Joseph W Haus

List of Publications by Year
in descending order

23	211	1163117 8	996975 15
papers	citations	h-index	g-index

23	23	23	349
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Interaction of Structured Light with a Chiral Plasmonic Metasurface: Giant Enhancement of Chiro-Optic Response. ACS Photonics, 2018, 5, 734-740.	6.6	27
2	A dual modality optical fiber sensor. Journal of Modern Optics, 2018, 65, 342-347.	1.3	4
3	Unraveling delocalized electrons in metal induced gap states from second harmonics. Applied Physics Letters, 2017, 111, .	3.3	3
4	Bi-tapered fiber sensor using visible to near infrared light. Sensors and Actuators A: Physical, 2017, 263, 285-290.	4.1	9
5	Numerical modeling of mode-locked fiber lasers with a fiber-based saturable-absorber. Optics Communications, 2017, 383, 386-390.	2.1	8
6	Magnetic Field Sensing Based on Bi-Tapered Optical Fibers Using Spectral Phase Analysis. Sensors, 2017, 17, 2393.	3.8	8
7	Bi-tapered fiber sensor using a supercontinuum light source. , 2017, , .		1
8	Chiral light intrinsically couples to extrinsic/pseudo-chiral metasurfaces made of tilted gold nanowires. Scientific Reports, 2016, 6, 31796.	3.3	54
9	Fiber-based saturable-absorber action based on a focusing Kerr effect. Optics Communications, 2016, 367, 292-298.	2.1	6
10	Phase sensitive signal analysis for bi-tapered optical fibers. Proceedings of SPIE, 2016, , .	0.8	0
11	Bitapered fiber sensor: Signal analysis. Sensors and Actuators B: Chemical, 2015, 218, 105-110.	7.8	22
12	Phase Shift Signal Analysis for Bitapered Fiber Sensors. , 2015, , .		0
13	Biosensing platform with tapered optical microfibers: new results. , 2014, , .		4
14	Image revivals in multi-mode optical fibers with periodic multiple sub-apertures. Optics Communications, 2014, 326, 57-63.	2.1	0
15	Tapered optical fibers for aqueous and gaseous phase biosensing applications. , 2013, , .		3
16	New propagation effects in semiconductors in the UV range: Inhibition of absorption, negative refraction, anomalous momentum states, sub-wavelength imaging, and non-plamonic nanometer-size guided waves. , 2009, , .		0
17	Fiber laser generating switchable radially and azimuthally polarized beams with 140 mW output power at 1.6â€‚Î¼m wavelength. Applied Physics Letters, 2009, 95, .	3.3	34
18	Plasmonic Notch Filter Design Based on Long-range Surface Plasmon Excitation Along Metal Grating. Plasmonics, 2008, 3, 103-108.	3.4	16

#	Article	IF	Citations
19	Experimental Performance of a Two-Stage Periodically Poled Lithium Niobate Parametric Amplifier. IEEE Journal of Quantum Electronics, 2008, 44, 203-208.	1.9	8
20	LONG RANGE SURFACE PLASMON DEVICES DESIGN USING SUBWAVELENGTH METAL GRATING. Journal of Nonlinear Optical Physics and Materials, 2008, 17, 413-423.	1.8	2
21	Superradiance in a Two-Dimensional Photonic Bandgap Structure. IEEE Journal of Selected Topics in Quantum Electronics, 2006, 12, 1135-1142.	2.9	1
22	A New Form of Flat Optics Enabled by Electrowetting Microprisms. , 2006, , .		0
23	The method of multiple scales applied to photonic band gap structures. AIP Conference Proceedings, 2001, , .	0.4	1