

JeongWeon Wu

List of Publications by Year in descending order

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54
papers

1,332
citations

471509

17
h-index

361022

35
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55
all docs

55
docs citations

55
times ranked

1987
citing authors

#	ARTICLE	IF	CITATIONS
1	High-efficiency electroluminescence and amplified spontaneous emission from a thermally activated delayed fluorescent near-infrared emitter. <i>Nature Photonics</i> , 2018, 12, 98-104.	31.4	421
2	Near-Infrared Electroluminescence and Low Threshold Amplified Spontaneous Emission above 800 nm from a Thermally Activated Delayed Fluorescent Emitter. <i>Chemistry of Materials</i> , 2018, 30, 6702-6710.	6.7	119
3	Boron difluoride hemicurcuminoid as an efficient far red to near-infrared emitter: toward OLEDs and laser dyes. <i>Chemical Communications</i> , 2017, 53, 7003-7006.	4.1	86
4	Broadband Cavity-Mode Lasing from Dye-Doped Nematic Liquid Crystals Sandwiched by Broadband Cholesteric Liquid Crystal Bragg Reflectors. <i>Advanced Materials</i> , 2010, 22, 2680-2684.	21.0	58
5	Photophysical, amplified spontaneous emission and charge transport properties of oligofluorene derivatives in thin films. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 16941-16956.	2.8	48
6	Boron difluoride complexes of hemicurcuminoids as bio-inspired push-pull dyes for bioimaging. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 1311-1324.	2.8	40
7	Terahertz imaging with metamaterials for biological applications. <i>Sensors and Actuators B: Chemical</i> , 2022, 352, 130993.	7.8	36
8	Strong Nonlinear Optical Response in the Visible Spectral Range with Epsilon-Near-Zero Organic Thin Films. <i>Advanced Optical Materials</i> , 2018, 6, 1701400.	7.3	34
9	Charge-transfer dynamics and nonlocal dielectric permittivity tuned with metamaterial structures as solvent analogues. <i>Nature Materials</i> , 2017, 16, 722-729.	27.5	33
10	Tuning the Direction of Intramolecular Charge Transfer and the Nature of the Fluorescent State in a T-Shaped Molecular Dyad. <i>Journal of Physical Chemistry A</i> , 2015, 119, 6283-6295.	2.5	29
11	π -Conjugation and π -Bond-Directed Supramolecular Self-Assembly: Key Features for Efficient Long-Lived Room Temperature Phosphorescent Organic Molecular Crystals. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2446-2454.	13.8	29
12	Blue-Shifting Intramolecular Charge Transfer Emission by Nonlocal Effect of Hyperbolic Metamaterials. <i>Nano Letters</i> , 2018, 18, 1476-1482.	9.1	27
13	Charge carrier mobility study of a mesogenic thienothiophene derivative in bulk and thin films. <i>Organic Electronics</i> , 2014, 15, 943-953.	2.6	24
14	Enhanced organic solar cells efficiency through electronic and electro-optic effects resulting from charge transfers in polymer hole transport blends. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4252-4263.	10.3	24
15	Solvent-free fluidic organic dye lasers. <i>Optics Express</i> , 2013, 21, 11368.	3.4	23
16	Terahertz optical characteristics of two types of metamaterials for molecule sensing. <i>Optics Express</i> , 2019, 27, 19042.	3.4	22
17	Organic Monolithic Natural Hyperbolic Material. <i>ACS Photonics</i> , 2019, 6, 1681-1689.	6.6	20
18	Realizing Near-Infrared Laser Dyes through a Shift in Excited-State Absorption. <i>Advanced Optical Materials</i> , 2021, 9, 2001947.	7.3	19

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19	Color-Tunable Low-Threshold Amplified Spontaneous Emission from Yellow to Near-Infrared (NIR) Based on Donor-“Spacer”-Acceptor-“Spacer”-Donor Linear Dyes. , 2020, 2, 1567-1574.		18
20	Structure-charge transfer property relationship in self-assembled discotic liquid-crystalline donor-acceptor dyad and triad thin films. RSC Advances, 2016, 6, 57811-57819.	3.6	17
21	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
22	Electro-optic switching in phase-discontinuity complementary metasurface twisted nematic cell. Optics Express, 2014, 22, 20816.	3.4	14
23	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
24	Anisotropic change in THz resonance of planar metamaterials by liquid crystal and carbon nanotube. Optics Express, 2012, 20, 15440.	3.4	12
25	Fabrication of polarization-dependent reflective metamaterial by focused ion beam milling. Nanotechnology, 2013, 24, 015306.	2.6	12
26	Continuous Spatial Tuning of Laser Emissions in a Full Visible Spectral Range. International Journal of Molecular Sciences, 2011, 12, 2007-2018.	4.1	10
27	Electro-optic switching in metamaterial by liquid crystal. Nano Convergence, 2015, 2, 23.	12.1	10
28	Double Fano resonances in a composite metamaterial possessing tripod plasmonic resonances. Journal of Optics (United Kingdom), 2015, 17, 025103.	2.2	10
29	Donor-Acceptor Distance-Dependent Charge Transfer Dynamics Controlled by Metamaterial Structures. ACS Photonics, 2019, 6, 2649-2654.	6.6	10
30	Reflection resonance switching in metamaterial twisted nematics cell. Optics Express, 2013, 21, 17492.	3.4	9
31	π-Conjugation and H-Bond-Directed Supramolecular Self-Assembly: Key Features for Efficient Long-Lived Room Temperature Phosphorescent Organic Molecular Crystals. Angewandte Chemie, 2021, 133, 2476-2484.	2.0	9
32	Control of optical spin Hall shift in phase-discontinuity metasurface by weak value measurement post-selection. Scientific Reports, 2015, 5, 13900.	3.3	8
33	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
34	Temporally Stable and Continuously Tunable Laser Device Fabricated Using Polymerized Cholesteric Liquid Crystals. Japanese Journal of Applied Physics, 2012, 51, 082702.	1.5	7
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	Spatiotemporal path discontinuities of wavepackets propagating across a meta-atom. Scientific Reports, 2015, 4, 4634.	3.3	5
38	Time-Resolved Pump-Probe Measurement of Optical Rotatory Dispersion in Chiral Metamaterial. Advanced Optical Materials, 2017, 5, 1700141.	7.3	5
39	Natural Hyperbolic Dispersion with Anisotropic Epsilon-Near-Zero and Epsilon-Near-Pole in Squaraine Molecular Film. Advanced Optical Materials, 2021, 9, 2101091.	7.3	5
40	Optical spin-dependent beam separation in cyclic group symmetric metasurface. Nanophotonics, 2020, 9, 3459-3471.	6.0	5
41	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
42	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
43	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
44	Pulse-laser electroholography by use of interference fringe patterns captured by a CCD. Applied Optics, 2004, 43, 5600.	2.1	3
45	Temporally Stable and Continuously Tunable Laser Device Fabricated Using Polymerized Cholesteric Liquid Crystals. Japanese Journal of Applied Physics, 2012, 51, 082702.	1.5	3
46	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
47	Strong Light Confinement in Metal-Coated Si Nanopillars: Interplay of Plasmonic Effects and Geometric Resonance. Nanoscale Research Letters, 2017, 12, 151.	5.7	2
48	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
49	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
50	Fabrication of nano woodpile structure. , 2006, 6352, 163.		1
51	Picosecond nonlinear optical transmission measurement in SiO ₂ /TiO ₂ one-dimensional photonic crystals. , 2006, 6352, 839.		0
52	Nano Woodpile Structure via Two Photon Absorption Polymerization. , 2007, , .		0
53	Editorial on special issue "Metamaterials and Plasmonics in Asia". Nanophotonics, 2020, 9, 3045-3047.	6.0	0
54	Editorial on special issue: "Metamaterials and plasmonics in Asia". Nanophotonics, 2022, 11, 1655-1658.	6.0	0