

Huaxin Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1351840/publications.pdf>

Version: 2024-02-01

14
papers

1,338
citations

623734

14
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

1496
citing authors

#	ARTICLE	IF	CITATIONS
1	Defect passivation using ultrathin PTAA layers for efficient and stable perovskite solar cells with a high fill factor and eliminated hysteresis. <i>Journal of Materials Chemistry A</i> , 2019, 7, 26421-26428.	10.3	262
2	Room temperature synthesis of stable single silica-coated CsPbBr ₃ quantum dots combining tunable red emission of Ag ⁺ In ²⁺ Zn ²⁺ S for High-CRI white light-emitting diodes. <i>Nano Energy</i> , 2020, 67, 104279.	16.0	197
3	NH ₄ Cl-Modified ZnO for High-Performance CsPbBr ₂ Perovskite Solar Cells via Low-Temperature Process. <i>Solar Rrl</i> , 2020, 4, 1900363.	5.8	186
4	High performance CsPbBr ₃ quantum dots photodetectors by using zinc oxide nanorods arrays as an electron-transport layer. <i>Applied Physics Letters</i> , 2020, 116, .	3.3	102
5	Challenges and strategies relating to device function layers and their integration toward high-performance inorganic perovskite solar cells. <i>Nanoscale</i> , 2020, 12, 14369-14404.	5.6	99
6	Interface Modulator of Ultrathin Magnesium Oxide for Low-Temperature-Processed Inorganic CsPbBr ₂ Perovskite Solar Cells with Efficiency Over 11%. <i>Solar Rrl</i> , 2020, 4, 2000226.	5.8	98
7	Critical role of interface contact modulation in realizing low-temperature fabrication of efficient and stable CsPbBr ₂ perovskite solar cells. <i>Chemical Engineering Journal</i> , 2020, 394, 124903.	12.7	97
8	Small Molecule Modulator at the Interface for Efficient Perovskite Solar Cells with High Short-Circuit Current Density and Hysteresis Free. <i>Advanced Electronic Materials</i> , 2020, 6, 2000604.	5.1	62
9	All-Inorganic Lead-Free Perovskite (Like) Single Crystals: Synthesis, Properties, and Applications. <i>Small Methods</i> , 2021, 5, e2001308.	8.6	60
10	Ultrapure and highly efficient green light emitting devices based on ligand-modified CsPbBr ₃ quantum dots. <i>Photonics Research</i> , 2020, 8, 1086.	7.0	51
11	Ion diffusion-induced double layer doping toward stable and efficient perovskite solar cells. <i>Nano Research</i> , 2022, 15, 5114-5122.	10.4	47
12	Opportunities and challenges of inorganic perovskites in high-performance photodetectors. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 293002.	2.8	35
13	Seasonal performance comparison of three grid connected photovoltaic systems based on different technologies operating under the same conditions. <i>Solar Energy</i> , 2017, 144, 798-807.	6.1	26
14	Double-Side Interface Engineering Synergistically Boosts the Efficiency of Inorganic CsPbBr ₂ Perovskite Solar Cells Over 12%. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	16