

Teng Chuanxin

List of Publications by Year in descending order

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27
papers

553
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516710

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all docs

27
docs citations

27
times ranked

350
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymer Optical Fiber Liquid Level Sensor: A Review. IEEE Sensors Journal, 2022, 22, 1081-1091.	4.7	69
2	Investigation of a Macro-Bending Tapered Plastic Optical Fiber for Refractive Index Sensing. IEEE Sensors Journal, 2016, 16, 7521-7525.	4.7	53
3	Investigation of a macrobending micro-plastic optical fiber for refractive index sensing. Applied Optics, 2014, 53, 8145.	2.1	32
4	The influence of temperature to a refractive index sensor based on a macro-bending tapered plastic optical fiber. Optical Fiber Technology, 2016, 31, 32-35.	2.7	31
5	Parallel Polished Plastic Optical Fiber-Based SPR Sensor for Simultaneous Measurement of RI and Temperature. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-8.	4.7	31
6	Investigation of refractive index sensors based on side-polished plastic optical fibers. Optical Fiber Technology, 2017, 36, 1-5.	2.7	27
7	A Liquid Level Sensor Based on a Race-Track Helical Plastic Optical Fiber. IEEE Photonics Technology Letters, 2017, 29, 158-160.	2.5	27
8	Liquid Level Sensor Based on a V-Groove Structure Plastic Optical Fiber. Sensors, 2018, 18, 3111.	3.8	26
9	Refractive Index Sensing based on a Side-Polished Macrobending Plastic Optical Fiber. IEEE Sensors Journal, 2014, , 1-1.	4.7	25
10	Plastic Optical Fiber Based SPR Sensor for Simultaneous Measurement of Refractive Index and Liquid Level. IEEE Sensors Journal, 2022, 22, 6677-6684.	4.7	22
11	Refractive Index Sensor Based on Twisted Tapered Plastic Optical Fibers. Photonics, 2019, 6, 40.	2.0	21
12	Intensity-Modulated Polymer Optical Fiber-Based Refractive Index Sensor: A Review. Sensors, 2022, 22, 81.	3.8	21
13	Refractive index sensor based on a multi-notched plastic optical fiber. Applied Optics, 2017, 56, 1833.	2.1	20
14	The Influence of Structural Parameters on the Surface Plasmon Resonance Sensor Based on a Side-Polished Macrobending Plastic Optical Fiber. IEEE Sensors Journal, 2020, 20, 4245-4250.	4.7	20
15	An Enhanced Plastic Optical Fiber-Based Surface Plasmon Resonance Sensor with a Double-Sided Polished Structure. Sensors, 2021, 21, 1516.	3.8	20
16	Displacement Sensor Based on a Small U-Shaped Single-Mode Fiber. Sensors, 2019, 19, 2531.	3.8	18
17	Temperature dependence of a refractive index sensor based on a macrobending micro-plastic optical fiber. Applied Optics, 2015, 54, 1890.	1.8	14
18	Temperature Dependence of a Refractive Index Sensor Based on Side-Polished Macrobending Plastic Optical Fiber. IEEE Sensors Journal, 2016, 16, 355-358.	4.7	14

#	ARTICLE	IF	CITATIONS
19	Investigation of U-shape tapered plastic optical fibers based surface plasmon resonance sensor for RI sensing. <i>Optik</i> , 2022, 251, 168461.	2.9	14
20	A Temperature Sensor Based on Composite Optical Waveguide. <i>Journal of Lightwave Technology</i> , 2022, 40, 2663-2669.	4.6	10
21	Investigation of a plastic optical fiber imprinted with V-groove structure for displacement sensing. <i>Optical Engineering</i> , 2019, 58, 1.	1.0	9
22	Wideband circular polarization converter based on graphene metasurface at terahertz frequencies. <i>Optical Engineering</i> , 2019, 58, 1.	1.0	7
23	Ultra-broadband perfect solar energy absorber based on tungsten ring arrays. <i>Engineering Research Express</i> , 2021, 3, 045020.	1.6	6
24	Design and Analysis of a Photon Counting System Using Covered Single-Photon Avalanche Photodiode. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022, 71, 1-9.	4.7	6
25	Twisted tapered plastic optical fibers for continuous liquid level sensing. <i>Optical Fiber Technology</i> , 2020, 59, 102318.	2.7	5
26	Wide-range frequency tunable absorber based on cross-groove metamaterials and graphene-sheet. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 255102.	2.8	4
27	Coherent Perfect Absorber Based on Antisymmetric Metasurface With Gain Material. <i>IEEE Photonics Journal</i> , 2020, 12, 1-9.	2.0	1