List of Publications by Year
in descending order

204 papers	37,783 citations	8159 76 h-index	2736 192 g-index
212 all docs	212 docs citations	212 times ranked	28218 citing authors

#	Article	IF	Citations
1	A facile gas-driven ink spray (GDIS) deposition strategy toward hole-conductor-free carbon-based perovskite solar cells. Emergent Materials, 2022, 5, 967-975.	3.2	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?. Journal of Energy Chemistry, 2022, 64, 179-189.	7.1	28
3	Rear Interface Engineering to Suppress Migration of Iodide Ions for Efficient Perovskite Solar Cells with Minimized Hysteresis. Advanced Functional Materials, 2022, 32, 2107823.	7.8	57
4	N-doped MXene derived from chitosan for the highly effective electrochemical properties as supercapacitor. Advanced Composites and Hybrid Materials, 2022, 5, 356-369.	9.9	93
5	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.	7.1	28
6	Improvement of the electrokinetic fluxes by tall fescue: Alleviation of ion attenuation and maintainability of soil colloidal properties. Chemosphere, 2022, 290, 133128.	4.2	4
7	Intramolecular Noncovalent Interactionâ€Enabled Dopantâ€Free Holeâ€Transporting Materials for Highâ€Performance Inverted Perovskite Solar Cells. Angewandte Chemie, 2022, 134, .	1.6	18
8	Intramolecular Noncovalent Interactionâ€Enabled Dopantâ€Free Holeâ€Transporting Materials for Highâ€Performance Inverted Perovskite Solar Cells. Angewandte Chemie - International Edition, 2022, 61, e202113749.	7.2	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%. Journal of Materials Chemistry A, 2022, 10, 3409-3417.	5.2	19
10	Hot-Air Treatment-Regulated Diffusion of LiTFSI to Accelerate the Aging-Induced Efficiency Rising of Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2022, 14, 4378-4388.	4.0	9
11	Effect of Annealing Temperature on Tantalum-Doped TiO₂ as Electron Transport Layer in Perovskite Solar Cells. IEEE Transactions on Electron Devices, 2022, 69, 1149-1154.	1.6	3
12	Compositional engineering of metal-xanthate precursors toward (Bi_{1âˆ’<i>x</i>}Sb_{<i>x</i>})₂S₃ (0 â‰ <i>x</i> â‰ 0.05) films with enhanced room temperature thermoelectric performance. Journal of Materials Chemistry C, 2022, 10, 1718-1726.	2.7	6
13	F-containing cations improve the performance of perovskite solar cells. Journal of Semiconductors, 2022, 43, 010202.	2.0	12
14	Gold-Based Double Perovskite-Related Polymorphs: Low Dimensional with an Ultranarrow Bandgap. Chemistry of Materials, 2022, 34, 1544-1553.	3.2	6
15	Impacts of plasmonic nanoparticles incorporation and interface energy alignment for highly efficient carbon-based perovskite solar cells. Scientific Reports, 2022, 12, 5367.	1.6	20
16	Deciphering the Reduced Loss in High Fill Factor Inverted Perovskite Solar Cells with Methoxy-Substituted Poly(Triarylamine) as the Hole Selective Contact. ACS Applied Materials & Interfaces, 2022, 14, 12640-12651.	4.0	11
17	Passivating defects via 4-cyanobenzenaminium iodide enables 22.44% efficiency perovskite solar cells. Electrochimica Acta, 2022, 413, 140172.	2.6	12
18	CsPbBr3 perovskite based tandem device for CO2 photoreduction. Chemical Engineering Journal, 2022, 443, 136447.	6.6	8

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19	Compact Ga2O3 Thin Films Deposited by Plasma Enhanced Atomic Layer Deposition at Low Temperature. Nanomaterials, 2022, 12, 1510.	1.9	10
20	Atomic Permutation toward New Ruddlesdenâ€“Popper Two-Dimensional Perovskite with the Smallest Interlayer Spacing. Journal of Physical Chemistry C, 2022, 126, 8268-8277.	1.5	6
21	Surface Polarity Regulation by Relieving Fermiâ€Level Pinning with Naphthalocyanine Tetraimides toward Efficient Perovskite Solar Cells with Improved Photostability. Advanced Energy Materials, 2022, 12, .	10.2	30
22	Lansoprazole, a cure-four, enables perovskite solar cells efficiency exceeding 24%. Chemical Engineering Journal, 2022, 446, 137416.	6.6	14
23	2D or not 2D? Selectively formed low-dimensional perovskitoids based on chiral organic cation to passivate perovskite solar cells. Applied Materials Today, 2022, 28, 101550.	2.3	5
24	In-situ peptization of WO3 in alkaline SnO2 colloid for stable perovskite solar cells with record fill-factor approaching the shockleyâ€“queisser limit. Nano Energy, 2022, 100, 107468.	8.2	29
25	Donorâ€“Ï€â€“Acceptor Type Porphyrin Derivatives Assisted Defect Passivation for Efficient Hybrid Perovskite Solar Cells. Advanced Functional Materials, 2021, 31, 2007762.	7.8	106
26	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.	5.2	126
27	Improved Perovskite Solar Cell Performance by High Growth Rate Spatial Atomic Layer Deposited Titanium Oxide Compact Layer. IEEE Journal of the Electron Devices Society, 2021, 9, 49-56.	1.2	4
28	Enhanced photovoltage and stability of perovskite photovoltaics enabled by a cyclohexylmethylammonium iodide-based 2D perovskite passivation layer. Nanoscale, 2021, 13, 14915-14924.	2.8	16
29	The roles of fused-ring organic semiconductor treatment on SnO₂ in enhancing perovskite solar cell performance. RSC Advances, 2021, 11, 3792-3800.	1.7	8
30	Core Fusion Engineering of Hole-Transporting Materials for Efficient Perovskite Solar Cells. ACS Applied Energy Materials, 2021, 4, 1250-1258.	2.5	9
31	Electron-deficient 4-nitrophthalonitrile passivated efficient perovskite solar cells with efficiency exceeding 22%. Sustainable Energy and Fuels, 2021, 5, 2347-2353.	2.5	18
32	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.	4.0	26
33	The Impact of PbI 2 :KI Alloys on the Performance of Sequentially Deposited Perovskite Solar Cells. European Journal of Inorganic Chemistry, 2021, 2021, 821-830.	1.0	5
34	Plasmonâ€Enhanced Perovskite Solar Cells with Efficiency Beyond 21â€‰%: The Asynchronous Synergistic Effect of Water and Gold Nanorods. ChemPlusChem, 2021, 86, 291-297.	1.3	29
35	Effects of Water-to-Cement Ratio on Pore Structure Evolution and Strength Development of Cement Slurry Based on HYMOSTRUC3D and Micro-CT. Applied Sciences (Switzerland), 2021, 11, 3063.	1.3	13
36	Duallyâ€Passivated Perovskite Solar Cells with Reduced Voltage Loss and Increased Super Oxide Resistance. Angewandte Chemie, 2021, 133, 8384-8393.	1.6	66

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37	Duallyâ€Passivated Perovskite Solar Cells with Reduced Voltage Loss and Increased Super Oxide Resistance. Angewandte Chemie - International Edition, 2021, 60, 8303-8312.	7.2	90
38	cPCN-Regulated SnO2 Composites Enables Perovskite Solar Cell with Efficiency Beyond 23%. Nano-Micro Letters, 2021, 13, 101.	14.4	31
39	Hierarchical ZSM-5 Supported CoMn Catalyst for the Production of Middle Distillate from Syngas. Industrial & Engineering Chemistry Research, 2021, 60, 5783-5791.	1.8	9
40	Water-Triggered Transformation of Ligand-Free Lead Halide Perovskite Nanocrystal-Embedded Pb(OH)Br with Ultrahigh Stability. ACS Applied Materials & Interfaces, 2021, 13, 23960-23969.	4.0	14
41	Tantalum-Doped TiO2 Prepared by Atomic Layer Deposition and Its Application in Perovskite Solar Cells. Nanomaterials, 2021, 11, 1504.	1.9	18
42	Marked Passivation Effect of Naphthaleneâ€1,8â€Dicarboximides in Highâ€Performance Perovskite Solar Cells. Advanced Materials, 2021, 33, e2008405.	11.1	116
43	Enhanced Performance of Perovskite Solar Cells Loaded with Iodine-Rich CsPbI₃ Quantum Dots. ACS Applied Energy Materials, 2021, 4, 7535-7543.	2.5	8
44	En Route to Wide Area Emitting Organic Lightâ€Emitting Transistors for Intrinsic Driveâ€Integrated Display Applications: A Comprehensive Review. Advanced Functional Materials, 2021, 31, 2105506.	7.8	10
45	Multifunctional 2D perovskite capping layer using cyclohexylmethylammonium bromide for highly efficient and stable perovskite solar cells. Materials Today Physics, 2021, 21, 100543.	2.9	14
46	Direct conversion of CO2 to a jet fuel over CoFe alloy catalysts. Innovation(China), 2021, 2, 100170.	5.2	21
47	Structural, photophysical, electrochemical and spintronic study of first-row metal Tetrakis(meso-triphenylamine)-porphyrin complexes: A combined experimental and theoretical study. Dyes and Pigments, 2021, 193, 109469.	2.0	15
48	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.	8.8	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 Ca₃Sn₂S₇ Chalcogenide Perovskite via Solid and Electronic Structure Engineering. Journal of Physical Chemistry C, 2021, 125, 20241-20248.	1.5	6
51	Influence of annealing temperature of nickel oxide as hole transport layer applied for inverted perovskite solar cells. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2021, 39, .	0.9	2
52	Grain Boundary Engineering with Self-Assembled Porphyrin Supramolecules for Highly Efficient Large-Area Perovskite Photovoltaics. Journal of the American Chemical Society, 2021, 143, 18989-18996.	6.6	83
53	Degradation mechanisms of perovskite solar cells under vacuum and one atmosphere of nitrogen. Nature Energy, 2021, 6, 977-986.	19.8	103
54	The effect of the particle size on Fischerâ€œTropsch synthesis for ZSM-5 zeolite supported cobalt-based catalysts. Chemical Communications, 2021, 57, 13522-13525.	2.2	6

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55	Synergy of Plasmonic Silver Nanorod and Water for Enhanced Planar Perovskite Photovoltaic Devices. Solar Rrl, 2020, 4, 1900231.	3.1	26
56	Miscellaneous and Perspicacious: Hybrid Halide Perovskite Materials Based Photodetectors and Sensors. Advanced Optical Materials, 2020, 8, 2001095.	3.6	46
57	Perovskiteâ€Based Tandem Solar Cells: Get the Most Out of the Sun. Advanced Functional Materials, 2020, 30, 2001904.	7.8	78
58	Accelerated design of photovoltaic Ruddlesdenâ€"Popper perovskite Ca6Sn4S14â^’<i>x</i>O<i>x</i> using machine learning. APL Materials, 2020, 8, .	2.2	9
59	NdCl₃ Dose as a Universal Approach for High-Efficiency Perovskite Solar Cells Based on Low-Temperature-Processed SnO_{<i>x</i>}. ACS Applied Materials & Interfaces, 2020, 12, 46306-46316.	4.0	28
60	Antimony doped lead-free double perovskites (Cs₂NaBi_{1â^’x}Sb_xCl₆) with enhanced light absorption and tunable emission. Journal of Materials Chemistry C, 2020, 8, 13603-13611.	2.7	45
61	Novel Heterogeneous Catalysts for CO₂ Hydrogenation to Liquid Fuels. ACS Central Science, 2020, 6, 1657-1670.	5.3	182
62	Perovskite Flash Memory with a Single-Layer Nanofloating Gate. Nano Letters, 2020, 20, 5081-5089.	4.5	15
63	Finding junction partners for CsPbI3 in a two-terminal tandem solar cell: A theoretical prospect. Nano Energy, 2020, 75, 104866.	8.2	39
64	Lewis-base containing spiro type hole transporting materials for high-performance perovskite solar cells with efficiency approaching 20%. Nanoscale, 2020, 12, 13157-13164.	2.8	30
65	Rationally designed indium oxide catalysts for CO ₂ hydrogenation to methanol with high activity and selectivity. Science Advances, 2020, 6, eaaz2060.	4.7	211
66	Effect of Annealing Temperature on Spatial Atomic Layer Deposited Titanium Oxide and Its Application in Perovskite Solar Cells. Nanomaterials, 2020, 10, 1322.	1.9	17
67	A hysteresis-free perovskite transistor with exceptional stability through molecular cross-linking and amine-based surface passivation. Nanoscale, 2020, 12, 7641-7650.	2.8	40
68	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.	3.2	19
69	Efficient Perovskite Solar Cells by Reducing Interfaceâ€Mediated Recombination: a Bulky Amine Approach. Advanced Energy Materials, 2020, 10, 2000197.	10.2	198
70	Interfacial and structural modifications in perovskite solar cells. Nanoscale, 2020, 12, 5719-5745.	2.8	39
71	Fluoroaromatic Cationâ€Assisted Planar Junction Perovskite Solar Cells with Improved <i>V</i>_{OC} and Stability: The Role of Fluorination Position. Solar Rrl, 2020, 4, 2000107.	3.1	68
72	Zero-dimensional hybrid iodobismuthate derivatives: from structure study to photovoltaic application. Dalton Transactions, 2020, 49, 5815-5822.	1.6	17

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74	Measuring ligand-cell surface receptor affinities with axial line-scanning fluorescence correlation spectroscopy. ELife, 2020, 9, .	2.8	27
75	Confocal and Super-resolution Imaging of RNA in Live Bacteria Using a Fluorogenic Silicon Rhodamine-binding Aptamer. Bio-protocol, 2020, 10, e3603.	0.2	1
76	Application of Perovskiteâ€Structured Materials in Fieldâ€Effect Transistors. Advanced Electronic Materials, 2019, 5, 1900444.	2.6	43
77	Standing Carbonâ€Supported Trace Levels of Metal Derived from Covalent Organic Framework for Electrocatalysis. Small, 2019, 15, e1905363.	5.2	32
78	Highâ€Performance Perovskite Solar Cells with Enhanced Environmental Stability Based on a (<i>p</i>â€FC₆H₄C₂H₄NH₃)₂[PbI₄] Capping Layer. Advanced Energy Materials, 2019, 9, 1802595.	10.2	213
79	Graphene and carbon nanotube-based solar cells. , 2019, , 603-660.		2
80	Selective Transformation of CO₂ and H₂ into Lower Olefins over In₂O₃â€ZnZrO_{<i>x</i>}/SAPOâ€34 Bifunctional Catalysts. ChemSusChem, 2019, 12, 3582-3591.	3.6	103
81	SiRA: A Silicon Rhodamine-Binding Aptamer for Live-Cell Super-Resolution RNA Imaging. Journal of the American Chemical Society, 2019, 141, 7562-7571.	6.6	99
82	Trivalent ion mediated abnormal growth of all-inorganic perovskite nanocrystals and their divergent emission properties. Nanoscale, 2019, 11, 7903-7912.	2.8	29
83	Selective Production of Aromatics Directly from Carbon Dioxide Hydrogenation. ACS Catalysis, 2019, 9, 3866-3876.	5.5	177
84	Preparation of Highly Dispersion CuO/MCM-41 Catalysts for CO₂ Hydrogenation. Journal of Nanoscience and Nanotechnology, 2019, 19, 3218-3222.	0.9	3
85	The graphene/lanthanum oxide nanocomposites as electrode materials of supercapacitors. Journal of Power Sources, 2019, 419, 99-105.	4.0	191
86	Constructing CsPbBr₃ Cluster Passivatedâ€Triple Cation Perovskite for Highly Efficient and Operationally Stable Solar Cells. Advanced Functional Materials, 2019, 29, 1809180.	7.8	64
87	Tin-assisted growth of all-inorganic perovskite nanoplatelets with controllable morphologies and complementary emissions. CrystEngComm, 2019, 21, 2388-2397.	1.3	14
88	Phenanthrenone-based hole transport material for efficient dopant-free perovskite solar cells. Organic Electronics, 2019, 65, 135-140.	1.4	18
89	Trash into Treasure: Î´â€FAPbI₃ Polymorph Stabilized MAPbI₃ Perovskite with Power Conversion Efficiency beyond 21%. Advanced Materials, 2018, 30, e1707143.	11.1	101
90	Promise of commercialization: Carbon materials for low-cost perovskite solar cells. Chinese Physics B, 2018, 27, 018805.	0.7	57

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92	Template Controlled Synthesis of Mesoporous TiO2Particles for Efficient Photoanodes in Dye Sensitized Solar Cells. Journal of the Electrochemical Society, 2018, 165, F1-F6.	1.3	7
93	Organic dyes containing fused acenes as building blocks: Optical, electrochemical and photovoltaic properties. Chinese Chemical Letters, 2018, 29, 289-292.	4.8	18
94	Direct Production of Lower Olefins from CO₂ Conversion via Bifunctional Catalysis. ACS Catalysis, 2018, 8, 571-578.	5.5	382
95	Leadâ€Free Hybrid Perovskite Absorbers for Viable Application: Can We Eat the Cake and Have It too?. Advanced Science, 2018, 5, 1700331.	5.6	233
96	Recent progress in organohalide lead perovskites for photovoltaic and optoelectronic applications. Coordination Chemistry Reviews, 2018, 373, 258-294.	9.5	67
97	Palladium single atoms supported by interwoven carbon nanotube and manganese oxide nanowire networks for enhanced electrocatalysis. Journal of Materials Chemistry A, 2018, 6, 23366-23377.	5.2	68
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99	Atomic scale insights into structure instability and decomposition pathway of methylammonium lead iodide perovskite. Nature Communications, 2018, 9, 4807.	5.8	161
100	High-efficiency perovskiteâ€“polymer bulk heterostructure light-emitting diodes. Nature Photonics, 2018, 12, 783-789.	15.6	715
101	Pulsed interleaved excitation-based line-scanning spatial correlation spectroscopy (PIE-lsSCS). Scientific Reports, 2018, 8, 16722.	1.6	7
102	Facile Solventâ€free Synthesis of Hollow Fiber Catalyst Assembled by <i>câ€“</i>axis Oriented ZSMâ€5 Crystals. ChemCatChem, 2018, 10, 5619-5626.	1.8	15
103	Impact of Ï€ Spacers on the Optical, Electrochemical and Photovoltaic performance of Dâ€(Ï€â€A) 2 Based Sensitizers. ChemistrySelect, 2018, 3, 5269-5276.	0.7	4
104	Hydrofunctionalization of olefins to value-added chemicals <i>via</i> photocatalytic coupling. Green Chemistry, 2018, 20, 3450-3456.	4.6	21
105	Ferroic domains regulate photocurrent in single-crystalline CH3NH3PbI3 films self-grown on FTO/TiO2 substrate. Npj Quantum Materials, 2018, 3, .	1.8	76
106	All that glitters is not gold: Recent progress of alternative counter electrodes for perovskite solar cells. Nano Energy, 2018, 52, 211-238.	8.2	85
107	Development of Perovskite-Type Materials for Thermoelectric Application. Materials, 2018, 11, 999.	1.3	101
108	Effect of Filler-Hydrates Adhesion Properties on Cement Paste Strength. ACI Materials Journal, 2018, 115, .	0.3	6

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109	Background suppression in fluorescence nanoscopy with stimulated emission double depletion. Nature Photonics, 2017, 11, 163-169.	15.6	109
110	Effects of Sodium on the Catalytic Performance of CoMn Catalysts for Fischerâ€“Tropsch to Olefin Reactions. ACS Catalysis, 2017, 7, 3622-3631.	5.5	157
111	Development of electron and hole selective contact materials for perovskite solar cells. Chinese Chemical Letters, 2017, 28, 1144-1152.	4.8	20
112	Direct conversion of CO2 into liquid fuels with high selectivity over a bifunctional catalyst. Nature Chemistry, 2017, 9, 1019-1024.	6.6	757
113	Enhanced Electrocatalysis via 3D Graphene Aerogel Engineered with a Silver Nanowire Network for Ultrahighâ€Rate Zincâ€“Air Batteries. Advanced Functional Materials, 2017, 27, 1700041.	7.8	85
114	From Nano- to Micrometer Scale: The Role of Antisolvent Treatment on High Performance Perovskite Solar Cells. Chemistry of Materials, 2017, 29, 3490-3498.	3.2	234
115	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.	5.2	209
116	A far-red emitting fluorescent marker protein, mGarnet2, for microscopy and STED nanoscopy. Chemical Communications, 2017, 53, 979-982.	2.2	32
117	Highly efficient perovskite solar cells with a compositionally engineered perovskite/hole transporting material interface. Energy and Environmental Science, 2017, 10, 621-627.	15.6	436
118	Molecularly Engineered Phthalocyanines as Holeâ€Transporting Materials in Perovskite Solar Cells Reaching Power Conversion Efficiency of 17.5%. Advanced Energy Materials, 2017, 7, 1601733.	10.2	90
119	Protein-based fluorescent nanoparticles for super-resolution STED imaging of live cells. Chemical Science, 2017, 8, 2396-2400.	3.7	36
120	Aberration compensation and resolution improvement of focus modulation microscopy. Journal of Optics (United Kingdom), 2017, 19, 015302.	1.0	3
121	Hexagonal mesoporous silica islands to enhance photovoltaic performance of planar junction perovskite solar cells. Journal of Materials Chemistry A, 2017, 5, 1415-1420.	5.2	17
122	Mechanism of the Mn Promoter via CoMn Spinel for Morphology Control: Formation of Co₂C Nanoprisms for Fischerâ€“Tropsch to Olefins Reaction. ACS Catalysis, 2017, 7, 8023-8032.	5.5	79
123	A review of the catalytic hydrogenation of carbon dioxide into value-added hydrocarbons. Catalysis Science and Technology, 2017, 7, 4580-4598.	2.1	385
124	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.	4.0	20
125	Dopantâ€Free Holeâ€Transporting Materials for Stable and Efficient Perovskite Solar Cells. Advanced Materials, 2017, 29, 1606555.	11.1	171
126	A Strategy to Produce High Efficiency, High Stability Perovskite Solar Cells Using Functionalized Ionic Liquidâ€Dopants. Advanced Materials, 2017, 29, 1702157.	11.1	115

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127	Opposite-view digital holographic microscopy with autofocusing capability. Scientific Reports, 2017, 7, 4255.	1.6	18
128	Lowâ€Cost Perovskite Solar Cells Employing Dimethoxydiphenylamineâ€Substituted Bistricyclic Aromatic Enes as Hole Transport Materials. ChemSusChem, 2017, 10, 3825-3832.	3.6	37
129	Enhanced charge collection with passivation of the tin oxide layer in planar perovskite solar cells. Journal of Materials Chemistry A, 2017, 5, 12729-12734.	5.2	103
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133	Highly Efficient Perovskite Solar Cells Employing an Easily Attainable Bifluorenylideneâ€Based Holeâ€Transporting Material. Angewandte Chemie - International Edition, 2016, 55, 7464-7468.	7.2	165
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135	Enhanced Charge Collection with Passivation Layers in Perovskite Solar Cells. Advanced Materials, 2016, 28, 3966-3972.	11.1	152
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140	PbI₂â€“HMPA Complex Pretreatment for Highly Reproducible and Efficient CH₃NH₃PbI₃ Perovskite Solar Cells. Journal of the American Chemical Society, 2016, 138, 14380-14387.	6.6	107
141	A balanced cation exchange reaction toward highly uniform and pure phase FA_{1âˆ’x}MA_xPbI₃ perovskite films. Journal of Materials Chemistry A, 2016, 4, 14437-14443.	5.2	64
142	3â€‰D Imaging and Structural Analysis of a Mesoporousâ€Silicaâ€Bodyâ€Supported Eggshell Cobalt Catalyst for Fischerâ€“Tropsch Synthesis. ChemCatChem, 2016, 8, 2920-2929.	1.8	3
143	Extending the Lifetime of Perovskite Solar Cells using a Perfluorinated Dopant. ChemSusChem, 2016, 9, 2708-2714.	3.6	62
144	Glutathione Modified Gold Nanoparticles for Sensitive Colorimetric Detection of Pb²⁺ Ions in Rainwater Polluted by Leaking Perovskite Solar Cells. Analytical Chemistry, 2016, 88, 12316-12322.	3.2	86

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145	3â€‰D Imaging and Structural Analysis of a Mesoporous-Silica-Body-Supported Eggshell Cobalt Catalyst for Fischer-Tropsch Synthesis. ChemCatChem, 2016, 8, 2860-2860.	1.8	0
146	A molecularly engineered hole-transporting material for efficient perovskite solar cells. Nature Energy, 2016, 1, .	19.8	816
147	A highly hindered bithiophene-functionalized dispiro-oxepine derivative as an efficient hole transporting material for perovskite solar cells. Journal of Materials Chemistry A, 2016, 4, 18259-18264.	5.2	78
148	Photovoltaic and Amplified Spontaneous Emission Studies of Highâ€Quality Formamidinium Lead Bromide Perovskite Films. Advanced Functional Materials, 2016, 26, 2846-2854.	7.8	66
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