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	Signal enhancement of FBG-based cantilever accelerometer by resonance suppression using magnetic damper. Sensors and Actuators A: Physical, 2020, 304, 111895.	4.1	31
2	Thermal characterization of phase difference among the LP modes in two-mode fibers based on numerical approach. Optik, 2020, 207, 164289.	2.9	1
3	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
4	Influence of Internal Stresses in Few-Mode Fiber on the Thermal Characteristics of Regenerated Gratings. Photonic Sensors, 2019, 9, 162-169.	5.0	0
5	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
6	Pseudohigh-Resolution Spectral Interrogation Scheme for Small Signals From FBG Sensors. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 2964-2970.	4.7	10
7	Mode Splitting Based on Polarization Manipulation in Few-Mode Fiber. IEEE Journal of Quantum Electronics, 2018, 54, 1-6.	1.9	5
8	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
9	Dynamic LP01â€“LP11 Mode Conversion by a Tilted Binary Phase Plate. Journal of Lightwave Technology, 2017, 35, 3597-3603.	4.6	17
10	LP11â€“LP01Mode Conversion Based on an Angled-Facet Two-Mode Fiber. IEEE Photonics Technology Letters, 2017, 29, 1007-1010.	2.5	4
11	CO₂ Laser Applications in Optical Fiber Components Fabrication and Treatment: A Review. IEEE Sensors Journal, 2017, 17, 2961-2974.	4.7	12
12	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
13	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
14	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
15	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
16	Thermal activation of regenerated fiber Bragg grating in few mode fibers. Optical Fiber Technology, 2016, 28, 7-10.	2.7	2
17	Femtosecond and nanosecond pulsed laser deposition of silicon and germanium. Applied Surface Science, 2015, 354, 206-211.	6.1	10
18	The growth of nanostructured Cu2ZnSnS4 films by pulsed laser deposition. Applied Surface Science, 2015, 354, 42-47.	6.1	12

#	Article	IF	Citations
19	Pulsed laser deposition of Al-doped ZnO films on glass and polycarbonate. Journal of Nanophotonics, 2014, 8, 084091.	1.0	17
20	Understanding the mechanism of nanoparticle formation in wire explosion process. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 117, 1-6.	2.3	29
21	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
22	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
23	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
24	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