

Zhi-Kuang Tan

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

7,222
citations

377584

21
h-index

563245

28
g-index

28
all docs

28
docs citations

28
times ranked

10337
citing authors

#	ARTICLE	IF	CITATIONS
1	Bright light-emitting diodes based on organometal halide perovskite. <i>Nature Nanotechnology</i> , 2014, 9, 687-692.	15.6	3,627
2	Highly Efficient Perovskite Nanocrystal Light-Emitting Diodes Enabled by a Universal Crosslinking Method. <i>Advanced Materials</i> , 2016, 28, 3528-3534.	11.1	782
3	Interfacial Control Toward Efficient and Low-Voltage Perovskite Light-Emitting Diodes. <i>Advanced Materials</i> , 2015, 27, 2311-2316.	11.1	631
4	Efficient Light-Emitting Diodes Based on Nanocrystalline Perovskite in a Dielectric Polymer Matrix. <i>Nano Letters</i> , 2015, 15, 2640-2644.	4.5	621
5	Enhanced Performance in Fluorene-Free Organometal Halide Perovskite Light-Emitting Diodes using Tunable, Low Electron Affinity Oxide Electron Injectors. <i>Advanced Materials</i> , 2015, 27, 1414-1419.	11.1	283
6	Large-area near-infrared perovskite light-emitting diodes. <i>Nature Photonics</i> , 2020, 14, 215-218.	15.6	263
7	Size-Dependent Photon Emission from Organometal Halide Perovskite Nanocrystals Embedded in an Organic Matrix. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 446-450.	2.1	160
8	Opportunities and Challenges in Perovskite Light-Emitting Devices. <i>ACS Photonics</i> , 2018, 5, 3866-3875.	3.2	129
9	Tunable Near-Infrared Luminescence in Tin Halide Perovskite Devices. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 2653-2658.	2.1	122
10	Photo-induced thiol coupling and C-H activation using nanocrystalline lead-halide perovskite catalysts. <i>Catalysis Science and Technology</i> , 2018, 8, 4257-4263.	2.1	106
11	Perovskite-Initiated Photopolymerization for Singly Dispersed Luminescent Nanocomposites. <i>Advanced Materials</i> , 2018, 30, e1800774.	11.1	78
12	Suppressing Recombination in Polymer Photovoltaic Devices via Energy-Level Cascades. <i>Advanced Materials</i> , 2013, 25, 4131-4138.	11.1	57
13	Transparent near-infrared perovskite light-emitting diodes. <i>Nature Communications</i> , 2020, 11, 4213.	5.8	40
14	Thermodynamic Control in the Synthesis of Quantum-Confined Blue-Emitting CsPbBr ₃ Perovskite Nanostrips. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2036-2043.	2.1	39
15	Structure formation in P3HT/F8TBT blends. <i>Energy and Environmental Science</i> , 2014, 7, 1725-1736.	15.6	36
16	Color Patterning of Luminescent Perovskites via Light-Mediated Halide Exchange with Haloalkanes. <i>Advanced Materials</i> , 2019, 31, e1901247.	11.1	35
17	In-Situ Switching from Barrier-Limited to Ohmic Anodes for Efficient Organic Optoelectronics. <i>Advanced Functional Materials</i> , 2014, 24, 3051-3058.	7.8	33
18	Magneto-Fluorescent Perovskite Nanocomposites for Directed Cell Motion and Imaging. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900859.	3.9	31

#	ARTICLE	IF	CITATIONS
19	Prussian White with Near-Maximum Specific Capacity in Sodium-Ion Batteries. ACS Applied Energy Materials, 2021, 4, 6214-6220.	2.5	29
20	Efficient Near-Infrared Light-Emitting Diodes based on In(Zn)As-In(Zn)P-GaP-ZnS Quantum Dots. Advanced Functional Materials, 2020, 30, 1906483.	7.8	28
21	High-Capacity Sodium-Prussian Blue Rechargeable Battery through Chelation-Induced Nano-Porosity. Advanced Materials Interfaces, 2020, 7, 2000853.	1.9	22
22	Large-Stokes-Shifted Infrared-Emitting InAs-In(Zn)P-ZnSe-ZnS Giant-Shell Quantum Dots by One-Pot Continuous-Injection Synthesis. Chemistry of Materials, 2019, 31, 2019-2026.	3.2	21
23	Impact of the Structural Modification of Diamondoid Cd(II) MOFs on the Nonlinear Optical Properties. ACS Applied Materials & Interfaces, 2021, 13, 60163-60172.	4.0	13
24	Tuning the Emission Wavelength of Lead Halide Perovskite NCs via Size and Shape Control. ACS Omega, 2022, 7, 565-577.	1.6	13
25	Ultra-Confined Visible-Light-Emitting Colloidal Indium Arsenide Quantum Dots. Nano Letters, 2021, 21, 5167-5172.	4.5	12
26	High Quantum Yield Water-Dispersed Near-Infrared In(Zn)As-In(Zn)P-GaP-ZnS Quantum Dots with Robust Stability for Bioimaging. Advanced Materials Interfaces, 2020, 7, 2000920.	1.9	6
27	The Role of Subsurface Valence Band Localization in the Passivation of Perovskite Nanocrystals. Advanced Optical Materials, 2022, 10, 2101914.	3.6	3
28	Deep Fluorescence Imaging by Laser-Scanning Excitation and Artificial Neural Network Processing. Advanced Optical Materials, 2020, 8, 2000390.	3.6	2