

Xing Li

List of Publications by Year in descending order

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24
papers

1,734
citations

430754

18
h-index

610775

24
g-index

24
all docs

24
docs citations

24
times ranked

2660
citing authors

#	ARTICLE	IF	CITATIONS
1	Vertical recrystallization for highly efficient and stable formamidinium-based inverted-structure perovskite solar cells. <i>Energy and Environmental Science</i> , 2017, 10, 1942-1949.	15.6	402
2	Efficient Defect Passivation for Perovskite Solar Cells by Controlling the Electron Density Distribution of Donor–Acceptor Molecules. <i>Advanced Energy Materials</i> , 2019, 9, 1803766.	10.2	280
3	Efficient Passivation of Hybrid Perovskite Solar Cells Using Organic Dyes with –COOH Functional Group. <i>Advanced Energy Materials</i> , 2018, 8, 1800715.	10.2	187
4	Fine Multi-Phase Alignments in 2D Perovskite Solar Cells with Efficiency over 17% via Slow Post-Annealing. <i>Advanced Materials</i> , 2019, 31, e1903889.	11.1	178
5	Stable Inverted Planar Perovskite Solar Cells with Low-Temperature-Processed Hole-Transport Bilayer. <i>Advanced Energy Materials</i> , 2017, 7, 1700763.	10.2	115
6	Effect of an auxiliary acceptor on D–A sensitizers for highly efficient and stable dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12865-12877.	5.2	66
7	A comparative study of o,p-dimethoxyphenyl-based hole transport materials by altering –linker units for highly efficient and stable perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 10480-10485.	5.2	60
8	Water-Assisted Crystal Growth in Quasi-2D Perovskites with Enhanced Charge Transport and Photovoltaic Performance. <i>Advanced Energy Materials</i> , 2020, 10, 2001832.	10.2	52
9	New Organic Donor–Acceptor–Acceptor Sensitizers for Efficient Dye-Sensitized Solar Cells and Photocatalytic Hydrogen Evolution under Visible-Light Irradiation. <i>ChemSusChem</i> , 2014, 7, 2879-2888.	3.6	50
10	Defect Passivation for Perovskite Solar Cells: from Molecule Design to Device Performance. <i>ChemSusChem</i> , 2021, 14, 4354-4376.	3.6	43
11	Molecular engineering of D–A sensitizers for highly efficient solid-state dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 3157-3166.	5.2	41
12	Interfacial Chemical Bridge Constructed by Zwitterionic Sulfamic Acid for Efficient and Stable Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2020, 3, 3186-3192.	2.5	37
13	Molecular dispersion enhances photovoltaic efficiency and thermal stability in quasi-bilayer organic solar cells. <i>Science China Chemistry</i> , 2021, 64, 116-126.	4.2	34
14	Enhanced Photocurrent Density by Spin-Coated NiO Photocathodes for N-Annulated Perylene-Based p-Type Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 19393-19401.	4.0	24
15	Non-Preheating Processed Quasi-2D Perovskites for Efficient and Stable Solar Cells. <i>Small</i> , 2020, 16, e1906997.	5.2	24
16	A surface modifier enhances the performance of the all-inorganic CsPbI ₂ Br perovskite solar cells with efficiencies approaching 15%. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 17847-17856.	1.3	23
17	High Efficiency Perovskite Solar Cells Employing Quasi-2D Ruddlesden–Popper/Dion–Jacobson Heterojunctions. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	23
18	Efficient Dye-Sensitized Solar Cells with Voltages Exceeding 1 V through Exploring Tris(4-alkoxyphenyl)amine Mediators in Combination with the Tris(bipyridine) Cobalt Redox System. <i>ACS Energy Letters</i> , 2018, 3, 1929-1937.	8.8	22

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19	High Efficiency and Stable Perovskite Solar Cells Enabled by Low Dimensional Perovskite Surface Modifiers. <i>Solar Rrl</i> , 2022, 6, .	3.1	15
20	Efficient and Stable Quasi 2D Perovskite Solar Cells Enabled by Thermal Aged Precursor Solution. <i>Advanced Functional Materials</i> , 2021, 31, 2107675.	7.8	14
21	Restrain recombination by spraying pyrolysis TiO ₂ on NiO film for quinoxaline-based p-type dye-sensitized solar cells. <i>Journal of Colloid and Interface Science</i> , 2017, 490, 380-390.	5.0	13
22	Enhanced Photovoltaic Performance via a Bifunctional Additive in Tin-Based Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2022, 5, 108-115.	2.5	12
23	Enhanced Photocurrent via π -Bridge Extension of Perylenemonoimide-Based Dyes for p-Type Dye-Sensitized Solar Cells and Photoelectrochemical Cells. <i>ACS Omega</i> , 2018, 3, 14448-14456.	1.6	10
24	Effects of Electrolytes on the Photocurrent of Na Annulated Perylene Sensitized Photoelectrochemical Cells Based on NiO as Photocathode. <i>ChemElectroChem</i> , 2018, 5, 3198-3205.	1.7	9