

# Tao Chen

## List of Publications by Year in descending order

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187  
papers

12,709  
citations

15466

65  
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27345

106  
g-index

190  
all docs

190  
docs citations

190  
times ranked

15388  
citing authors

#	ARTICLE	IF	CITATIONS
1	Oriented Organization of Poly(3-Hexylthiophene) for Efficient and Stable Antimony Sulfide Solar Cells. <i>Energy and Environmental Materials</i> , 2023, 6, .	7.3	2
2	Recent progress and perspectives on Sb <sub>2</sub> Se <sub>3</sub> -based photocathodes for solar hydrogen production via photoelectrochemical water splitting. <i>Journal of Energy Chemistry</i> , 2022, 67, 508-523.	7.1	85
3	Regulating Energy Band Alignment via Alkaline Metal Fluoride Assisted Solution Post-treatment Enabling Sb <sub>2</sub> (S,Se) <sub>3</sub> Solar Cells with 10.7% Efficiency. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	93
4	9.6%-Efficient all-inorganic Sb <sub>2</sub> (S,Se) <sub>3</sub> solar cells with a MnS hole-transporting layer. <i>Journal of Materials Chemistry A</i> , 2022, 10, 2835-2841.	5.2	19
5	Organic Chloride Salt Interfacial Modified Crystallization for Efficient Antimony Selenosulfide Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 4276-4284.	4.0	16
6	Distinctive Deep-Level Defects in Non-Stoichiometric Sb <sub>2</sub> Se <sub>3</sub> Photovoltaic Materials. <i>Advanced Science</i> , 2022, 9, e2105268.	5.6	34
7	Tuning the Interaction between Ruthenium Single Atoms and the Second Coordination Sphere for Efficient Nitrogen Photofixation. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	22
8	Dopant-free hole-transporting materials for stable Sb <sub>2</sub> (S,Se) <sub>3</sub> solar cells. <i>Chemical Communications</i> , 2022, 58, 4787-4790.	2.2	15
9	Tuning the Interaction between Ruthenium Single Atoms and the Second Coordination Sphere for Efficient Nitrogen Photofixation (Adv. Funct. Mater. 12/2022). <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	0
10	An n type heterojunction enabling highly efficient carrier separation in inorganic solar cells. <i>Chinese Physics B</i> , 2022, 31, 038803.	0.7	2
11	Large-Area and Efficient Sky-Blue Perovskite Light-Emitting Diodes via Blade-Coating. <i>Advanced Materials</i> , 2022, 34, e2108939.	11.1	20
12	Step-by-Step Mechanism Insights into the TiO <sub>2</sub> /Ce <sub>2</sub> S <sub>3</sub> S-Scheme Photocatalyst for Enhanced Aniline Production with Water as a Proton Source. <i>ACS Catalysis</i> , 2022, 12, 164-172.	5.5	117
13	Chemical insight into the hydrothermal deposition of Sb <sub>2</sub> (S,Se) <sub>3</sub> towards delicate microstructure engineering. <i>Journal of Materials Chemistry A</i> , 2022, 10, 9892-9901.	5.2	16
14	Heteroepitaxial and homoepitaxial nucleation strategies to grow Sb <sub>2</sub> S <sub>3</sub> nanorod arrays and therefrom a derived gain of 7.18%-efficient Sb <sub>2</sub> (S,Se) <sub>3</sub> quasi-nanoarray heterojunction solar cells. <i>Applied Materials Today</i> , 2022, 27, 101487.	2.3	13
15	A Transparent, High-Performance, and Stable Sb <sub>2</sub> S <sub>3</sub> Photoanode Enabled by Heterojunction Engineering with Conjugated Polycarbazole Frameworks for Unbiased Photoelectrochemical Overall Water Splitting Devices. <i>Advanced Materials</i> , 2022, 34, e2200723.	11.1	30
16	Support Amorphization Engineering Regulates Single-Atom Ru as an Electron Pump for Nitrogen Photofixation. <i>ACS Catalysis</i> , 2022, 12, 8139-8146.	5.5	20
17	Dual effect of NH <sub>4</sub> F additive in the hydrothermal deposition of antimony selenosulfide thin film for high-performance solar cells. <i>Science China Materials</i> , 2022, 65, 3411-3417.	3.5	11
18	An Improbable Amino-Functionalized Fullerene Spacer Enables 2D/3D Hybrid Perovskite with Enhanced Electron Transport in Solar Cells. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	11

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19	Post-Treatment of TiO <sub>2</sub> Film Enables High-Quality Sb <sub>2</sub> Se <sub>3</sub> Film Deposition for Solar Cell Applications. ACS Applied Materials & Interfaces, 2022, 14, 33181-33190.	4.0	16
20	9.7%-efficient Sb <sub>2</sub> (S,Se) <sub>3</sub> solar cells with a dithieno[3,2- <i>b</i> ]:2,3-dipyrrrole-cored hole transporting material. Energy and Environmental Science, 2021, 14, 359-364.	15.6	70
21	Photophysical characteristics and photosensitizing abilities of thieno[3,2- <i>b</i> ]thiophene-Based photosensitizers for photovoltaic and photocatalytic applications. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 406, 112979.	2.0	6
22	Defect-Resolved Effective Majority Carrier Mobility in Highly Anisotropic Antimony Chalcogenide Thin-Film Solar Cells. Solar Rrl, 2021, 5, 2000693.	3.1	22
23	Efficient Sb <sub>2</sub> (S,Se) <sub>3</sub> Solar Modules Enabled by Hydrothermal Deposition. Solar Rrl, 2021, 5, 2000750.	3.1	11
24	Synthesis of Janus Au@BCP nanoparticles <i>via</i> UV light-initiated RAFT polymerization-induced self-assembly. Nanoscale Advances, 2021, 3, 347-352.	2.2	9
25	Sequential Coevaporation and Deposition of Antimony Selenosulfide Thin Film for Efficient Solar Cells. Advanced Materials, 2021, 33, e2006689.	11.1	33
26	Direct Hydrothermal Deposition of Antimony Triselenide Films for Efficient Planar Heterojunction Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 18856-18864.	4.0	48
27	Heterometallic Seed-Mediated Zinc Deposition on Inkjet Printed Silver Nanoparticles Toward Foldable and Heat-Resistant Zinc Batteries. Advanced Functional Materials, 2021, 31, 2101607.	7.8	109
28	Revealing composition and structure dependent deep-level defect in antimony trisulfide photovoltaics. Nature Communications, 2021, 12, 3260.	5.8	113
29	Deep-Level Transient Spectroscopy for Effective Passivator Selection in Perovskite Solar Cells to Attain High Efficiency over 23%. ChemSusChem, 2021, 14, 3182-3189.	3.6	24
30	Dendrite-Free Anodes Enabled by a Composite of a ZnAl Alloy with a Copper Mesh for High-Performing Aqueous Zinc-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 28129-28139.	4.0	47
31	Engineering microstructures for efficient Sb <sub>2</sub> (S <sub>x</sub> Se <sub>1-x</sub> ) <sub>3</sub> solar cells. Applied Physics Letters, 2021, 118, 043101.	2.0	4
32	Nanoarray heterojunction and its efficient solar cells without negative impact of photogenerated electric field. Communications Physics, 2021, 4, .	2.0	11
33	Solution-Processed Compact Sb <sub>2</sub> S <sub>3</sub> Thin Films by a Facile One-Step Deposition Method for Efficient Solar Cells. Solar Rrl, 2021, 5, 2100666.	3.1	16
34	CsPbBr <sub>3</sub> Nanocrystal Induced Bilateral Interface Modification for Efficient Planar Perovskite Solar Cells. Advanced Science, 2021, 8, e2102648.	5.6	92
35	Efficient coaxial n-i-p heterojunction Sb <sub>2</sub> S <sub>3</sub> solar cells. Journal Physics D: Applied Physics, 2021, 54, 134001.	1.3	12
36	Solution processed AgSbS <sub>2</sub> film for efficient planar heterojunction solar cells. Applied Physics Letters, 2021, 119, .	1.5	13

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37	Gold atom diffusion assisted thermal healing enabling high-performance hole-transporting material in solar cells. <i>Applied Physics Letters</i> , 2021, 119, .	1.5	4
38	Bulk heterojunction gifts bismuth-based lead-free perovskite solar cells with record efficiency. <i>Nano Energy</i> , 2020, 68, 104362.	8.2	102
39	Perovskite Quantum Dots Exhibiting Strong Hole Extraction Capability for Efficient Inorganic Thin Film Solar Cells. <i>Cell Reports Physical Science</i> , 2020, 1, 100001.	2.8	28
40	Probing the trap states in $\text{Sb}_2(\text{S,Se})_3$ solar cells by deep-level transient spectroscopy. <i>Journal of Chemical Physics</i> , 2020, 153, 124703.	1.2	16
41	Hydrothermal deposition of antimony selenosulfide thin films enables solar cells with 10% efficiency. <i>Nature Energy</i> , 2020, 5, 587-595.	19.8	338
42	Aqueous solution processed $\text{MoS}_3$ as an eco-friendly hole-transport layer for all-inorganic $\text{Sb}_2\text{Se}_3$ solar cells. <i>Chemical Communications</i> , 2020, 56, 15173-15176.	2.2	10
43	Manipulating the Electrical Properties of $\text{Sb}_2(\text{S,Se})_3$ Film for High Efficiency Solar Cell. <i>Advanced Energy Materials</i> , 2020, 10, 2002341.	10.2	137
44	$\text{Sb}_2\text{S}_3$ Seed-Mediated Growth of Low-Defect $\text{Sb}_2\text{S}_3$ on a $\text{TiO}_2$ Substrate for Efficient Solar Cells. <i>ACS Applied Energy Materials</i> , 2020, 3, 12417-12422.	2.5	26
45	Macroscopic Orientational Gold Nanorods Monolayer Film with Excellent Photothermal Anticounterfeiting Performance. <i>Advanced Optical Materials</i> , 2020, 8, 1902082.	3.6	33
46	Controllable growth and flexible optoelectronic devices of regularly-assembled $\text{Bi}_2\text{S}_3$ semiconductor nanowire bifurcated junctions and crosslinked networks. <i>Nano Research</i> , 2020, 13, 2226-2232.	5.8	16
47	Efficient defect passivation of $\text{Sb}_2\text{Se}_3$ film by tellurium doping for high performance solar cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 6510-6516.	5.2	48
48	Water Additive Enhanced Solution Processing of Alloy $\text{Sb}_2(\text{S}_x\text{Se}_{3-x})_3$ -Based Solar Cells. <i>Solar Rrl</i> , 2020, 4, 1900582.	3.1	38
49	All Antimony Chalcogenide Tandem Solar Cell. <i>Solar Rrl</i> , 2020, 4, 2000048.	3.1	38
50	Pulsed laser deposition of antimony selenosulfide thin film for efficient solar cells. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	16
51	Tunable Mie Resonances of Tin-based Iodide Perovskite Islandlike Films with Enhanced Infrared Photoluminescence. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 3332-3338.	2.1	8
52	Dendrite-Free and Stable Lithium Metal Anodes Enabled by an Antimony-Based Lithiophilic Interphase. <i>Chemistry of Materials</i> , 2019, 31, 7565-7573.	3.2	73
53	Chelation-assisted formation of multi-yolk-shell $\text{Co}_4\text{N}$ @carbon nanoboxes for self-discharge-suppressed high-performance $\text{LiSeS}_2$ batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20302-20309.	5.2	29
54	Ultrafast self-trapping of photoexcited carriers sets the upper limit on antimony trisulfide photovoltaic devices. <i>Nature Communications</i> , 2019, 10, 4540.	5.8	117

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55	Nitrogen-Doped Nickel Oxide as Hole Transport Layer for High-Efficiency Inverted Planar Perovskite Solar Cells. <i>Solar Rrl</i> , 2019, 3, 1900164.	3.1	29
56	Solution-Processed In Situ Growth of $\text{CuInS}_2$ Nanoparticle Films for Efficient Planar Heterojunction Solar Cells with a Dual Nature of Charge Generation. <i>ACS Applied Energy Materials</i> , 2019, 2, 5231-5242.	2.5	29
57	Intermetallic SnSb nanodots embedded in carbon nanotubes reinforced nanofabric electrodes with high reversibility and rate capability for flexible Li-ion batteries. <i>Nanoscale</i> , 2019, 11, 13282-13288.	2.8	27
58	All-polymer particulate slurry batteries. <i>Nature Communications</i> , 2019, 10, 2513.	5.8	91
59	van der Waals Epitaxial Growth and Interfacial Passivation of Two-Dimensional Single-Crystalline Few-Layer Gray Arsenic Nanoflakes. <i>Chemistry of Materials</i> , 2019, 31, 4524-4535.	3.2	41
60	High-performance Li-ion capacitor based on black-TiO <sub>2</sub> -x/graphene aerogel anode and biomass-derived microporous carbon cathode. <i>Nano Research</i> , 2019, 12, 1713-1719.	5.8	64
61	Oscillator strengths and integral cross sections of the $\tilde{A}^1_2 \leftarrow \tilde{X}^1_1$ excitation of ammonia studied by fast electron impact. <i>Journal of Chemical Physics</i> , 2019, 150, 064311.	1.2	5
62	Low-Temperature In Situ Amino Functionalization of TiO <sub>2</sub> Nanoparticles Sharpens Electron Management Achieving over 21% Efficient Planar Perovskite Solar Cells. <i>Advanced Materials</i> , 2019, 31, e1806095.	11.1	194
63	Composition engineering of Sb <sub>2</sub> S <sub>3</sub> film enabling high performance solar cells. <i>Science Bulletin</i> , 2019, 64, 136-141.	4.3	41
64	Over 6% Certified Sb <sub>2</sub> (S,Se) <sub>3</sub> Solar Cells Fabricated via In Situ Hydrothermal Growth and Postselenization. <i>Advanced Electronic Materials</i> , 2019, 5, 1800683.	2.6	78
65	A thiol-amine mixture for metal oxide towards device quality metal chalcogenides. <i>Science China Materials</i> , 2019, 62, 899-906.	3.5	10
66	Interfacial Engineering by Indium-Doped CdS for High Efficiency Solution Processed Sb <sub>2</sub> (S,Se) <sub>3</sub> Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 3207-3213.	4.0	59
67	Alkali Metals Doping for High-Performance Planar Heterojunction Sb <sub>2</sub> S <sub>3</sub> Solar Cells. <i>Solar Rrl</i> , 2019, 3, 1800272.	3.1	94
68	Interfacial engineering for high efficiency solution processed Sb <sub>2</sub> Se <sub>3</sub> solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2019, 189, 5-10.	3.0	85
69	Coaxial MnO <sub>2</sub> /Nanoshell/CNFs Composite Film Anode for High-Performance Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2018, 165, A487-A492.	1.3	12
70	Functionalized Imidazole-Fused Porphyrin-Donor-Based Dyes: Effect of Linker and Acceptor on Optoelectronic and Photovoltaic Properties. <i>ChemistrySelect</i> , 2018, 3, 2558-2564.	0.7	11
71	Direct solution deposition of device quality Sb <sub>2</sub> S <sub>3</sub> -xSex films for high efficiency solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2018, 183, 52-58.	3.0	72
72	Strong Capillarity, Chemisorption, and Electrocatalytic Capability of Crisscrossed Nanostraws Enabled Flexible, High-Rate, and Long-Cycling Lithium-Sulfur Batteries. <i>ACS Nano</i> , 2018, 12, 4868-4876.	7.3	222

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73	Phosphotungstic Acid Regulated Chemical Bath Deposition of Sb <sub>2</sub> S <sub>3</sub> for High-Efficiency Planar Heterojunction Solar Cell. Energy Technology, 2018, 6, 2126-2131.	1.8	18
74	Oscillator strengths and integral cross sections for the valence-shell excitations of nitric oxide studied by fast electron impact. Journal of Chemical Physics, 2018, 148, 044311.	1.2	9
75	Interface Engineering of Anchored Ultrathin TiO <sub>2</sub> /MoS <sub>2</sub> Heterolayers for Highly-Efficient Electrochemical Hydrogen Production. ACS Applied Materials & Interfaces, 2018, 10, 6084-6089.	4.0	47
76	Phase Engineering of Perovskite Materials for High-Efficiency Solar Cells: Rapid Conversion of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> to Phase-Pure CH <sub>3</sub> NH <sub>3</sub> PbCl <sub>3</sub> via Hydrochloric Acid Vapor Annealing Post-Treatment. ACS Applied Materials & Interfaces, 2018, 10, 1897-1908.	4.0	62
77	Walnut-Like Multicore-Shell MnO Encapsulated Nitrogen-Rich Carbon Nanocapsules as Anode Material for Long-Cycling and Soft-Packed Lithium-Ion Batteries. Advanced Functional Materials, 2018, 28, 1800003.	7.8	191
78	Development of antimony sulfide-selenide Sb <sub>2</sub> (S, Se) <sub>3</sub> -based solar cells. Journal of Energy Chemistry, 2018, 27, 713-721.	7.1	166
79	Integrated perovskite solar capacitors with high energy conversion efficiency and fast photo-charging rate. Journal of Materials Chemistry A, 2018, 6, 2047-2052.	5.2	85
80	Sequential deposition route to efficient Sb <sub>2</sub> S <sub>3</sub> solar cells. Journal of Materials Chemistry A, 2018, 6, 21320-21326.	5.2	46
81	Atomic Substitution Enabled Synthesis of Vacancy-Rich Two-Dimensional Black TiO <sub>2</sub> Nanoflakes for High-Performance Rechargeable Magnesium Batteries. ACS Nano, 2018, 12, 12492-12502.	7.3	116
82	Efficient Perovskite Solar Cells with Titanium Cathode Interlayer (Solar RRL 11 <sup>th</sup> 2018). Solar Rrl, 2018, 2, 1870226.	3.1	1
83	Solution Processed Antimony Sulfide-Selenide [Sb <sub>2</sub> (S,Se) <sub>3</sub> ] for High Efficiency Solar Cells. , 2018, , .		1
84	Promising Sb <sub>2</sub> (S,Se) <sub>3</sub> Solar Cells with High Open Voltage by Application of a TiO <sub>2</sub> /CdS Double Buffer Layer. Solar Rrl, 2018, 2, 1800208.	3.1	83
85	Solution processed NiOx hole-transporting material for all-inorganic planar heterojunction Sb <sub>2</sub> S <sub>3</sub> solar cells. Solar Energy Materials and Solar Cells, 2018, 185, 542-548.	3.0	50
86	Highly Branched VS <sub>4</sub> Nanodendrites with 1D Atomic-Chain Structure as a Promising Cathode Material for Long-Cycling Magnesium Batteries. Advanced Materials, 2018, 30, e1802563.	11.1	187
87	V <sub>2</sub> O <sub>5</sub> as Hole Transporting Material for Efficient All Inorganic Sb <sub>2</sub> S <sub>3</sub> Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 27098-27105.	4.0	88
88	Aqueous-Solution-Based Approach Towards Carbon-Free Sb <sub>2</sub> S <sub>3</sub> Films for High Efficiency Solar Cells. ChemSusChem, 2018, 11, 3208-3214.	3.6	15
89	Vacuum assisted solution processing for highly efficient Sb <sub>2</sub> S <sub>3</sub> solar cells. Journal of Materials Chemistry A, 2018, 6, 16322-16327.	5.2	53
90	Investigations of the valence-shell excitations of molecular ethane by high-energy electron scattering. Journal of Chemical Physics, 2018, 148, 144313.	1.2	2

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91	Three-dimensional spongy framework as superlyophilic, strongly absorbing, and electrocatalytic polysulfide reservoir layer for high-rate and long-cycling lithium-sulfur batteries. Nano Research, 2018, 11, 6436-6446.	5.8	38
92	Efficient Perovskite Solar Cells with Titanium Cathode Interlayer. Solar Rrl, 2018, 2, 1800167.	3.1	16
93	n-Type Doping of Sb <sub>2</sub> S <sub>3</sub> Light-Harvesting Films Enabling High-Efficiency Planar Heterojunction Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 30314-30321.	4.0	103
94	Solution Processed Sb <sub>2</sub> (S, Se) <sub>3</sub> Solar Cells. , 2018, , .		0
95	Bottom-up synthesis of nitrogen-doped porous carbon scaffolds for lithium and sodium storage. Nanoscale, 2017, 9, 1972-1977.	2.8	42
96	A fast chemical approach towards Sb <sub>2</sub> S <sub>3</sub> film with a large grain size for high-performance planar heterojunction solar cells. Nanoscale, 2017, 9, 3386-3390.	2.8	145
97	Bis(phenothiazylâ€ethynylene)â€Based Organic Dyes Containing Diâ€Anchoring Groups with Efficiency Comparable to N719 for Dyeâ€Sensitized Solar Cells. Chemistry - an Asian Journal, 2017, 12, 332-340.	1.7	9
98	Seleniumâ€Graded Sb <sub>2</sub> (S <sub>1-x</sub> Se <sub>x</sub> ) <sub>3</sub> for Planar Heterojunction Solar Cell Delivering a Certified Power Conversion Efficiency of 5.71%. Solar Rrl, 2017, 1, 1700017.	3.1	82
99	Controlled growth and photoconductive properties of hexagonal SnS <sub>2</sub> nanoflakes with mesa-shaped atomic steps. Nano Research, 2017, 10, 1434-1447.	5.8	51
100	Highly Efficient Retention of Polysulfides in â€œSea Urchinâ€-Like Carbon Nanotube/Nanopolyhedra Superstructures as Cathode Material for Ultralong-Life Lithiumâ€Sulfur Batteries. Nano Letters, 2017, 17, 437-444.	4.5	223
101	Pine needle-derived microporous nitrogen-doped carbon frameworks exhibit high performances in electrocatalytic hydrogen evolution reaction and supercapacitors. Nanoscale, 2017, 9, 1237-1243.	2.8	154
102	Successive surface engineering of TiO <sub>2</sub> compact layers via dual modification of fullerene derivatives affording hysteresis-suppressed high-performance perovskite solar cells. Journal of Materials Chemistry A, 2017, 5, 1724-1733.	5.2	77
103	Self-Templated Formation of Interlaced Carbon Nanotubes Threaded Hollow Co <sub>3</sub> S <sub>4</sub> Nanoboxes for High-Rate and Heat-Resistant Lithiumâ€Sulfur Batteries. Journal of the American Chemical Society, 2017, 139, 12710-12715.	6.6	456
104	Cu <sub>2</sub> GeS <sub>3</sub> : a new hole transporting material for stable and efficient perovskite solar cells. Journal of Materials Chemistry A, 2017, 5, 19884-19891.	5.2	17
105	Nonconjugated Polymer Poly(vinylpyrrolidone) as an Efficient Interlayer Promoting Electron Transport for Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 32957-32964.	4.0	73
106	Porous-Shell Vanadium Nitride Nanobubbles with Ultrahigh Areal Sulfur Loading for High-Capacity and Long-Life Lithiumâ€Sulfur Batteries. Nano Letters, 2017, 17, 7839-7846.	4.5	206
107	Cerium Oxide Nanocrystal Embedded Bimodal Micromesoporous Nitrogen-Rich Carbon Nanospheres as Effective Sulfur Host for Lithiumâ€Sulfur Batteries. ACS Nano, 2017, 11, 7274-7283.	7.3	213
108	MoS <sub>2</sub> -Based Allâ€Purpose Fibrous Electrode and Selfâ€Powering Energy Fiber for Efficient Energy Harvesting and Storage. Advanced Energy Materials, 2017, 7, 1601208.	10.2	139

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109	Synthesis and Characterization of Phenothiazine-Based Platinum(II)-Acetylide Photosensitizers for Efficient Dye-Sensitized Solar Cells. <i>Chemistry - A European Journal</i> , 2016, 22, 3750-3757.	1.7	27
110	Photostability and Moisture Stability of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> -based Solar Cells by Ethyl Cellulose. <i>ChemPlusChem</i> , 2016, 81, 1292-1298.	1.3	23
111	Pitaya-like microspheres derived from Prussian blue analogues as ultralong-life anodes for lithium storage. <i>Journal of Materials Chemistry A</i> , 2016, 4, 15041-15048.	5.2	35
112	Hierarchical Ternary Carbide Nanoparticle/Carbon Nanotube-Inserted N-Doped Carbon Concave-Polyhedrons for Efficient Lithium and Sodium Storage. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 26834-26841.	4.0	52
113	Hierarchical porous nitrogen-rich carbon nanospheres with high and durable capabilities for lithium and sodium storage. <i>Nanoscale</i> , 2016, 8, 17911-17918.	2.8	57
114	Exceptionally Stable CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Films in Moderate Humid Environmental Condition. <i>Advanced Science</i> , 2016, 3, 1500262.	5.6	50
115	All-Inorganic Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , 2016, 138, 15829-15832.	6.6	899
116	Solution-Processable Ionic Liquid as an Independent or Modifying Electron Transport Layer for High-Efficiency Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 34464-34473.	4.0	111
117	In Situ Thermal Synthesis of Inlaid Ultrathin MoS <sub>2</sub> /Graphene Nanosheets as Electrocatalysts for the Hydrogen Evolution Reaction. <i>Chemistry of Materials</i> , 2016, 28, 5733-5742.	3.2	166
118	Investigation on a dopant-free hole transport material for perovskite solar cells. <i>RSC Advances</i> , 2016, 6, 69365-69369.	1.7	25
119	Acetate Salts as Nonhalogen Additives To Improve Perovskite Film Morphology for High-Efficiency Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 15333-15340.	4.0	56
120	Crystallinity and defect state engineering in organo-lead halide perovskite for high-efficiency solar cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 3806-3812.	5.2	76
121	Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> encapsulated flexible free-standing nanofabric cathodes for fast charging and long life-cycle lithium-ion batteries. <i>Nanoscale</i> , 2016, 8, 7408-7415.	2.8	49
122	Molecular engineering of starburst triarylamine donor with selenophene containing I <sup>-</sup> -linker for dye-sensitized solar cells. <i>Journal of Materials Chemistry C</i> , 2016, 4, 713-726.	2.7	23
123	Synthesis of tunable-band-gap "Open-Box" halide perovskites by use of anion exchange and internal dissolution procedures. <i>Journal of Colloid and Interface Science</i> , 2016, 461, 162-167.	5.0	2
124	Co-sensitization of 3D bulky phenothiazine-cored photosensitizers with planar squaraine dyes for efficient dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13848-13855.	5.2	52
125	Elucidating the Reaction Pathways in the Synthesis of Organolead Trihalide Perovskite for High-Performance Solar Cells. <i>Scientific Reports</i> , 2015, 5, 10557.	1.6	48
126	Ruthenium-Based Photosensitizers for Dye-Sensitized Solar Cells. <i>Green Chemistry and Sustainable Technology</i> , 2015, , 91-114.	0.4	9



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127	Light-Triggered Reversible Self-Assembly of Gold Nanoparticle Oligomers for Tunable SERS. <i>Langmuir</i> , 2015, 31, 1164-1171.	1.6	101
128	Novel D- $\pi$ -A organic sensitizers containing diarylmethylene-bridged triphenylamine and different spacers for solar cell application. <i>Tetrahedron Letters</i> , 2015, 56, 1233-1238.	0.7	24
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