Xin Yu Chin

List of Publications by Year
in descending order

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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	Deterministic Light Yield, Fast Scintillation, and Microcolumn Structures in Lead Halide Perovskite Nanocrystals. Journal of Physical Chemistry C, 2021, 125, 14082-14088.	1.5	25
2	Controlling Spontaneous Emission from Perovskite Nanocrystals with Metalâ€“Emitterâ€“Metal Nanostructures. Crystals, 2021, 11, 1.	1.0	17
3	Large Polaron Self-Trapped States in Three-Dimensional Metal-Halide Perovskites. , 2020, 2, 20-27.		33
4	Design of 2D Templating Molecules for Mixed-Dimensional Perovskite Light-Emitting Diodes. Chemistry of Materials, 2020, 32, 8097-8105.	3.2	24
5	Cesium Lead Halide Perovskite Nanocrystals Prepared by Anion Exchange for Light-Emitting Diodes. ACS Applied Nano Materials, 2020, 3, 1766-1774.	2.4	30
6	Highly Efficient Thermally Co-evaporated Perovskite Solar Cells and Mini-modules. Joule, 2020, 4, 1035-1053.	11.7	257
7	Excitons: Modulation of New Excitons in Transition Metal Dichalcogenideâ€Perovskite Oxide System (Adv. Sci. 12/2019). Advanced Science, 2019, 6, 1970073.	5.6	3
8	Three-Dimensional Resonant Exciton in Monolayer Tungsten Diselenide Actuated by Spinâ€“Orbit Coupling. ACS Nano, 2019, 13, 14529-14539.	7.3	10
9	Self-assembly of a robust hydrogen-bonded octylphosphonate network on cesium lead bromide perovskite nanocrystals for light-emitting diodes. Nanoscale, 2019, 11, 12370-12380.	2.8	67
10	Modulation of New Excitons in Transition Metal Dichalcogenideâ€Perovskite Oxide System. Advanced Science, 2019, 6, 1900446.	5.6	6
11	Stable Sn²⁺ doped FAPbI₃ nanocrystals for near-infrared LEDs. Chemical Communications, 2019, 55, 5451-5454.	2.2	21
12	Precursor non-stoichiometry to enable improved CH₃NH₃PbBr₃ nanocrystal LED performance. Physical Chemistry Chemical Physics, 2018, 20, 5918-5925.	1.3	6
13	Perovskite templating via a bathophenanthroline additive for efficient light-emitting devices. Journal of Materials Chemistry C, 2018, 6, 2295-2302.	2.7	12
14	Self-assembled hierarchical nanostructured perovskites enable highly efficient LEDs via an energy cascade. Energy and Environmental Science, 2018, 11, 1770-1778.	15.6	135
15	Brightness Enhancement in Pulsed-Operated Perovskite Light-Emitting Transistors. ACS Applied Materials & Interfaces, 2018, 10, 37316-37325.	4.0	46
16	Temperature and Electrical Poling Effects on Ionic Motion in MAPbI₃ Photovoltaic Cells. Advanced Energy Materials, 2017, 7, 1700265.	10.2	26
17	Ambipolar charge distribution in donorâ€“acceptor polymer field-effect transistors. Journal of Materials Chemistry C, 2017, 5, 754-762.	2.7	15
18	High-Q plasmonic infrared absorber for sensing of molecular resonances in hybrid lead halide perovskites. Journal of Applied Physics, 2017, 122, .	1.1	15

#	Article	IF	Citations
19	Room-temperature 2D semiconductor activated vertical-cavity surface-emitting lasers. Nature Communications, 2017, 8, 543.	5.8	102
20	Photovoltaics: Temperature and Electrical Poling Effects on Ionic Motion in MAPbI₃ Photovoltaic Cells (Adv. Energy Mater. 18/2017). Advanced Energy Materials, 2017, 7, .	10.2	1
21	Highâ€Q Plasmonic Fano Resonance for Multiband Surfaceâ€Enhanced Infrared Absorption of Molecular Vibrational Sensing. Advanced Optical Materials, 2017, 5, 1600559.	3.6	59
22	AC-driven perovskite light-emitting field-effect transistors. , 2017, , .		3
23	Enhanced Sb2S3 crystallisation by electric field induced silver doping. Thin Solid Films, 2016, 616, 80-85.	0.8	13
24	Independent Tailoring of Superâ€Radiant and Subâ€Radiant Modes in Highâ€Q Plasmonic Fano Resonant Metasurfaces. Advanced Optical Materials, 2016, 4, 1860-1866.	3.6	16
25	Highâ€Q Whisperingâ€Galleryâ€Modeâ€Based Plasmonic Fano Resonances in Coupled Metallic Metasurfaces at Near Infrared Frequencies. Advanced Optical Materials, 2016, 4, 1295-1301.	3.6	32
26	Lead iodide perovskite light-emitting field-effect transistor. Nature Communications, 2015, 6, 7383.	5.8	641
27	Mapping polarons in polymer FETs by charge modulation microscopy in the mid-infrared. Scientific Reports, 2014, 4, 3626.	1.6	18