Yen-Sian Lee

List of Publications by Year
in descending order

24	277	933447 10	940533 16
papers	citations	h-index	g-index

24	24	24	369
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of ambient air pressure on synthesis of copper and copper oxide nanoparticles by wire explosion process. Current Applied Physics, 2012, 12, 199-203.	2.4	42
2	Signal enhancement of FBG-based cantilever accelerometer by resonance suppression using magnetic damper. Sensors and Actuators A: Physical, 2020, 304, 111895.	4.1	31
3	Understanding the mechanism of nanoparticle formation in wire explosion process. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 117, 1-6.	2.3	29
4	Effect of ambient gas species on the formation of Cu nanoparticles in wire explosion process. Current Applied Physics, 2012, 12, 1345-1348.	2.4	23
5	Curvature and Temperature Measurement Based on a Few-Mode PCF Formed M-Z-I and an Embedded FBG. Sensors, 2017, 17, 1725.	3.8	18
6	Pulsed laser deposition of Al-doped ZnO films on glass and polycarbonate. Journal of Nanophotonics, 2014, 8, 084091.	1.0	17
7	Dynamic LP01â€“LP11 Mode Conversion by a Tilted Binary Phase Plate. Journal of Lightwave Technology, 2017, 35, 3597-3603.	4.6	17
8	Investigation on effect of ambient pressure in wire explosion process for synthesis of copper nanoparticles by optical emission spectroscopy. Powder Technology, 2012, 222, 95-100.	4.2	15
9	The growth of nanostructured Cu2ZnSnS4 films by pulsed laser deposition. Applied Surface Science, 2015, 354, 42-47.	6.1	12
10	CO₂ Laser Applications in Optical Fiber Components Fabrication and Treatment: A Review. IEEE Sensors Journal, 2017, 17, 2961-2974.	4.7	12
11	Femtosecond and nanosecond pulsed laser deposition of silicon and germanium. Applied Surface Science, 2015, 354, 206-211.	6.1	10
12	Pseudohigh-Resolution Spectral Interrogation Scheme for Small Signals From FBG Sensors. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 2964-2970.	4.7	10
13	In-fiber Fabry Perot interferometer with narrow interference fringes for enhanced sensitivity in elastic wave detection. Optical Fiber Technology, 2019, 53, 102021.	2.7	8
14	Axial stress profiling for few-mode fiber Bragg grating based on resonant wavelength shifts during etching process. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 1894.	2.1	6
15	Mode Splitting Based on Polarization Manipulation in Few-Mode Fiber. IEEE Journal of Quantum Electronics, 2018, 54, 1-6.	1.9	5
16	Impact of binary gas on nanoparticle formation in wire explosion process: An understanding via arc plasma formation. Materials Letters, 2012, 81, 45-47.	2.6	4
17	Fabrication and characterization of laser-ablated cladding resonances of two different-diameter photosensitive optical fibers. Sensors and Actuators A: Physical, 2016, 243, 111-116.	4.1	4
18	LP11â€“LP01Mode Conversion Based on an Angled-Facet Two-Mode Fiber. IEEE Photonics Technology Letters, 2017, 29, 1007-1010.	2.5	4

#	Article	IF	Citations
19	LP₀₁â€“LP₁₁Cross-Mode Interference in a Chirped Grating Inscribed in Two-Mode Fiber. IEEE Journal of Quantum Electronics, 2016, 52, 1-6.	1.9	3
20	Enhanced Optical Delay Line in Few-Mode Fiber Based on Mode Conversion Using Few-Mode Fiber Bragg Gratings. IEEE Journal of Quantum Electronics, 2018, 54, 1-7.	1.9	3
21	Thermal activation of regenerated fiber Bragg grating in few mode fibers. Optical Fiber Technology, 2016, 28, 7-10.	2.7	2
22	Digital Matched Filtering (DMF) Technique for the Performance Enhancement of Few-Mode Fiber Bragg Grating Sensor. IEEE Sensors Journal, 2019, 19, 5653-5659.	4.7	1
23	Thermal characterization of phase difference among the LP modes in two-mode fibers based on numerical approach. Optik, 2020, 207, 164289.	2.9	1
24	Influence of Internal Stresses in Few-Mode Fiber on the Thermal Characteristics of Regenerated Gratings. Photonic Sensors, 2019, 9, 162-169.	5.0	0