Alan Jiwan Yun

List of Publications by Year
in descending order

21 papers	707 citations	623734 14 h-index	752698 20 g-index
23 all docs	23 docs citations	23 times ranked	799 citing authors

#	Article	IF	Citations
1	Interfacial Modification and Defect Passivation by the Cross-Linking Interlayer for Efficient and Stable CuSCN-Based Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 46818-46824.	8.0	82
2	Origins of Efficient Perovskite Solar Cells with Low-Temperature Processed SnO₂ Electron Transport Layer. ACS Applied Energy Materials, 2019, 2, 3554-3560.	5.1	73
3	Electronic Traps and Their Correlations to Perovskite Solar Cell Performance via Compositional and Thermal Annealing Controls. ACS Applied Materials & Interfaces, 2019, 11, 6907-6917.	8.0	63
4	Recent Progress in Inorganic Hole Transport Materials for Efficient and Stable Perovskite Solar Cells. Electronic Materials Letters, 2019, 15, 505-524.	2.2	62
5	From Nanostructural Evolution to Dynamic Interplay ofÂConstituents: Perspectives for Perovskite Solar Cells. Advanced Materials, 2018, 30, e1704208.	21.0	54
6	A Cu₂Oâ€“CuSCN Nanocomposite as a Hole-Transport Material of Perovskite Solar Cells for Enhanced Carrier Transport and Suppressed Interfacial Degradation. ACS Applied Energy Materials, 2020, 3, 7572-7579.	5.1	52
7	Triamineâ€Based Aromatic Cation as a Novel Stabilizer for Efficient Perovskite Solar Cells. Advanced Functional Materials, 2019, 29, 1905190.	14.9	48
8	Aminosilaneâ€Modified CuGaO₂ Nanoparticles Incorporated with CuSCN as a Holeâ€Transport Layer for Efficient and Stable Perovskite Solar Cells. Advanced Materials Interfaces, 2019, 6, 1901372.	3.7	43
9	Insights on the delithiation/lithiation reactions of Li Mn0.8Fe0.2PO4 mesocrystals in Li+ batteries by in situ techniques. Nano Energy, 2017, 39, 371-379.	16.0	41
10	CuCrO2 Nanoparticles Incorporated into PTAA as a Hole Transport Layer for 85 Â°C and Light Stabilities in Perovskite Solar Cells. Nanomaterials, 2020, 10, 1669.	4.1	33
11	3D Meshlike Polyacrylamide Hydrogel as a Novel Binder System via in situ Polymerization for Highâ€Performance Siâ€Based Electrode. Advanced Materials Interfaces, 2020, 7, 1901475.	3.7	31
12	Incorporation of Lithium Fluoride Restraining Thermal Degradation and Photodegradation of Organometal Halide Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 50418-50425.	8.0	27
13	Methylammonium-chloride post-treatment on perovskite surface and its correlation to photovoltaic performance in the aspect of electronic traps. Journal of Applied Physics, 2019, 126, .	2.5	23
14	Efficient Type-II Heterojunction Nanorod Sensitized Solar Cells Realized by Controlled Synthesis of Core/Patchy-Shell Structure and CdS Cosensitization. ACS Applied Materials & Interfaces, 2019, 11, 19104-19114.	8.0	18
15	Metalâ€Coordination Mediated Polyacrylate for High Performance Silicon Microparticle Anode. Batteries and Supercaps, 2020, 3, 1287-1295.	4.7	15
16	Evolution of the Electronic Traps in Perovskite Photovoltaics during 1000 h at 85 Â°C. ACS Applied Energy Materials, 2022, 5, 7192-7198.	5.1	13
17	Recent Progress in Carbon Electrodes for Efficient and Cost-Benign Perovskite Optoelectronics. Electronic Materials Letters, 2022, 18, 232-255.	2.2	9
18	Mixed-Valence iron phosphate as an effective catalytic host for the High-Rate Lithium-Sulfur battery. Chemical Engineering Journal, 2022, 435, 134814.	12.7	8

#	Article	IF	Citations
19	Highly effective III-V solar cells by controlling the surface roughnesses. Current Applied Physics, 2020, 20, 899-903.	2.4	6
20	Identifying the Association between Surface Heterogeneity and Electrochemical Properties in Graphite. Nanomaterials, 2021, 11, 1813.	4.1	6
21	Organometal Halide Perovskites: From Nanostructural Evolution to Dynamic Interplay ofAConstituents: Perspectives for Perovskite Solar Cells (Adv. Mater. 42/2018). Advanced Materials, 2018, 30, 1870313.	21.0	0