

Wei-Chih Wang

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

262
citations

1306789

7
h-index

940134

16
g-index

38
all docs

38
docs citations

38
times ranked

351
citing authors

#	ARTICLE	IF	CITATIONS
1	Three cases of discontinuous refractive index in metamaterial study. Scientific Reports, 2022, 12, 3558.	1.6	2
2	Design of an ultra-wideband omnidirectional and polarization insensitive flower petal antenna for potential ambient electromagnetic energy harvesting applications. Scientific Reports, 2022, 12, 6096.	1.6	4
3	Design and Analysis of a PDLC-Based Reconfigurable Hilbert Fractal Antenna for Large and Fine THz Frequency Tuning. Micromachines, 2022, 13, 964.	1.4	3
4	Integration of SMP with PVDF Unimorph for Bending Enhancement. Polymers, 2021, 13, 415.	2.0	4
5	Electrostatic Self-Assembly of Composite Nanofiber Yarn. Polymers, 2021, 13, 12.	2.0	28
6	Design and Fabrication of a Push-Pull Electrostatic Actuated Cantilever Waveguide Scanner. Micromachines, 2019, 10, 432.	1.4	3
7	A design for autonomous self-building blocks. Journal of Reliable Intelligent Environments, 2019, 5, 115-128.	3.8	2
8	Measurement and modeling of electrowetting lens oscillations using digital holographic interferometry and Bessel and Legendre polynomial functions. Optics Express, 2019, 27, 17274.	1.7	5
9	An analysis of diamagnetic levitation away from a suspending magnet's central axis. AIP Advances, 2018, 8, .	0.6	1
10	Optical encryption using a liquid phase mask. OSA Continuum, 2018, 1, 1026.	1.8	5
11	Inkjet-printed multi-parameter measuring sensor. Proceedings of SPIE, 2017, , .	0.8	1
12	Midinfrared radiation energy harvesting device. Journal of Photonics for Energy, 2017, 7, 038001.	0.8	2
13	Design and Characteristics of Dual-Core Photonic Crystal Fiber Doppler Differential Velocimeter. International Journal of Optomechatronics, 2015, 9, 195-210.	3.3	0
14	Polymeric Micro Sensors and Actuators. Sensors, 2014, 14, 15065-15066.	2.1	2
15	Improved Processing and Methods for Manufacturing Cellulose Nanocrystal Films. , 2014, , .		2
16	Viscosity Measurement Using Microcantilever Sensor. , 2014, , .		0
17	Development of a 3D Controller Using LEDs and Sensors. , 2014, , .		0
18	Wrinkled SiGe Nanofilms as a Source of Terahertz Radiation. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
19	Using a Time of Flight method for underwater 3-dimensional depth measurements and point cloud imaging. , 2014, , .		9
20	Energy Dissipation of Electromagnetic Absorber in Terahertz Gap. , 2014, , .		0
21	Design of a PZT Actuated Cantilever Waveguide Scanner Using an Aerosol Deposition Process. , 2014, , .		1
22	Liquid viscosity sensing using nonlinear vibration of a fiberoptic sensor. Review of Scientific Instruments, 2013, 84, 075007.	0.6	5
23	Tunable terahertz fishnet metamaterial. Applied Physics Letters, 2013, 102, .	1.5	36
24	A polymeric fiber-optic metal profile detector. Journal of Intelligent Material Systems and Structures, 2013, 24, 318-325.	1.4	0
25	Full extraction methods to retrieve effective refractive index and parameters of a bianisotropic metamaterial based on material dispersion models. Journal of Applied Physics, 2012, 112, 064907.	1.1	25
26	1-D electro-optic beam steering device. Sensors and Actuators A: Physical, 2012, 188, 277-284.	2.0	2
27	1-D electro-optic beam steering device. , 2011, , .		0
28	Fiberoptic metal detector capable of profile detection. , 2011, 7984, .		2
29	Compact Liquid Crystal Based Fourier Transform Spectrometer System. International Journal of Optomechatronics, 2010, 4, 157-176.	3.3	4
30	Scanning Polymeric Waveguide Design of a 2-D Display System. Journal of Display Technology, 2008, 4, 28-38.	1.3	10
31	Fiberoptic bend loss viscometer. , 2008, , .		1
32	Fabrication of Bragg grating on rib waveguide using solvent assisted microcontact molding. , 2008, , .		0
33	Development of a Microfabricated Optical Bend Loss Sensor for Distributive Pressure Measurement. IEEE Transactions on Biomedical Engineering, 2008, 55, 614-625.	2.5	12
34	Composite Optical Bend Loss Sensor for Pressure and Shear Measurement. IEEE Sensors Journal, 2007, 7, 1554-1565.	2.4	25
35	Transducing mechanical force by use of a diffraction grating sensor. Applied Optics, 2006, 45, 1893.	2.1	4
36	A shear and plantar pressure sensor based on fiber-optic bend loss. Journal of Rehabilitation Research and Development, 2005, 42, 315.	1.6	60

#	ARTICLE	IF	CITATIONS
37	Deep reactive ion etching of silicon using an aluminum etching mask. , 0, , .		1