Jingjing Chang

List of Publications by Year
in descending order

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257 papers	9,660 citations	31949 53 h-index	62565 80 g-index
259 all docs	259 docs citations	259 times ranked	8923 citing authors

#	Article	IF	Citations
1	Double Side Interfacial Optimization for Lowâ€Temperature Stable CsPbI₂Br Perovskite Solar Cells with High Efficiency Beyond 16%. Energy and Environmental Materials, 2022, 5, 637-644.	7.3	27
2	Cs2TiI6: A potential lead-free all-inorganic perovskite material for ultrahigh-performance photovoltaic cells and alpha-particle detection. Nano Research, 2022, 15, 2697-2705.	5.8	22
3	Combining in-situ formed PbI2 passivation and secondary passivation for highly efficient and stable planar heterojunction perovskite solar cells. Organic Electronics, 2022, 100, 106361.	1.4	5
4	Reveal the Humidity Effect on the Phase Pure CsPbBr₃ Single Crystals Formation at Room Temperature and Its Application for Ultrahigh Sensitive Xâ€Ray Detector. Advanced Science, 2022, 9, e2103482.	5.6	41
5	Defects and doping engineering towards high performance lead-free or lead-less perovskite solar cells. Journal of Energy Chemistry, 2022, 68, 420-438.	7.1	27
6	Dithiol surface treatment towards improved charge transfer dynamic and reduced lead leakage in lead halide perovskite solar cells. EcoMat, 2022, 4, .	6.8	23
7	<i>In situ</i>, seed-free formation of a Ruddlesdenâ€“Popper perovskite Cs₂PbI₂Cl₂ nanowires/PbI₂ heterojunction for a high-responsivity, self-powered photodetector. Journal of Materials Chemistry C, 2022, 10, 3538-3546.	2.7	2
8	Promising applications of wide bandgap inorganic perovskites in underwater photovoltaic cells. Solar Energy, 2022, 233, 489-493.	2.9	15
9	Surface reconstruction strategy improves the all-inorganic CsPbIBr2 based perovskite solar cells and photodetectors performance. Nano Energy, 2022, 94, 106960.	8.2	35
10	Interfacial transport modulation by intrinsic potential difference of janus TMDs based on CsPbI3/J-TMDs heterojunctions. IScience, 2022, 25, 103872.	1.9	6
11	Highly transparent flexible artificial nociceptor based on forming-free ITO memristor. Applied Physics Letters, 2022, 120, .	1.5	16
12	Intermediate Phaseâ€Assisted Sequential Deposition Toward 15.24%â€Efficiency Carbonâ€Electrode Cspbi₂br Perovskite Solar Cells. Solar Rrl, 2022, 6, .	3.1	13
13	Synchronous Passivation of Defects with Low Formation Energies via Terdentate Anchoring Enabling High Performance Perovskite Solar Cells with Efficiency over 24%. Advanced Functional Materials, 2022, 32, .	7.8	52
14	Reveal the large open-circuit voltage deficit of all-inorganic CsPbIBr₂ perovskite solar cells. Chinese Physics B, 2022, 31, 038804.	0.7	1
15	Unveiling the Relationship between Passivation Groups and the Structural and Optoelectronic Performances of Perovskite Surfaces and Devices. Journal of Physical Chemistry C, 2022, 126, 597-604.	1.5	3
16	Low-Temperature Solution-Processed Cu₂AgBiI₆ Films for High Performance Photovoltaics and Photodetectors. ACS Applied Materials & Interfaces, 2022, 14, 18498-18505.	4.0	17
17	Recent progress on the effects of impurities and defects on the properties of Ga₂O₃. Journal of Materials Chemistry C, 2022, 10, 13395-13436.	2.7	34
18	Recent Progress of Electrode Materials for Flexible Perovskite Solar Cells. Nano-Micro Letters, 2022, 14, 117.	14.4	68

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19	Flexible perovskite solar cells: Material selection and structure design. Applied Physics Reviews, 2022, 9, .	5.5	19
20	Charge-selective-contact-dependent halide phase segregation in CsPbIBr2 perovskite solar cells and its correlation to device degradation. Applied Surface Science, 2022, 595, 153544.	3.1	4
21	Modulating crystal growth of formamidiniumâ€“caesium perovskites for over 200 cm2 photovoltaic sub-modules. Nature Energy, 2022, 7, 528-536.	19.8	89
22	Ultra-high temperature tolerant flexible transparent electrode with embedded silver nanowires bundle micromesh for electrical heater. Npj Flexible Electronics, 2022, 6, .	5.1	21
23	Thin-Film Transistors from Electrochemically Exfoliated In2Se3 Nanosheets. Micromachines, 2022, 13, 956.	1.4	7
24	Band alignments tuned by spontaneous polarization in two-dimensional MoS2/GaN van der Waals heterostructures. Physica E: Low-Dimensional Systems and Nanostructures, 2022, 143, 115360.	1.3	10
25	Hf0.5Zr0.5O2-based ferroelectric memristor with multilevel storage potential and artificial synaptic plasticity. Science China Materials, 2021, 64, 727-738.	3.5	51
26	Recent advances in resistive random access memory based on lead halide perovskite. InformaÄnÃ-MateriÃ¡ly, 2021, 3, 293-315.	8.5	70
27	Enhanced efficiency and stability of planar perovskite solar cells using SnO2:InCl3 electron transport layer through synergetic doping and passivation approaches. Chemical Engineering Journal, 2021, 407, 127997.	6.6	65
28	Reducing the acceptor levels of p-type Î²-Ga2O3 by (metal, N) co-doping approach. Journal of Alloys and Compounds, 2021, 854, 157247.	2.8	18
29	Multilevel oxygen-vacancy conductive filaments in Î²-Ga₂O₃ based resistive random access memory. Physical Chemistry Chemical Physics, 2021, 23, 5975-5983.	1.3	21
30	Suppressing Halide Phase Segregation in CsPbIBr₂ Films by Polymer Modification for Hysteresis-Less All-Inorganic Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 2868-2878.	4.0	34
31	Carbon-based, all-inorganic, lead-free Ag2BiI5 rudorffite solar cells with high photovoltages. Solid-State Electronics, 2021, 176, 107950.	0.8	11
32	Synchronous Interface Modification and Bulk Passivation via a One-Step Cesium Bromide Diffusion Process for Highly Efficient Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 10110-10119.	4.0	15
33	Back Cover Image. InformaÄnÃ-MateriÃ¡ly, 2021, 3, .	8.5	0
34	Two-Dimensional (C₆H₅C₂H₄NH₃)₂PbI₄ Perovskite Single Crystal Resistive Switching Memory Devices. IEEE Electron Device Letters, 2021, 42, 327-330.	2.2	12
35	Slow halide exchange in CsPbIBr2 films for high-efficiency, carbon-based, all-inorganic perovskite solar cells. Science China Materials, 2021, 64, 2107-2117.	3.5	10
36	Improved Doping and Optoelectronic Properties of Zn-Doped Cspbbr₃ Perovskite through Mn Codoping Approach. Journal of Physical Chemistry Letters, 2021, 12, 3393-3400.	2.1	39

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37	Synergetic surface charge transfer doping and passivation toward high efficient and stable perovskite solar cells. IScience, 2021, 24, 102276.	1.9	30
38	Performance Improvement of All-Inorganic, Hole-Transport-Layer-Free Perovskite Solar Cells Through Dipoles-Adjustion by Polyethyleneimine Incorporating. IEEE Electron Device Letters, 2021, 42, 537-540.	2.2	3
39	An Exploration of Allâ€Inorganic Perovskite/Gallium Arsenide Tandem Solar Cells. Solar Rrl, 2021, 5, 2100121.	3.1	19
40	Special issue on Perovskite materials. Journal of Materials Science: Materials in Electronics, 2021, 32, 12745-12745.	1.1	0
41	Lead halideâ€“templated crystallization of methylamine-free perovskite for efficient photovoltaic modules. Science, 2021, 372, 1327-1332.	6.0	351
42	Simple and Convenient Interface Modification by Nanosized Diamond for Carbon Based All-Inorganic CsPbIBr₂ Solar Cells. ACS Applied Energy Materials, 2021, 4, 5661-5667.	2.5	4
43	Annealingâ€Free, Highâ€Performance Perovskite Solar Cells by Controlling Crystallization via Guanidinium Cation Doping. Solar Rrl, 2021, 5, 2100097.	3.1	13
44	Enhanced Efficiency and Stability of Allâ€Inorganic CsPbI₂Br Perovskite Solar Cells by Organic and Ionic Mixed Passivation. Advanced Science, 2021, 8, e2101367.	5.6	66
45	Synergistic Interface Layer Optimization and Surface Passivation with Fluorocarbon Molecules toward Efficient and Stable Inverted Planar Perovskite Solar Cells. Research, 2021, 2021, 9836752.	2.8	27
46	Influence of Oxygen on Î²-Ga₂O₃ Films Deposited on Sapphire Substrates by MOCVD. ECS Journal of Solid State Science and Technology, 2021, 10, 075009.	0.9	4
47	Secondary crystallization strategy for highly efficient inorganic CsPbI2Br perovskite solar cells with efficiency approaching 17%. Journal of Energy Chemistry, 2021, 63, 558-565.	7.1	22
48	Sandwiched electrode buffer for efficient and stable perovskite solar cells with dual back surface fields. Joule, 2021, 5, 2148-2163.	11.7	63
49	Reducing the interfacial energy loss via oxide/perovskite heterojunction engineering for high efficient and stable perovskite solar cells. Chemical Engineering Journal, 2021, 417, 129184.	6.6	27
50	Solution processed In2O3/IGO heterojunction thin film transistors with high carrier concentration. Ceramics International, 2021, 47, 35029-35036.	2.3	17
51	Aqueous solution-deposited aluminum-gallium-oxide alloy gate dielectrics for low voltage fully oxide thin film transistors. Applied Physics Letters, 2021, 119, .	1.5	8
52	Tuning the intrinsic electric field of Janus-TMDs to realize high-performance Î²-Ga2O3 device based on Î²-Ga2O3/Janus-TMD heterostructures. Materials Today Physics, 2021, 21, 100549.	2.9	7
53	A new all-inorganic vacancy-ordered double perovskite Cs2CrI6 for high-performance photovoltaic cells and alpha-particle detection in space environment. Materials Today Physics, 2021, 20, 100446.	2.9	18
54	Recent progress of inorganic hole transport materials for efficient and stable perovskite solar cells. Nano Select, 2021, 2, 1055-1080.	1.9	32

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55	97.3% Pb-Reduced CsPb_{1â€“<i>x</i>}Ge_{<i>x</i>}Br₃ Perovskite with Enhanced Phase Stability and Photovoltaic Performance through Surface Cu Doping. Journal of Physical Chemistry Letters, 2021, 12, 1098-1103.	2.1	18
56	Aqueous Solution Derived Amorphous Indium Doped Gallium Oxide Thin-Film Transistors. IEEE Journal of the Electron Devices Society, 2021, 9, 373-377.	1.2	12
57	Generic water-based spray-assisted growth for scalable high-efficiency carbon-electrode all-inorganic perovskite solar cells. IScience, 2021, 24, 103365.	1.9	10
58	High-Purity, Thick CsPbCl₃ Films toward Selective Ultraviolet-Harvesting Visibly Transparent Photovoltaics. ACS Applied Energy Materials, 2021, 4, 12121-12127.	2.5	8
59	Impacts of the Electron Transport Layer Surface Reconstruction on the Buried Interface in Perovskite Optoelectronic Devices. Journal of Physical Chemistry Letters, 2021, 12, 11834-11842.	2.1	2
60	Polyelectrolyteâ€Doped SnO₂ as a Tunable Electron Transport Layer for Highâ€Efficiency and Stable Perovskite Solar Cells. Solar Rrl, 2020, 4, 1900336.	3.1	56
61	Improve the oxide/perovskite heterojunction contact for low temperature high efficiency and stable all-inorganic CsPbI2Br perovskite solar cells. Nano Energy, 2020, 67, 104241.	8.2	97
62	Recycling of FTO/TiO₂ Substrates: Route toward Simultaneously High-Performance and Cost-Efficient Carbon-Based, All-Inorganic CsPbIBr₂ Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 4549-4557.	4.0	38
63	Enhancing Perovskite Solar Cell Performance through Surface Engineering of Metal Oxide Electron-Transporting Layer. Coatings, 2020, 10, 46.	1.2	5
64	Spontaneously Micropatterned Silk/Gelatin Scaffolds with Topographical, Biological, and Electrical Stimuli for Neuronal Regulation. ACS Biomaterials Science and Engineering, 2020, 6, 1144-1153.	2.6	24
65	Sacrificial additive-assisted film growth endows self-powered CsPbBr₃ photodetectors with ultra-low dark current and high sensitivity. Journal of Materials Chemistry C, 2020, 8, 209-218.	2.7	28
66	Flux-mediated growth strategy enables low-temperature fabrication of high-efficiency all-inorganic CsPbIBr2 perovskite solar cells. Electrochimica Acta, 2020, 330, 135325.	2.6	29
67	Boosting performance of perovskite solar cells with Graphene quantum dots decorated SnO2 electron transport layers. Applied Surface Science, 2020, 507, 145099.	3.1	66
68	Tailored interfacial crystal facets for efficient CH3NH3PbI3 perovskite solar cells. Organic Electronics, 2020, 78, 105598.	1.4	5
69	Dipole-templated homogeneous grain growth of CsPbIBr2 films for efficient self-powered, all-inorganic photodetectors. Solar Energy, 2020, 209, 371-378.	2.9	10
70	The crystal anisotropy effect of MAPbI3 perovskite on optoelectronic devices. Materials Today Energy, 2020, 17, 100481.	2.5	26
71	Ultrawide Band Gap Oxide Semiconductor-Triggered Performance Improvement of Perovskite Solar Cells via the Novel Ga₂O₃/SnO₂ Composite Electron-Transporting Bilayer. ACS Applied Materials & Interfaces, 2020, 12, 54703-54710.	4.0	26
72	N-Substituted Phenothiazines as Environmentally Friendly Hole-Transporting Materials for Low-Cost and Highly Stable Halide Perovskite Solar Cells. ACS Omega, 2020, 5, 23334-23342.	1.6	9

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73	High-Performance, Vacuum-Free, and Self-Powered CsPbIBr₂ Photodetectors Boosted by Ultra-Wide-Bandgap Ga₂O₃ Interlayer. IEEE Electron Device Letters, 2020, 41, 1532-1535.	2.2	17
74	Allâ€Inorganic CsPbI<i>_x</i>Br_{3âˆ'}<i>_x</i> Perovskite Solar Cells: Crystal Anisotropy Effect. Advanced Theory and Simulations, 2020, 3, 2000055.	1.3	19
75	Improved Interface Contact for Highly Stable All-Inorganic CsPbI₂Br Planar Perovskite Solar Cells. ACS Applied Energy Materials, 2020, 3, 5173-5181.	2.5	16
76	Contact barriers modulation of graphene/Î²-Ga2O3 interface for high-performance Ga2O3 devices. Applied Surface Science, 2020, 527, 146740.	3.1	24
77	Metal oxide heterojunctions for high performance solution grown oxide thin film transistors. Applied Surface Science, 2020, 527, 146774.	3.1	26
78	Suppressing intrinsic self-doping of CsPbIBr₂ films for high-performance all-inorganic, carbon-based perovskite solar cells. Sustainable Energy and Fuels, 2020, 4, 4506-4515.	2.5	25
79	Enhanced efficiency and stability of planar perovskite solar cells by introducing amino acid to SnO2/perovskite interface. Journal of Power Sources, 2020, 455, 227974.	4.0	90
80	Dual-Phase CsPbCl₃â€“Cs₄PbCl₆ Perovskite Films for Self-Powered, Visible-Blind UV Photodetectors with Fast Response. ACS Applied Materials & Interfaces, 2020, 12, 32961-32969.	4.0	114
81	Recent progress of twoâ€dimensional lead halide perovskite single crystals: Crystal growth, physical properties, and device applications. EcoMat, 2020, 2, e12036.	6.8	80
82	Deepâ€Ultraviolet Photoactivationâ€Assisted Contact Engineering Toward Highâ€Efficiency and Stable Allâ€Inorganic CsPbI₂Br Perovskite Solar Cells. Solar Rrl, 2020, 4, 2000001.	3.1	29
83	Improving electron extraction ability and suppressing recombination of planar perovskite solar cells with the triple cascade electron transporting layer. Solar Energy Materials and Solar Cells, 2020, 208, 110419.	3.0	5
84	Surface functionalization modulates the structural and optoelectronic properties of two-dimensional Ga2O3. Materials Today Physics, 2020, 12, 100192.	2.9	24
85	Toward High-Performance Electron/Hole-Transporting-Layer-Free, Self-Powered CsPbIBr₂ Photodetectors via Interfacial Engineering. ACS Applied Materials & Interfaces, 2020, 12, 6607-6614.	4.0	25
86	High Performance Planar Structure Perovskite Solar Cells Using a Solvent Dripping Treatment on Hole Transporting Layer. Coatings, 2020, 10, 127.	1.2	9
87	NiO/Perovskite Heterojunction Contact Engineering for Highly Efficient and Stable Perovskite Solar Cells. Advanced Science, 2020, 7, 1903044.	5.6	146
88	Interfacial Voids Trigger Carbon-Based, All-Inorganic CsPbIBr2 Perovskite Solar Cells with Photovoltage Exceeding 1.33Â V. Nano-Micro Letters, 2020, 12, 87.	14.4	84
89	Combustion-processed NiO/ALD TiO2 bilayer as a novel low-temperature electron transporting material for efficient all-inorganic CsPbIBr2 solar cell. Solar Energy, 2020, 203, 10-18.	2.9	12
90	Highly efficient bifacial CsPbIBr₂ solar cells with a TeO₂/Ag transparent electrode and unsymmetrical carrier transport behavior. Dalton Transactions, 2020, 49, 6012-6019.	1.6	11

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91	Modulation of the transport properties of metal/MoS2 interfaces using BN-graphene lateral tunneling layers. Nanotechnology, 2020, 31, 485204.	1.3	2
92	Comparison of Ga2O3 Films Grown on m- and r-plane Sapphire Substrates by MOCVD. ECS Journal of Solid State Science and Technology, 2020, 9, 125008.	0.9	1
93	Transparent Ultrathin Metal Electrode with Microcavity Configuration for Highly Efficient TCO-Free Perovskite Solar Cells. Materials, 2020, 13, 2328.	1.3	1
94	Optimize the Oxide/Perovskite Heterojunction Contact for Low Temperature High Efficiency and Stable All-inorganic CsPbI2Br Perovskite Solar Cells. , 2020, , .		0
95	Low temperature combustion synthesized indium oxide electron transport layer for high performance and stable perovskite solar cells. Journal of Power Sources, 2019, 438, 226981.	4.0	22
96	Highly Efficient and Stable Planar Perovskite Solar Cells with Modulated Diffusion Passivation Toward High Power Conversion Efficiency and Ultrahigh Fill Factor. Solar Rrl, 2019, 3, 1900293.	3.1	87
97	A Modulated Doubleâ€Passivation Strategy Toward Highly Efficient Perovskite Solar Cells with Efficiency Over 21%. Solar Rrl, 2019, 3, 1900291.	3.1	12
98	Understanding the Potential of 2D Ga 2 O 3 in Flexible Optoelectronic Devices: Impact of Uniaxial Strain and Electric Field. Advanced Theory and Simulations, 2019, 2, 1900106.	1.3	22
99	A 800â€‰V Î²â€Ga₂O₃ Metalâ€“Oxideâ€“Semiconductor Fieldâ€Effect Transistor with Highâ€Power Figure of Merit of Over 86.3â€‰MWâ€‰cm^{âˆ’2}. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1900421.	0.8	29
100	Efficient Ni/Au Mesh Transparent Electrodes for ITO-Free Planar Perovskite Solar Cells. Nanomaterials, 2019, 9, 932.	1.9	23
101	Beneficial Role of Organolead Halide Perovskite CH₃NH₃PbI₃/SnO₂ Interface: Theoretical and Experimental Study. Advanced Materials Interfaces, 2019, 6, 1900400.	1.9	22
102	Theoretical Analysis of Twoâ€Terminal and Fourâ€Terminal Perovskite/Copper Indium Gallium Selenide Tandem Solar Cells. Solar Rrl, 2019, 3, 1900303.	3.1	38
103	Achieving high performance and stable inverted planar perovskite solar cells using lithium and cobalt co-doped nickel oxide as hole transport layers. Journal of Materials Chemistry C, 2019, 7, 9270-9277.	2.7	37
104	Interfacial TiO2 atomic layer deposition triggers simultaneous crystallization control and band alignment for efficient CsPbIBr2 perovskite solar cell. Organic Electronics, 2019, 74, 103-109.	1.4	27
105	A Review on Energy Bandâ€Gap Engineering for Perovskite Photovoltaics. Solar Rrl, 2019, 3, 1900304.	3.1	87
106	Synthesis and Characterization of Oxygen-Embedded Quinoidal Pentacene and Nonacene. Journal of the American Chemical Society, 2019, 141, 2169-2176.	6.6	57
107	Optimizing the Performance of CsPbI3-Based Perovskite Solar Cells via Doping a ZnO Electron Transport Layer Coupled with Interface Engineering. Nano-Micro Letters, 2019, 11, 91.	14.4	54
108	Light Processing Enables Efficient Carbon-Based, All-Inorganic Planar CsPbIBr₂ Solar Cells with High Photovoltages. ACS Applied Materials & Interfaces, 2019, 11, 2997-3005.	4.0	98

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109	Reducing Defects in Perovskite Solar Cells with White Light Illumination-Assisted Synthesis. ACS Energy Letters, 2019, 4, 2821-2829.	8.8	29
110	Pressureâ€Dependent Mechanical and Thermal Properties of Leadâ€Free Halide Double Perovskite Cs₂AgBâ€³X₆ (Bâ€³â•In, Bi; Xâ•Cl, Br, I). Advanced Theory and Simulations, 2019, 2, 1900164.	1.3	15
111	Mechanical and thermodynamic properties of two-dimensional monoclinic Ga2O3. Materials and Design, 2019, 184, 108197.	3.3	32
112	Low temperature ZnO/TiOx electron-transport layer processed from aqueous solution for highly efficient and stable planar perovskite solar cells. Materials Today Energy, 2019, 14, 100351.	2.5	14
113	Controllable Self-Assembly of PTCDI-C8 for High Mobility Low-Dimensional Organic Field-Effect Transistors. ACS Applied Electronic Materials, 2019, 1, 2030-2036.	2.0	16
114	Numerical Simulation of Planar Heterojunction Perovskite Solar Cells Based on SnO₂ Electron Transport Layer. ACS Applied Energy Materials, 2019, 2, 4504-4512.	2.5	83
115	Benign Pinholes in CsPbIBr₂ Absorber Film Enable Efficient Carbon-Based, All-Inorganic Perovskite Solar Cells. ACS Applied Energy Materials, 2019, 2, 5254-5262.	2.5	37
116	Efficient NiO<i>x</i> Hole Transporting Layer Obtained by the Oxidation of Metal Nickel Film for Perovskite Solar Cells. ACS Applied Energy Materials, 2019, 2, 4700-4707.	2.5	37
117	Efficient planar perovskite solar cells with low-temperature atomic layer deposited TiO2 electron transport layer and interfacial modifier. Solar Energy, 2019, 188, 239-246.	2.9	24
118	An efficient TeO₂/Ag transparent top electrode for 20%-efficiency bifacial perovskite solar cells with a bifaciality factor exceeding 80%. Journal of Materials Chemistry A, 2019, 7, 15156-15163.	5.2	37
119	Intermediate Phase Halide Exchange Strategy toward a High-Quality, Thick CsPbBr₃ Film for Optoelectronic Applications. ACS Applied Materials & Interfaces, 2019, 11, 22543-22549.	4.0	34
120	Disappeared deep charge-states transition levels in the p-type intrinsic CsSnCl3 perovskite. Applied Physics Letters, 2019, 114, .	1.5	26
121	Simultaneously enhanced performance and stability of inverted perovskite solar cells via a rational design of hole transport layer. Organic Electronics, 2019, 73, 69-75.	1.4	9
122	Performance enhancement of perovskite solar cells <i>via</i> material quality improvement assisted by MAI/IPA solution post-treatment. Dalton Transactions, 2019, 48, 5292-5298.	1.6	8
123	Theoretical Studies of Electronic and Optical Behaviors of All-Inorganic CsPbI₃ and Two-Dimensional MS₂ (M = Mo, W) Heterostructures. Journal of Physical Chemistry C, 2019, 123, 7158-7165.	1.5	21
124	Band Alignment Engineering Towards High Efficiency Carbonâ€Based Inorganic Planar CsPbIBr₂ Perovskite Solar Cells. ChemSusChem, 2019, 12, 2318-2325.	3.6	110
125	Unusual properties and potential applications of strain BN-MS2 (Mâ€‰=â€‰Mo, W) heterostructures. Scientific Reports, 2019, 9, 3518.	1.6	14
126	Phenothiazine-Based Hole-Transporting Materials toward Eco-friendly Perovskite Solar Cells. ACS Applied Energy Materials, 2019, 2, 3021-3027.	2.5	49

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127	Enhancing material quality and device performance of perovskite solar cells via a facile regrowth way assisted by the DMF/Chlorobenzene mixed solution. Organic Electronics, 2019, 70, 300-305.	1.4	11
128	Interface engineering of low temperature processed all-inorganic CsPbI2Br perovskite solar cells toward PCE exceeding 14%. Nano Energy, 2019, 60, 583-590.	8.2	135
129	Lowâ€Temperature Solutionâ€Processed ZnO Electron Transport Layer for Highly Efficient and Stable Planar Perovskite Solar Cells with Efficiency Over 20%. Solar Rrl, 2019, 3, 1900096.	3.1	66
130	Potential Applications of Halide Double Perovskite Cs₂AgInX₆ (X = Cl, Br) in Flexible Optoelectronics: Unusual Effects of Uniaxial Strains. Journal of Physical Chemistry Letters, 2019, 10, 1120-1125.	2.1	44
131	A Facile Way to Improve the Performance of Perovskite Solar Cells by Toluene and Diethyl Ether Mixed Anti-Solvent Engineering. Coatings, 2019, 9, 766.	1.2	11
132	A Review on Energy Bandâ€Gap Engineering for Perovskite Photovoltaics. Solar Rrl, 2019, 3, 1970116.	3.1	36
133	Understanding the transport and contact properties of metal/BN-MoS2 interfaces to realize high performance MoS2 FETs. Journal of Alloys and Compounds, 2019, 771, 1052-1061.	2.8	10
134	Acenaphthylene-imide based small molecules/TiO2 bilayer as electron-transporting layer for solution-processing efficient perovskite solar cells. Science China Materials, 2019, 62, 497-507.	3.5	17
135	Investigation of self-doping in perovskites with vacancy defects based on first principles. Chinese Optics, 2019, 12, 1048-1056.	0.2	0
136	Research progress of printed perovskite solar cells. Chinese Optics, 2019, 12, 1015-1027.	0.2	0
137	Device simulation of inverted CH3NH3PbI3â^’xClx perovskite solar cells based on PCBM electron transport layer and NiO hole transport layer. Solar Energy, 2018, 169, 11-18.	2.9	92
138	Room temperature ferroelectricity of hybrid organicâ€“inorganic perovskites with mixed iodine and bromine. Journal of Materials Chemistry A, 2018, 6, 9665-9676.	5.2	26
139	A non-equilibrium Ti⁴⁺doping strategy for an efficient hematite electron transport layer in perovskite solar cells. Dalton Transactions, 2018, 47, 6404-6411.	1.6	9
140	Simultaneouly enhanced durability and performance by employing dopamine copolymerized PEDOT with high work function and water-proofness for inverted perovskite solar cells. Journal of Materials Chemistry C, 2018, 6, 2311-2318.	2.7	28
141	Solution-processed high performance organic thin film transistors enabled by roll-to-roll slot die coating technique. Organic Electronics, 2018, 54, 80-88.	1.4	43
142	Elucidating the Roles of TiCl₄ and PCBM Fullerene Treatment on TiO₂ Electron Transporting Layer for Highly Efficient Planar Perovskite Solar Cells. Journal of Physical Chemistry C, 2018, 122, 1044-1053.	1.5	57
143	Enhanced planar perovskite solar cell efficiency and stability using a perovskite/PCBM heterojunction formed in one step. Nanoscale, 2018, 10, 3053-3059.	2.8	80
144	Highâ€Performance Planar Perovskite Solar Cells Using Low Temperature, Solutionâ€“Combustionâ€Based Nickel Oxide Hole Transporting Layer with Efficiency Exceeding 20%. Advanced Energy Materials, 2018, 8, 1703432.	10.2	279

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145	Efficient Bifacial Semitransparent Perovskite Solar Cells Using Ag/V₂O₅ as Transparent Anodes. ACS Applied Materials & Interfaces, 2018, 10, 12731-12739.	4.0	46
146	Investigation on the structural, morphological, electronic and photovoltaic properties of a perovskite thin film by introducing lithium halide. RSC Advances, 2018, 8, 11455-11461.	1.7	4
147	Simulation study towards high performance transparent-conductive-oxide free perovskite solar cells using metal microcavity and optical coupling layer. IEEE Photonics Journal, 2018, , 1-1.	1.0	6
148	Effects of Interfacial Passivation on the Electrical Performance, Stability, and Contact Properties of Solution Process Based ZnO Thin Film Transistors. Materials, 2018, 11, 1761.	1.3	18
149	Device Simulation of Organicâ€"Inorganic Halide Perovskite/Crystalline Silicon Four-Terminal Tandem Solar Cell With Various Antireflection Materials. IEEE Journal of Photovoltaics, 2018, 8, 1685-1691.	1.5	30
150	Unusual Electronic and Optical Properties of Two-Dimensional Ga₂O₃ Predicted by Density Functional Theory. Journal of Physical Chemistry C, 2018, 122, 24592-24599.	1.5	58
151	Improving Electron Extraction Ability and Device Stability of Perovskite Solar Cells Using a Compatible PCBM/AZO Electron Transporting Bilayer. Nanomaterials, 2018, 8, 720.	1.9	34
152	Intermolecular Exchange Boosts Efficiency of Airâ€Stable, Carbonâ€Based Allâ€Inorganic Planar CsPbIBr₂ Perovskite Solar Cells to Over 9%. Advanced Energy Materials, 2018, 8, 1802080.	10.2	215
153	Efficient Semitransparent Perovskite Solar Cells Using a Transparent Silver Electrode and Four-Terminal Perovskite/Silicon Tandem Device Exploration. Journal of Nanomaterials, 2018, 2018, 1-8.	1.5	7
154	Theoretical and Experimental Investigation of Mixed Pbâ€"In Halide Perovskites. Journal of Physical Chemistry C, 2018, 122, 15945-15953.	1.5	19
155	Inverted Organic Solar Cells with Low-Temperature Al-Doped-ZnO Electron Transport Layer Processed from Aqueous Solution. Polymers, 2018, 10, 127.	2.0	23
156	Enhanced Planar Perovskite Solar Cell Performance via Contact Passivation of TiO₂/Perovskite Interface with NaCl Doping Approach. ACS Applied Energy Materials, 2018, 1, 3826-3834.	2.5	68
157	Highly efficient perovskite solar cells based on a dopant-free conjugated DPP polymer hole transport layer: influence of solvent vapor annealing. Sustainable Energy and Fuels, 2018, 2, 2154-2159.	2.5	24
158	Interface engineering of TiO2/perovskite interface via fullerene derivatives for high performance planar perovskite solar cells. Organic Electronics, 2018, 62, 459-467.	1.4	32
159	Alleviating hysteresis and improving efficiency of MA1â^'yFAyPbI3â^'xBrx perovskite solar cells by controlling the halide composition. Journal of Materials Science, 2018, 53, 16500-16510.	1.7	10
160	Aged Precursor Solution toward Low-Temperature Fabrication of Efficient Carbon-Based All-Inorganic Planar CsPbIBr₂ Perovskite Solar Cells. ACS Applied Energy Materials, 2018, 1, 4991-4997.	2.5	83
161	Performance Enhancement of Planar Heterojunction Perovskite Solar Cells through Tuning the Doping Properties of Hole-Transporting Materials. ACS Omega, 2017, 2, 326-336.	1.6	72
162	Effect of ultraviolet absorptivity and waterproofness of poly(3,4-ethylenedioxythiophene) with extremely weak acidity, high conductivity on enhanced stability of perovskite solar cells. Journal of Power Sources, 2017, 358, 29-38.	4.0	30

#	Article	IF	Citations
163	Enhanced Performance and Stability of Polymer Solar Cells by In Situ Formed AlO_{<i>x</i>} Passivation and Doping. Journal of Physical Chemistry C, 2017, 121, 10275-10281.	1.5	12
164	Efficient bifacial semitransparent perovskite solar cells with silver thin film electrode. Solar Energy Materials and Solar Cells, 2017, 170, 278-286.	3.0	55
165	Enhanced efficiency of planar perovskite solar cells via a two-step deposition using DMF as an additive to optimize the crystal growth behavior. Journal of Materials Chemistry A, 2017, 5, 13032-13038.	5.2	82
166	Experimental study and simulation analysis on friction behavior of a mechanical surface sliding on hard particles. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2017, 231, 1371-1379.	1.0	7
167	Improving the efficiency and stability of inverted perovskite solar cells with dopamine-copolymerized PEDOT:PSS as a hole extraction layer. Journal of Materials Chemistry A, 2017, 5, 13817-13822.	5.2	86
168	Intermediate Phase Intermolecular Exchange Triggered Defect Elimination in CH3NH3PbI3 toward Room-Temperature Fabrication of Efficient Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 40378-40385.	4.0	14
169	High-Performance Simple-Structured Planar Heterojunction Perovskite Solar Cells Achieved by Precursor Optimization. ACS Omega, 2017, 2, 6250-6258.	1.6	19
170	Enhanced planar heterojunction perovskite solar cell performance and stability using PDDA polyelectrolyte capping agent. Solar Energy Materials and Solar Cells, 2017, 172, 133-139.	3.0	22
171	Investigation of Fe²⁺-incorporating organicâ€“inorganic hybrid perovskites from first principles and experiments. RSC Advances, 2017, 7, 54586-54593.	1.7	22
172	High performance transient organic solar cells on biodegradable polyvinyl alcohol composite substrates. RSC Advances, 2017, 7, 52930-52937.	1.7	22
173	Effects of Annealing Conditions on Mixed Lead Halide Perovskite Solar Cells and Their Thermal Stability Investigation. Materials, 2017, 10, 837.	1.3	30
174	Low Temperature Aqueous Solution-Processed ZnO and Polyethylenimine Ethoxylated Cathode Buffer Bilayer for High Performance Flexible Inverted Organic Solar Cells. Energies, 2017, 10, 494.	1.6	9
175	Efficient Inverted ITO-Free Organic Solar Cells Based on Transparent Silver Electrode with Aqueous Solution-Processed ZnO Interlayer. International Journal of Photoenergy, 2017, 2017, 1-6.	1.4	0
176	A PCBM-Modified TiO₂ Blocking Layer towards Efficient Perovskite Solar Cells. International Journal of Photoenergy, 2017, 2017, 1-9.	1.4	20
177	Stable Inverted Low-Bandgap Polymer Solar Cells with Aqueous Solution Processed Low-Temperature ZnO Buffer Layers. International Journal of Photoenergy, 2016, 2016, 1-7.	1.4	2
178	Zâ€Shaped Pentalenoâ€Acene Dimers with High Stability and Small Band Gap. Angewandte Chemie - International Edition, 2016, 55, 2693-2696.	7.2	59
179	Efficient flexible inverted small-bandgap organic solar cells with low-temperature zinc oxide interlayer. Japanese Journal of Applied Physics, 2016, 55, 122302.	0.8	6
180	Enhancing the planar heterojunction perovskite solar cell performance through tuning the precursor ratio. Journal of Materials Chemistry A, 2016, 4, 7943-7949.	5.2	86

#	Article	IF	Citations
181	High-Mobility Ambipolar Organic Thin-Film Transistor Processed From a Nonchlorinated Solvent. ACS Applied Materials & Interfaces, 2016, 8, 24325-24330.	4.0	29
182	Effect of polyelectrolyte interlayer on efficiency and stability of p-i-n perovskite solar cells. Solar Energy, 2016, 139, 190-198.	2.9	25
183	Elucidating the charge carrier transport and extraction in planar heterojunction perovskite solar cells by Kelvin probe force microscopy. Journal of Materials Chemistry A, 2016, 4, 17464-17472.	5.2	43
184	Enhancing the photovoltaic performance of planar heterojunction perovskite solar cells by doping the perovskite layer with alkali metal ions. Journal of Materials Chemistry A, 2016, 4, 16546-16552.	5.2	143
185	Interface studies of the planar heterojunction perovskite solar cells. Solar Energy Materials and Solar Cells, 2016, 157, 783-790.	3.0	42
186	Mixed-solvent-vapor annealing of perovskite for photovoltaic device efficiency enhancement. Nano Energy, 2016, 28, 417-425.	8.2	114
187	Diacenopentalene dicarboximides as new n-type organic semiconductors for field-effect transistors. Journal of Materials Chemistry C, 2016, 4, 8758-8764.	2.7	34
188	High-Performance Low-Bandgap Polymer Solar Cells With Optical Microcavity Employing Ultrathin Ag Film Electrode. IEEE Photonics Journal, 2016, 8, 1-12.	1.0	2
189	1.1% DMF incorporation in MAI/IPA precursor for 50% efficiency enhancement of planar perovskite solar cells. , 2016, , .		0
190	Controlling aggregation and crystallization of solution processed diketopyrrolopyrrole based polymer for high performance thin film transistors by pre-metered slot die coating process. Organic Electronics, 2016, 36, 113-119.	1.4	20
191	Low temperature aqueous solution-processed Li doped ZnO buffer layers for high performance inverted organic solar cells. Journal of Materials Chemistry C, 2016, 4, 6169-6175.	2.7	45
192	Zâ€Shaped Pentalenoâ€Acene Dimers with High Stability and Small Band Gap. Angewandte Chemie, 2016, 128, 2743-2746.	1.6	15
193	Nitrogen and sulfur co-doped graphene aerogels as an efficient metal-free catalyst for oxygen reduction reaction in an alkaline solution. RSC Advances, 2016, 6, 22781-22790.	1.7	40
194	Boosting the performance of planar heterojunction perovskite solar cell by controlling the precursor purity of perovskite materials. Journal of Materials Chemistry A, 2016, 4, 887-893.	5.2	137
195	Enhanced Polymer Thin Film Transistor Performance by Carefully Controlling the Solution Selfâ€Assembly and Film Alignment with Slot Die Coating. Advanced Electronic Materials, 2015, 1, 1500036.	2.6	35
196	Orderly Nanopatterned Indium Tin Oxide Electrode Combined with Atomicâ€Layerâ€Deposited Metal Oxide Interlayer for Inverted Organic Solar Cells. Energy Technology, 2015, 3, 906-912.	1.8	4
197	Stability of inverted organic solar cells with lowâ€temperature ZnO buffer layer processed from aqueous solution. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 2262-2270.	0.8	6
198	Isoindigo-Based Small Molecules with Varied Donor Components for Solution-Processable Organic Field Effect Transistor Devices. Molecules, 2015, 20, 17362-17377.	1.7	8

#	Article	IF	Citations
199	Bright red-emitting polymer dots for specific cellular imaging. Journal of Materials Science, 2015, 50, 5571-5577.	1.7	17
200	Efficient planar heterojunction solar cell employing CH₃NH₃PbI₂₊<i>_x</i>Cl_{1âˆ’}<i>_x</i>mixed halide perovskite utilizing modified sequential deposition. Japanese Journal of Applied Physics, 2015, 54, 092301.	0.8	3
201	Thiopheneâ€“tetrafluorophenylâ€“thiophene: a promising building block for ambipolar organic field effect transistors. Journal of Materials Chemistry C, 2015, 3, 2080-2085.	2.7	29
202	Bisindeno-annulated pentacenes with exceptionally high photo-stability and ordered molecular packing: simple synthesis by a regio-selective Scholl reaction. Chemical Communications, 2015, 51, 3604-3607.	2.2	78
203	Efficient inverted polymer solar cells using low-temperature zinc oxide interlayer processed from aqueous solution. Japanese Journal of Applied Physics, 2015, 54, 042301.	0.8	11
204	Pro-aromatic bisphenaleno-thieno[3,2-b]thiophene versus anti-aromatic bisindeno-thieno[3,2-b]thiophene: different ground-state properties and applications in field-effect transistors. Chemical Communications, 2015, 51, 13178-13180.	2.2	21
205	Effects of organic inorganic hybrid perovskite materials on the electronic properties and morphology of poly(3,4-ethylenedioxythiophene):poly(styrenesulfonate) and the photovoltaic performance of planar perovskite solar cells. Journal of Materials Chemistry A, 2015, 3, 15897-15904.	5.2	85
206	Hole mobility of 3.56 cm² V^{âˆ’1} s^{âˆ’1} accomplished using more extended dithienothiophene with furan flanked diketopyrrolopyrrole polymer. Journal of Materials Chemistry C, 2015, 3, 9299-9305.	2.7	47
207	Transparent Conductive Oxide-Free Perovskite Solar Cells with PEDOT:PSS as Transparent Electrode. ACS Applied Materials & Interfaces, 2015, 7, 15314-15320.	4.0	201
208	A two-layer structured PbI₂thin film for efficient planar perovskite solar cells. Nanoscale, 2015, 7, 12092-12095.	2.8	40
209	Structures and properties of polyimide fibers containing ether units. Journal of Materials Science, 2015, 50, 4104-4114.	1.7	39
210	Flexible ITO-Free Organic Solar Cells Based on <named-content content-type="math" xlink:type="simple"> <inline-formula> <tex-math notation="TeX">$hbox{MoO}_{3}/hbox{Ag}$</tex-math></inline-formula></named-content> Anodes. IEEE Photonics Journal, 2015, 7, 1-9.	1.0	14
211	Structures and properties of polyimide fibers containing fluorine groups. RSC Advances, 2015, 5, 71425-71432.	1.7	28
212	Effect of pre-imidization on the structures and properties of polyimide fibers. RSC Advances, 2015, 5, 69555-69566.	1.7	29
213	Thienoaceneâ€Fused Pentalenes: Syntheses, Structures, Physical Properties and Applications for Organic Fieldâ€Effect Transistors. Chemistry - A European Journal, 2015, 21, 2019-2028.	1.7	35
214	Solution processed F doped ZnO (ZnO:F) for thin film transistors and improved stability through co-doping with alkali metals. Journal of Materials Chemistry C, 2015, 3, 1787-1793.	2.7	64
215	Efficiency enhancement of planar perovskite solar cells by adding zwitterion/LiF double interlayers for electron collection. Nanoscale, 2015, 7, 896-900.	2.8	127
216	Dianthraceno[a,e]pentalenes: synthesis, crystallographic structures and applications in organic field-effect transistors. Chemical Communications, 2015, 51, 503-506.	2.2	70

#	Article	IF	Citations
217	InGaN multiple quantum well solar cells on a patterned sapphire substrate. , 2015, , .		0
218	ITO-Free Semitransparent Organic Solar Cells Based on Silver Thin Film Electrodes. International Journal of Photoenergy, 2014, 2014, 1-7.	1.4	5
219	Efficient indium-tin-oxide free inverted organic solar cells based on aluminum-doped zinc oxide cathode and low-temperature aqueous solution processed zinc oxide electron extraction layer. Applied Physics Letters, 2014, 104, .	1.5	7
220	Solutionâ€Processable nâ€Type Semiconductors Based on Unsymmetrical Naphthalene Imides: Synthesis, Characterization, and Applications in Fieldâ€Effect Transistors. Chemistry - an Asian Journal, 2014, 9, 253-260.	1.7	17
221	A work-function tunable polyelectrolyte complex (PEI:PSS) as a cathode interfacial layer for inverted organic solar cells. Journal of Materials Chemistry A, 2014, 2, 7788-7794.	5.2	49
222	Enhanced inverted organic solar cell performance by post-treatments of solution-processed ZnO buffer layers. RSC Advances, 2014, 4, 6646.	1.7	45
223	Antiaromatic bisindeno-[n]thienoacenes with small singlet biradical characters: syntheses, structures and chain length dependent physical properties. Chemical Science, 2014, 5, 4490-4503.	3.7	62
224	Improve the Operational Stability of the Inverted Organic Solar Cells Using Bilayer Metal Oxide Structure. ACS Applied Materials & Interfaces, 2014, 6, 18861-18867.	4.0	18
225	Water induced zinc oxide thin film formation and its transistor performance. Journal of Materials Chemistry C, 2014, 2, 5397-5403.	2.7	29
226	Stable 7,14-Disubstituted-5,12-Dithiapentacenes with Quinoidal Conjugation. Organic Letters, 2014, 16, 3966-3969.	2.4	44
227	Pyromellitic diimideâ€based copolymers for ambipolar fieldâ€effect transistors: Synthesis, characterization, and device applications. Journal of Polymer Science Part A, 2014, 52, 2454-2464.	2.5	7
228	High efficient ITO free inverted organic solar cells based on ultrathin Ca modified AZO cathode and their light soaking issue. Organic Electronics, 2014, 15, 3006-3015.	1.4	19
229	Improvement of transparent silver thin film anodes for organic solar cells with a decreased percolation threshold of silver. Solar Energy Materials and Solar Cells, 2014, 127, 193-200.	3.0	30
230	Bisacenaphthopyrazinoquinoxaline derivatives: synthesis, physical properties and applications as semiconductors for n-channel field effect transistors. Organic and Biomolecular Chemistry, 2013, 11, 5683.	1.5	4
231	TCNQ-embedded heptacene and nonacene: synthesis, characterization and physical properties. Organic and Biomolecular Chemistry, 2013, 11, 6285.	1.5	7
232	A phthalimide-fused naphthalene diimide with high electron affinity for a high performance n-channel field effect transistor. RSC Advances, 2013, 3, 6775.	1.7	15
233	Development of Inverted Organic Solar Cells with TiO₂ Interface Layer by Using Low-Temperature Atomic Layer Deposition. ACS Applied Materials & Interfaces, 2013, 5, 713-718.	4.0	115
234	TiOx/Al bilayer as cathode buffer layer for inverted organic solar cell. Applied Physics Letters, 2013, 103, .	1.5	21

#	Article	IF	Citations
235	Efficient â€œLight-soakingâ€•free Inverted Organic Solar Cells with Aqueous Solution Processed Low-Temperature ZnO Electron Extraction Layers. ACS Applied Materials & Interfaces, 2013, 5, 13318-13324.	4.0	22
236	Effects of contact treatments on solution-processed n-type dicyano-ovalenediimide and its complementary circuits. RSC Advances, 2013, 3, 8721.	1.7	9
237	6,13-Dicyano pentacene-2,3:9,10-bis(dicarboximide) for solution-processed air-stable n-channel field effect transistors and complementary circuit. Journal of Materials Chemistry C, 2013, 1, 456-462.	2.7	30
238	Cyanated Diazatetracene Diimides with Ultrahigh Electron Affinity for <i>n</i>-Channel Field Effect Transistors. Organic Letters, 2013, 15, 1194-1197.	2.4	72
239	Performance Comparison of Conventional and Inverted Organic Bulk Heterojunction Solar Cells From Optical and Electrical Aspects. IEEE Transactions on Electron Devices, 2013, 60, 451-457.	1.6	24
240	Solution-Processed LiF-Doped ZnO Films for High Performance Low Temperature Field Effect Transistors and Inverted Solar Cells. ACS Applied Materials & Interfaces, 2013, 5, 6687-6693.	4.0	63
241	Solution-processable n-type and ambipolar semiconductors based on a fused cyclopentadithiophenebis(dicyanovinylene) core. Chemical Communications, 2013, 49, 7135.	2.2	25
242	Controlled Growth of Largeâ€Area Highâ€Performance Smallâ€Molecule Organic Singleâ€Crystalline Transistors by Slotâ€Die Coating Using A Mixed Solvent System. Advanced Materials, 2013, 25, 6442-6447.	11.1	123
243	Large core-expanded triazatruxene-based discotic liquid crystals: synthesis, characterization and physical properties. Journal of Materials Chemistry, 2012, 22, 13180.	6.7	31
244	Dithieno-naphthalimide based copolymers for air-stable field effect transistors: synthesis, characterization and device performance. Journal of Materials Chemistry, 2012, 22, 21201.	6.7	11
245	Linear and star-shaped pyrazine-containing acene dicarboximides with high electron-affinity. Organic and Biomolecular Chemistry, 2012, 10, 7045.	1.5	71
246	Incorporating TCNQ into Thiophene-Fused Heptacene for n-Channel Field Effect Transistor. Organic Letters, 2012, 14, 2786-2789.	2.4	27
247	Disc-like 7, 14-dicyano-ovalene-3,4:10,11-bis(dicarboximide) as a solution-processible n-type semiconductor for air stable field-effect transistors. Chemical Science, 2012, 3, 846-850.	3.7	54
248	Stepwise Cyanation of Naphthalene Diimide for n-Channel Field-Effect Transistors. Organic Letters, 2012, 14, 2964-2967.	2.4	92
249	Investigation of Controlled Current Matching in Polymer Tandem Solar Cells Considering Different Layer Sequences and Optical Spacer. Japanese Journal of Applied Physics, 2012, 51, 122301.	0.8	11
250	Thiophene-Fused Tetracene Diimide with Low Band Gap and Ambipolar Behavior. Organic Letters, 2011, 13, 5960-5963.	2.4	76
251	A simple and efficient solar cell parameter extraction method from a single current-voltage curve. Journal of Applied Physics, 2011, 110, .	1.1	216
252	Biodegradable poly(<i>p</i>â€dioxanone) reinforced and toughened by organoâ€modified vermiculite. Polymers for Advanced Technologies, 2011, 22, 993-1000.	1.6	9

#	Article	IF	Citations
253	Inverted Organic Photovoltaic Cells with Solution-Processed Zinc Oxide as Electron Collecting Layer. Japanese Journal of Applied Physics, 2011, 50, 082302.	0.8	30
254	PROPERTIES OF POLY(<i>p</i>â€•DIOXANONEâ€•URETHANE) COPOLYMERS WITH CONTROLLABLE STRUCTURES. Soft Materials, 2009, 7, 277-295.	0.8	4
255	Organic Field-Effect Transistor: Device Physics, Materials, and Process. , 0, , .		8
256	High-Efficiency (>14%) and Air-Stable Carbon-Based, All-Inorganic CsPbI₂Br Perovskite Solar Cells through a Top-Seeded Growth Strategy. ACS Energy Letters, 0, , 1500-1510.	8.8	106
257	Impurity level properties in transition metal doped Î±-Ga₂O₃ for optoelectronic applications. Semiconductor Science and Technology, 0, , .	1.0	15