Yongsheng Chen

List of Publications by Year
in descending order

375	65,150	993 114	849 244
papers	citations	h-index	g-index

383	383	383	55161
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chemical Design for Both Molecular and Morphology Optimization toward Highâ€Performance Lithiumâ€Ion Batteries Cathode Material Based on Covalent Organic Framework. Advanced Functional Materials, 2022, 32, 2107703.	7.8	47
2	Thiophenes and Their Benzo Derivatives: Applications. , 2022, , 613-652.		1
3	A 2D covalent organic framework with ultra-large interlayer distance as high-rate anode material for lithium-ion batteries. Nano Research, 2022, 15, 9779-9784.	5.8	27
4	A Phenanthrocarbazoleâ€Based Dopantâ€Free Holeâ€Transport Polymer with Noncovalent Conformational Locking for Efficient Perovskite Solar Cells. Angewandte Chemie - International Edition, 2022, 61, .	7.2	47
5	Visible to Mid-Infrared Photodetection Based on Flexible 3D Graphene/Organic Hybrid Photodetector with Ultrahigh Responsivity at Ambient Conditions. ACS Photonics, 2022, 9, 59-67.	3.2	30
6	Molecular optimization of incorporating pyran fused acceptorâ€“donorâ€“acceptor type acceptors enables over 15% efficiency in organic solar cells. Journal of Materials Chemistry C, 2022, 10, 1977-1983.	2.7	6
7	Exploring ternary organic photovoltaics for the reduced nonradiative recombination and improved efficiency over 17.23% with a simple large-bandgap small molecular third component. Nano Research, 2022, 15, 3222-3229.	5.8	14
8	Spirocyclic side chain of a non-fullerene acceptor enables efficient organic solar cells with reduced recombination loss and energetic disorder. RSC Advances, 2022, 12, 6573-6582.	1.7	5
9	Tuning Morphology of Active Layer by using a Wide Bandgap Oligomerâ€Like Donor Enables Organic Solar Cells with Over 18% Efficiency. Advanced Energy Materials, 2022, 12, .	10.2	45
10	An auxetic cellular structure as a universal design for enhanced piezoresistive sensitivity. Matter, 2022, 5, 1547-1562.	5.0	23
11	Pushing detectability and sensitivity for subtle force to new limits with shrinkable nanochannel structured aerogel. Nature Communications, 2022, 13, 1119.	5.8	79
12	Tuning the Phase Separation by Thermal Annealing Enables High-Performance All-Small-Molecule Organic Solar Cells. Chemistry of Materials, 2022, 34, 3168-3177.	3.2	12
13	Conjugated Extension of Non-Fullerene Acceptors Enables Efficient Organic Solar Cells with Optoelectronic Response over 1000 nm. ACS Applied Energy Materials, 2022, 5, 4664-4672.	2.5	3
14	Recent progress in organic solar cells (Part I material science). Science China Chemistry, 2022, 65, 224-268.	4.2	349
15	Multifunctional Superelastic Graphene-Based Thermoelectric Sponges for Wearable and Thermal Management Devices. Nano Letters, 2022, 22, 3417-3424.	4.5	30
16	Allâ€Smallâ€Molecule Organic Solar Cells with Efficiency Approaching 16% and FF over 80%. Small, 2022, 18, e2201400.	5.2	21
17	The effects of the side-chain length of non-fullerene acceptors on their performance in all-small-molecule organic solar cells. Journal of Materials Chemistry C, 2022, 10, 8719-8727.	2.7	7
18	Tandem organic solar cells with 18.67% efficiency via careful subcell design and selection. Journal of Materials Chemistry A, 2022, 10, 11238-11245.	5.2	18

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19	Lowing the energy loss of organic solar cells by molecular packing engineering via multiple molecular conjugation extension. Science China Chemistry, 2022, 65, 1362-1373.	4.2	79
20	Pyran-fused non-fullerene acceptor achieving 15.51% efficiency in organic solar cells. Organic Electronics, 2022, 106, 106541.	1.4	8
21	Ionic Dopant-Free Polymer Alloy Hole Transport Materials for High-Performance Perovskite Solar Cells. Journal of the American Chemical Society, 2022, 144, 9500-9509.	6.6	85
22	Recent progress in organic solar cells (Part II device engineering). Science China Chemistry, 2022, 65, 1457-1497.	4.2	157
23	Can Isotope Effects Enable Organic Solar Cells to Achieve Smaller Non-Radiative Energy Losses and Why?. Chemistry of Materials, 2022, 34, 6009-6025.	3.2	19
24	A Low Reorganization Energy and Two-dimensional Acceptor with Four End Units for Organic Solar Cells with Low Eloss. Chinese Journal of Polymer Science (English Edition), 2022, 40, 921-927.	2.0	10
25	Achieving over 18â€‰% Efficiency Organic Solar Cell Enabled by a ZnOâ€Based Hybrid Electron Transport Layer with an Operational Lifetime up to 5â€…Years. Angewandte Chemie - International Edition, 2022, 61, .	7.2	36
26	Achieving over 18â€‰% Efficiency Organic Solar Cell Enabled by a ZnOâ€Based Hybrid Electron Transport Layer with an Operational Lifetime up to 5â€…Years. Angewandte Chemie, 2022, 134, .	1.6	10
27	High-power instant-synthesis technology of carbon nanomaterials and nanocomposites. Nano Energy, 2021, 80, 105500.	8.2	21
28	Highly Stretchable Carbon Nanotubes/Polymer Thermoelectric Fibers. Nano Letters, 2021, 21, 1047-1055.	4.5	60
29	Low-cost and scalable carbon bread used as an efficient solar steam generator with high performance for water desalination and purification. RSC Advances, 2021, 11, 8674-8681.	1.7	8
30	A robust, freeze-resistant and highly ion conductive ionogel electrolyte towards lithium metal batteries workable at â˜’30 Â°C. Physical Chemistry Chemical Physics, 2021, 23, 6775-6782.	1.3	12
31	Electrostatic Actuating Doubleâ€Unit Electrocaloric Cooling Device with High Efficiency. Advanced Energy Materials, 2021, 11, 2003771.	10.2	16
32	Improving current and mitigating energy loss in ternary organic photovoltaics enabled by two well-compatible small molecule acceptors. Science China Chemistry, 2021, 64, 608-615.	4.2	13
33	Flexible Highâ€Performance and Solutionâ€Processed Organic Photovoltaics with Robust Mechanical Stability. Advanced Functional Materials, 2021, 31, 2010000.	7.8	29
34	Super heating/cooling rate enabled by microwave shock on polymeric graphene foam for high performance Lithiumâ€“Sulfur batteries. Carbon, 2021, 173, 809-816.	5.4	15
35	In situ identification of the metallic state of Ag nanoclusters in oxidative dispersion. Nature Communications, 2021, 12, 1406.	5.8	42
36	Spacer Engineering Using Aromatic Formamidinium in 2D/3D Hybrid Perovskites for Highly Efficient Solar Cells. ACS Nano, 2021, 15, 7811-7820.	7.3	99

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37	Structural optimization of acceptor molecules guided by a semi-empirical model for organic solar cells with efficiency over 15%. Science China Materials, 2021, 64, 2388-2396.	3.5	6
38	Highly Stretchable Shape Memory Self-Soldering Conductive Tape with Reversible Adhesion Switched by Temperature. Nano-Micro Letters, 2021, 13, 124.	14.4	8
39	Concurrently Improved J_{sc}, Fill Factor, and Stability in a Ternary Organic Solar Cell Enabled by a C-Shaped Non-fullerene Acceptor and Its Structurally Similar Third Component. ACS Applied Materials & Interfaces, 2021, 13, 40766-40777.	4.0	18
40	Recent progress of cathode materials for aqueous zinc-ion capacitors: Carbon-based materials and beyond. Carbon, 2021, 185, 126-151.	5.4	71
41	High performance Li-ion capacitor fabricated with dual graphene-based materials. Nanotechnology, 2021, 32, 015403.	1.3	32
42	Controlling and optimizing the morphology and microstructure of 3D interconnected activated carbons for high performance supercapacitors. Nanotechnology, 2021, 32, 085401.	1.3	9
43	Integrated Perovskite/Bulkâ€Heterojunction Organic Solar Cells. Advanced Materials, 2020, 32, e1805843.	11.1	61
44	3D printing nanocomposite gel-based thick electrode enabling both high areal capacity and rate performance for lithium-ion battery. Chemical Engineering Journal, 2020, 381, 122641.	6.6	89
45	A 3D cross-linked graphene-based honeycomb carbon composite withÂexcellent confinement effect of organic cathode material for lithium-ion batteries. Carbon, 2020, 157, 656-662.	5.4	98
46	A novel acceptor with aN,N-dialkyl thieno[3â€²,2â€²:2,3]indolo[7,6-g]thieno[3,2-b]indole (TITI) core for organic solar cells with a high fill factor of 0.75. Chemical Communications, 2020, 56, 751-753.	2.2	12
47	Hot electron prompted highly efficient photocatalysis based on 3D graphene/non-precious metal nanoparticles. RSC Advances, 2020, 10, 42054-42061.	1.7	3
48	A MXeneâ€Based Hierarchical Design Enabling Highly Efficient and Stable Solarâ€Water Desalination with Good Salt Resistance. Advanced Functional Materials, 2020, 30, 2007110.	7.8	215
49	A Li-rich layered-spinel cathode material for high capacity and high rate lithium-ion batteries fabricated via a gas-solid reaction. Science China Materials, 2020, 63, 2435-2442.	3.5	17
50	Side chain engineering investigation of non-fullerene acceptors for photovoltaic device with efficiency over 15%. Science China Chemistry, 2020, 63, 1799-1806.	4.2	25
51	Effect of Nitro-Substituted Ending Groups on the Photovoltaic Properties of Nonfullerene Acceptors. ACS Applied Materials & Interfaces, 2020, 12, 41861-41868.	4.0	11
52	Fred Wudl. A giant in Ï€-conjugated materials. Materials Chemistry Frontiers, 2020, 4, 3398-3399.	3.2	0
53	A nonfullerene acceptor incorporating a dithienopyran fused backbone for organic solar cells with efficiency over 14%. Nano Energy, 2020, 75, 104988.	8.2	27
54	Subtle Morphology Control with Binary Additives for High-Efficiency Non-Fullerene Acceptor Organic Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 27425-27432.	4.0	16

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55	An oxygen heterocycle-fused fluorene based non-fullerene acceptor for high efficiency organic solar cells. Materials Chemistry Frontiers, 2020, 4, 3594-3601.	3.2	15
56	Altered absorptive function in the gall bladder during cholesterol gallstone formation is associated with abnormal NHE3 complex formation. Journal of Physiology and Biochemistry, 2020, 76, 427-435.	1.3	4
57	Dual effects from in-situ polymerized gel electrolyte and boric acid for ultra-long cycle-life Li metal batteries. Science China Materials, 2020, 63, 2344-2350.	3.5	16
58	Acceptorâ€“donorâ€“acceptor type molecules for high performance organic photovoltaics â€“ chemistry and mechanism. Chemical Society Reviews, 2020, 49, 2828-2842.	18.7	326
59	An acceptorâ€“donorâ€“acceptor type non-fullerene acceptor with an asymmetric backbone for high performance organic solar cells. Journal of Materials Chemistry C, 2020, 8, 6293-6298.	2.7	12
60	Phase Distribution and Carrier Dynamics in Multiple-Ring Aromatic Spacer-Based Two-Dimensional Ruddlesdenâ€“Popper Perovskite Solar Cells. ACS Nano, 2020, 14, 4871-4881.	7.3	126
61	Achieving an Efficient and Stable Morphology in Organic Solar Cells Via Fine-Tuning the Side Chains of Small-Molecule Acceptors. Chemistry of Materials, 2020, 32, 2593-2604.	3.2	91
62	Lowâ€Bandgap Porphyrins for Highly Efficient Organic Solar Cells: Materials, Morphology, and Applications. Advanced Materials, 2020, 32, e1906129.	11.1	143
63	An Acceptorâ€“Donorâ€“Acceptor Structured Small Molecule for Effective NIR Triggered Dual Phototherapy of Cancer. Advanced Functional Materials, 2020, 30, 1910301.	7.8	82
64	Achieving organic solar cells with efficiency over 14% based on a non-fullerene acceptor incorporating a cyclopentathiophene unit fused backbone. Journal of Materials Chemistry A, 2020, 8, 5194-5199.	5.2	21
65	An all small molecule organic solar cell based on a porphyrin donor and a non-fullerene acceptor with complementary and broad absorption. Dyes and Pigments, 2020, 176, 108250.	2.0	20
66	A 2D covalent organic framework as a high-performance cathode material for lithium-ion batteries. Nano Energy, 2020, 70, 104498.	8.2	144
67	Integrated Optoelectronics: Integrated Perovskite/Bulkâ€Heterojunction Organic Solar Cells (Adv.) Tj ETQq1 1 0.784314 rgBT /Overlo	11.1	0
68	All-Small-Molecule Organic Solar Cells Based on a Fluorinated Small Molecule Donor With High Open-Circuit Voltage of 1.07 V. Frontiers in Chemistry, 2020, 8, 329.	1.8	15
69	The rational and effective design of nonfullerene acceptors guided by a semi-empirical model for an organic solar cell with an efficiency over 15%. Journal of Materials Chemistry A, 2020, 8, 9726-9732.	5.2	54
70	A privileged ternary blend enabling non-fullerene organic photovoltaics with over 14% efficiency. Journal of Materials Chemistry C, 2020, 8, 15135-15141.	2.7	4
71	Ultraviolet-to-microwave room-temperature photodetectors based on three-dimensional graphene foams. Photonics Research, 2020, 8, 368.	3.4	28
72	Polymeric Graphene Bulk Materials with a 3D Crossâ€Linked Monolithic Graphene Network. Advanced Materials, 2019, 31, e1802403.	11.1	74

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73	Visualizing the Vertical Energetic Landscape in Organic Photovoltaics. Joule, 2019, 3, 2513-2534.	11.7	25
74	Three dimensional cross-linked and flexible graphene composite paper with ultrafast electrothermal response at ultra-low voltage. Carbon, 2019, 154, 150-155.	5.4	31
75	Biomimetic printable nanocomposite for healable, ultrasensitive, stretchable and ultradurable strain sensor. Nano Energy, 2019, 63, 103898.	8.2	53
76	Efficient and thermally stable organic solar cells based on small molecule donor and polymer acceptor. Nature Communications, 2019, 10, 3271.	5.8	94
77	Sequentially Deposited versus Conventional Nonfullerene Organic Solar Cells: Interfacial Trap States, Vertical Stratification, and Exciton Dissociation. Advanced Energy Materials, 2019, 9, 1902145.	10.2	36
78	High Performance Thickâ€Film Nonfullerene Organic Solar Cells with Efficiency over 10% and Active Layer Thickness of 600 nm. Advanced Energy Materials, 2019, 9, 1902688.	10.2	69
79	Enhanced cycling stability of boron-doped lithium-rich layered oxide cathode materials by suppressing transition metal migration. Journal of Materials Chemistry A, 2019, 7, 3375-3383.	5.2	49
80	Plasmonic Ti₃C₂T_x MXene Enables Highly Efficient Photothermal Conversion for Healable and Transparent Wearable Device. ACS Nano, 2019, 13, 8124-8134.	7.3	247
81	Highly Conducting MXeneâ€“Silver Nanowire Transparent Electrodes for Flexible Organic Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 25330-25337.	4.0	156
82	Compressible Highly Stable 3D Porous MXene/GO Foam with a Tunable High-Performance Stealth Property in the Terahertz Band. ACS Applied Materials & Interfaces, 2019, 11, 25369-25377.	4.0	78
83	Achieving Both Enhanced Voltage and Current through Fineâ€Tuning Molecular Backbone and Morphology Control in Organic Solar Cells. Advanced Energy Materials, 2019, 9, 1901024.	10.2	73
84	Highly Efficient and Stable Solar Cells Based on Crystalline Oriented 2D/3D Hybrid Perovskite. Advanced Materials, 2019, 31, e1901242.	11.1	210
85	Microâ€Supercapacitors: Hydrous RuO 2 â€Decorated MXene Coordinating with Silver Nanowire Inks Enabling Fully Printed Microâ€Supercapacitors with Extraordinary Volumetric Performance (Adv.) Tj ETQq1 1 0.784314 rgBT /Overloc	11.1	10
86	A Tandem Organic Solar Cell with PCE of 14.52% Employing Subcells with the Same Polymer Donor and Two Absorption Complementary Acceptors. Advanced Materials, 2019, 31, e1804723.	11.1	48
87	Super-elasticity of three-dimensionally cross-linked graphene materials all the way to deep cryogenic temperatures. Science Advances, 2019, 5, eaav2589.	4.7	84
88	Fluorination-modulated end units for high-performance non-fullerene acceptors based organic solar cells. Science China Materials, 2019, 62, 1210-1217.	3.5	14
89	An A2â€“Ïâ€“A1â€“Ïâ€“A2-type small molecule donor for high-performance organic solar cells. Journal of Materials Chemistry C, 2019, 7, 5381-5384.	2.7	12
90	Grapheneâ€Based Materials toward Microwave and Terahertz Absorbing Stealth Technologies. Advanced Optical Materials, 2019, 7, 1801318.	3.6	208

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91	Hydrous RuO₂â€Decorated MXene Coordinating with Silver Nanowire Inks Enabling Fully Printed Microâ€Supercapacitors with Extraordinary Volumetric Performance. Advanced Energy Materials, 2019, 9, 1803987.	10.2	188
92	Gall bladder: The metabolic orchestrator. Diabetes/Metabolism Research and Reviews, 2019, 35, e3140.	1.7	10
93	New Anthraceneâ€Fused Nonfullerene Acceptors for Highâ€Efficiency Organic Solar Cells: Energy Level Modulations Enabling Match of Donor and Acceptor. Advanced Energy Materials, 2019, 9, 1803541.	10.2	95
94	A nitrogen-doped-carbon/ZnO modified Cu foam current collector for high-performance Li metal batteries. Journal of Materials Chemistry A, 2019, 7, 5712-5718.	5.2	57
95	A cyclopentadithiophene-bridged small molecule acceptor with near-infrared light absorption for efficient organic solar cells. Journal of Materials Chemistry C, 2019, 7, 4013-4019.	2.7	17
96	â€œTwistedâ€•conjugated molecules as donor materials for efficient all-small-molecule organic solar cells processed with tetrahydrofuran. Journal of Materials Chemistry A, 2019, 7, 23008-23018.	5.2	37
97	Organic Solar Cells: Sequentially Deposited versus Conventional Nonfullerene Organic Solar Cells: Interfacial Trap States, Vertical Stratification, and Exciton Dissociation (Adv. Energy Mater. 47/2019). Advanced Energy Materials, 2019, 9, 1970185.	10.2	1
98	Flexible organic photovoltaics based on water-processed silver nanowire electrodes. Nature Electronics, 2019, 2, 513-520.	13.1	255
99	High ampacity of superhelix graphene/copper nanocomposite wires by a synergistic growth-twisting-drawing strategy. Carbon, 2019, 141, 198-208.	5.4	22
100	Small Molecule Acceptors with a Nonfused Architecture for High-Performance Organic Photovoltaics. Chemistry of Materials, 2019, 31, 904-911.	3.2	66
101	Bioinspired Ultrasensitive and Stretchable MXene-Based Strain Sensor via Nacre-Mimetic Microscale â€œBrick-and-Mortarâ€•Architecture. ACS Nano, 2019, 13, 649-659.	7.3	320
102	Consecutively Strong Absorption from Gigahertz to Terahertz Bands of a Monolithic Three-Dimensional Fe₃O₄/Graphene Material. ACS Applied Materials & Interfaces, 2019, 11, 1274-1282.	4.0	94
103	A carbon science perspective in 2018: Current achievements and future challenges. Carbon, 2018, 132, 785-801.	5.4	80
104	Medium-Bandgap Small-Molecule Donors Compatible with Both Fullerene and Nonfullerene Acceptors. ACS Applied Materials & Interfaces, 2018, 10, 9587-9594.	4.0	25
105	Lowering Internal Friction of 0Dâ€“1Dâ€“2D Ternary Nanocompositeâ€Based Strain Sensor by Fullerene to Boost the Sensing Performance. Advanced Functional Materials, 2018, 28, 1800850.	7.8	179
106	Fine-tuning the side-chains of non-fullerene small molecule acceptors to match with appropriate polymer donors. Journal of Materials Chemistry A, 2018, 6, 8586-8594.	5.2	38
107	A New Nonfullerene Acceptor with Near Infrared Absorption for High Performance Ternaryâ€Blend Organic Solar Cells with Efficiency over 13%. Advanced Science, 2018, 5, 1800307.	5.6	111
108	Facile Synthesis of Carbonâ€Coated Li₃VO₄ Anode Material and its Application in Full Cells. Energy Technology, 2018, 6, 2074-2081.	1.8	29

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109	Efficient carbazole-based small-molecule organic solar cells with an improved fill factor. RSC Advances, 2018, 8, 4867-4871.	1.7	11
110	A Halogenation Strategy for over 12% Efficiency Nonfullerene Organic Solar Cells. Advanced Energy Materials, 2018, 8, 1702870.	10.2	159
111	Two Thieno[3,2â€•b]thiopheneâ€Based Small Molecules as Bifunctional Photoactive Materials for Organic Solar Cells. Solar Rrl, 2018, 2, 1700179.	3.1	12
112	A Direct Câ€“H Coupling Method for Preparing Ï€-Conjugated Functional Polymers with High Regioregularity. Macromolecules, 2018, 51, 379-388.	2.2	39
113	Graphene-Based Standalone Solar Energy Converter for Water Desalination and Purification. ACS Nano, 2018, 12, 829-835.	7.3	519
114	Cholecystectomy as a risk factor of metabolic syndrome: from epidemiologic clues to biochemical mechanisms. Laboratory Investigation, 2018, 98, 7-14.	1.7	38
115	Towards predicting the power conversion efficiencies of organic solar cells from donor and acceptor molecule structures. Journal of Materials Chemistry C, 2018, 6, 3276-3287.	2.7	17
116	Synergistic Modifications of Side Chains and End Groups in Small Molecular Acceptors for High Efficient Nonâ€Fullerene Organic Solar Cells. Solar Rrl, 2018, 2, 1800053.	3.1	23
117	All-Small-Molecule Organic Solar Cells Based on Pentathiophene Donor and Alkylated Indacenodithiophene-Based Acceptors with Efficiency over 8%. ACS Applied Energy Materials, 2018, 1, 2150-2156.	2.5	29
118	Substituents on the end group subtle tuning the energy levels and absorptions of small-molecule nonfullerene acceptors. Dyes and Pigments, 2018, 155, 241-248.	2.0	18
119	A high-performance ternary Si composite anode material with crystal graphite core and amorphous carbon shell. Journal of Power Sources, 2018, 384, 328-333.	4.0	51
120	Nonfullerene Tandem Organic Solar Cells with High Performance of 14.11%. Advanced Materials, 2018, 30, e1707508.	11.1	184
121	Tailoring the oxygenated groups of graphene hydrogels for high-performance supercapacitors with large areal mass loadings. Journal of Materials Chemistry A, 2018, 6, 6587-6594.	5.2	54
122	Highâ€Temperatureâ€Endurable, Flexible Supercapacitors: Performance and Degradation Mechanism. Energy Technology, 2018, 6, 161-170.	1.8	11
123	Fineâ€Tuning the Energy Levels of a Nonfullerene Smallâ€Molecule Acceptor to Achieve a High Shortâ€Circuit Current and a Power Conversion Efficiency over 12% in Organic Solar Cells. Advanced Materials, 2018, 30, 1704904.	11.1	214
124	A Ceramicâ€Based Separator for Highâ€Temperature Supercapacitors. Energy Technology, 2018, 6, 306-311.	1.8	16
125	Ultraâ€Broadband Wideâ€Angle Terahertz Absorption Properties of 3D Graphene Foam. Advanced Functional Materials, 2018, 28, 1704363.	7.8	223
126	A general gelation strategy for 1D nanowires: dynamically stable functional gels for 3D printing flexible electronics. Nanoscale, 2018, 10, 20096-20107.	2.8	38

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127	Unveiling the Molecular Symmetry Dependence of Exciton Dissociation Processes in Small-Molecular Heterojunctions. Journal of Physical Chemistry C, 2018, 122, 26851-26856.	1.5	5
128	A Hierarchical Silverâ€Nanowireâ€“Graphene Host Enabling Ultrahigh Rates and Superior Longâ€Term Cycling of Lithiumâ€Metal Composite Anodes. Advanced Materials, 2018, 30, e1804165.	11.1	221
129	Highâ€Performance Allâ€Smallâ€Molecule Solar Cells Based on a New Type of Small Molecule Acceptors with Chlorinated End Groups. Advanced Energy Materials, 2018, 8, 1802021.	10.2	76
130	A Universal Method for the Preparation of Dual Network Reduced Graphene Oxideâ€“Ceramic/Metal Foam Materials with Tunable Porosity and Improved Conductivity. Chemistry of Materials, 2018, 30, 8368-8374.	3.2	6
131	Grapheneâ€Based Composites Combining Both Excellent Terahertz Shielding and Stealth Performance. Advanced Optical Materials, 2018, 6, 1801165.	3.6	60
132	Dynamic Agitationâ€Induced Centrifugal Purification of Nanowires Enabling Transparent Electrodes with 99.2% Transmittance. Advanced Functional Materials, 2018, 28, 1804479.	7.8	32
133	Two-Dimensional Ruddlesdenâ€“Popper Perovskite with Nanorod-like Morphology for Solar Cells with Efficiency Exceeding 15%. Journal of the American Chemical Society, 2018, 140, 11639-11646.	6.6	397
134	Efficient non-fullerene organic solar cells employing sequentially deposited donorâ€“acceptor layers. Journal of Materials Chemistry A, 2018, 6, 18225-18233.	5.2	49
135	Multifunctional Bicontinuous Composite Foams with Ultralow Percolation Thresholds. ACS Applied Materials & Interfaces, 2018, 10, 20806-20815.	4.0	21
136	Ternary Organic Solar Cells With 12.8% Efficiency Using Two Nonfullerene Acceptors With Complementary Absorptions. Advanced Energy Materials, 2018, 8, 1800424.	10.2	90
137	Manipulating active layer morphology of molecular donor/polymer acceptor based organic solar cells through ternary blends. Science China Chemistry, 2018, 61, 1025-1033.	4.2	25
138	A chlorinated low-bandgap small-molecule acceptor for organic solar cells with 14.1% efficiency and low energy loss. Science China Chemistry, 2018, 61, 1307-1313.	4.2	210
139	Cesium Halides-Assisted Crystal Growth of Perovskite Films for Efficient Planar Heterojunction Solar Cells. Chemistry of Materials, 2018, 30, 5264-5271.	3.2	30
140	Rubbery neat carbon aerogels. Science China Chemistry, 2018, 61, 971-972.	4.2	0
141	Data on high performance supercapacitors based on mesoporous activated carbon materials with ultrahigh mesopore volume and effective specific surface area. Data in Brief, 2018, 18, 1448-1456.	0.5	18
142	Monolithic 3D Cross-Linked Polymeric Graphene Materials and the Likes: Preparation and Their Redox Catalytic Applications. Journal of the American Chemical Society, 2018, 140, 11538-11550.	6.6	50
143	Organic and solution-processed tandem solar cells with 17.3% efficiency. Science, 2018, 361, 1094-1098.	6.0	2,262
144	Dithienosilole-based small molecule donors for efficient all-small-molecule organic solar cells. Dyes and Pigments, 2018, 158, 445-450.	2.0	8

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145	A free-standing laser energy converter based on energetic graphene oxide for enhanced photothermic ignition. Journal of Materials Chemistry A, 2018, 6, 13761-13768.	5.2	14
146	Highâ€Efficiency and Low Distortion Photoacoustic Effect in 3D Graphene Sponge. Advanced Functional Materials, 2018, 28, 1702652.	7.8	35
147	Enhanced adsorption of aromatic chemicals on boron and nitrogen co-doped single-walled carbon nanotubes. Environmental Science: Nano, 2017, 4, 558-564.	2.2	31
148	Effects of alkyl chains on intermolecular packing and device performance in small molecule based organic solar cells. Dyes and Pigments, 2017, 141, 262-268.	2.0	11
149	High activity of hot electrons from bulk 3D graphene materials for efficient photocatalytic hydrogen production. Nano Research, 2017, 10, 1662-1672.	5.8	49
150	A series of dithienobenzodithiophene based small molecules for highly efficient organic solar cells. Science China Chemistry, 2017, 60, 552-560.	4.2	16
151	Molecular Origin of Donor- and Acceptor-Rich Domain Formation in Bulk-Heterojunction Solar Cells with an Enhanced Charge Transport Efficiency. Journal of Physical Chemistry C, 2017, 121, 5864-5870.	1.5	18
152	Evaluation of Electron Donor Materials for Solutionâ€Processed Organic Solar Cells via a Novel Figure of Merit. Advanced Energy Materials, 2017, 7, 1700465.	10.2	114
153	Rollerballâ€Penâ€Drawing Technology for Extremely Foldable Paperâ€Based Electronics. Advanced Electronic Materials, 2017, 3, 1700098.	2.6	35
154	Triperylene Hexaimides Based Allâ€Smallâ€Molecule Solar Cells with an Efficiency over 6% and Open Circuit Voltage of 1.04 V. Advanced Energy Materials, 2017, 7, 1601664.	10.2	57
155	Solution-processed organic tandem solar cells with power conversion efficiencies >12%. Nature Photonics, 2017, 11, 85-90.	15.6	510
156	Small Molecules with Asymmetric 4-Alkyl-8-alkoxybenzo[1,2-b:4,5-bâ€²]dithiophene as the Central Unit for High-Performance Solar Cells with High Fill Factors. Chemistry of Materials, 2017, 29, 3694-3703.	3.2	28
157	Small-Molecule Acceptor Based on the Heptacyclic Benzodi(cyclopentadithiophene) Unit for Highly Efficient Nonfullerene Organic Solar Cells. Journal of the American Chemical Society, 2017, 139, 4929-4934.	6.6	459
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