

# Zhi-Kuang Tan

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

7,222  
citations

331670

21  
h-index

501196

28  
g-index

28  
all docs

28  
docs citations

28  
times ranked

8850  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Role of Subsurface Valence Band Localization in the Passivation of Perovskite Nanocrystals. <i>Advanced Optical Materials</i> , 2022, 10, 2101914.	7.3	3
2	Tuning the Emission Wavelength of Lead Halide Perovskite NCs via Size and Shape Control. <i>ACS Omega</i> , 2022, 7, 565-577.	3.5	13
3	Prussian White with Near-Maximum Specific Capacity in Sodium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 6214-6220.	5.1	29
4	Ultra-Confined Visible-Light-Emitting Colloidal Indium Arsenide Quantum Dots. <i>Nano Letters</i> , 2021, 21, 5167-5172.	9.1	12
5	Impact of the Structural Modification of Diamondoid Cd(II) MOFs on the Nonlinear Optical Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 60163-60172.	8.0	13
6	Efficient Near-Infrared Light-Emitting Diodes based on In(Zn)As-In(Zn)P-GaP-ZnS Quantum Dots. <i>Advanced Functional Materials</i> , 2020, 30, 1906483.	14.9	28
7	Large-area near-infrared perovskite light-emitting diodes. <i>Nature Photonics</i> , 2020, 14, 215-218.	31.4	263
8	Transparent near-infrared perovskite light-emitting diodes. <i>Nature Communications</i> , 2020, 11, 4213.	12.8	40
9	High-Capacity Sodium-Prussian Blue Rechargeable Battery through Chelation-Induced Nano-Porosity. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000853.	3.7	22
10	Deep Fluorescence Imaging by Laser-Scanning Excitation and Artificial Neural Network Processing. <i>Advanced Optical Materials</i> , 2020, 8, 2000390.	7.3	2
11	Thermodynamic Control in the Synthesis of Quantum-Confined Blue-Emitting CsPbBr <sub>3</sub> Perovskite Nanostrips. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2036-2043.	4.6	39
12	High Quantum Yield Water-Dispersed Near-Infrared In(Zn)As-In(Zn)P-GaP-ZnS Quantum Dots with Robust Stability for Bioimaging. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000920.	3.7	6
13	Magneto-Fluorescent Perovskite Nanocomposites for Directed Cell Motion and Imaging. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900859.	7.6	31
14	Color Patterning of Luminescent Perovskites via Light-Mediated Halide Exchange with Haloalkanes. <i>Advanced Materials</i> , 2019, 31, e1901247.	21.0	35
15	Large-Stokes-Shifted Infrared-Emitting InAs-In(Zn)P-ZnSe-ZnS Giant-Shell Quantum Dots by One-Pot Continuous-Injection Synthesis. <i>Chemistry of Materials</i> , 2019, 31, 2019-2026.	6.7	21
16	Perovskite-Initiated Photopolymerization for Singly Dispersed Luminescent Nanocomposites. <i>Advanced Materials</i> , 2018, 30, e1800774.	21.0	78
17	Opportunities and Challenges in Perovskite Light-Emitting Devices. <i>ACS Photonics</i> , 2018, 5, 3866-3875.	6.6	129
18	Photo-induced thiol coupling and C-H activation using nanocrystalline lead-halide perovskite catalysts. <i>Catalysis Science and Technology</i> , 2018, 8, 4257-4263.	4.1	106

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19	Highly Efficient Perovskite Nanocrystal Light-Emitting Diodes Enabled by a Universal Crosslinking Method. <i>Advanced Materials</i> , 2016, 28, 3528-3534.	21.0	782
20	Tunable Near-Infrared Luminescence in Tin Halide Perovskite Devices. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 2653-2658.	4.6	122
21	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.	21.0	283
22	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.	4.6	160
23	Interfacial Control Toward Efficient and Low-Voltage Perovskite Light-Emitting Diodes. <i>Advanced Materials</i> , 2015, 27, 2311-2316.	21.0	631
24	Efficient Light-Emitting Diodes Based on Nanocrystalline Perovskite in a Dielectric Polymer Matrix. <i>Nano Letters</i> , 2015, 15, 2640-2644.	9.1	621
25	In-Situ Switching from Barrier-Limited to Ohmic Anodes for Efficient Organic Optoelectronics. <i>Advanced Functional Materials</i> , 2014, 24, 3051-3058.	14.9	33
26	Structure formation in P3HT/F8TBT blends. <i>Energy and Environmental Science</i> , 2014, 7, 1725-1736.	30.8	36
27	Bright light-emitting diodes based on organometal halide perovskite. <i>Nature Nanotechnology</i> , 2014, 9, 687-692.	31.5	3,627
28	Suppressing Recombination in Polymer Photovoltaic Devices via Energy-Level Cascades. <i>Advanced Materials</i> , 2013, 25, 4131-4138.	21.0	57