

Haoyu Fu

List of Publications by Year in descending order

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124
papers

14,947
citations

15466

65
h-index

19136

118
g-index

125
all docs

125
docs citations

125
times ranked

18628
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanomaterials for energy conversion and storage. <i>Chemical Society Reviews</i> , 2013, 42, 3127.	18.7	1,356
2	Nanostructured carbon for energy storage and conversion. <i>Nano Energy</i> , 2012, 1, 195-220.	8.2	895
3	Understanding electrochemical potentials of cathode materials in rechargeable batteries. <i>Materials Today</i> , 2016, 19, 109-123.	8.3	811
4	Hydrogenated Li ₄ Ti ₅ O ₁₂ Nanowire Arrays for High Rate Lithium Ion Batteries. <i>Advanced Materials</i> , 2012, 24, 6502-6506.	11.1	451
5	Synthesis and Enhanced Intercalation Properties of Nanostructured Vanadium Oxides. <i>Chemistry of Materials</i> , 2006, 18, 2787-2804.	3.2	428
6	MoSe ₂ nanosheets perpendicularly grown on graphene with Mo-C bonding for sodium-ion capacitors. <i>Nano Energy</i> , 2018, 47, 224-234.	8.2	358
7	Highly Efficient and Stable Perovskite Solar Cells Based on Monolithically Grained CH ₃ NH ₃ PbI ₃ Film. <i>Advanced Energy Materials</i> , 2017, 7, 1602017.	10.2	291
8	ZnO cathode buffer layers for inverted polymer solar cells. <i>Energy and Environmental Science</i> , 2015, 8, 3442-3476.	15.6	279
9	From scalable solution fabrication of perovskite films towards commercialization of solar cells. <i>Energy and Environmental Science</i> , 2019, 12, 518-549.	15.6	269
10	Facile synthesis of ultrathin NiCo ₂ S ₄ nano-petals inspired by blooming buds for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7144-7152.	5.2	251
11	Novel Carbon-Encapsulated Porous SnO ₂ Anode for Lithium-Ion Batteries with Much Improved Cyclic Stability. <i>Small</i> , 2016, 12, 1945-1955.	5.2	247
12	Beyond Li-ion: electrode materials for sodium- and magnesium-ion batteries. <i>Science China Materials</i> , 2015, 58, 715-766.	3.5	241
13	Revitalized interest in vanadium pentoxide as cathode material for lithium-ion batteries and beyond. <i>Energy Storage Materials</i> , 2018, 11, 205-259.	9.5	221
14	Co ₃ S ₄ @polyaniline nanotubes as high-performance anode materials for sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 5505-5516.	5.2	204
15	Mesocrystal MnO cubes as anode for Li-ion capacitors. <i>Nano Energy</i> , 2016, 22, 290-300.	8.2	189
16	A low crystallinity oxygen-vacancy-rich Co ₃ O ₄ cathode for high-performance flexible asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16094-16100.	5.2	182
17	Enhanced Performance of CdS/CdSe Quantum Dot Cosensitized Solar Cells via Homogeneous Distribution of Quantum Dots in TiO ₂ Film. <i>Journal of Physical Chemistry C</i> , 2012, 116, 18655-18662.	1.5	176
18	Fast and Reversible Li Ion Insertion in Carbon-Encapsulated Li ₃ VO ₄ as Anode for Lithium-Ion Battery. <i>Advanced Functional Materials</i> , 2015, 25, 3497-3504.	7.8	173

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19	Encapsulation of CoS _x Nanocrystals into N/S Co-Doped Honeycomb-Like 3D Porous Carbon for High-Performance Lithium Storage. <i>Advanced Science</i> , 2018, 5, 1800829.	5.6	172
20	Sn-Doped V ₂ O ₅ Film with Enhanced Lithium-Ion Storage Performance. <i>Journal of Physical Chemistry C</i> , 2013, 117, 23507-23514.	1.5	170
21	Walnut-like Porous Core/Shell TiO ₂ with Hybridized Phases Enabling Fast and Stable Lithium Storage. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 10652-10663.	4.0	169
22	Flexible and Wearable All-Solid-State Supercapacitors with Ultrahigh Energy Density Based on a Carbon Fiber Fabric Electrode. <i>Advanced Energy Materials</i> , 2017, 7, 1700409.	10.2	169
23	Exploiting High-Performance Anode through Tuning the Character of Chemical Bonds for Li-Ion Batteries and Capacitors. <i>Advanced Energy Materials</i> , 2017, 7, 1601127.	10.2	149
24	Lamellar MoSe ₂ nanosheets embedded with MoO ₂ nanoparticles: novel hybrid nanostructures promoted excellent performances for lithium ion batteries. <i>Nanoscale</i> , 2016, 8, 17902-17910.	2.8	143
25	rGO/SnS ₂ /TiO ₂ heterostructured composite with dual-confinement for enhanced lithium-ion storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 25056-25063.	5.2	136
26	Template-free synthesis of ultra-large V ₂ O ₅ nanosheets with exceptional small thickness for high-performance lithium-ion batteries. <i>Nano Energy</i> , 2015, 13, 58-66.	8.2	135
27	Monolithic MAPbI ₃ films for high-efficiency solar cells via coordination and a heat assisted process. <i>Journal of Materials Chemistry A</i> , 2017, 5, 21313-21319.	5.2	132
28	A promising cathode for Li-ion batteries: Li ₃ V ₂ (PO ₄) ₃ . <i>Energy Storage Materials</i> , 2016, 4, 15-58.	9.5	129
29	A highly efficient (>6%) Cd _{1-x} Mn _x Se quantum dot sensitized solar cell. <i>Journal of Materials Chemistry A</i> , 2014, 2, 19653-19659.	5.2	126
30	Design of coherent anode materials with OD Ni ₃ S ₂ nanoparticles self-assembled on 3D interconnected carbon networks for fast and reversible sodium storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7394-7402.	5.2	125
31	ZnO/TiO ₂ nanocable structured photoelectrodes for CdS/CdSe quantum dot co-sensitized solar cells. <i>Nanoscale</i> , 2013, 5, 936-943.	2.8	124
32	Energy storage through intercalation reactions: electrodes for rechargeable batteries. <i>National Science Review</i> , 2017, 4, 26-53.	4.6	122
33	Phosphorized SnO ₂ /graphene heterostructures for highly reversible lithium-ion storage with enhanced pseudocapacitance. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3479-3487.	5.2	117
34	Reversible and fast Na-ion storage in MoO ₂ /MoSe ₂ heterostructures for high energy-high power Na-ion capacitors. <i>Energy Storage Materials</i> , 2018, 12, 241-251.	9.5	117
35	Layered ternary metal oxides: Performance degradation mechanisms as cathodes, and design strategies for high-performance batteries. <i>Progress in Materials Science</i> , 2020, 111, 100655.	16.0	115
36	Chemical Synthesis of 3D Graphene-Like Cages for Sodium-Ion Batteries Applications. <i>Advanced Energy Materials</i> , 2017, 7, 1700797.	10.2	113

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37	Doubling the power conversion efficiency in CdS/CdSe quantum dot sensitized solar cells with a ZnSe passivation layer. <i>Nano Energy</i> , 2016, 26, 114-122.	8.2	112
38	Sulfur-deficient MoS ₂ grown inside hollow mesoporous carbon as a functional polysulfide mediator. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12068-12074.	5.2	112
39	Oxygen-deficient titanium dioxide as a functional host for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10346-10353.	5.2	109
40	Self-templated synthesis of N-doped CoSe ₂ /C double-shelled dodecahedra for high-performance supercapacitors. <i>Energy Storage Materials</i> , 2017, 8, 28-34.	9.5	107
41	Mesoporous TiO ₂ beads for high efficiency CdS/CdSe quantum dot co-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 2517.	5.2	102
42	Control of Nanostructures and Interfaces of Metal Oxide Semiconductors for Quantum-Dots-Sensitized Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 1859-1869.	2.1	102
43	Facile synthesis of nanorod-assembled multi-shelled Co ₃ O ₄ hollow microspheres for high-performance supercapacitors. <i>Journal of Power Sources</i> , 2014, 272, 107-112.	4.0	101
44	Mechanism of cycling degradation and strategy to stabilize a nickel-rich cathode. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16149-16163.	5.2	97
45	Enhanced Lithium-Ion Intercalation Properties of V ₂ O ₅ Xerogel Electrodes with Surface Defects. <i>Journal of Physical Chemistry C</i> , 2011, 115, 4959-4965.	1.5	96
46	Enhanced storage of sodium ions in Prussian blue cathode material through nickel doping. <i>Journal of Materials Chemistry A</i> , 2017, 5, 9604-9610.	5.2	95
47	Three dimensional architecture of carbon wrapped multilayer Na ₃ V ₂ O ₂ (PO ₄) ₂ F nanocubes embedded in graphene for improved sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 17563-17568.	5.2	91
48	Rational design of multi-shelled CoO/Co ₉ S ₈ hollow microspheres for high-performance hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18448-18456.	5.2	91
49	Heterogeneous NiS/NiO multi-shelled hollow microspheres with enhanced electrochemical performances for hybrid-type asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9153-9160.	5.2	90
50	Constructing water-resistant CH ₃ NH ₃ PbI ₃ perovskite films via coordination interaction. <i>Journal of Materials Chemistry A</i> , 2016, 4, 17018-17024.	5.2	89
51	Colloidal engineering for monolayer CH ₃ NH ₃ PbI ₃ films toward high performance perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 24168-24177.	5.2	87
52	High Efficiency CdS/CdSe Quantum Dot Sensitized Solar Cells with Two ZnSe Layers. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 34482-34489.	4.0	85
53	Freestanding flexible graphene foams@polypyrrole@MnO ₂ electrodes for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 9196-9203.	5.2	83
54	Superior Pseudocapacitive Lithium-Ion Storage in Porous Vanadium Oxides@C Heterostructure Composite. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 43665-43673.	4.0	83

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55	Engineering Halide Perovskite Crystals through Precursor Chemistry. <i>Small</i> , 2019, 15, e1903613.	5.2	82
56	Uniform 8LiFePO ₄ ·3V ₂ (PO ₄) ₃ /C nanoflakes for high-performance Li-ion batteries. <i>Nano Energy</i> , 2016, 22, 48-58.	8.2	80
57	High performance of Mn-doped CdSe quantum dot sensitized solar cells based on the vertical ZnO nanorod arrays. <i>Journal of Power Sources</i> , 2016, 325, 438-445.	4.0	77
58	Efficiency Enhancement of Quantum Dot Sensitized TiO ₂ /ZnO Nanorod Arrays Solar Cells by Plasmonic Ag Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 26675-26682.	4.0	76
59	Constructing ZnO nanorod array photoelectrodes for highly efficient quantum dot sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 6770.	5.2	74
60	Synergistic coupling of lamellar MoSe ₂ and SnO ₂ nanoparticles via chemical bonding at interface for stable and high-power sodium-ion capacitors. <i>Chemical Engineering Journal</i> , 2018, 354, 1164-1173.	6.6	73
61	A comparison of ZnS and ZnSe passivation layers on CdS/CdSe co-sensitized quantum dot solar cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 14773-14780.	5.2	70
62	Impacts of surface or interface chemistry of ZnSe passivation layer on the performance of CdS/CdSe quantum dot sensitized solar cells. <i>Nano Energy</i> , 2017, 32, 433-440.	8.2	70
63	Enhanced Performance of PbS-quantum-dot-sensitized Solar Cells via Optimizing Precursor Solution and Electrolytes. <i>Scientific Reports</i> , 2016, 6, 23094.	1.6	69
64	Tubular MoO ₂ organized by 2D assemblies for fast and durable alkali-ion storage. <i>Energy Storage Materials</i> , 2018, 11, 161-169.	9.5	69
65	S-doped porous carbon confined SnS nanospheres with enhanced electrochemical performance for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18286-18292.	5.2	67
66	Interface Engineering V ₂ O ₅ Nanofibers for High-Energy and Durable Supercapacitors. <i>Small</i> , 2019, 15, e1901747.	5.2	66
67	High-Voltage-Efficiency Inorganic Perovskite Solar Cells in a Wide Solution-Processing Window. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 3646-3653.	2.1	63
68	SnS Nanosheets Confined Growth by S and N Codoped Graphene with Enhanced Pseudocapacitance for Sodium-Ion Capacitors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 41363-41373.	4.0	63
69	Necklace-like Si@C nanofibers as robust anode materials for high performance lithium ion batteries. <i>Science Bulletin</i> , 2019, 64, 261-269.	4.3	63
70	Self-supported binder-free carbon fibers/MnO ₂ electrodes derived from disposable bamboo chopsticks for high-performance supercapacitors. <i>Journal of Alloys and Compounds</i> , 2017, 699, 126-135.	2.8	60
71	Carbon quantum dot modified Na ₃ V ₂ (PO ₄) ₂ F ₃ as a high-performance cathode material for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 18872-18879.	5.2	59
72	Tailoring band structure of ternary CdS Se _{1-x} quantum dots for highly efficient sensitized solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2016, 155, 20-29.	3.0	58

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73	Hydrothermal synthesis of coherent porous V ₂ O ₅ /carbon nanocomposites for high-performance lithium- and sodium-ion batteries. <i>Science China Materials</i> , 2017, 60, 717-727.	3.5	58
74	Tailoring Energy and Power Density through Controlling the Concentration of Oxygen Vacancies in V ₂ O ₅ /PEDOT Nanocable-Based Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 16647-16655.	4.0	57
75	Superior sodium storage performance of additive-free V ₂ O ₅ thin film electrodes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 16590-16594.	5.2	56
76	Nanostructured manganese dioxide with adjustable Mn ³⁺ /Mn ⁴⁺ ratio for flexible high-energy quasi-solid supercapacitors. <i>Chemical Engineering Journal</i> , 2020, 396, 125342.	6.6	56
77	3D flexible O/N Co-doped graphene foams for supercapacitor electrodes with high volumetric and areal capacitances. <i>Journal of Power Sources</i> , 2016, 336, 455-464.	4.0	54
78	Monolayer-like hybrid halide perovskite films prepared by additive engineering without antisolvents for solar cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15386-15394.	5.2	53
79	Synergistic combination of semiconductor quantum dots and organic-inorganic halide perovskites for hybrid solar cells. <i>Coordination Chemistry Reviews</i> , 2018, 374, 279-313.	9.5	51
80	Dynamic Growth of Pinhole-Free Conformal CH ₃ NH ₃ PbI ₃ Film for Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 4684-4690.	4.0	50
81	Investigation of the role of Mn dopant in CdS quantum dot sensitized solar cell. <i>Electrochimica Acta</i> , 2016, 191, 62-69.	2.6	49
82	High mass loading Ni-decorated Co ₉ S ₈ with enhanced electrochemical performance for flexible quasi-solid-state asymmetric supercapacitors. <i>Journal of Power Sources</i> , 2019, 423, 106-114.	4.0	48
83	Covalent organic framework-regulated ionic transportation for high-performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 26540-26548.	5.2	48
84	Enhancing sodium-ion storage performance of MoO ₂ /N-doped carbon through interfacial Mo-N-C bond. <i>Science China Materials</i> , 2021, 64, 85-95.	3.5	48
85	Three-Dimensional Carbon-Coated Treelike Ni ₃ S ₂ Superstructures on a Nickel Foam as Binder-Free Bifunctional Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 36018-36027.	4.0	44
86	Dodecahedron-Shaped Porous Vanadium Oxide and Carbon Composite for High-Rate Lithium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 17303-17311.	4.0	43
87	Continuous Size Tuning of Monodispersed ZnO Nanoparticles and Its Size Effect on the Performance of Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 9785-9794.	4.0	43
88	A novel anion-exchange strategy for constructing high performance PbS quantum dot-sensitized solar cells. <i>Nano Energy</i> , 2016, 30, 559-569.	8.2	40
89	Repairing Defects of Halide Perovskite Films To Enhance Photovoltaic Performance. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 37005-37013.	4.0	40
90	Improved charge generation and collection in dye-sensitized solar cells with modified photoanode surface. <i>Nano Energy</i> , 2014, 10, 353-362.	8.2	38

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91	Fabrication of hybrid Co ₃ O ₄ /NiCo ₂ O ₄ nanosheets sandwiched by nanoneedles for high-performance supercapacitors using a novel electrochemical ion exchange. <i>Science China Materials</i> , 2017, 60, 1168-1178.	3.5	38
92	Facile one-step fabrication of CdS _{0.12} Se _{0.88} quantum dots with a ZnSe/ZnS-passivation layer for highly efficient quantum dot sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9866-9873.	5.2	38
93	Boosting the cycling stability of hydrated vanadium pentoxide by Y ³⁺ pillaring for sodium-ion batteries. <i>Materials Today Energy</i> , 2019, 11, 218-227.	2.5	38
94	Sodium ion storage performance and mechanism in orthorhombic V ₂ O ₅ single-crystalline nanowires. <i>Science China Materials</i> , 2021, 64, 557-570.	3.5	36
95	In-situ fabrication of P3HT passivating layer with hole extraction ability for enhanced performance of perovskite solar cell. <i>Chemical Engineering Journal</i> , 2020, 402, 126152.	6.6	35
96	Carbon fabric supported 3D cobalt oxides/hydroxide nanosheet network as cathode for flexible all-solid-state asymmetric supercapacitor. <i>Dalton Transactions</i> , 2018, 47, 11503-11511.	1.6	34
97	Controlled crystallinity and morphologies of 2D Ruddlesden-Popper perovskite films grown without anti-solvent for solar cells. <i>Chemical Engineering Journal</i> , 2020, 394, 124959.	6.6	33
98	Nanoporous carbon leading to the high performance of a Na ₃ V ₂ O ₂ (PO ₄) ₂ F@carbon/graphene cathode in a sodium ion battery. <i>CrystEngComm</i> , 2017, 19, 4287-4293.	1.3	31
99	Surface Engineering of Quantum Dots for Remarkably High Detectivity Photodetectors. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 3285-3294.	2.1	31
100	Facile fabrication of interconnected-mesoporous T-Nb ₂ O ₅ nanofibers as anodes for lithium-ion batteries. <i>Science China Materials</i> , 2019, 62, 465-473.	3.5	31
101	Rational design of the pea-pod structure of SiO _x /C nanofibers as a high-performance anode for lithium ion batteries. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 1762-1769.	3.0	31
102	Self-templating synthesis of double-wall shelled vanadium oxide hollow microspheres for high-performance lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 6792-6799.	5.2	30
103	Towards a durable high performance anode material for lithium storage: stabilizing N-doped carbon encapsulated FeS nanosheets with amorphous TiO ₂ . <i>Journal of Materials Chemistry A</i> , 2019, 7, 16541-16552.	5.2	30
104	Interphases, Interfaces, and Surfaces of Active Materials in Rechargeable Batteries and Perovskite Solar Cells. <i>Advanced Materials</i> , 2021, 33, e1905245.	11.1	30
105	Band-structure tailoring and surface passivation for highly efficient near-infrared responsive PbS quantum dot photovoltaics. <i>Journal of Power Sources</i> , 2016, 333, 107-117.	4.0	29
106	Efficient band alignment for ZnxCd _{1-x} Se QD-sensitized TiO ₂ solar cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3669.	5.2	28
107	Revealing the impacts of metastable structure on the electrochemical properties: The case of MnS. <i>Journal of Power Sources</i> , 2019, 431, 75-83.	4.0	27
108	Novel synthesis of V ₂ O ₅ hollow microspheres for lithium ion batteries. <i>Science China Materials</i> , 2016, 59, 567-573.	3.5	26

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109	Amorphous NiWO ₄ Nanospheres with High-Conductivity and -Capacitive Performance for Supercapacitors. <i>Journal of Physical Chemistry C</i> , 2019, 123, 30067-30076.	1.5	26
110	Mesoporous Carbon Nanofibers Embedded with MoS ₂ Nanocrystals for Extraordinary Li ⁺ Ion Storage. <i>Chemistry - A European Journal</i> , 2015, 21, 18248-18257.	1.7	25
111	Microbelt-structured SnO ₂ @C as an advanced electrode with outstanding rate capability and high reversibility. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10523-10533.	5.2	25
112	Dual interface coupled molybdenum diselenide for high-performance sodium ion batteries and capacitors. <i>Journal of Power Sources</i> , 2020, 446, 227298.	4.0	25
113	Impact of sol aging on TiO ₂ compact layer and photovoltaic performance of perovskite solar cell. <i>Science China Materials</i> , 2016, 59, 710-718.	3.5	23
114	<i>In situ</i> formation of porous graphitic carbon wrapped MnO/Ni microsphere networks as binder-free anodes for high-performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 12316-12322.	5.2	23
115	Ultrathin ALD coating on TiO ₂ photoanodes with enhanced quantum dot loading and charge collection in quantum dots sensitized solar cells. <i>Science China Materials</i> , 2016, 59, 833-841.	3.5	21
116	Twin-nanoplate assembled hierarchical Ni/MnO porous microspheres as advanced anode materials for lithium-ion batteries. <i>Electrochimica Acta</i> , 2018, 259, 419-426.	2.6	20
117	Enhanced-performance of self-powered flexible quantum dot photodetectors by a double hole transport layer structure. <i>Nanoscale</i> , 2019, 11, 9626-9632.	2.8	18
118	Nearly monodisperse PbS quantum dots for highly efficient solar cells: an <i>in situ</i> seeded ion exchange approach. <i>Chemical Communications</i> , 2018, 54, 12598-12601.	2.2	17
119	Flexible all-solid-state ultrahigh-energy asymmetric supercapacitors based on tailored morphology of NiCoO ₂ /Ni(OH) ₂ /Co(OH) ₂ electrodes. <i>CrystEngComm</i> , 2018, 20, 6519-6528.	1.3	14
120	Impacts of Mn ion in ZnSe passivation on electronic band structure for high efficiency CdS/CdSe quantum dot solar cells. <i>Dalton Transactions</i> , 2018, 47, 9634-9642.	1.6	13
121	Fabrication of tunable aluminum nanodisk arrays <i>via</i> a self-assembly nanoparticle template method and their applications for performance enhancement in organic photovoltaics. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3649-3658.	5.2	9
122	Tunable engineering of photo- and electro-induced carrier dynamics in perovskite photoelectronic devices. <i>Science China Materials</i> , 2022, 65, 855-875.	3.5	9
123	Surface-defect passivation through complexation with organic molecules leads to enhanced power conversion efficiency and long term stability of perovskite photovoltaics. <i>Science China Materials</i> , 2020, 63, 479-480.	3.5	8
124	Electrocatalytic oxygen reduction reaction activity of KOH etched carbon films as metal-free cathodic catalysts for fuel cells. <i>RSC Advances</i> , 2019, 9, 2803-2811.	1.7	5