

Albertus Adrian Sutanto

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25
papers

383
citations

11
h-index

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31
ext. papers

589
ext. citations

9.4
avg, IF

3.7
L-index

#	Paper	IF	Citations
25	Dynamical evolution of the 2D/3D interface: a hidden driver behind perovskite solar cell instability. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 2343-2348	13	60
24	Self-Crystallized Multifunctional 2D Perovskite for Efficient and Stable Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2020 , 30, 1910620	15.6	45
23	In Situ Analysis Reveals the Role of 2D Perovskite in Preventing Thermal-Induced Degradation in 2D/3D Perovskite Interfaces. <i>Nano Letters</i> , 2020 , 20, 3992-3998	11.5	41
22	2D/3D perovskite engineering eliminates interfacial recombination losses in hybrid perovskite solar cells. <i>Chem</i> , 2021 , 7, 1903-1916	16.2	32
21	Doped but Stable: Spirobisacridine Hole Transporting Materials for Hysteresis-Free and Stable Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , 2020 , 142, 1792-1800	16.4	29
20	Pushing the limit of Cs incorporation into FAPbBr ₃ perovskite to enhance solar cells performances. <i>APL Materials</i> , 2019 , 7, 041110	5.7	21
19	Bi-functional interfaces by poly(ionic liquid) treatment in efficient pin and nip perovskite solar cells. <i>Energy and Environmental Science</i> ,	35.4	21
18	Oxasmaragdyrins as New and Efficient Hole-Transporting Materials for High-Performance Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 31950-31958	9.5	20
17	Lead Sequestration from Perovskite Solar Cells Using a Metal-Organic Framework Polymer Composite. <i>Energy Technology</i> , 2020 , 8, 2000239	3.5	19
16	Fluorene-based enamines as low-cost and dopant-free hole transporting materials for high performance and stable perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 301-309	13	13
15	Solvent-assisted crystallization via a delayed-annealing approach for highly efficient hybrid mesoscopic/planar perovskite solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2017 , 172, 270-276	6.4	11
14	Gradient band structure: high performance perovskite solar cells using poly(bisphenol A anhydride-co-1,3-phenylenediamine). <i>Journal of Materials Chemistry A</i> , 2020 , 8, 17113-17119	13	11
13	Co-evaporation as an optimal technique towards compact methylammonium bismuth iodide layers. <i>Scientific Reports</i> , 2020 , 10, 10640	4.9	10
12	Isomeric Carbazole-Based Hole-Transporting Materials: Role of the Linkage Position on the Photovoltaic Performance of Perovskite Solar Cells. <i>Chemistry of Materials</i> , 2021 , 33, 3286-3296	9.6	10
11	D-A- π organic dyes for dye-sensitized solar cells: effect of π -bridge length between two acceptors on photovoltaic properties. <i>Tetrahedron</i> , 2015 , 71, 7977-7984	2.4	6
10	Cesium-doped Ti ₃ C ₂ T _x MXene for efficient and thermally stable perovskite solar cells. <i>Cell Reports Physical Science</i> , 2021 , 2, 100598	6.1	6
9	Stable Perovskite Solar Cells Using Molecularly Engineered Functionalized Oligothiophenes as Low-Cost Hole-Transporting Materials. <i>Small</i> , 2021 , 17, e2100783	11	4

8	Light Stability Enhancement of Perovskite Solar Cells Using 1H,1H,2H,2H-Perfluorooctyltriethoxysilane Passivation. <i>Solar Rrl</i> , 2021 , 5, 2000650	7.1	4
7	Two-Step Thermal Annealing: An Effective Route for 15 % Efficient Quasi-2D Perovskite Solar Cells. <i>ChemPlusChem</i> , 2021 , 86, 1044-1048	2.8	3
6	Phosphine Oxide Derivative as a Passivating Agent to Enhance the Performance of Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2021 , 4, 1259-1268	6.1	3
5	Cut from the Same Cloth: Enamine-Derived Spirobifluorenes as Hole Transporters for Perovskite Solar Cells. <i>Chemistry of Materials</i> , 2021 , 33, 6059-6067	9.6	3
4	Highly Planar Benzodipyrrole-Based Hole Transporting Materials with Passivation Effect for Efficient Perovskite Solar Cells. <i>Solar Rrl</i> , 2022 , 6, 2100667	7.1	2
3	Molecular Engineering of Fluorene-Based Hole-Transporting Materials for Efficient Perovskite Solar Cells. <i>Solar Rrl</i> , 2100990	7.1	2
2	Revealing Weak Dimensional Confinement Effects in Excitonic Silver/Bismuth Double Perovskites.. <i>Jacs Au</i> , 2022 , 2, 136-149		2
1	Two-Step Thermal Annealing: An Effective Route for 15 % Efficient Quasi-2D Perovskite Solar Cells. <i>ChemPlusChem</i> , 2021 , 86, 1040-1041	2.8	