

# Teng Chuanxin

## List of Publications by Year in descending order

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27  
papers

553  
citations

516710

16  
h-index

642732

23  
g-index

27  
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	A Temperature Sensor Based on Composite Optical Waveguide. Journal of Lightwave Technology, 2022, 40, 2663-2669.	4.6	10
3	Investigation of U-shape tapered plastic optical fibers based surface plasmon resonance sensor for RI sensing. Optik, 2022, 251, 168461.	2.9	14
4	Design and Analysis of a Photon Counting System Using Covered Single-Photon Avalanche Photodiode. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-9.	4.7	6
5	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
6	Intensity-Modulated Polymer Optical Fiber-Based Refractive Index Sensor: A Review. Sensors, 2022, 22, 81.	3.8	21
7	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
8	An Enhanced Plastic Optical Fiber-Based Surface Plasmon Resonance Sensor with a Double-Sided Polished Structure. Sensors, 2021, 21, 1516.	3.8	20
9	Ultra-broadband perfect solar energy absorber based on tungsten ring arrays. Engineering Research Express, 2021, 3, 045020.	1.6	6
10	Twisted tapered plastic optical fibers for continuous liquid level sensing. Optical Fiber Technology, 2020, 59, 102318.	2.7	5
11	Coherent Perfect Absorber Based on Antisymmetric Metasurface With Gain Material. IEEE Photonics Journal, 2020, 12, 1-9.	2.0	1
12	Wide-range frequency tunable absorber based on cross-groove metamaterials and graphene-sheet. Journal Physics D: Applied Physics, 2020, 53, 255102.	2.8	4
13	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
14	Displacement Sensor Based on a Small U-Shaped Single-Mode Fiber. Sensors, 2019, 19, 2531.	3.8	18
15	Refractive Index Sensor Based on Twisted Tapered Plastic Optical Fibers. Photonics, 2019, 6, 40.	2.0	21
16	Wideband circular polarization converter based on graphene metasurface at terahertz frequencies. Optical Engineering, 2019, 58, 1.	1.0	7
17	Investigation of a plastic optical fiber imprinted with V-groove structure for displacement sensing. Optical Engineering, 2019, 58, 1.	1.0	9
18	Liquid Level Sensor Based on a V-Groove Structure Plastic Optical Fiber. Sensors, 2018, 18, 3111.	3.8	26

#	ARTICLE	IF	CITATIONS
19	Investigation of refractive index sensors based on side-polished plastic optical fibers. Optical Fiber Technology, 2017, 36, 1-5.	2.7	27
20	A Liquid Level Sensor Based on a Race-Track Helical Plastic Optical Fiber. IEEE Photonics Technology Letters, 2017, 29, 158-160.	2.5	27
21	Refractive index sensor based on a multi-notched plastic optical fiber. Applied Optics, 2017, 56, 1833.	2.1	20
22	Investigation of a Macro-Bending Tapered Plastic Optical Fiber for Refractive Index Sensing. IEEE Sensors Journal, 2016, 16, 7521-7525.	4.7	53
23	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
24	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
25	Temperature dependence of a refractive index sensor based on a macrobending micro-plastic optical fiber. Applied Optics, 2015, 54, 1890.	1.8	14
26	Investigation of a macrobending micro-plastic optical fiber for refractive index sensing. Applied Optics, 2014, 53, 8145.	2.1	32
27	Refractive Index Sensing based on a Side-Polished Macrobending Plastic Optical Fiber. IEEE Sensors Journal, 2014, , 1-1.	4.7	25