

## List of Publications by Year in descending order

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204  
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#	ARTICLE	IF	CITATIONS
1	A facile gas-driven ink spray (GDIS) deposition strategy toward hole-conductor-free carbon-based perovskite solar cells. <i>Emergent Materials</i> , 2022, 5, 967-975.	5.7	11
2	A guide to use fluorinated aromatic bulky cations for stable and high-performance 2D/3D perovskite solar cells: The more fluorination the better?. <i>Journal of Energy Chemistry</i> , 2022, 64, 179-189.	12.9	28
3	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
4	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
5	Self-assembled donor-acceptor hole contacts for inverted perovskite solar cells with an efficiency approaching 22%: The impact of anchoring groups. <i>Journal of Energy Chemistry</i> , 2022, 68, 87-95.	12.9	28
6	Improvement of the electrokinetic fluxes by tall fescue: Alleviation of ion attenuation and maintainability of soil colloidal properties. <i>Chemosphere</i> , 2022, 290, 133128.	8.2	4
7	Intramolecular Noncovalent Interaction-Enabled Dopant-Free Hole-Transporting Materials for High-Performance Inverted Perovskite Solar Cells. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	18
8	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
9	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%. <i>Journal of Materials Chemistry A</i> , 2022, 10, 3409-3417.	10.3	19
10	Hot-Air Treatment-Regulated Diffusion of LiTFSI to Accelerate the Aging-Induced Efficiency Rising of Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 4378-4388.	8.0	9
11	Effect of Annealing Temperature on Tantalum-Doped TiO <sub>2</sub> as Electron Transport Layer in Perovskite Solar Cells. <i>IEEE Transactions on Electron Devices</i> , 2022, 69, 1149-1154.	3.0	3
12	Compositional engineering of metal-xanthate precursors toward (Bi <sub>1-x</sub> Sb <sub>x</sub> ) <sub>2</sub> S <sub>3</sub> (0 ≤ x ≤ 0.05) films with enhanced room temperature thermoelectric performance. <i>Journal of Materials Chemistry C</i> , 2022, 10, 1718-1726.	5.5	6
13	F-containing cations improve the performance of perovskite solar cells. <i>Journal of Semiconductors</i> , 2022, 43, 010202.	3.7	12
14	Gold-Based Double Perovskite-Related Polymorphs: Low Dimensional with an Ultranarrow Bandgap. <i>Chemistry of Materials</i> , 2022, 34, 1544-1553.	6.7	6
15	Impacts of plasmonic nanoparticles incorporation and interface energy alignment for highly efficient carbon-based perovskite solar cells. <i>Scientific Reports</i> , 2022, 12, 5367.	3.3	20
16	Deciphering the Reduced Loss in High Fill Factor Inverted Perovskite Solar Cells with Methoxy-Substituted Poly(Triarylamine) as the Hole Selective Contact. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 12640-12651.	8.0	11
17	Passivating defects via 4-cyanobenzenaminium iodide enables 22.44% efficiency perovskite solar cells. <i>Electrochimica Acta</i> , 2022, 413, 140172.	5.2	12
18	CsPbBr <sub>3</sub> perovskite based tandem device for CO <sub>2</sub> photoreduction. <i>Chemical Engineering Journal</i> , 2022, 443, 136447.	12.7	8

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19	Compact Ga <sub>2</sub> O <sub>3</sub> Thin Films Deposited by Plasma Enhanced Atomic Layer Deposition at Low Temperature. <i>Nanomaterials</i> , 2022, 12, 1510.	4.1	10
20	Atomic Permutation toward New Ruddlesden-Popper Two-Dimensional Perovskite with the Smallest Interlayer Spacing. <i>Journal of Physical Chemistry C</i> , 2022, 126, 8268-8277.	3.1	6
21	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
22	Lansoprazole, a cure-four, enables perovskite solar cells efficiency exceeding 24%. <i>Chemical Engineering Journal</i> , 2022, 446, 137416.	12.7	14
23	2D or not 2D? Selectively formed low-dimensional perovskitoids based on chiral organic cation to passivate perovskite solar cells. <i>Applied Materials Today</i> , 2022, 28, 101550.	4.3	5
24	In-situ peptization of WO <sub>3</sub> in alkaline SnO <sub>2</sub> 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
25	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
26	Artemisinin-passivated mixed-cation perovskite films for durable flexible perovskite solar cells with over 21% efficiency. <i>Journal of Materials Chemistry A</i> , 2021, 9, 1574-1582.	10.3	126
27	Improved Perovskite Solar Cell Performance by High Growth Rate Spatial Atomic Layer Deposited Titanium Oxide Compact Layer. <i>IEEE Journal of the Electron Devices Society</i> , 2021, 9, 49-56.	2.1	4
28	Enhanced photovoltage and stability of perovskite photovoltaics enabled by a cyclohexylmethylammonium iodide-based 2D perovskite passivation layer. <i>Nanoscale</i> , 2021, 13, 14915-14924.	5.6	16
29	The roles of fused-ring organic semiconductor treatment on SnO <sub>2</sub> in enhancing perovskite solar cell performance. <i>RSC Advances</i> , 2021, 11, 3792-3800.	3.6	8
30	Core Fusion Engineering of Hole-Transporting Materials for Efficient Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2021, 4, 1250-1258.	5.1	9
31	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
32	Fused Dithienopicenocarbazole Enabling High Mobility Dopant-Free Hole-Transporting Polymers for Efficient and Stable Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 6688-6698.	8.0	26
33	The Impact of Pbl <sub>2</sub> :KI Alloys on the Performance of Sequentially Deposited Perovskite Solar Cells. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 821-830.	2.0	5
34	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
35	Effects of Water-to-Cement Ratio on Pore Structure Evolution and Strength Development of Cement Slurry Based on HYMOSTRUC3D and Micro-CT. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3063.	2.5	13
36	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

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37	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
38	cPCN-Regulated SnO <sub>2</sub> Composites Enables Perovskite Solar Cell with Efficiency Beyond 23%. <i>Nano-Micro Letters</i> , 2021, 13, 101.	27.0	31
39	Hierarchical ZSM-5 Supported CoMn Catalyst for the Production of Middle Distillate from Syngas. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 5783-5791.	3.7	9
40	Water-Triggered Transformation of Ligand-Free Lead Halide Perovskite Nanocrystal-Embedded Pb(OH)Br with Ultrahigh Stability. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 23960-23969.	8.0	14
41	Tantalum-Doped TiO <sub>2</sub> Prepared by Atomic Layer Deposition and Its Application in Perovskite Solar Cells. <i>Nanomaterials</i> , 2021, 11, 1504.	4.1	18
42	Marked Passivation Effect of Naphthalene-1,8-dicarboximides in High-Performance Perovskite Solar Cells. <i>Advanced Materials</i> , 2021, 33, e2008405.	21.0	116
43	Enhanced Performance of Perovskite Solar Cells Loaded with Iodine-Rich CsPb <sub>3</sub> Quantum Dots. <i>ACS Applied Energy Materials</i> , 2021, 4, 7535-7543.	5.1	8
44	En Route to Wide Area Emitting Organic Light-Emitting Transistors for Intrinsic Drive-Integrated Display Applications: A Comprehensive Review. <i>Advanced Functional Materials</i> , 2021, 31, 2105506.	14.9	10
45	Multifunctional 2D perovskite capping layer using cyclohexylmethylammonium bromide for highly efficient and stable perovskite solar cells. <i>Materials Today Physics</i> , 2021, 21, 100543.	6.0	14
46	Direct conversion of CO <sub>2</sub> to a jet fuel over CoFe alloy catalysts. <i>Innovation(China)</i> , 2021, 2, 100170.	9.1	21
47	Structural, photophysical, electrochemical and spintronic study of first-row metal Tetrakis(meso-triphenylamine)-porphyrin complexes: A combined experimental and theoretical study. <i>Dyes and Pigments</i> , 2021, 193, 109469.	3.7	15
48	Efficient and Stable 2D@3D/2D Perovskite Solar Cells Based on Dual Optimization of Grain Boundary and Interface. <i>ACS Energy Letters</i> , 2021, 6, 3614-3623.	17.4	113
49	aLFA-C: astronomy large format array controller: design and characterization of an advanced FPA controller. , 2021, , .		0
50	Marked Near-Infrared Response of 2D Ca <sub>3</sub> Sn <sub>2</sub> S <sub>7</sub> Chalcogenide Perovskite via Solid and Electronic Structure Engineering. <i>Journal of Physical Chemistry C</i> , 2021, 125, 20241-20248.	3.1	6
51	Influence of annealing temperature of nickel oxide as hole transport layer applied for inverted perovskite solar cells. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2021, 39, .	2.1	2
52	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
53	Degradation mechanisms of perovskite solar cells under vacuum and one atmosphere of nitrogen. <i>Nature Energy</i> , 2021, 6, 977-986.	39.5	103
54	The effect of the particle size on Fischer-Tropsch synthesis for ZSM-5 zeolite supported cobalt-based catalysts. <i>Chemical Communications</i> , 2021, 57, 13522-13525.	4.1	6

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55	Synergy of Plasmonic Silver Nanorod and Water for Enhanced Planar Perovskite Photovoltaic Devices. <i>Solar Rrl</i> , 2020, 4, 1900231.	5.8	26
56	Miscellaneous and Perspicacious: Hybrid Halide Perovskite Materials Based Photodetectors and Sensors. <i>Advanced Optical Materials</i> , 2020, 8, 2001095.	7.3	46
57	Perovskite-Based Tandem Solar Cells: Get the Most Out of the Sun. <i>Advanced Functional Materials</i> , 2020, 30, 2001904.	14.9	78
58	Accelerated design of photovoltaic Ruddlesden-Popper perovskite $\text{Ca}_6\text{Sn}_4\text{S}_{14}$ using machine learning. <i>APL Materials</i> , 2020, 8, .	5.1	9
59	$\text{NdCl}_3$ Dose as a Universal Approach for High-Efficiency Perovskite Solar Cells Based on Low-Temperature-Processed $\text{SnO}_x$ . <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 46306-46316.	8.0	28
60	Antimony doped lead-free double perovskites ( $\text{Cs}_2\text{NaBi}_3\text{Sb}_x\text{Cl}_6$ ) with enhanced light absorption and tunable emission. <i>Journal of Materials Chemistry C</i> , 2020, 8, 13603-13611.	5.5	45
61	Novel Heterogeneous Catalysts for $\text{CO}_2$ Hydrogenation to Liquid Fuels. <i>ACS Central Science</i> , 2020, 6, 1657-1670.	11.3	182
62	Perovskite Flash Memory with a Single-Layer Nanofloating Gate. <i>Nano Letters</i> , 2020, 20, 5081-5089.	9.1	15
63	Finding junction partners for $\text{CsPbI}_3$ in a two-terminal tandem solar cell: A theoretical prospect. <i>Nano Energy</i> , 2020, 75, 104866.	16.0	39
64	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
65	Rationally designed indium oxide catalysts for $\text{CO}_2$ hydrogenation to methanol with high activity and selectivity. <i>Science Advances</i> , 2020, 6, eaaz2060.	10.3	211
66	Effect of Annealing Temperature on Spatial Atomic Layer Deposited Titanium Oxide and Its Application in Perovskite Solar Cells. <i>Nanomaterials</i> , 2020, 10, 1322.	4.1	17
67	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
68	Solvent-Free Synthesis of Mg-Incorporated Nanocrystalline SAPO-34 Zeolites via Natural Clay for Chloromethane-to-Olefin Conversion. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 4185-4193.	6.7	19
69	Efficient Perovskite Solar Cells by Reducing Interface-Mediated Recombination: a Bulky Amine Approach. <i>Advanced Energy Materials</i> , 2020, 10, 2000197.	19.5	198
70	Interfacial and structural modifications in perovskite solar cells. <i>Nanoscale</i> , 2020, 12, 5719-5745.	5.6	39
71	Fluoroaromatic Cation-Assisted Planar Junction Perovskite Solar Cells with Improved $\text{VOC}$ and Stability: The Role of Fluorination Position. <i>Solar Rrl</i> , 2020, 4, 2000107.	5.8	68
72	Zero-dimensional hybrid iodobismuthate derivatives: from structure study to photovoltaic application. <i>Dalton Transactions</i> , 2020, 49, 5815-5822.	3.3	17

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73	Toward a Full One-Pass Conversion for the Fischer-Tropsch Synthesis over a Highly Selective Cobalt Catalyst. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 8195-8201.	3.7	8
74	Measuring ligand-cell surface receptor affinities with axial line-scanning fluorescence correlation spectroscopy. <i>ELife</i> , 2020, 9, .	6.0	27
75	Confocal and Super-resolution Imaging of RNA in Live Bacteria Using a Fluorogenic Silicon Rhodamine-binding Aptamer. <i>Bio-protocol</i> , 2020, 10, e3603.	0.4	1
76	Application of Perovskite-Structured Materials in Field-Effect Transistors. <i>Advanced Electronic Materials</i> , 2019, 5, 1900444.	5.1	43
77	Standing Carbon-Supported Trace Levels of Metal Derived from Covalent Organic Framework for Electrocatalysis. <i>Small</i> , 2019, 15, e1905363.	10.0	32
78	High-Performance Perovskite Solar Cells with Enhanced Environmental Stability Based on a $(\text{Pb}_{1-x}\text{Sn}_x)_2\text{I}_2\text{FA}_{1-x}\text{MA}_x\text{PbI}_3$ Capping Layer. <i>Advanced Energy Materials</i> , 2019, 9, 1802595.	9.5	213
79	Graphene and carbon nanotube-based solar cells. , 2019, , 603-660.		2
80	Selective Transformation of $\text{CO}_2$ and $\text{H}_2$ into Lower Olefins over $\text{In}_2\text{O}_3$ - $\text{ZnZrO}_4$ /SAPO-34 Bifunctional Catalysts. <i>ChemSusChem</i> , 2019, 12, 3582-3591.	6.8	103
81	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
82	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
83	Selective Production of Aromatics Directly from Carbon Dioxide Hydrogenation. <i>ACS Catalysis</i> , 2019, 9, 3866-3876.	11.2	177
84	Preparation of Highly Dispersion $\text{CuO}/\text{MCM-41}$ Catalysts for $\text{CO}_2$ Hydrogenation. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 3218-3222.	0.9	3
85	The graphene/lanthanum oxide nanocomposites as electrode materials of supercapacitors. <i>Journal of Power Sources</i> , 2019, 419, 99-105.	7.8	191
86	Constructing $\text{CsPbBr}_3$ Cluster Passivated $\text{A}^3\text{B}_3\text{X}_3$ Triple Cation Perovskite for Highly Efficient and Operationally Stable Solar Cells. <i>Advanced Functional Materials</i> , 2019, 29, 1809180.	14.9	64
87	Tin-assisted growth of all-inorganic perovskite nanoplatelets with controllable morphologies and complementary emissions. <i>CrystEngComm</i> , 2019, 21, 2388-2397.	2.6	14
88	Phenanthrene-based hole transport material for efficient dopant-free perovskite solar cells. <i>Organic Electronics</i> , 2019, 65, 135-140.	2.6	18
89	Trash into Treasure: $\text{FA}^3\text{PbI}_3$ Polymorph Stabilized $\text{MAPbI}_3$ Perovskite with Power Conversion Efficiency beyond 21%. <i>Advanced Materials</i> , 2018, 30, e1707143.	21.0	101
90	Promise of commercialization: Carbon materials for low-cost perovskite solar cells. <i>Chinese Physics B</i> , 2018, 27, 018805.	1.4	57

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91	Less is More: Dopant-Free Hole Transporting Materials for High-Efficiency Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2018, 8, 1702512.	19.5	236
92	Template Controlled Synthesis of Mesoporous TiO <sub>2</sub> Particles for Efficient Photoanodes in Dye Sensitized Solar Cells. <i>Journal of the Electrochemical Society</i> , 2018, 165, F1-F6.	2.9	7
93	Organic dyes containing fused acenes as building blocks: Optical, electrochemical and photovoltaic properties. <i>Chinese Chemical Letters</i> , 2018, 29, 289-292.	9.0	18
94	Direct Production of Lower Olefins from CO <sub>2</sub> Conversion via Bifunctional Catalysis. <i>ACS Catalysis</i> , 2018, 8, 571-578.	11.2	382
95	Lead-Free Hybrid Perovskite Absorbers for Viable Application: Can We Eat the Cake and Have It too?. <i>Advanced Science</i> , 2018, 5, 1700331.	11.2	233
96	Recent progress in organohalide lead perovskites for photovoltaic and optoelectronic applications. <i>Coordination Chemistry Reviews</i> , 2018, 373, 258-294.	18.8	67
97	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
98	Dimensionality engineering of hybrid halide perovskite light absorbers. <i>Nature Communications</i> , 2018, 9, 5028.	12.8	245
99	Atomic scale insights into structure instability and decomposition pathway of methylammonium lead iodide perovskite. <i>Nature Communications</i> , 2018, 9, 4807.	12.8	161
100	High-efficiency perovskite-polymer bulk heterostructure light-emitting diodes. <i>Nature Photonics</i> , 2018, 12, 783-789.	31.4	715
101	Pulsed interleaved excitation-based line-scanning spatial correlation spectroscopy (PIE-lsSCS). <i>Scientific Reports</i> , 2018, 8, 16722.	3.3	7
102	Facile Solvent-Free Synthesis of Hollow Fiber Catalyst Assembled by <i>c</i> -axis Oriented ZSM-5 Crystals. <i>ChemCatChem</i> , 2018, 10, 5619-5626.	3.7	15
103	Impact of ĩ Spacers on the Optical, Electrochemical and Photovoltaic performance of D(ĭ) 2 Based Sensitizers. <i>ChemistrySelect</i> , 2018, 3, 5269-5276.	1.5	4
104	Hydrofunctionalization of olefins to value-added chemicals <i>via</i> photocatalytic coupling. <i>Green Chemistry</i> , 2018, 20, 3450-3456.	9.0	21
105	Ferroc domains regulate photocurrent in single-crystalline CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> films self-grown on FTO/TiO <sub>2</sub> substrate. <i>Npj Quantum Materials</i> , 2018, 3, .	5.2	76
106	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
107	Development of Perovskite-Type Materials for Thermoelectric Application. <i>Materials</i> , 2018, 11, 999.	2.9	101
108	Effect of Filler-Hydrates Adhesion Properties on Cement Paste Strength. <i>ACI Materials Journal</i> , 2018, 115, .	0.2	6

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109	Background suppression in fluorescence nanoscopy with stimulated emission double depletion. <i>Nature Photonics</i> , 2017, 11, 163-169.	31.4	109
110	Effects of Sodium on the Catalytic Performance of CoMn Catalysts for Fischer-Tropsch to Olefin Reactions. <i>ACS Catalysis</i> , 2017, 7, 3622-3631.	11.2	157
111	Development of electron and hole selective contact materials for perovskite solar cells. <i>Chinese Chemical Letters</i> , 2017, 28, 1144-1152.	9.0	20
112	Direct conversion of CO <sub>2</sub> into liquid fuels with high selectivity over a bifunctional catalyst. <i>Nature Chemistry</i> , 2017, 9, 1019-1024.	13.6	757
113	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
114	From Nano- to Micrometer Scale: The Role of Antisolvent Treatment on High Performance Perovskite Solar Cells. <i>Chemistry of Materials</i> , 2017, 29, 3490-3498.	6.7	234
115	Molecular engineering of face-on oriented dopant-free hole transporting material for perovskite solar cells with 19% PCE. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7811-7815.	10.3	209
116	A far-red emitting fluorescent marker protein, mGarnet2, for microscopy and STED nanoscopy. <i>Chemical Communications</i> , 2017, 53, 979-982.	4.1	32
117	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
118	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
119	Protein-based fluorescent nanoparticles for super-resolution STED imaging of live cells. <i>Chemical Science</i> , 2017, 8, 2396-2400.	7.4	36
120	Aberration compensation and resolution improvement of focus modulation microscopy. <i>Journal of Optics (United Kingdom)</i> , 2017, 19, 015302.	2.2	3
121	Hexagonal mesoporous silica islands to enhance photovoltaic performance of planar junction perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 1415-1420.	10.3	17
122	Mechanism of the Mn Promoter via CoMn Spinel for Morphology Control: Formation of Co <sub>2</sub> C Nanoprisms for Fischer-Tropsch to Olefins Reaction. <i>ACS Catalysis</i> , 2017, 7, 8023-8032.	11.2	79
123	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
124	Unveiling the Concentration-Dependent Grain Growth of Perovskite Films from One- and Two-Step Deposition Methods: Implications for Photovoltaic Application. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 25063-25066.	8.0	20
125	Dopant-Free Hole-Transporting Materials for Stable and Efficient Perovskite Solar Cells. <i>Advanced Materials</i> , 2017, 29, 1606555.	21.0	171
126	A Strategy to Produce High Efficiency, High Stability Perovskite Solar Cells Using Functionalized Ionic Liquid-Dopants. <i>Advanced Materials</i> , 2017, 29, 1702157.	21.0	115



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127	Opposite-view digital holographic microscopy with autofocusing capability. <i>Scientific Reports</i> , 2017, 7, 4255.	3.3	18
128	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
129	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
130	Precise background subtraction in stimulated emission double depletion nanoscopy. <i>Optics Letters</i> , 2017, 42, 831.	3.3	35
131	High-Efficiency Perovskite Solar Cells Employing a S,N-Heteropentacene-Based Hole-Transport Material. <i>ChemSusChem</i> , 2016, 9, 433-438.	6.8	61
132	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
133	Highly Efficient Perovskite Solar Cells Employing an Easily Attainable Bifluorenylidene-Based Hole-Transporting Material. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7464-7468.	13.8	165
134	An efficient perovskite solar cell with symmetrical Zn(ii) phthalocyanine infiltrated buffering porous Al <sub>2</sub> O <sub>3</sub> as the hybrid interfacial hole-transporting layer. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 27083-27089.	2.8	38
135	Enhanced Charge Collection with Passivation Layers in Perovskite Solar Cells. <i>Advanced Materials</i> , 2016, 28, 3966-3972.	21.0	152
136	Facile synthesized organic hole transporting material for perovskite solar cell with efficiency of 19.8%. <i>Nano Energy</i> , 2016, 23, 138-144.	16.0	253
137	Donor-acceptor 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
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