JeongWeon Wu

List of Publications by Year
in descending order

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		471509	361022
54	1,332	17	35
papers	citations	h-index	g-index

55	55	55	1987
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Terahertz imaging with metamaterials for biological applications. Sensors and Actuators B: Chemical, 2022, 352, 130993.	7.8	36
2	Editorial on special issue: â€œMetamaterials and plasmonics in Asiaâ€• Nanophotonics, 2022, 11, 1655-1658.	6.0	0
3	Ïƒâ€Conjugation and Hâ€Bondâ€Directed Supramolecular Selfâ€Assembly: Key Features for Efficient Longâ€Lived Room Temperature Phosphorescent Organic Molecular Crystals. Angewandte Chemie - International Edition, 2021, 60, 2446-2454.	13.8	29
4	Ïƒâ€Conjugation and Hâ€Bondâ€Directed Supramolecular Selfâ€Assembly: Key Features for Efficient Longâ€Lived Room Temperature Phosphorescent Organic Molecular Crystals. Angewandte Chemie, 2021, 133, 2476-2484.	2.0	9
5	Realizing Nearâ€Infrared Laser Dyes through a Shift inÂExcitedâ€State Absorption. Advanced Optical Materials, 2021, 9, 2001947.	7.3	19
6	Natural Hyperbolic Dispersion with Anisotropic Epsilonâ€Nearâ€Zero and Epsilonâ€Nearâ€Pole in Squaraine Molecular Film. Advanced Optical Materials, 2021, 9, 2101091.	7.3	5
7	Effect of the electron donating group on the excited-state electronic nature and epsilon-near-zero properties of curcuminoid-borondifluoride dyes. RSC Advances, 2021, 11, 38247-38257.	3.6	5
8	Color-Tunable Low-Threshold Amplified Spontaneous Emission from Yellow to Near-Infrared (NIR) Based on Donorâ€“Spacerâ€“Acceptorâ€“Spacerâ€“Donor Linear Dyes. , 2020, 2, 1567-1574.		18
9	Optical spin-dependent beam separation in cyclic group symmetric metasurface. Nanophotonics, 2020, 9, 3459-3471.	6.0	5
10	Editorial on special issue â€œMetamaterials and Plasmonics in Asiaâ€• Nanophotonics, 2020, 9, 3045-3047.	6.0	0
11	Donorâ€“Acceptor Distance-Dependent Charge Transfer Dynamics Controlled by Metamaterial Structures. ACS Photonics, 2019, 6, 2649-2654.	6.6	10
12	A solvent-free and vacuum-free melt-processing method to fabricate organic semiconducting layers with large crystal size for organic electronic applications. Journal of Materials Chemistry C, 2019, 7, 3190-3198.	5.5	13
13	Organic Monolithic Natural Hyperbolic Material. ACS Photonics, 2019, 6, 1681-1689.	6.6	20
14	Terahertz optical characteristics of two types of metamaterials for molecule sensing. Optics Express, 2019, 27, 19042.	3.4	22
15	Blue-Shifting Intramolecular Charge Transfer Emission by Nonlocal Effect of Hyperbolic Metamaterials. Nano Letters, 2018, 18, 1476-1482.	9.1	27
16	High-efficiency electroluminescence and amplified spontaneous emission from a thermally activated delayed fluorescent near-infrared emitter. Nature Photonics, 2018, 12, 98-104.	31.4	421
17	Near-Infrared Electroluminescence and Low Threshold Amplified Spontaneous Emission above 800 nm from a Thermally Activated Delayed Fluorescent Emitter. Chemistry of Materials, 2018, 30, 6702-6710.	6.7	119
18	Strong Nonlinear Optical Response in the Visible Spectral Range with Epsilonâ€Nearâ€Zero Organic Thin Films. Advanced Optical Materials, 2018, 6, 1701400.	7.3	34

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19	Strong Light Confinement in Metal-Coated Si Nanopillars: Interplay of Plasmonic Effects and Geometric Resonance. Nanoscale Research Letters, 2017, 12, 151.	5.7	2
20	Ethynylene-analogues of hemicurcuminoids: Synthesis and ground- and excited properties of their boron difluoride complexes. Dyes and Pigments, 2017, 141, 38-47.	3.7	6
21	Timeâ€Resolved Pumpâ€“Probe Measurement of Optical Rotatory Dispersion in Chiral Metamaterial. Advanced Optical Materials, 2017, 5, 1700141.	7.3	5
22	Boron difluoride hemicurcuminoid as an efficient far red to near-infrared emitter: toward OLEDs and laser dyes. Chemical Communications, 2017, 53, 7003-7006.	4.1	86
23	Charge-transfer dynamics and nonlocal dielectric permittivity tuned with metamaterial structures as solvent analogues. Nature Materials, 2017, 16, 722-729.	27.5	33
24	Structureâ€“charge transfer property relationship in self-assembled discotic liquid-crystalline donorâ€“acceptor dyad and triad thin films. RSC Advances, 2016, 6, 57811-57819.	3.6	17
25	Borondifluoride complexes of hemicurcuminoids as bio-inspired pushâ€“pull dyes for bioimaging. Organic and Biomolecular Chemistry, 2016, 14, 1311-1324.	2.8	40
26	Enhanced organic solar cells efficiency through electronic and electro-optic effects resulting from charge transfers in polymer hole transport blends. Journal of Materials Chemistry A, 2016, 4, 4252-4263.	10.3	24
27	Control of optical spin Hall shift in phase-discontinuity metasurface by weak value measurement post-selection. Scientific Reports, 2015, 5, 13900.	3.3	8
28	Electro-optic switching in metamaterial by liquid crystal. Nano Convergence, 2015, 2, 23.	12.1	10
29	Tuning the Direction of Intramolecular Charge Transfer and the Nature of the Fluorescent State in a T-Shaped Molecular Dyad. Journal of Physical Chemistry A, 2015, 119, 6283-6295.	2.5	29
30	Optical Properties of Laser Lines and Fluorescent Spectrum in Cholesteric Liquid Crystal Laser. Journal of Nanoscience and Nanotechnology, 2015, 15, 7632-7639.	0.9	4
31	Spatiotemporal path discontinuities of wavepackets propagating across a meta-atom. Scientific Reports, 2015, 4, 4634.	3.3	5
32	Double Fano resonances in a composite metamaterial possessing tripod plasmonic resonances. Journal of Optics (United Kingdom), 2015, 17, 025103.	2.2	10
33	Temporal, Thermal, and Light Stability of Continuously Tunable Cholesteric Liquid Crystal Laser Array. Journal of Nanoscience and Nanotechnology, 2014, 14, 8288-8295.	0.9	3
34	Electro-optic switching in phase-discontinuity complementary metasurface twisted nematic cell. Optics Express, 2014, 22, 20816.	3.4	14
35	Charge carrier mobility study of a mesogenic thienothiophene derivative in bulk and thin films. Organic Electronics, 2014, 15, 943-953.	2.6	24
36	Photophysical, amplified spontaneous emission and charge transport properties of oligofluorene derivatives in thin films. Physical Chemistry Chemical Physics, 2014, 16, 16941-16956.	2.8	48

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37	Fabrication of polarization-dependent reflective metamaterial by focused ion beam milling. Nanotechnology, 2013, 24, 015306.	2.6	12
38	Reflection resonance switching in metamaterial twisted nematics cell. Optics Express, 2013, 21, 17492.	3.4	9
39	Solvent-free fluidic organic dye lasers. Optics Express, 2013, 21, 11368.	3.4	23
40	Anisotropic change in THz resonance of planar metamaterials by liquid crystal and carbon nanotube. Optics Express, 2012, 20, 15440.	3.4	12
41	Temporally Stable and Continuously Tunable Laser Device Fabricated Using Polymerized Cholesteric Liquid Crystals. Japanese Journal of Applied Physics, 2012, 51, 082702.	1.5	3
42	Temporally Stable and Continuously Tunable Laser Device Fabricated Using Polymerized Cholesteric Liquid Crystals. Japanese Journal of Applied Physics, 2012, 51, 082702.	1.5	7
43	Continuous Spatial Tuning of Laser Emissions in a Full Visible Spectral Range. International Journal of Molecular Sciences, 2011, 12, 2007-2018.	4.1	10
44	Broadband Cavityâ€Mode Lasing from Dyeâ€Doped Nematic Liquid Crystals Sandwiched by Broadband Cholesteric Liquid Crystal Bragg Reflectors. Advanced Materials, 2010, 22, 2680-2684.	21.0	58
45	Electro-optic Kerr effect in the isotropic phase above the columnar phase of a urea derivative. Physical Review E, 2007, 75, 050701.	2.1	7
46	Nano Woodpile Structure via Two Photon Absorption Polymerization. , 2007, , .		0
47	Bandgap of a three-dimensional dyed polystyrene photonic crystal from optical absorption. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 958.	2.1	1
48	Picosecond nonlinear optical transmission measurement in SiO₂/TiO₂ one-dimensional photonic crystals. , 2006, 6352, 839.		0
49	Fabrication of nano woodpile structure. , 2006, 6352, 163.		1
50	Self-Assembled Silica Photonic Crystal as a Liquid-Crystal Alignment Layer and its Electro-optic Applications in Fabry-Perot Cavity Structures. Advanced Materials, 2004, 16, 1725-1729.	21.0	15
51	Electro-optic response of an electrostatically self-assembled single polymeric monolayer in attenuated total reflection configuration. Optics Communications, 2004, 240, 29-38.	2.1	3
52	Pulse-laser electroholography by use of interference fringe patterns captured by a CCD. Applied Optics, 2004, 43, 5600.	2.1	3
53	Rigidity Dependence of Alignment and Relaxation in Main-Chain Nonlinear Optical Polymers Measured by Optical and Electrical Method. Molecular Crystals and Liquid Crystals, 2000, 349, 99-102.	0.3	1
54	Anionic Living Polymerization of Monomers with Photo-Electronic Properties for Control of Polymeric Nano Architectures. Molecular Crystals and Liquid Crystals, 2000, 349, 9-14.	0.3	6