Jun Yin

List of Publications by Year
in descending order

43 papers	2,797 citations	236925 25 h-index	254184 43 g-index
43 all docs	43 docs citations	43 times ranked	4370 citing authors

#	Article	IF	Citations
1	State of the Art and Prospects for Halide Perovskite Nanocrystals. ACS Nano, 2021, 15, 10775-10981.	14.6	705
2	Identifying the Molecular Structures of Intermediates for Optimizing the Fabrication of High-Quality Perovskite Films. Journal of the American Chemical Society, 2016, 138, 9919-9926.	13.7	249
3	Well-Defined Thiolated Nanographene as Hole-Transporting Material for Efficient and Stable Perovskite Solar Cells. Journal of the American Chemical Society, 2015, 137, 10914-10917.	13.7	229
4	Thiols as interfacial modifiers to enhance the performance and stability of perovskite solar cells. Nanoscale, 2015, 7, 9443-9447.	5.6	179
5	Monoammonium Porphyrin for Blade-Coating Stable Large-Area Perovskite Solar Cells with >18% Efficiency. Journal of the American Chemical Society, 2019, 141, 6345-6351.	13.7	149
6	Sulfonate-Assisted Surface Iodide Management for High-Performance Perovskite Solar Cells and Modules. Journal of the American Chemical Society, 2021, 143, 10624-10632.	13.7	101
7	Improved stability of perovskite solar cells in ambient air by controlling the mesoporous layer. Journal of Materials Chemistry A, 2015, 3, 16860-16866.	10.3	92
8	Ag nanoparticle/ZnO hollow nanosphere arrays: large scale synthesis and surface plasmon resonance effect induced Raman scattering enhancement. Journal of Materials Chemistry, 2012, 22, 7902.	6.7	82
9	Vapor-assisted crystallization control toward high performance perovskite photovoltaics with over 18% efficiency in the ambient atmosphere. Journal of Materials Chemistry A, 2016, 4, 13203-13210.	10.3	77
10	Multi-hot spot configuration on urchin-like Ag nanoparticle/ZnO hollow nanosphere arrays for highly sensitive SERS. Journal of Materials Chemistry A, 2013, 1, 15010.	10.3	64
11	Moisture-tolerant and high-quality Î±-CsPbI₃ films for efficient and stable perovskite solar modules. Journal of Materials Chemistry A, 2020, 8, 9597-9606.	10.3	62
12	Si/Ge coreâ€“shell nanoarrays as the anode material for 3D lithium ion batteries. Journal of Materials Chemistry A, 2013, 1, 14344.	10.3	59
13	Methylamine-Dimer-Induced Phase Transition toward MAPbI₃ Films and High-Efficiency Perovskite Solar Modules. Journal of the American Chemical Society, 2020, 142, 6149-6157.	13.7	59
14	Perovskite Quantum Dots as Multifunctional Interlayers in Perovskite Solar Cells with Dopant-Free Organic Hole Transporting Layers. Journal of the American Chemical Society, 2021, 143, 5855-5866.	13.7	59
15	Crown Etherâ€Assisted Growth and Scaling Up of FACsPbI₃ Films for Efficient and Stable Perovskite Solar Modules. Advanced Functional Materials, 2021, 31, 2008760.	14.9	50
16	Fabrication of 3D hexagonal bottle-like Siâ€“SnO2 coreâ€“shell nanorod arrays as anode material in on chip micro-lithium-ion-batteries. Journal of Materials Chemistry A, 2013, 1, 7896.	10.3	45
17	Plasmonic-enhanced self-cleaning activity on asymmetric Ag/ZnO surface-enhanced Raman scattering substrates under UV and visible light irradiation. Journal of Materials Chemistry A, 2014, 2, 7747-7753.	10.3	45
18	Effect of the surface-plasmonâ€“exciton coupling and charge transfer process on the photoluminescence of metalâ€“semiconductor nanostructures. Nanoscale, 2013, 5, 4436.	5.6	43

#	Article	IF	Citations
19	Band edge emission enhancement by quadrupole surface plasmonâ€“exciton coupling using direct-contact Ag/ZnO nanospheres. Nanoscale, 2013, 5, 574-580.	5.6	42
20	Br-containing alkyl ammonium salt-enabled scalable fabrication of high-quality perovskite films for efficient and stable perovskite modules. Journal of Materials Chemistry A, 2019, 7, 26849-26857.	10.3	40
21	Engineered tunneling layer with enhanced impact ionization for detection improvement in graphene/silicon heterojunction photodetectors. Light: Science and Applications, 2021, 10, 113.	16.6	39
22	Surface Plasmon Enhanced Hot Exciton Emission in Deep UVâ€Emitting AlGaN Multiple Quantum Wells. Advanced Optical Materials, 2014, 2, 451-458.	7.3	32
23	Self-assembled hollow nanosphere arrays used as low Q whispering gallery mode resonators on thin film solar cells for light trapping. Physical Chemistry Chemical Physics, 2013, 15, 16874.	2.8	31
24	Multipole plasmon resonances in self-assembled metal hollow-nanospheres. Nanoscale, 2014, 6, 3934-3940.	5.6	27
25	Light absorption enhancement by embedding submicron scattering TiO₂nanoparticles in perovskite solar cells. RSC Advances, 2016, 6, 24596-24602.	3.6	25
26	Trace surface-clean palladium nanosheets as a conductivity enhancer in hole-transporting layers to improve the overall performances of perovskite solar cells. Nanoscale, 2016, 8, 3274-3277.	5.6	24
27	Synergetic SERS Enhancement in a Metal-Like/Metal Double-Shell Structure for Sensitive and Stable Application. ACS Applied Materials & Interfaces, 2017, 9, 13564-13570.	8.0	22
28	Resonanceâ€Mediated Dynamic Modulation of Perovskite Crystallization for Efficient and Stable Solar Cells. Advanced Materials, 2022, 34, e2107111.	21.0	21
29	Growth-Dynamic-Controllable Rapid Crystallization Boosts the Perovskite Photovoltaicsâ€™ Robust Preparation: From Blade Coating to Painting. ACS Applied Materials & Interfaces, 2018, 10, 23103-23111.	8.0	17
30	Synergistic Effect between NiO_x and P3HT Enabling Efficient and Stable Hole Transport Pathways for Regular Perovskite Photovoltaics. Advanced Functional Materials, 2022, 32, .	14.9	17
31	3D CoMoSe4 Nanosheet Arrays Converted Directly from Hydrothermally Processed CoMoO4 Nanosheet Arrays by Plasma-Assisted Selenization Process Toward Excellent Anode Material in Sodium-Ion Battery. Nanoscale Research Letters, 2019, 14, 213.	5.7	14
32	Manipulation of the crystallization of perovskite films induced by a rotating magnetic field during blade coating in air. Journal of Materials Chemistry A, 2018, 6, 3986-3995.	10.3	13
33	4-Tert-butylpyridine-assisted low-cost and soluble copper phthalocyanine as dopant-free hole transport layer for efficient Pb- and Sn-based perovskite solar cells. Science China Chemistry, 2020, 63, 1053-1058.	8.2	13
34	Scalable Preparation of Highâ€Performance ZnOâ€“SnO₂ Cascaded Electron Transport Layer for Efficient Perovskite Solar Modules. Solar Rrl, 2022, 6, 2100639.	5.8	13
35	Interface Engineering of Cubic Zinc Metatitanate as an Excellent Electron Transport Material for Stable Perovskite Solar Cells. Solar Rrl, 2020, 4, 1900533.	5.8	12
36	Polarization-Controllable Plasmonic Enhancement on the Optical Response of Two-Dimensional GaSe Layers. ACS Applied Materials & Interfaces, 2019, 11, 19631-19637.	8.0	11

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37	Optimized design of multi-shell ZnO/TiO2/ZnSe nanowires decorated with Ag nanoparticles for photocatalytic applications. RSC Advances, 2016, 6, 71800-71806.	3.6	10
38	Enhancement of Room-Temperature Photoluminescence and Valley Polarization of Monolayer and Bilayer WS₂ via Chiral Plasmonic Coupling. ACS Applied Materials & Interfaces, 2021, 13, 35097-35104.	8.0	9
39	Multiple coupling in plasmonic metal/dielectric hollow nanocavity arrays for highly sensitive detection. Nanoscale, 2015, 7, 13495-13502.	5.6	7
40	Dual-Mode Plasmonic Coupling-Enhanced Color Conversion of Inorganic CsPbBr₃ Perovskite Quantum Dot Films. ACS Applied Materials & Interfaces, 2021, 13, 32856-32864.	8.0	5
41	Light-Trapping Engineering for the Enhancements of Broadband and Spectra-Selective Photodetection by Self-Assembled Dielectric Microcavity Arrays. Nanoscale Research Letters, 2019, 14, 187.	5.7	2
42	Understanding liquefaction in halide perovskites upon methylamine gas exposure. RSC Advances, 2021, 11, 20423-20428.	3.6	1
43	Cylindrical Al Nano-Dimer Induced Polarization in Deep UV Region. Nanoscale Research Letters, 2022, 17, .	5.7	1