Fei Zhang

List of Publications by Year
in descending order

158 papers	11,120 citations	50244 46 h-index	30894 102 g-index
159 all docs	159 docs citations	159 times ranked	9289 citing authors

#	Article	IF	Citations
1	Polymer-templated nucleation and crystal growth of perovskite films for solar cells with efficiency greater thanÂ21%. Nature Energy, 2016, 1, .	19.8	1,719
2	Carrier lifetimes of >1 Î¼s in Sn-Pb perovskites enable efficient all-perovskite tandem solar cells. Science, 2019, 364, 475-479.	6.0	781
3	Additive Engineering for Efficient and Stable Perovskite Solar Cells. Advanced Energy Materials, 2020, 10, 1902579.	10.2	477
4	Efficient, stable silicon tandem cells enabled by anion-engineered wide-bandgap perovskites. Science, 2020, 368, 155-160.	6.0	420
5	Advances in two-dimensional organicâ€“inorganic hybrid perovskites. Energy and Environmental Science, 2020, 13, 1154-1186.	15.6	420
6	Isomerâ€Pure Bisâ€PCBMâ€Assisted Crystal Engineering of Perovskite Solar Cells Showing Excellent Efficiency and Stability. Advanced Materials, 2017, 29, 1606806.	11.1	320
7	Tailored Amphiphilic Molecular Mitigators for Stable Perovskite Solar Cells with 23.5% Efficiency. Advanced Materials, 2020, 32, e1907757.	11.1	303
8	On-device lead sequestration for perovskite solar cells. Nature, 2020, 578, 555-558.	13.7	284
9	Suppressing defects through the synergistic effect of a Lewis base and a Lewis acid for highly efficient and stable perovskite solar cells. Energy and Environmental Science, 2018, 11, 3480-3490.	15.6	274
10	Enhanced Charge Transport in 2D Perovskites via Fluorination of Organic Cation. Journal of the American Chemical Society, 2019, 141, 5972-5979.	6.6	274
11	From Defects to Degradation: A Mechanistic Understanding of Degradation in Perovskite Solar Cell Devices and Modules. Advanced Energy Materials, 2020, 10, 1904054.	10.2	256
12	Over 20% PCE perovskite solar cells with superior stability achieved by novel and low-cost hole-transporting materials. Nano Energy, 2017, 41, 469-475.	8.2	232
13	Bimolecular Additives Improve Wide-Band-Gap Perovskites for Efficient Tandem Solar Cells with CIGS. Joule, 2019, 3, 1734-1745.	11.7	227
14	Metastable Dion-Jacobson 2D structure enables efficient and stable perovskite solar cells. Science, 2022, 375, 71-76.	6.0	216
15	Mesoscopic TiO2/CH3NH3PbI3 perovskite solar cells with new hole-transporting materials containing butadiene derivatives. Chemical Communications, 2014, 50, 6931.	2.2	163
16	A Novel Dopantâ€Free Triphenylamine Based Molecular â€œButterflyâ€•Holeâ€Transport Material for Highly Efficient and Stable Perovskite Solar Cells. Advanced Energy Materials, 2016, 6, 1600401.	10.2	161
17	Scalable slot-die coating of high performance perovskite solar cells. Sustainable Energy and Fuels, 2018, 2, 2442-2449.	2.5	155
18	Synergistic Effect of Fluorinated Passivator and Hole Transport Dopant Enables Stable Perovskite Solar Cells with an Efficiency Near 24%. Journal of the American Chemical Society, 2021, 143, 3231-3237.	6.6	152

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19	Energy level tuning of TPB-based hole-transporting materials for highly efficient perovskite solar cells. Chemical Communications, 2014, 50, 15239-15242.	2.2	134
20	Novel hole transporting materials with a linear Ï€-conjugated structure for highly efficient perovskite solar cells. Chemical Communications, 2014, 50, 5829.	2.2	132
21	Impact of Peripheral Groups on Phenothiazine-Based Hole-Transporting Materials for Perovskite Solar Cells. ACS Energy Letters, 2018, 3, 1145-1152.	8.8	125
22	Carrier control in Snâ€“Pb perovskites via 2D cation engineering for all-perovskite tandem solar cells with improved efficiency and stability. Nature Energy, 2022, 7, 642-651.	19.8	121
23	Self-Seeding Growth for Perovskite Solar Cells with Enhanced Stability. Joule, 2019, 3, 1452-1463.	11.7	120
24	Improving Charge Transport via Intermediateâ€Controlled Crystal Growth in 2D Perovskite Solar Cells. Advanced Functional Materials, 2019, 29, 1901652.	7.8	103
25	Tuning the crystal growth of perovskite thin-films by adding the 2-pyridylthiourea additive for highly efficient and stable solar cells prepared in ambient air. Journal of Materials Chemistry A, 2017, 5, 13448-13456.	5.2	96
26	Suppressing defects through thiadiazole derivatives that modulate CH₃NH₃PbI₃ crystal growth for highly stable perovskite solar cells under dark conditions. Journal of Materials Chemistry A, 2018, 6, 4971-4980.	5.2	95
27	Simple Way to Engineer Metalâ€“Semiconductor Interface for Enhanced Performance of Perovskite Organic Lead Iodide Solar Cells. ACS Applied Materials & Interfaces, 2014, 6, 5651-5656.	4.0	93
28	Wide-Bandgap Metal Halide Perovskites for Tandem Solar Cells. ACS Energy Letters, 2021, 6, 232-248.	8.8	89
29	Advances in SnO₂-based perovskite solar cells: from preparation to photovoltaic applications. Journal of Materials Chemistry A, 2021, 9, 19554-19588.	5.2	88
30	A novel one-step synthesized and dopant-free hole transport material for efficient and stable perovskite solar cells. Journal of Materials Chemistry A, 2016, 4, 16330-16334.	5.2	87
31	Dopantâ€Free Donor (D)â€“Ï€â€“Dâ€“Ï€â€“D Conjugated Holeâ€Transport Materials for Efficient and Stable Perovskite Solar Cells. ChemSusChem, 2016, 9, 2578-2585.	3.6	83
32	Dopant-free star-shaped hole-transport materials for efficient and stable perovskite solar cells. Dyes and Pigments, 2017, 136, 273-277.	2.0	83
33	Enhanced stability and optoelectronic properties of MAPbI₃ films by a cationic surface-active agent for perovskite solar cells. Journal of Materials Chemistry A, 2018, 6, 10825-10834.	5.2	81
34	Efficient and Stable Graded CsPbI3â^'xBrx Perovskite Solar Cells and Submodules by Orthogonal Processable Spray Coating. Joule, 2021, 5, 481-494.	11.7	81
35	Enhancing Charge Transport of 2D Perovskite Passivation Agent for Wideâ€Bandgap Perovskite Solar Cells Beyond 21%. Solar Rrl, 2020, 4, 2000082.	3.1	79
36	Carbon Nanotube Bridging Method for Hole Transport Layer-Free Paintable Carbon-Based Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 916-923.	4.0	77

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37	Structural Stability of Formamidinium- and Cesium-Based Halide Perovskites. ACS Energy Letters, 2021, 6, 1942-1969.	8.8	76
38	Enhanced Charge Transport by Incorporating Formamidinium and Cesium Cations into Twoâ€Dimensional Perovskite Solar Cells. Angewandte Chemie - International Edition, 2019, 58, 11737-11741.	7.2	67
39	Low-Cost Dopant Additive-Free Hole-Transporting Material for a Robust Perovskite Solar Cell with Efficiency Exceeding 21%. ACS Energy Letters, 2021, 6, 208-215.	8.8	67
40	Efficient CH3NH3PbI3 perovskite solar cells with 2TPA-n-DP hole-transporting layers. Nano Research, 2015, 8, 1116-1127.	5.8	65
41	3D/2D multidimensional perovskites: Balance of high performance and stability for perovskite solar cells. Current Opinion in Electrochemistry, 2018, 11, 105-113.	2.5	59
42	Simple Triphenylamine-Based Hole-Transporting Materials for Perovskite Solar Cells. Electrochimica Acta, 2015, 182, 733-741.	2.6	57
43	Characterizing the Efficiency of Perovskite Solar Cells and Light-Emitting Diodes. Joule, 2020, 4, 1206-1235.	11.7	53
44	On-device lead-absorbing tapes for sustainable perovskite solar cells. Nature Sustainability, 2021, 4, 1038-1041.	11.5	53
45	High-performance methylammonium-free ideal-band-gap perovskite solar cells. Matter, 2021, 4, 1365-1376.	5.0	51
46	Anatase TiO2 hollow spheres with small dimension fabricated via a simple preparation method for dye-sensitized solar cells with an ionic liquid electrolyte. Electrochimica Acta, 2012, 60, 422-427.	2.6	48
47	Carbazole-Based Hole-Transport Materials for High-Efficiency and Stable Perovskite Solar Cells. ACS Applied Energy Materials, 2020, 3, 4492-4498.	2.5	47
48	Morphology Engineering: A Route to Highly Reproducible and High Efficiency Perovskite Solar Cells. ChemSusChem, 2017, 10, 1624-1630.	3.6	46
49	Surface engineering with oxidized Ti3C2Tx MXene enables efficient and stable p-i-n-structured CsPbI3 perovskite solar cells. Joule, 2022, 6, 1672-1688.	11.7	45
50	Mitigating Measurement Artifacts in TOF-SIMS Analysis of Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 30911-30918.	4.0	44
51	Novel dopant-free metallophthalocyanines based hole transporting materials for perovskite solar cells: The effect of core metal on photovoltaic performance. Solar Energy, 2017, 155, 121-129.	2.9	40
52	Dopant-free and low-cost molecular â€œbeeâ€•hole-transporting materials for efficient and stable perovskite solar cells. Journal of Materials Chemistry C, 2017, 5, 11429-11435.	2.7	40
53	Solution-processed thermally stable amorphous films of small molecular hole injection/transport bi-functional materials and their application in high efficiency OLEDs. Journal of Materials Chemistry C, 2015, 3, 11377-11384.	2.7	39
54	Mixed-ligand engineering of quasi-2D perovskites for efficient sky-blue light-emitting diodes. Journal of Materials Chemistry C, 2020, 8, 1319-1325.	2.7	39

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55	Recent Progress of Perovskite Solar Cells. Current Nanoscience, 2016, 12, 137-156.	0.7	39
56	A novel asymmetric phthalocyanine-based hole transporting material for perovskite solar cells with an open-circuit voltage above 1.0 V. Synthetic Metals, 2016, 220, 462-468.	2.1	38
57	Inhomogeneous Doping of Perovskite Materials by Dopants from Hole-Transport Layer. Matter, 2020, 2, 261-272.	5.0	38
58	Individual Electron and Hole Mobilities in Lead-Halide Perovskites Revealed by Noncontact Methods. ACS Energy Letters, 2020, 5, 47-55.	8.8	37
59	Surface lattice engineering through three-dimensional lead iodide perovskitoid for high-performance perovskite solar cells. CheM, 2021, 7, 774-785.	5.8	37
60	A thin pristine non-triarylamine hole-transporting material layer for efficient CH₃NH₃PbI₃perovskite solar cells. RSC Advances, 2014, 4, 32918.	1.7	35
61	Mixed cations and mixed halide perovskite solar cell with lead thiocyanate additive for high efficiency and long-term moisture stability. Organic Electronics, 2018, 53, 249-255.	1.4	35
62	Position effect of arylamine branches on pyrene-based dopant-free hole transport materials for efficient and stable perovskite solar cells. Chemical Engineering Journal, 2020, 387, 123965.	6.6	34
63	Hydrazinium cation mixed FAPbI3-based perovskite with 1D/3D hybrid dimension structure for efficient and stable solar cells. Chemical Engineering Journal, 2021, 403, 125724.	6.6	33
64	Beyond efficiency fever: Preventing lead leakage for perovskite solar cells. Matter, 2022, 5, 1137-1161.	5.0	32
65	Synthesis and characterization of Li2Zn0.6Cu0.4Ti3O8 anode material via a sol-gel method. Electrochimica Acta, 2015, 167, 201-206.	2.6	31
66	Molecular design and photovoltaic performance of a novel thiocyanate-based layered organometal perovskite material. Synthetic Metals, 2016, 215, 56-63.	2.1	31
67	Stable Perovskite Solar Cells based on Hydrophobic Triphenylamine Holeâ€Transport Materials. Energy Technology, 2017, 5, 312-320.	1.8	31
68	Stability at Scale: Challenges of Module Interconnects for Perovskite Photovoltaics. ACS Energy Letters, 2018, 3, 2502-2503.	8.8	31
69	A Novel Spiro[acridineâ€9,9â€²â€fluorene] Derivatives Containing Phenanthroimidazole Moiety for Deepâ€Blue OLED Application. Chemistry - an Asian Journal, 2017, 12, 3069-3076.	1.7	30
70	Organic Single-Crystalline pâ€“n Heterojunctions for High-Performance Ambipolar Field-Effect Transistors and Broadband Photodetectors. ACS Applied Materials & Interfaces, 2018, 10, 42715-42722.	4.0	29
71	In Situ Synthesized 2D Covalent Organic Framework Nanosheets Induce Growth of Highâ€Quality Perovskite Film for Efficient and Stable Solar Cells. Advanced Functional Materials, 2022, 32, .	7.8	29
72	Titanylphthalocyanine as hole transporting material for perovskite solar cells. Journal of Energy Chemistry, 2015, 24, 756-761.	7.1	28

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73	Impact of 9â€(4â€methoxyphenyl) Carbazole and Benzodithiophene Cores on Performance and Stability for Perovskite Solar Cells Based on Dopantâ€Free Holeâ€Transporting Materials. Solar Rrl, 2019, 3, 1900202.	3.1	28
74	A trap-assisted ultrasensitive near-infrared organic photomultiple photodetector based on Y-type titanylphthalocyanine nanoparticles. Journal of Materials Chemistry C, 2016, 4, 5584-5592.	2.7	27
75	Transformation of Quasiâ€2D Perovskite into 3D Perovskite Using Formamidine Acetate Additive for Efficient Blue Lightâ€Emitting Diodes. Advanced Functional Materials, 2022, 32, 2105164.	7.8	26
76	Efficient, Stable, Dopantâ€Free Holeâ€Transport Material with a Triphenylamine Core for CH₃NH₃PbI₃ Perovskite Solar Cells. Energy Technology, 2017, 5, 1173-1178.	1.8	25
77	Room-temperature-processed fullerene single-crystalline nanoparticles for high-performance flexible perovskite photovoltaics. Journal of Materials Chemistry A, 2019, 7, 1509-1518.	5.2	25
78	Modification of ITO anodes with self-assembled monolayers for enhancing hole injection in OLEDs. Applied Physics Letters, 2019, 114, .	1.5	25
79	Boosting the performance and stability of perovskite solar cells with phthalocyanine-based dopant-free hole transporting materials through core metal and peripheral groups engineering. Organic Electronics, 2019, 64, 71-78.	1.4	24
80	Self-assembled monolayer-modified ITO for efficient organic light-emitting diodes: The impact of different self-assemble monolayers on interfacial and electroluminescent properties. Organic Electronics, 2018, 56, 89-95.	1.4	23
81	Mixing Matters: Nanoscale Heterogeneity and Stability in Metal Halide Perovskite Solar Cells. ACS Energy Letters, 2022, 7, 471-480.	8.8	23
82	Small molecular hole-transporting and emitting materials for hole-only green organic light-emitting devices. Dyes and Pigments, 2016, 131, 41-48.	2.0	22
83	Enhanced Charge Transport by Incorporating Formamidinium and Cesium Cations into Twoâ€Dimensional Perovskite Solar Cells. Angewandte Chemie, 2019, 131, 11863-11867.	1.6	22
84	Improvement in photovoltaic performance of perovskite solar cells by interface modification and co-sensitization with novel asymmetry 7-coumarinoxy-4-methyltetrasubstituted metallophthalocyanines. Synthetic Metals, 2016, 220, 187-193.	2.1	21
85	Efficient and Stable Large Bandgap MAPbBr₃ Perovskite Solar Cell Attaining an Open Circuit Voltage of 1.65 V. ACS Energy Letters, 2022, 7, 1112-1119.	8.8	21
86	Double-N doping: a new discovery about N-doped TiO₂applied in dye-sensitized solar cells. RSC Advances, 2014, 4, 16992-16998.	1.7	20
87	2,9,16,23-Tetrakis(7-coumarinoxy-4-methyl)- metallophthalocyanines -based hole transporting material for mixed-perovskite solar cells. Synthetic Metals, 2017, 226, 1-6.	2.1	20
88	Identifying high-performance and durable methylammonium-free lead halide perovskites <i>via</i> high-throughput synthesis and characterization. Energy and Environmental Science, 2021, 14, 6638-6654.	15.6	20
89	Dopantâ€Free Holeâ€Transport Material with a Tetraphenylethene Core for Efficient Perovskite Solar Cells. Energy Technology, 2017, 5, 1257-1264.	1.8	19
90	Application of phenonaphthazine derivatives as hole-transporting materials for perovskite solar cells. Journal of Energy Chemistry, 2016, 25, 702-708.	7.1	18

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91	Organic Singleâ€Crystalline Donorâ€"Acceptor Heterojunctions with Ambipolar Bandâ€Like Charge Transport for Photovoltaics. Advanced Materials Interfaces, 2018, 5, 1800336.	1.9	18
92	Zn²⁺-Doped Lead-Free CsMnCl₃ Nanocrystals Enable Efficient Red Emission with a High Photoluminescence Quantum Yield. Journal of Physical Chemistry Letters, 2022, 13, 4688-4694.	2.1	18
93	Synthesis and electrochemical properties of Li1.2Mn0.54Ni0.13Co0.13O2 cathode material for lithium-ion battery. Ionics, 2016, 22, 209-218.	1.2	17
94	Improving the Performance of Blue Polymer Light-Emitting Diodes Using a Hole Injection Layer with a High Work Function and Nanotexture. ACS Applied Materials & Interfaces, 2020, 12, 20750-20756.	4.0	17
95	Study on synthesis and properties of novel luminescent hole transporting materials based on N,Nâ€²-di(p-tolyl)-N,Nâ€²-diphenyl-1,1â€²-biphenyl-4,4â€²-diamine core. Dyes and Pigments, 2013, 97, 92-99.	2.0	16
96	Achieving highly efficient blue light-emitting polymers by incorporating a styrylarylene amine unit. Journal of Materials Chemistry C, 2018, 6, 12355-12363.	2.7	16
97	Inkjet-printed alloy-like cross-linked hole-transport layer for high-performance solution-processed green phosphorescent OLEDs. Journal of Materials Chemistry C, 2021, 9, 12712-12719.	2.7	16
98	Constructing Effective Hole Transport Channels in Crossâ€Linked Hole Transport Layer by Stacking Discotic Molecules for High Performance Deep Blue QLEDs. Advanced Science, 2022, 9, .	5.6	16
99	Novel photochromic and electrochromic diarylethenes bearing triphenylamine units. RSC Advances, 2014, 4, 16839-16848.	1.7	15
100	The effect of coadsorbent and solvent on the photovoltaic performance of 2,9,16,23-Tetrakis(7-coumarinoxy-4-methyl)-phthalocyaninatocopper-sensitized solar cells. Journal of Molecular Structure, 2016, 1107, 329-336.	1.8	15
101	Simple dopant-free hole-transporting materials with p -Ï€ conjugated structure for stable perovskite solar cells. Applied Surface Science, 2017, 416, 124-132.	3.1	15
102	Impact of peripheral groups on pyrimidine acceptor-based HLCT materials for efficient deep blue OLED devices. Journal of Materials Chemistry C, 2022, 10, 9953-9960.	2.7	15
103	A Novel <i>trans</i>â€1â€(9â€Anthryl)â€2â€phenylethene Derivative Containing a Phenanthroimidazole Unit for Application in Organic Lightâ€Emitting Diodes. Chemistry - an Asian Journal, 2018, 13, 81-88.	1.7	14
104	Electronic Coordination Effect of the Regulator on Perovskite Crystal Growth and Its High-Performance Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 19439-19446.	4.0	14
105	Effect of concomitant anti-solvent engineering on perovskite grain growth and its high efficiency solar cells. Science China Materials, 2021, 64, 267-276.	3.5	14
106	SMART Perovskite Growth: Enabling a Larger Range of Process Conditions. ACS Energy Letters, 2021, 6, 650-658.	8.8	14
107	Polymer Hole Transport Materials for Perovskite Solar Cells via Buchwaldâ€"Hartwig Amination. ACS Applied Polymer Materials, 2021, 3, 5578-5587.	2.0	14
108	Film-forming hole transporting materials for high brightness flexible organic light-emitting diodes. Dyes and Pigments, 2016, 125, 36-43.	2.0	13

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109	Polymer additive assisted crystallization of perovskite films for high-performance solar cells. Organic Electronics, 2021, 96, 106258.	1.4	13
110	The synthesis, molecular structure and photophysical properties of 2, 9, 16, 23-tetrakis (7-coumarinoxy-4-methyl)-phthalocyanine sensitizer. Journal of Molecular Structure, 2014, 1060, 17-23.	1.8	12
111	The Synthesis, Characterisation, Photophysical and Thermal Properties, and Photovoltaic Performance of 7-Coumarinoxy-4-Methyltetrasubstituted Metallophthalocyanines. Australian Journal of Chemistry, 2015, 68, 1025.	0.5	12
112	The modulation of opto-electronic properties of CH3NH3PbBr3 crystal. Journal of Materials Science: Materials in Electronics, 2017, 28, 11053-11058.	1.1	12
113	Simple 9,10-dihydrophenanthrene based hole-transporting materials for efficient perovskite solar cells. Chemical Engineering Journal, 2020, 402, 126298.	6.6	12
114	Two trans-1-(9-anthryl)-2-phenylethene derivatives as blue-green emitting materials for highly bright organic light-emitting diodes application. Organic Electronics, 2017, 50, 228-238.	1.4	11
115	Regulation of peripheral tert-butyl position: Approaching efficient blue OLEDs based on solution-processable hole-transporting materials. Organic Electronics, 2019, 71, 85-92.	1.4	11
116	Hole transport layer-free deep-blue OLEDs with outstanding colour purity and high efficiency. Journal of Materials Chemistry C, 2020, 8, 9184-9188.	2.7	11
117	Tunable White Light-Emitting Devices Based on Unilaminar High-Efficiency Zn²⁺-Doped Blue CsPbBr₃ Quantum Dots. Journal of Physical Chemistry Letters, 2021, 12, 8507-8512.	2.1	11
118	Bifunctional spiro-fluorene/heterocycle cored hole-transporting materials: Role of the heteroatom on the photovoltaic performance of perovskite solar cells. Chemical Engineering Journal, 2022, 431, 133371.	6.6	11
119	Recent Advances in Lead Chemisorption for Perovskite Solar Cells. Transactions of Tianjin University, 2022, 28, 341-357.	3.3	11
120	Alcoholâ€Soluble Electronâ€Transport Materials for Fully Solutionâ€Processed Green PhOLEDs. Chemistry - an Asian Journal, 2018, 13, 1335-1341.	1.7	10
121	A low-cost thiophene-based hole transport material for efficient and stable perovskite solar cells. Organic Electronics, 2019, 71, 194-198.	1.4	10
122	Superior photo-carrier diffusion dynamics in organic-inorganic hybrid perovskites revealed by spatiotemporal conductivity imaging. Nature Communications, 2021, 12, 5009.	5.8	10
123	Super Flexible Transparent Conducting Oxideâ€Free Organicâ€“Inorganic Hybrid Perovskite Solar Cells with 19.01% Efficiency (Active Areaâ€‰=â€‰1â€‰cm²). Solar Rrl, 2021, 5, 2100733.	3.1	10
124	Charging behavior of carbon black in a low-permittivity medium based on acidâ€“base charging theory. Journal of Materials Chemistry C, 2015, 3, 3980-3988.	2.7	9
125	The first transition metal phthalocyanines: sensitizing rubrene emission based on tripletâ€“triplet annihilation. Photochemical and Photobiological Sciences, 2017, 16, 1384-1390.	1.6	9
126	Hollow TiO2 spheres as mesoporous layer for better efficiency and stability of perovskite solar cells. Journal of Alloys and Compounds, 2021, 866, 158079.	2.8	9

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127	Hole-transporting material based on spirobifluorene unit with perfect amorphous and high stability for efficient OLEDs. Journal of Materials Science: Materials in Electronics, 2019, 30, 11440-11450.	1.1	8
128	Breakthrough: Phase-Pure 2D Perovskite Films. Joule, 2021, 5, 14-15.	11.7	8
129	Preparation of titanium dioxide nano-particles modified with poly (methyl methacrylate) and its electrorheological characteristics in Isopar L. Colloid and Polymer Science, 2015, 293, 473-479.	1.0	7
130	Studies on the charging behaviors of copper chromite black in nonpolar media with nonionic surfactants for electrophoretic displays. Journal of Materials Chemistry C, 2016, 4, 323-330.	2.7	7
131	Polymorph-induced photosensitivity change in titanylphthalocyanine revealed by the charge transfer integral. Nanophotonics, 2019, 8, 787-797.	2.9	7
132	Boosting the Stability of Perovskite Solar Cells through a Dopantâ€Free Tetraphenylbenzidineâ€Based Hole Transporting Material. ChemistrySelect, 2018, 3, 13032-13037.	0.7	6
133	Synthesis, Spectral Properties of Zinc Hexadecafluorophthalocyanine (ZnPcF₁₆) and Its Application in Organic Thin Film Transistors. Materials Transactions, 2017, 58, 103-106.	0.4	5
134	An analysis of carrier dynamics in methylammonium lead triiodide perovskite solar cells using cross correlation noise spectroscopy. Applied Physics Letters, 2020, 116, .	1.5	5
135	Mixed solvent atmosphere induces the surface termination state transition of perovskite to achieve matched energy level alignment. Chemical Engineering Journal, 2021, 424, 130508.	6.6	5
136	Synthesis of novel s-triazine/carbazole based bipolar molecules and their application in phosphorescent OLEDs. Journal of Materials Science: Materials in Electronics, 2015, 26, 6563-6571.	1.1	4
137	Studies on the dispersity of polymethacrylate-grafted carbon black in a non-aqueous medium: the influence of monomer structure. Journal of Materials Science: Materials in Electronics, 2016, 27, 2022-2030.	1.1	4
138	Studies on the Synthetic Process of 4,5-Dicyano Dimethyl Phthalate. Advanced Materials Research, 0, 1053, 252-256.	0.3	3
139	Multi-scale simulation studies on interaction between anionic surfactants and cations. AIP Advances, 2014, 4, .	0.6	3
140	Study on modifying the Li/MnO 2 battery by mixing with the carbon fluoride. Energy Storage, 2020, 2, e128.	2.3	3
141	Enhanced efficiency and stability of organic light-emitting diodes via binary self-assembled monolayers of aromatic and aliphatic compounds on indium tin oxide. Organic Electronics, 2020, 84, 105752.	1.4	3
142	The Promise of Perovskite Solar Cells. , 2022, , 388-404.		3
143	Nanoscale Photoexcited Carrier Dynamics in Perovskites. Journal of Physical Chemistry Letters, 2022, 13, 2388-2395.	2.1	3
144	Polymer Hole Transport Material Functional Group Tuning for Improved Perovskite Solar Cell Performance. ACS Applied Energy Materials, 2022, 5, 8601-8610.	2.5	3

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145	Preparation of titanium dioxide nanoparticles modified with methacrylate and their electrophoretic properties. Journal of Materials Science: Materials in Electronics, 2015, 26, 5263-5269.	1.1	2
146	Understanding Measurement Artifacts Causing Inherent Cation Gradients in Depth Profiles of Perovskite Photovoltaics with TOF-SIMS. , 2019, , .		2
147	Enhancing Charge Transport of 2D Perovskite Passivation Agent for Wideâ€Bandgap Perovskite Solar Cells Beyond 21%. Solar Rrl, 2020, 4, 2070065.	3.1	2
148	Blue emissive dimethylmethylene-bridged triphenylamine derivatives appending cross-linkable groups. Organic and Biomolecular Chemistry, 2020, 18, 3754-3760.	1.5	2
149	Linking Transient Voltage to Spatially-Resolved Luminescence Imaging to Understand Reliability of Perovskite Photovoltaics. , 2021, , .		2
150	Metastable Dion-Jacobson 2D structure enables efficient and stable perovskite solar cells. Science, 2021, , eabj2637.	6.0	2
151	Coherent interlayers expand perovskite opportunities. Joule, 2021, 5, 3076-3077.	11.7	2
152	Synthesis and photoconductivities of bisazo charge generation materials. Frontiers of Chemical Engineering in China, 2008, 2, 330-334.	0.6	1
153	Synthesis of a carbazole-substituted diphenylethylene hole transporting material and application in perovskite solar cells. IOP Conference Series: Materials Science and Engineering, 2019, 556, 012022.	0.3	1
154	Controllable and efficient hole-injection layers with molybdenum oxide units by solution-processed procedure for OLEDs. Organic Electronics, 2020, 85, 105868.	1.4	1
155	Study on Thermal Simulation of LiNi 0.5 Mn 1.5 O 4 /Li 4 Ti 5 O 12 Battery. Energy Technology, 2021, 9, 2000816.	1.8	1
156	Triazine-based OLEDs with simplified structure and high efficiency by solution-processed procedure. Journal of Materials Science: Materials in Electronics, 2020, 31, 19943-19949.	1.1	0
157	Substrate-Controlled Electronic Properties of Perovskite Layer in Lateral Heterojunction Configuration. , 2021, , .		0
158	Incorporation of 2D Perovskite Systems into 3D Perovskite Solar Cells. , 2022, , 81-114.		0