

Xin Yu Chin

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,633
citations

516561

16
h-index

580701

25
g-index

27
all docs

27
docs citations

27
times ranked

3563
citing authors

#	ARTICLE	IF	CITATIONS
1	Lead iodide perovskite light-emitting field-effect transistor. <i>Nature Communications</i> , 2015, 6, 7383.	5.8	641
2	Highly Efficient Thermally Co-evaporated Perovskite Solar Cells and Mini-modules. <i>Joule</i> , 2020, 4, 1035-1053.	11.7	257
3	Self-assembled hierarchical nanostructured perovskites enable highly efficient LEDs via an energy cascade. <i>Energy and Environmental Science</i> , 2018, 11, 1770-1778.	15.6	135
4	Room-temperature 2D semiconductor activated vertical-cavity surface-emitting lasers. <i>Nature Communications</i> , 2017, 8, 543.	5.8	102
5	Self-assembly of a robust hydrogen-bonded octylphosphonate network on cesium lead bromide perovskite nanocrystals for light-emitting diodes. <i>Nanoscale</i> , 2019, 11, 12370-12380.	2.8	67
6	High-Q Plasmonic Fano Resonance for Multiband Surface-Enhanced Infrared Absorption of Molecular Vibrational Sensing. <i>Advanced Optical Materials</i> , 2017, 5, 1600559.	3.6	59
7	Brightness Enhancement in Pulsed-Operated Perovskite Light-Emitting Transistors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 37316-37325.	4.0	46
8	Large Polaron Self-Trapped States in Three-Dimensional Metal-Halide Perovskites. , 2020, 2, 20-27.		33
9	High-Q Whispering-Gallery-Mode-Based Plasmonic Fano Resonances in Coupled Metallic Metasurfaces at Near Infrared Frequencies. <i>Advanced Optical Materials</i> , 2016, 4, 1295-1301.	3.6	32
10	Cesium Lead Halide Perovskite Nanocrystals Prepared by Anion Exchange for Light-Emitting Diodes. <i>ACS Applied Nano Materials</i> , 2020, 3, 1766-1774.	2.4	30
11	Temperature and Electrical Poling Effects on Ionic Motion in MAPbI ₃ Photovoltaic Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1700265.	10.2	26
12	Deterministic Light Yield, Fast Scintillation, and Microcolumn Structures in Lead Halide Perovskite Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2021, 125, 14082-14088.	1.5	25
13	Design of 2D Templating Molecules for Mixed-Dimensional Perovskite Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2020, 32, 8097-8105.	3.2	24
14	Stable Sn ²⁺ doped FAPbI ₃ nanocrystals for near-infrared LEDs. <i>Chemical Communications</i> , 2019, 55, 5451-5454.	2.2	21
15	Mapping polarons in polymer FETs by charge modulation microscopy in the mid-infrared. <i>Scientific Reports</i> , 2014, 4, 3626.	1.6	18
16	Controlling Spontaneous Emission from Perovskite Nanocrystals with Metal-“Emitter”-Metal Nanostructures. <i>Crystals</i> , 2021, 11, 1.	1.0	17
17	Independent Tailoring of Super-Radiant and Sub-Radiant Modes in High-Q Plasmonic Fano Resonant Metasurfaces. <i>Advanced Optical Materials</i> , 2016, 4, 1860-1866.	3.6	16
18	Ambipolar charge distribution in donor-acceptor polymer field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2017, 5, 754-762.	2.7	15

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19	High-Q plasmonic infrared absorber for sensing of molecular resonances in hybrid lead halide perovskites. <i>Journal of Applied Physics</i> , 2017, 122, .	1.1	15
20	Enhanced Sb ₂ S ₃ crystallisation by electric field induced silver doping. <i>Thin Solid Films</i> , 2016, 616, 80-85.	0.8	13
21	Perovskite templating via a bathophenanthroline additive for efficient light-emitting devices. <i>Journal of Materials Chemistry C</i> , 2018, 6, 2295-2302.	2.7	12
22	Three-Dimensional Resonant Exciton in Monolayer Tungsten Diselenide Actuated by Spin-Orbit Coupling. <i>ACS Nano</i> , 2019, 13, 14529-14539.	7.3	10
23	Precursor non-stoichiometry to enable improved CH ₃ NH ₃ PbBr ₃ nanocrystal LED performance. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 5918-5925.	1.3	6
24	Modulation of New Excitons in Transition Metal Dichalcogenide-Perovskite Oxide System. <i>Advanced Science</i> , 2019, 6, 1900446.	5.6	6
25	AC-driven perovskite light-emitting field-effect transistors. , 2017, , .		3
26	Excitons: Modulation of New Excitons in Transition Metal Dichalcogenide-Perovskite Oxide System (Adv. Sci. 12/2019). <i>Advanced Science</i> , 2019, 6, 1970073.	5.6	3
27	Photovoltaics: Temperature and Electrical Poling Effects on Ionic Motion in MAPbI ₃ Photovoltaic Cells (Adv. Energy Mater. 18/2017). <i>Advanced Energy Materials</i> , 2017, 7, .	10.2	1