection DPP-BOTDA method. , 2014, , .		0
300	Femtosecond stimulated Raman spectroscopy and preliminary steps for nonlinear microscopy. , 2015, , .		0
301	Brillouin Optical Time Domain Analysis Sensor for Active Vibration Control of a Cantilever Beam. Journal of Sensors, 2016, 2016, 1-6.	1.1	0
302	Performance of Ground Anchors Built in a Flysch Deposit. Procedia Earth and Planetary Science, 2016, 16, 71-80.	0.6	0
303	Thin metal bilayer for surface plasmon resonance sensors in a multimode plastic optical fiber: the case of palladium and gold metal films. , 2016, , .		0
304	A thermo-stabilized flow cell for surface plasmon resonance sensors in D-shaped plastic optical fibers. Proceedings of SPIE, 2016, , .	0.8	0
305	Analysis of SPR Sensors in d-Shaped POF Realized by Hand and Mechanical Polishing. Proceedings (mdpi), 2017, 1, 767.	0.2	0
306	SPR Chemosensors Based on D-Shaped POFs and MIPs: Investigation on Optimal Thickness of the Buffer Layer. Proceedings (mdpi), 2017, 1, .	0.2	0

#	Article	IF	CITATIONS
307	Numerical Results on the Exploitation of Gold Nanostructures in Plastic Optical Fibers Based Plasmonic Sensors. Lecture Notes in Electrical Engineering, 2018, , 127-134.	0.4	0
308	Exploiting Several Buffer Layers in SPR D-Shaped POF Sensors Based on Gold Film for Different Applications. Proceedings (mdpi), 2019, 15, 47.	0.2	0
309	Single drop detection of furfural in wine by an SPR sensor based on molecularly imprinted polymer as biomimetic receptor. , 2020, , .		0
310	Plastic Optical Fiber Sensors and Magnetic Fluids: Plasmonic Tunability and Sensing properties for Measurements. , 2020, , .		0
311	Magnetic Field Detection by an SPR Plastic Optical Fiber Sensor and Ferrofluids. Lecture Notes in Electrical Engineering, 2021, , 63-68.	0.4	Ο
312	Universal tool for surface plasmon resonance sensors realized in waveguides. , 2021, , .		0
313	ARROW STRUCTURES FOR SENSING APPLICATIONS. , 2004, , .		0
314	Advanced monitoring criteria for precocious alerting of rainfall-induced flowslides. , 2008, , 1157-1163.		0
315	Numerical and Experimental Characterization of a Ferrule-Top Cantilever Optical Fiber Sensor for Flow Velocity Measurements. Lecture Notes in Electrical Engineering, 2014, , 337-341.	0.4	Ο
316	Application of an integrated monitoring system for rock failures in the Coroglio tuff cliff (Naples,) Tj ETQq0 0 0	rgBT /Ove	lock 10 Tf 50
317	Surface Plasmon Resonance Sensor in Plastic Optical Fibers. Influence of the Mechanical Support Geometry on the Performances. Lecture Notes in Electrical Engineering, 2018, , 135-141.	0.4	0
318	Integrated System SPR Array Sensors based on Side Glow MMA Fibers. , 2018, , .		0
319	A Novel Intensity-Based Sensor Platform for Refractive Index Sensing. Lecture Notes in Electrical Engineering, 2019, , 269-273.	0.4	Ο
320	A Molecularly Imprinted Polymer on a Novel Surface Plasmon Resonance Sensor. Lecture Notes in Electrical Engineering, 2019, , 259-262.	0.4	0
321	Optical Chemical Sensing Exploiting Inkjet Printing Technology and Molecularly Imprinted Polymers. Lecture Notes in Electrical Engineering, 2020, , 71-74.	0.4	0
322	Long-Term Monitoring of a Tunnel in a Landslide Prone Area by Distributed Optical Fiber Sensors. , 2020, , .		0
323	Optical Chemo-Sensors for Specific Markers in Transformer Insulating Oil Exploiting Molecularly Imprinted Polymers and Plasmonic Optical Fibers. Engineering Proceedings, 2021, 11, .	0.4	0
324	Aptamer-Based Plasmonic Plastic Optical Fiber Biosensors: A Focus on Relevant Applications. Engineering Proceedings, 2021, 11, .	0.4	0

#	ARTICLE	IF	CITATIONS
325	Surface Plasmon Resonance Sensor Based on Inkjet 3D Printing. , 2021, 11, .		Ο
326	High-Resolution Distributed Liquid Level Sensor Based on a Self-Heating Approach. , 2021, 11, .		0