

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Sequential deposition as a route to high-performance perovskite-sensitized solar cells. <i>Nature</i> , 2013, 499, 316-319.	27.8	8,542
2	Dye-sensitized solar cells with 13% efficiency achieved through the molecular engineering of porphyrin sensitizers. <i>Nature Chemistry</i> , 2014, 6, 242-247.	13.6	3,982
3	Mesoscopic CH ₃ NH ₃ PbI ₃ /TiO ₂ Heterojunction Solar Cells. <i>Journal of the American Chemical Society</i> , 2012, 134, 17396-17399.	13.7	1,801
4	Efficient luminescent solar cells based on tailored mixed-cation perovskites. <i>Science Advances</i> , 2016, 2, e1501170.	10.3	1,669
5	Organohalide lead perovskites for photovoltaic applications. <i>Energy and Environmental Science</i> , 2014, 7, 2448-2463.	30.8	1,220
6	Mixed Organic-Cation Perovskite Photovoltaics for Enhanced Solar Light Harvesting. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3151-3157.	13.8	1,117
7	Effect of Annealing Temperature on Film Morphology of Organic-Inorganic Hybrid Perovskite Solid-State Solar Cells. <i>Advanced Functional Materials</i> , 2014, 24, 3250-3258.	14.9	850
8	A molecularly engineered hole-transporting material for efficient perovskite solar cells. <i>Nature Energy</i> , 2016, 1, .	39.5	816
9	Direct conversion of CO ₂ into liquid fuels with high selectivity over a bifunctional catalyst. <i>Nature Chemistry</i> , 2017, 9, 1019-1024.	13.6	757
10	High-efficiency perovskite-polymer bulk heterostructure light-emitting diodes. <i>Nature Photonics</i> , 2018, 12, 783-789.	31.4	715
11	Impedance Spectroscopic Analysis of Lead Iodide Perovskite-Sensitized Solid-State Solar Cells. <i>ACS Nano</i> , 2014, 8, 362-373.	14.6	663
12	Ionic polarization-induced current-voltage hysteresis in CH ₃ NH ₃ PbX ₃ perovskite solar cells. <i>Nature Communications</i> , 2016, 7, 10334.	12.8	602
13	Thermal Behavior of Methylammonium Lead-Trihalide Perovskite Photovoltaic Light Harvesters. <i>Chemistry of Materials</i> , 2014, 26, 6160-6164.	6.7	502
14	Highly efficient perovskite solar cells with a compositionally engineered perovskite/hole transporting material interface. <i>Energy and Environmental Science</i> , 2017, 10, 621-627.	30.8	436
15	Nanocrystalline Rutile Electron Extraction Layer Enables Low-Temperature Solution Processed Perovskite Photovoltaics with 13.7% Efficiency. <i>Nano Letters</i> , 2014, 14, 2591-2596.	9.1	397
16	A review of the catalytic hydrogenation of carbon dioxide into value-added hydrocarbons. <i>Catalysis Science and Technology</i> , 2017, 7, 4580-4598.	4.1	385
17	High efficiency methylammonium lead triiodide perovskite solar cells: the relevance of non-stoichiometric precursors. <i>Energy and Environmental Science</i> , 2015, 8, 3550-3556.	30.8	384
18	Direct Production of Lower Olefins from CO ₂ Conversion via Bifunctional Catalysis. <i>ACS Catalysis</i> , 2018, 8, 571-578.	11.2	382

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19	Triazatruxene-Based Hole Transporting Materials for Highly Efficient Perovskite Solar Cells. Journal of the American Chemical Society, 2015, 137, 16172-16178.	13.7	321
20	Covalent Immobilization of a Molecular Catalyst on Cu ₂ O Photocathodes for CO ₂ Reduction. Journal of the American Chemical Society, 2016, 138, 1938-1946.	13.7	272
21	High Performance Field-Effect Ammonia Sensors Based on a Structured Ultrathin Organic Semiconductor Film. Advanced Materials, 2013, 25, 3419-3425.	21.0	263
22	High-Performance Perovskite Solar Cells with Enhanced Environmental Stability Based on Amphiphile-Modified CH ₃ NH ₃ PbI ₃ . Advanced Materials, 2016, 28, 2910-2915.	21.0	258
23	Facile synthesized organic hole transporting material for perovskite solar cell with efficiency of 19.8%. Nano Energy, 2016, 23, 138-144.	16.0	253
24	Dimensionality engineering of hybrid halide perovskite light absorbers. Nature Communications, 2018, 9, 5028.	12.8	245
25	Dithieno[2,3-d;2',3'-d]benzo[1,2-b;4,5-b']dithiophene (DTBDT) as Semiconductor for High-Performance, Solution-Processed Organic Field-Effect Transistors. Advanced Materials, 2009, 21, 213-216.	21.0	237
26	Less is More: Dopant-Free Hole Transporting Materials for High-Efficiency Perovskite Solar Cells. Advanced Energy Materials, 2018, 8, 1702512.	19.5	236
27	From Nano- to Micrometer Scale: The Role of Antisolvent Treatment on High Performance Perovskite Solar Cells. Chemistry of Materials, 2017, 29, 3490-3498.	6.7	234
28	Lead-Free Hybrid Perovskite Absorbers for Viable Application: Can We Eat the Cake and Have It too?. Advanced Science, 2018, 5, 1700331.	11.2	233
29	High-Performance Perovskite Solar Cells with Enhanced Environmental Stability Based on a (spiro-6,4)C ₆ H ₄ C ₂ H ₄ NH ₃) ₂ [PbI ₃] Capping Layer. Advanced Energy Materials, 2019, 9, 1802595.	10.5	213
30	Rationally designed indium oxide catalysts for CO ₂ hydrogenation to methanol with high activity and selectivity. Science Advances, 2020, 6, eaaz2060.	10.3	211
31	Molecular engineering of face-on oriented dopant-free hole transporting material for perovskite solar cells with 19% PCE. Journal of Materials Chemistry A, 2017, 5, 7811-7815.	10.3	209
32	A simple spiro-type hole transporting material for efficient perovskite solar cells. Energy and Environmental Science, 2015, 8, 1986-1991.	30.8	206
33	A dopant free linear acene derivative as a hole transport material for perovskite pigmented solar cells. Energy and Environmental Science, 2015, 8, 1816-1823.	30.8	202
34	Efficient Perovskite Solar Cells by Reducing Interface-Mediated Recombination: a Bulky Amine Approach. Advanced Energy Materials, 2020, 10, 2000197.	19.5	198
35	The graphene/lanthanum oxide nanocomposites as electrode materials of supercapacitors. Journal of Power Sources, 2019, 419, 99-105.	7.8	191
36	Investigation Regarding the Role of Chloride in Organic-Inorganic Halide Perovskites Obtained from Chloride Containing Precursors. Nano Letters, 2014, 14, 6991-6996.	9.1	185

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37	Novel Heterogeneous Catalysts for CO ₂ Hydrogenation to Liquid Fuels. ACS Central Science, 2020, 6, 1657-1670.	11.3	182
38	Selective Production of Aromatics Directly from Carbon Dioxide Hydrogenation. ACS Catalysis, 2019, 9, 3866-3876.	11.2	177
39	Dopant-Free Hole-Transporting Materials for Stable and Efficient Perovskite Solar Cells. Advanced Materials, 2017, 29, 1606555.	21.0	171
40	Highly Efficient Perovskite Solar Cells Employing an Easily Attainable Bifluorenylidene-Based Hole-Transporting Material. Angewandte Chemie - International Edition, 2016, 55, 7464-7468.	13.8	165
41	Silolothiophene-linked triphenylamines as stable hole transporting materials for high efficiency perovskite solar cells. Energy and Environmental Science, 2015, 8, 2946-2953.	30.8	163
42	Yttrium-substituted nanocrystalline TiO ₂ photoanodes for perovskite based heterojunction solar cells. Nanoscale, 2014, 6, 1508-1514.	5.6	162
43	Atomic scale insights into structure instability and decomposition pathway of methylammonium lead iodide perovskite. Nature Communications, 2018, 9, 4807.	12.8	161
44	Effects of Sodium on the Catalytic Performance of CoMn Catalysts for Fischer-Tropsch to Olefin Reactions. ACS Catalysis, 2017, 7, 3622-3631.	11.2	157
45	Controllable Growth and Field-Effect Property of Monolayer to Multilayer Microstripes of an Organic Semiconductor. Journal of the American Chemical Society, 2010, 132, 8807-8809.	13.7	155
46	Enhanced Charge Collection with Passivation Layers in Perovskite Solar Cells. Advanced Materials, 2016, 28, 3966-3972.	21.0	152
47	Sub-Nanometer Conformal TiO ₂ Blocking Layer for High Efficiency Solid-State Perovskite Absorber Solar Cells. Advanced Materials, 2014, 26, 4309-4312.	21.0	148
48	Efficient and selective carbon dioxide reduction on low cost protected Cu ₂ O photocathodes using a molecular catalyst. Energy and Environmental Science, 2015, 8, 855-861.	30.8	142
49	Unraveling the Reasons for Efficiency Loss in Perovskite Solar Cells. Advanced Functional Materials, 2015, 25, 3925-3933.	14.9	129
50	Artemisinin-passivated mixed-cation perovskite films for durable flexible perovskite solar cells with over 21% efficiency. Journal of Materials Chemistry A, 2021, 9, 1574-1582.	10.3	126
51	Marked Passivation Effect of Naphthalene-1,8-dicarboximides in High-Performance Perovskite Solar Cells. Advanced Materials, 2021, 33, e2008405.	21.0	116
52	A Strategy to Produce High Efficiency, High Stability Perovskite Solar Cells Using Functionalized Ionic Liquid Dopants. Advanced Materials, 2017, 29, 1702157.	21.0	115
53	Efficient and Stable 2D@3D/2D Perovskite Solar Cells Based on Dual Optimization of Grain Boundary and Interface. ACS Energy Letters, 2021, 6, 3614-3623.	17.4	113
54	Background suppression in fluorescence nanoscopy with stimulated emission double depletion. Nature Photonics, 2017, 11, 163-169.	31.4	109

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55	PbI ₂ –HMPA Complex Pretreatment for Highly Reproducible and Efficient CH ₃ NH ₃ PbI ₃ Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , 2016, 138, 14380-14387.	13.7	107
56	Donor–Acceptor Type Porphyrin Derivatives Assisted Defect Passivation for Efficient Hybrid Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2021, 31, 2007762.	14.9	106
57	Selective Transformation of CO ₂ and H ₂ into Lower Olefins over In ₂ O ₃ –ZnZrO _x /SAPO-34 Bifunctional Catalysts. <i>ChemSusChem</i> , 2019, 12, 3582-3591.	6.8	103
58	Enhanced charge collection with passivation of the tin oxide layer in planar perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 12729-12734.	10.3	103
59	Degradation mechanisms of perovskite solar cells under vacuum and one atmosphere of nitrogen. <i>Nature Energy</i> , 2021, 6, 977-986.	39.5	103
60	Trash into Treasure: FAPbI ₃ Polymorph Stabilized MAPbI ₃ Perovskite with Power Conversion Efficiency beyond 21%. <i>Advanced Materials</i> , 2018, 30, e1707143.	21.0	101
61	Development of Perovskite-Type Materials for Thermoelectric Application. <i>Materials</i> , 2018, 11, 999.	2.9	101
62	Yttrium oxide modified Cu/ZnO/Al ₂ O ₃ catalysts via hydrotalcite-like precursors for CO ₂ hydrogenation to methanol. <i>Catalysis Science and Technology</i> , 2015, 5, 4365-4377.	4.1	99
63	SiRA: A Silicon Rhodamine-Binding Aptamer for Live-Cell Super-Resolution RNA Imaging. <i>Journal of the American Chemical Society</i> , 2019, 141, 7562-7571.	13.7	99
64	Benzo[1,2-b:4,5-b']bis(benzothiophene) as solution processible organic semiconductor for field-effect transistors. <i>Chemical Communications</i> , 2008, , 1548.	4.1	95
65	Fine-tuning the Electronic Structure of Organic Dyes for Dye-Sensitized Solar Cells. <i>Organic Letters</i> , 2012, 14, 4330-4333.	4.6	95
66	N-doped MXene derived from chitosan for the highly effective electrochemical properties as supercapacitor. <i>Advanced Composites and Hybrid Materials</i> , 2022, 5, 356-369.	21.1	93
67	Growth of Ultrathin Organic Semiconductor Microstripes with Thickness Control in the Monolayer Precision. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12530-12535.	13.8	92
68	Molecularly Engineered Phthalocyanines as Hole-Transporting Materials in Perovskite Solar Cells Reaching Power Conversion Efficiency of 17.5%. <i>Advanced Energy Materials</i> , 2017, 7, 1601733.	19.5	90
69	Dually Passivated Perovskite Solar Cells with Reduced Voltage Loss and Increased Super Oxide Resistance. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8303-8312.	13.8	90
70	Glutathione Modified Gold Nanoparticles for Sensitive Colorimetric Detection of Pb ²⁺ Ions in Rainwater Polluted by Leaking Perovskite Solar Cells. <i>Analytical Chemistry</i> , 2016, 88, 12316-12322.	6.5	86
71	Donor–donor type hole transporting materials: marked bridge effects on optoelectronic properties, solid-state structure, and perovskite solar cell efficiency. <i>Chemical Science</i> , 2016, 7, 6068-6075.	7.4	85
72	Enhanced Electrocatalysis via 3D Graphene Aerogel Engineered with a Silver Nanowire Network for Ultrahigh-Rate Zinc–Air Batteries. <i>Advanced Functional Materials</i> , 2017, 27, 1700041.	14.9	85

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73	All that glitters is not gold: Recent progress of alternative counter electrodes for perovskite solar cells. <i>Nano Energy</i> , 2018, 52, 211-238.	16.0	85
74	Grain Boundary Engineering with Self-Assembled Porphyrin Supramolecules for Highly Efficient Large-Area Perovskite Photovoltaics. <i>Journal of the American Chemical Society</i> , 2021, 143, 18989-18996.	13.7	83
75	Stable and Efficient Perovskite Solar Cells Based on Titania Nanotube Arrays. <i>Small</i> , 2015, 11, 5533-5539.	10.0	80
76	A Novel Oligomer as a Hole Transporting Material for Efficient Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2015, 5, 1400980.	19.5	80
77	Ligand Engineering for the Efficient Dye-Sensitized Solar Cells with Ruthenium Sensitizers and Cobalt Electrolytes. <i>Inorganic Chemistry</i> , 2016, 55, 6653-6659.	4.0	80
78	Mechanism of the Mn Promoter via CoMn Spinel for Morphology Control: Formation of Co ₂ C Nanoprisms for Fischer-Tropsch to Olefins Reaction. <i>ACS Catalysis</i> , 2017, 7, 8023-8032.	11.2	79
79	A highly hindered bithiophene-functionalized dispiro-oxepine derivative as an efficient hole transporting material for perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18259-18264.	10.3	78
80	Perovskite-Based Tandem Solar Cells: Get the Most Out of the Sun. <i>Advanced Functional Materials</i> , 2020, 30, 2001904.	14.9	78
81	Ferrocenic domains regulate photocurrent in single-crystalline CH ₃ NH ₃ PbI ₃ films self-grown on FTO/TiO ₂ substrate. <i>Npj Quantum Materials</i> , 2018, 3, .	5.2	76
82	A hybrid lead iodide perovskite and lead sulfide QD heterojunction solar cell to obtain a panchromatic response. <i>Journal of Materials Chemistry A</i> , 2014, 2, 11586-11590.	10.3	73
83	Intramolecular Noncovalent Interaction-Enabled Dopant-Free Hole-Transporting Materials for High-Performance Inverted Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202113749.	13.8	72
84	A structural study of DPP-based sensitizers for DSC applications. <i>Chemical Communications</i> , 2012, 48, 10724.	4.1	68
85	Palladium single atoms supported by interwoven carbon nanotube and manganese oxide nanowire networks for enhanced electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23366-23377.	10.3	68
86	Fluoroaromatic Cation-Assisted Planar Junction Perovskite Solar Cells with Improved <i>v_{OC}</i> and Stability: The Role of Fluorination Position. <i>Solar Rrl</i> , 2020, 4, 2000107.	5.8	68
87	Recent progress in organohalide lead perovskites for photovoltaic and optoelectronic applications. <i>Coordination Chemistry Reviews</i> , 2018, 373, 258-294.	18.8	67
88	Photovoltaic and Amplified Spontaneous Emission Studies of High-Quality Formamidinium Lead Bromide Perovskite Films. <i>Advanced Functional Materials</i> , 2016, 26, 2846-2854.	14.9	66
89	Dually-Passivated Perovskite Solar Cells with Reduced Voltage Loss and Increased Super Oxide Resistance. <i>Angewandte Chemie</i> , 2021, 133, 8384-8393.	2.0	66
90	Unravel the Impact of Anchoring Groups on the Photovoltaic Performances of Diketopyrrolopyrrole Sensitizers for Dye-Sensitized Solar Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 2389-2396.	6.7	65

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91	Conjugated Ladder-Type Heteroacenes Bearing Pyrrole and Thiophene Ring Units: Facile Synthesis and Characterization. <i>Journal of Organic Chemistry</i> , 2008, 73, 9207-9213.	3.2	64
92	A balanced cation exchange reaction toward highly uniform and pure phase $\text{FA}_{1-x}\text{MA}_x\text{PbI}_3$ perovskite films. <i>Journal of Materials Chemistry A</i> , 2016, 4, 14437-14443.	10.3	64
93	Constructing CsPbBr_3 Cluster Passivated Triple Cation Perovskite for Highly Efficient and Operationally Stable Solar Cells. <i>Advanced Functional Materials</i> , 2019, 29, 1809180.	14.9	64
94	Extending the Lifetime of Perovskite Solar Cells using a Perfluorinated Dopant. <i>ChemSusChem</i> , 2016, 9, 2708-2714.	6.8	62
95	Towards Compatibility between Ruthenium Sensitizers and Cobalt Electrolytes in Dye-Sensitized Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8731-8735.	13.8	61
96	Extended π - π Bridge in Organic Dye-Sensitized Solar Cells: the Longer, the Better?. <i>Advanced Energy Materials</i> , 2014, 4, 1301485.	19.5	61
97	High-Efficiency Perovskite Solar Cells Employing a <i>S</i> , <i>N</i> -Heteropentacene-Based Hole-Transport Material. <i>ChemSusChem</i> , 2016, 9, 433-438.	6.8	61
98	Facile synthesis of a bulky BPTPA donor group suitable for cobalt electrolyte based dye sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5535.	10.3	58
99	Promise of commercialization: Carbon materials for low-cost perovskite solar cells. <i>Chinese Physics B</i> , 2018, 27, 018805.	1.4	57
100	Rear Interface Engineering to Suppress Migration of Iodide Ions for Efficient Perovskite Solar Cells with Minimized Hysteresis. <i>Advanced Functional Materials</i> , 2022, 32, 2107823.	14.9	57
101	Unravelling the Potential for Dithienopyrrole Sensitizers in Dye-Sensitized Solar Cells. <i>Chemistry of Materials</i> , 2013, 25, 2642-2648.	6.7	49
102	Heteroheptacenes with Fused Thiophene and Pyrrole Rings. <i>Chemistry - A European Journal</i> , 2010, 16, 5119-5128.	3.3	48
103	Facile one-pot synthesis of mesoporous carbon and N-doped carbon for CO ₂ capture by a novel melting-assisted solvent-free method. <i>Journal of Materials Chemistry A</i> , 2015, 3, 23990-23999.	10.3	46
104	Miscellaneous and Pespicious: Hybrid Halide Perovskite Materials Based Photodetectors and Sensors. <i>Advanced Optical Materials</i> , 2020, 8, 2001095.	7.3	46
105	Antimony doped lead-free double perovskites ($\text{Cs}_2\text{NaBiSbCl}_6$) with enhanced light absorption and tunable emission. <i>Journal of Materials Chemistry C</i> , 2020, 8, 13603-13611.	5.5	45
106	Application of Perovskite-Structured Materials in Field-Effect Transistors. <i>Advanced Electronic Materials</i> , 2019, 5, 1900444.	5.1	43
107	Molecular Engineering of 2-Quinolinone Based Anchoring Groups for Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2014, 118, 16896-16903.	3.1	41
108	A hysteresis-free perovskite transistor with exceptional stability through molecular cross-linking and amine-based surface passivation. <i>Nanoscale</i> , 2020, 12, 7641-7650.	5.6	40

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109	Finding junction partners for CsPbI ₃ in a two-terminal tandem solar cell: A theoretical prospect. <i>Nano Energy</i> , 2020, 75, 104866.	16.0	39
110	Interfacial and structural modifications in perovskite solar cells. <i>Nanoscale</i> , 2020, 12, 5719-5745.	5.6	39
111	An efficient perovskite solar cell with symmetrical Zn(ii) phthalocyanine infiltrated buffering porous Al ₂ O ₃ as the hybrid interfacial hole-transporting layer. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 27083-27089.	2.8	38
112	Highly Efficient Perovskite Solar Cells Employing an Easily Attainable Bifluorenylidene-Based Hole-Transporting Material. <i>Angewandte Chemie</i> , 2016, 128, 7590-7594.	2.0	37
113	Low-Cost Perovskite Solar Cells Employing Dimethoxydiphenylamine-Substituted Bistricyclic Aromatic Enes as Hole Transport Materials. <i>ChemSusChem</i> , 2017, 10, 3825-3832.	6.8	37
114	Protein-based fluorescent nanoparticles for super-resolution STED imaging of live cells. <i>Chemical Science</i> , 2017, 8, 2396-2400.	7.4	36
115	Monomeric Garnet, a far-red fluorescent protein for live-cell STED imaging. <i>Scientific Reports</i> , 2015, 5, 18006.	3.3	35
116	Precise background subtraction in stimulated emission double depletion nanoscopy. <i>Optics Letters</i> , 2017, 42, 831.	3.3	35
117	Enhanced Interactions between Gold and MnO ₂ Nanowires for Water Oxidation: A Comparison of Different Chemical and Physical Preparation Methods. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 2049-2057.	6.7	33
118	A dual-functional asymmetric squaraine-based low band gap hole transporting material for efficient perovskite solar cells. <i>Nanoscale</i> , 2016, 8, 6335-6340.	5.6	32
119	A far-red emitting fluorescent marker protein, mGarnet2, for microscopy and STED nanoscopy. <i>Chemical Communications</i> , 2017, 53, 979-982.	4.1	32
120	Standing Carbon-Supported Trace Levels of Metal Derived from Covalent Organic Framework for Electrocatalysis. <i>Small</i> , 2019, 15, e1905363.	10.0	32
121	cPCN-Regulated SnO ₂ Composites Enables Perovskite Solar Cell with Efficiency Beyond 23%. <i>Nano-Micro Letters</i> , 2021, 13, 101.	27.0	31
122	Lewis-base containing spiro type hole transporting materials for high-performance perovskite solar cells with efficiency approaching 20%. <i>Nanoscale</i> , 2020, 12, 13157-13164.	5.6	30
123	Surface Polarity Regulation by Relieving Fermi-Level Pinning with Naphthalocyanine Tetraimides toward Efficient Perovskite Solar Cells with Improved Photostability. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	30
124	Trivalent ion mediated abnormal growth of all-inorganic perovskite nanocrystals and their divergent emission properties. <i>Nanoscale</i> , 2019, 11, 7903-7912.	5.6	29
125	Plasmon-Enhanced Perovskite Solar Cells with Efficiency Beyond 21%: The Asynchronous Synergistic Effect of Water and Gold Nanorods. <i>ChemPlusChem</i> , 2021, 86, 291-297.	2.8	29
126	In-situ peptization of WO ₃ in alkaline SnO ₂ colloid for stable perovskite solar cells with record fill-factor approaching the shockley-queisser limit. <i>Nano Energy</i> , 2022, 100, 107468.	16.0	29

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127	NdCl ₃ Dose as a Universal Approach for High-Efficiency Perovskite Solar Cells Based on Low-Temperature-Processed SnO _x . ACS Applied Materials & Interfaces, 2020, 12, 46306-46316.	8.0	28
128	A guide to use fluorinated aromatic bulky cations for stable and high-performance 2D/3D perovskite solar cells: The more fluorination the better?. Journal of Energy Chemistry, 2022, 64, 179-189.	12.9	28
129	Self-assembled donor-acceptor hole contacts for inverted perovskite solar cells with an efficiency approaching 22%: The impact of anchoring groups. Journal of Energy Chemistry, 2022, 68, 87-95.	12.9	28
130	Microribbon Field-Effect Transistors Based on Dithieno[2,3-d;2,3-d']benzo[1,2-b;4,5-b']dithiophene Processed by Solvent Vapor Diffusion. Chemistry of Materials, 2011, 23, 4960-4964.	6.7	27
131	Measuring ligand-cell surface receptor affinities with axial line-scanning fluorescence correlation spectroscopy. ELife, 2020, 9, .	6.0	27
132	Synergy of Plasmonic Silver Nanorod and Water for Enhanced Planar Perovskite Photovoltaic Devices. Solar Rrl, 2020, 4, 1900231.	5.8	26
133	Fused Dithienopicenocarbazole Enabling High Mobility Dopant-Free Hole-Transporting Polymers for Efficient and Stable Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 6688-6698.	8.0	26
134	Self-Assembly and Microstructural Control of a Hexabenzocoronene-Perylene Diimide Dyad by Solvent Vapor Diffusion. Small, 2011, 7, 2841-2846.	10.0	25
135	Ultra-tiny Co(OH) ₂ particles supported on graphene oxide for highly efficient electrocatalytic water oxidation. RSC Advances, 2015, 5, 39075-39079.	3.6	23
136	Hydrofunctionalization of olefins to value-added chemicals via photocatalytic coupling. Green Chemistry, 2018, 20, 3450-3456.	9.0	21
137	Direct conversion of CO ₂ to a jet fuel over CoFe alloy catalysts. Innovation(China), 2021, 2, 100170.	9.1	21
138	Development of electron and hole selective contact materials for perovskite solar cells. Chinese Chemical Letters, 2017, 28, 1144-1152.	9.0	20
139	Unveiling the Concentration-Dependent Grain Growth of Perovskite Films from One- and Two-Step Deposition Methods: Implications for Photovoltaic Application. ACS Applied Materials & Interfaces, 2017, 9, 25063-25066.	8.0	20
140	Impacts of plasmonic nanoparticles incorporation and interface energy alignment for highly efficient carbon-based perovskite solar cells. Scientific Reports, 2022, 12, 5367.	3.3	20
141	Solvent-Free Synthesis of Mg-Incorporated Nanocrystalline SAPO-34 Zeolites via Natural Clay for Chloromethane-to-Olefin Conversion. ACS Sustainable Chemistry and Engineering, 2020, 8, 4185-4193.	6.7	19
142	Face-on oriented hydrophobic conjugated polymers as dopant-free hole-transport materials for efficient and stable perovskite solar cells with a fill factor approaching 85%. Journal of Materials Chemistry A, 2022, 10, 3409-3417.	10.3	19
143	Opposite-view digital holographic microscopy with autofocusing capability. Scientific Reports, 2017, 7, 4255.	3.3	18
144	Organic dyes containing fused acenes as building blocks: Optical, electrochemical and photovoltaic properties. Chinese Chemical Letters, 2018, 29, 289-292.	9.0	18

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145	Phenanthrene-based hole transport material for efficient dopant-free perovskite solar cells. <i>Organic Electronics</i> , 2019, 65, 135-140.	2.6	18
146	Electron-deficient 4-nitrophthalonitrile passivated efficient perovskite solar cells with efficiency exceeding 22%. <i>Sustainable Energy and Fuels</i> , 2021, 5, 2347-2353.	4.9	18
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