

# Erjin Zheng

## List of Publications by Year in descending order

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Version: 2024-02-01

12  
papers

376  
citations

840776

11  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

679  
citing authors

#	ARTICLE	IF	CITATIONS
1	Solution-processed visible-blind UV-A photodetectors based on $\text{CH}_3\text{NH}_3\text{PbCl}_3$ perovskite thin films. <i>Journal of Materials Chemistry C</i> , 2017, 5, 3796-3806.	5.5	90
2	Plasmonic Gold Nanohole Array for Surface-Enhanced Raman Scattering Detection of DNA Methylation. <i>ACS Sensors</i> , 2019, 4, 1534-1542.	7.8	65
3	Flexible Narrowband Ultraviolet Photodetectors with Photomultiplication Based on Wide Band Gap Conjugated Polymer and Inorganic Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 24064-24074.	8.0	40
4	Impact of cesium on the phase and device stability of triple cation $\text{Pb-Sn}$ double halide perovskite films and solar cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 17426-17436.	10.3	33
5	Narrowband Ultraviolet Photodetectors Based on Nanocomposite Thin Films with High Gain and Low Driving Voltage. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 41552-41561.	8.0	31
6	Label-Free Raman Observation of TET1 Protein-Mediated Epigenetic Alterations in DNA. <i>Analytical Chemistry</i> , 2019, 91, 7304-7312.	6.5	23
7	Tuning cesium-guanidinium in formamidinium tin triiodide perovskites with an ethylenediammonium additive for efficient and stable lead-free perovskite solar cells. <i>Materials Advances</i> , 2020, 1, 3507-3517.	5.4	20
8	Tuning the spectral response of ultraviolet organic-inorganic hybrid photodetectors via charge trapping and charge collection narrowing. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 11273-11284.	2.8	18
9	Chemical Polymerization of Hydroxymethyl and Chloromethyl Functionalized PEDOT:PSS. <i>ACS Applied Polymer Materials</i> , 2019, 1, 3103-3114.	4.4	16
10	Manipulation of PEDOT:PSS with Polar and Nonpolar Solvent Post-treatment for Efficient Inverted Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2020, 3, 9656-9666.	5.1	16
11	Hydroxymethyl-Functionalized PEDOT-MeOH:PSS for Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 17571-17582.	8.0	13
12	Revealing Stability of Inverted Planar MA-Free Perovskite Solar Cells and Electric Field-Induced Phase Instability. <i>Journal of Physical Chemistry C</i> , 2020, 124, 18805-18815.	3.1	11