Xing Li

List of Publications by Year in descending order

24 papers	1,734 citations	430874 18 h-index	610901 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. Energy and Environmental Science, 2017, 10, 1942-1949.	30.8	402
2	Efficient Defect Passivation for Perovskite Solar Cells by Controlling the Electron Density Distribution of Donorâ€Ï€â€Acceptor Molecules. Advanced Energy Materials, 2019, 9, 1803766.	19.5	280
3	Efficient Passivation of Hybrid Perovskite Solar Cells Using Organic Dyes with ï£¿COOH Functional Group. Advanced Energy Materials, 2018, 8, 1800715.	19.5	187
4	Fine Multiâ€Phase Alignments in 2D Perovskite Solar Cells with Efficiency over 17% via Slow Postâ€Annealing. Advanced Materials, 2019, 31, e1903889.	21.0	178
5	Stable Inverted Planar Perovskite Solar Cells with Lowâ€Temperatureâ€Processed Holeâ€Transport Bilayer. Advanced Energy Materials, 2017, 7, 1700763.	19.5	115
6	Effect of an auxiliary acceptor on Dâ€“Aâ€“Ï€â€“A sensitizers for highly efficient and stable dye-sensitized solar cells. Journal of Materials Chemistry A, 2016, 4, 12865-12877.	10.3	66
7	A comparative study of o,p-dimethoxyphenyl-based hole transport materials by altering Ï€-linker units for highly efficient and stable perovskite solar cells. Journal of Materials Chemistry A, 2017, 5, 10480-10485.	10.3	60
8	Waterâ€Assisted Crystal Growth in Quasiâ€2D Perovskites with Enhanced Charge Transport and Photovoltaic Performance. Advanced Energy Materials, 2020, 10, 2001832.	19.5	52
9	New Organic Donorâ€“Acceptorâ€“Ï€â€“Acceptor Sensitizers for Efficient Dyeâ€Sensitized Solar Cells and Photocatalytic Hydrogen Evolution under Visibleâ€Light Irradiation. ChemSusChem, 2014, 7, 2879-2888.	6.8	50
10	Defect Passivation for Perovskite Solar Cells: from Molecule Design to Device Performance. ChemSusChem, 2021, 14, 4354-4376.	6.8	43
11	Molecular engineering of Dâ€“Aâ€“Ï€â€“A sensitizers for highly efficient solid-state dye-sensitized solar cells. Journal of Materials Chemistry A, 2017, 5, 3157-3166.	10.3	41
12	Interfacial Chemical Bridge Constructed by Zwitterionic Sulfamic Acid for Efficient and Stable Perovskite Solar Cells. ACS Applied Energy Materials, 2020, 3, 3186-3192.	5.1	37
13	Molecular dispersion enhances photovoltaic efficiency and thermal stability in quasi-bilayer organic solar cells. Science China Chemistry, 2021, 64, 116-126.	8.2	34
14	Enhanced Photocurrent Density by Spin-Coated NiO Photocathodes for N-Annulated Perylene-Based p-Type Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2016, 8, 19393-19401.	8.0	24
15	Nonâ€Preheating Processed Quasiâ€2D Perovskites for Efficient and Stable Solar Cells. Small, 2020, 16, e1906997.	10.0	24
16	A surface modifier enhances the performance of the all-inorganic CsPbI₂Br perovskite solar cells with efficiencies approaching 15%. Physical Chemistry Chemical Physics, 2020, 22, 17847-17856.	2.8	23
17	High Efficiency Perovskite Solar Cells Employing Quasiâ€2D Ruddlesdenâ€Popper/Dionâ€Jacobson Heterojunctions. Advanced Functional Materials, 2022, 32, .	14.9	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. ACS Energy Letters, 2018, 3, 1929-1937.	17.4	22

#	Article	IF	Citations
19	Highâ€Efficiency and Stable Perovskite Solar Cells Enabled by Lowâ€Dimensional Perovskite Surface Modifiers. Solar Rrl, 2022, 6, .	5.8	15
20	Efficient and Stable Quasiâ€2D Perovskite Solar Cells Enabled by Thermalâ€Aged Precursor Solution. Advanced Functional Materials, 2021, 31, 2107675.	14.9	14
21	Restrain recombination by spraying pyrolysis TiO2 on NiO film for quinoxaline-based p-type dye-sensitized solar cells. Journal of Colloid and Interface Science, 2017, 490, 380-390.	9.4	13
22	Enhanced Photovoltaic Performance via a Bifunctional Additive in Tin-Based Perovskite Solar Cells. ACS Applied Energy Materials, 2022, 5, 108-115.	5.1	12
23	Enhanced Photocurrent via Ï€-Bridge Extension of Perylenemonoimide-Based Dyes for p-Type Dye-Sensitized Solar Cells and Photoelectrochemical Cells. ACS Omega, 2018, 3, 14448-14456.	3.5	10
24	Effects of Electrolytes on the Photocurrent of Nâ€Annulated Peryleneâ€Sensitized Photoelectrochemical Cells Based on NiO as Photocathode. ChemElectroChem, 2018, 5, 3198-3205.	3.4	9