

# Zhiqun Lin

## List of Publications by Year in descending order

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410  
papers

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2215  
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442  
docs citations

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times ranked

32789  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymers in Lithium–Sulfur Batteries. <i>Advanced Science</i> , 2022, 9, e2103798.	11.2	56
2	Self-assembly of block copolymers for biological applications. <i>Polymer International</i> , 2022, 71, 366-370.	3.1	13
3	Heteroatom-doped graphene-based electrocatalysts for ORR, OER, and HER. , 2022, , 145-168.		1
4	Semiconducting Spaghetti-like Organic–Inorganic Nanojunctions via Sequential Self-Assembly of Conjugated Polymers and Quantum Dots. <i>Chemistry of Materials</i> , 2022, 34, 847-853.	6.7	6
5	Heterostructured ferroelectric BaTiO <sub>3</sub> @MOF-Fe/Co electrocatalysts for efficient oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2022, 10, 5350-5360.	10.3	20
6	General synthesis of high-entropy alloy and ceramic nanoparticles in nanoseconds. , 2022, 1, 138-146.		91
7	Colloidal Inorganic Ligand-Capped Nanocrystals: Fundamentals, Status, and Insights into Advanced Functional Nanodevices. <i>Chemical Reviews</i> , 2022, 122, 4091-4162.	47.7	52
8	Recent progress and perspectives on single-atom catalysis. <i>Journal of Materials Chemistry A</i> , 2022, 10, 5670-5672.	10.3	15
9	Monolithic Perovskite Solar Capacitor Enabled by Double-Sided TiO <sub>2</sub> Nanotube Arrays. <i>ACS Energy Letters</i> , 2022, 7, 1260-1265.	17.4	15
10	Ternary Biocidal-Photocatalytic-Upconverting Nanocomposites for Enhanced Antibacterial Activity. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 4741-4749.	6.7	11
11	Unraveling the Electronic Heterogeneity and Inhomogeneity in Individual Perovskite CsPbBr <sub>3</sub> Nanowires. <i>ACS Applied Energy Materials</i> , 2022, 5, 4431-4438.	5.1	0
12	Template-Assisted Colloidal Synthesis of Plasmonic Nanocrystals. , 2022, , 235-304.		0
13	Rapid Meniscus-Assisted Solution-Printing of Conjugated Block Copolymers for Field-Effect Transistors ( <i>Adv. Funct. Mater.</i> 14/2022). <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	0
14	Rapid Meniscus-Assisted Solution-Printing of Conjugated Block Copolymers for Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	5
15	Ultrastable highly-emissive amphiphilic perovskite nanocrystal composites via the synergy of polymer-grafted silica nanoreactor and surface ligand engineering for white light-emitting diode. <i>Nano Energy</i> , 2022, 98, 107321.	16.0	7
16	Efficient interconnecting layers in monolithic all-perovskite tandem solar cells. <i>Energy and Environmental Science</i> , 2022, 15, 3152-3170.	30.8	26
17	Advancing Performance and Unfolding Mechanism of Lithium and Sodium Storage in SnO <sub>2</sub> via Precision Synthesis of Monodisperse PEG-Ligated Nanoparticles. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	34
18	Necklace-Like Nanostructures: From Fabrication, Properties to Applications. <i>Advanced Materials</i> , 2022, 34, .	21.0	8

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19	Unfolding the cocrystallizationâ€“charge transport correlation in all-conjugated triblock copolymers via meticulous molecular engineering for organic field-effect transistors. Nano Energy, 2022, 100, 107489.	16.0	5
20	Tailoring Charge Separation at Meticulously Engineered Conjugated Polymer/Perovskite Quantum Dot Interface for Photocatalyzing Atom Transfer Radical Polymerization. Journal of the American Chemical Society, 2022, 144, 12901-12914.	13.7	24
21	Transforming Polymorphs <i>via</i> Meniscus-Assisted Solution-Shearing Conjugated Polymers for Organic Field-Effect Transistors. ACS Nano, 2022, 16, 11194-11203.	14.6	18
22	Tailoring Optical Properties of Luminescent Semiconducting Nanocrystals through Hydrostatic, Anisotropic Static, and Dynamic Pressures. Angewandte Chemie - International Edition, 2021, 60, 9772-9788.	13.8	11
23	A ZIF-triggered rapid polymerization of dopamine renders Co/N-codoped cage-in-cage porous carbon for highly efficient oxygen reduction and evolution. Nano Energy, 2021, 79, 105487.	16.0	99
24	Simultaneously Crafting Singleâ€“Atomic Fe Sites and Graphitic Layerâ€“Wrapped Fe<sub>3</sub>C Nanoparticles Encapsulated within Mesoporous Carbon Tubes for Oxygen Reduction. Advanced Functional Materials, 2021, 31, 2009197.	14.9	112
25	Tailoring Optical Properties of Luminescent Semiconducting Nanocrystals through Hydrostatic, Anisotropic Static, and Dynamic Pressures. Angewandte Chemie, 2021, 133, 9856-9872.	2.0	0
26	Recent advances in polysaccharideâ€“based hydrogels for synthesis and applications. Aggregate, 2021, 2, e21.	9.9	102
27	Recent advances in activating surface reconstruction for the high-efficiency oxygen evolution reaction. Chemical Society Reviews, 2021, 50, 8428-8469.	38.1	452
28	Self-Assembly of Bolaamphiphiles into 2D Nanosheets <i>via</i> Synergistic and Meticulous Tailoring of Multiple Noncovalent Interactions. ACS Nano, 2021, 15, 3152-3160.	14.6	22
29	Conjugated cyclized-polyacrylonitrile encapsulated carbon nanotubes as coreâ€“sheath heterostructured anodes with favorable lithium storage. Journal of Materials Chemistry A, 2021, 9, 6962-6970.	10.3	21
30	Continuous production of ultrathin organicâ€“inorganic Ruddlesdenâ€“Popper perovskite nanoplatelets <i>via</i> a flow reactor. Nanoscale, 2021, 13, 13108-13115.	5.6	8
31	Enabling the Selective Detection of Endocrine-Disrupting Chemicals via Molecularly Surface-Imprinted â€œCoffee Ringsâ€“. Biomacromolecules, 2021, 22, 1523-1531.	5.4	6
32	Dualâ€“Protected Metal Halide Perovskite Nanosheets with an Enhanced Set of Stabilities. Angewandte Chemie - International Edition, 2021, 60, 7259-7266.	13.8	45
33	Dualâ€“Protected Metal Halide Perovskite Nanosheets with an Enhanced Set of Stabilities. Angewandte Chemie, 2021, 133, 7335-7342.	2.0	10
34	<i>Operando</i> unraveling photothermal-promoted dynamic active-sites generation in NiFe<sub>2</sub>O<sub>4</sub> for markedly enhanced oxygen evolution. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	107
35	One-dimensional hairy CNT/polymer/Au nanocomposites via ligating with amphiphilic crosslinkable block copolymers. Giant, 2021, 5, 100048.	5.1	7
36	General and Robust Photothermalâ€“Heatingâ€“Enabled Highâ€“Efficiency Photoelectrochemical Water Splitting. Advanced Materials, 2021, 33, e2004406.	21.0	104

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37	Recycling and recovery of perovskite solar cells. <i>Materials Today</i> , 2021, 43, 185-197.	14.2	58
38	Electrocatalysis: Simultaneously Crafting Single-Atomic Fe Sites and Graphitic Layer-Wrapped Fe <sub>3</sub> C Nanoparticles Encapsulated within Mesoporous Carbon Tubes for Oxygen Reduction (Adv. Funct. Mater. 10/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170064.	14.9	0
39	Recent Advances in Silicon-Based Electrodes: From Fundamental Research toward Practical Applications. <i>Advanced Materials</i> , 2021, 33, e2004577.	21.0	168
40	Silicon Anodes: Recent Advances in Silicon-Based Electrodes: From Fundamental Research toward Practical Applications (Adv. Mater. 16/2021). <i>Advanced Materials</i> , 2021, 33, 2170124.	21.0	3
41	Rechargeable Zn-Air Batteries with Outstanding Cycling Stability Enabled by Ultrafine FeNi Nanoparticles-Encapsulated N-Doped Carbon Nanosheets as a Bifunctional Electrocatalyst. <i>Nano Letters</i> , 2021, 21, 3098-3105.	9.1	95
42	Large-Scale Rapid Positioning of Hierarchical Assemblies of Conjugated Polymers via Meniscus-Assisted Self-Assembly. <i>Angewandte Chemie</i> , 2021, 133, 11857-11863.	2.0	4
43	Large-Scale Rapid Positioning of Hierarchical Assemblies of Conjugated Polymers via Meniscus-Assisted Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11751-11757.	13.8	14
44	Water treatment via non-membrane inorganic nanoparticles/cellulose composites. <i>Materials Today</i> , 2021, 50, 329-357.	14.2	32
45	Bottlebrush polymers: From controlled synthesis, self-assembly, properties to applications. <i>Progress in Polymer Science</i> , 2021, 116, 101387.	24.7	138
46	Recent Advances in Synthesis, Properties, and Applications of Metal Halide Perovskite Nanocrystals/Polymer Nanocomposites. <i>Advanced Materials</i> , 2021, 33, e2005888.	21.0	108
47	Polymer-Ligated Uniform Lead Chalcogenide Nanoparticles with Tunable Size and Robust Stability Enabled by Judiciously Designed Surface Chemistry. <i>Chemistry of Materials</i> , 2021, 33, 6701-6712.	6.7	6
48	Robust Molecular Dipole-Enabled Defect Passivation and Control of Energy Level Alignment for High-Efficiency Perovskite Solar Cells. <i>Angewandte Chemie</i> , 2021, 133, 17805-17811.	2.0	22
49	Robust Molecular Dipole-Enabled Defect Passivation and Control of Energy Level Alignment for High-Efficiency Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17664-17670.	13.8	69
50	Tailoring electrocatalytic activity of in situ crafted perovskite oxide nanocrystals via size and dopant control. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	22
51	Dynamic Chiro-Optics of Bio-Inorganic Nanomaterials via Seamless Co-Assembly of Semiconducting Nanorods and Polysaccharide Nanocrystals. <i>Advanced Functional Materials</i> , 2021, 31, 2104596.	14.9	27
52	Metal-organic frameworks-derived heteroatom-doped carbon electrocatalysts for oxygen reduction reaction. <i>Nano Energy</i> , 2021, 86, 106073.	16.0	107
53	Chain engineering of carbonyl polymers for sustainable lithium-ion batteries. <i>Materials Today</i> , 2021, 50, 170-198.	14.2	36
54	Lithium-Conducting Branched Polymers: New Paradigm of Solid-State Electrolytes for Batteries. <i>Nano Letters</i> , 2021, 21, 7435-7447.	9.1	47

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55	Two-Dimensional Polymers: Synthesis and Applications. ACS Applied Materials & Interfaces, 2021, 13, 45130-45138.	8.0	8
56	Robust wrinkled MoS <sub>2</sub> /N-C bifunctional electrocatalysts interfaced with single Fe atoms for wearable zinc-air batteries. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	122
57	Multifunctional quantum dot materials for perovskite solar cells: Charge transport, efficiency and stability. Nano Today, 2021, 40, 101286.	11.9	16
58	Tailoring oxygen evolution reaction activity of metal-oxide spinel nanoparticles <i>via</i> judiciously regulating surface-capping polymers. Journal of Materials Chemistry A, 2021, 9, 20375-20384.	10.3	14
59	Amorphous inorganic semiconductors for the development of solar cell, photoelectrocatalytic and photocatalytic applications. Chemical Society Reviews, 2021, 50, 6914-6949.	38.1	91
60	Closing the Anthropogenic Chemical Carbon Cycle toward a Sustainable Future via CO <sub>2</sub> Valorization. Advanced Energy Materials, 2021, 11, 2102767.	19.5	35
61	A multifunctional 2D black phosphorene-based platform for improved photovoltaics. Chemical Society Reviews, 2021, 50, 13346-13371.	38.1	25
62	Piezo-phototronic effect on photocatalysis, solar cells, photodetectors and light-emitting diodes. Chemical Society Reviews, 2021, 50, 13646-13691.	38.1	69
63	Bleifreie Halogenidâ€Perowskitâ€Nanokristalle: Kristallstrukturen, Synthese, StabilitÄten und optische Eigenschaften. Angewandte Chemie, 2020, 132, 1042-1059.	2.0	22
64	Leadâ€Free Halide Perovskite Nanocrystals: Crystal Structures, Synthesis, Stabilities, and Optical Properties. Angewandte Chemie - International Edition, 2020, 59, 1030-1046.	13.8	320
65	Unconventional Route to Oxygenâ€Vacancyâ€Enabled Highly Efficient Electron Extraction and Transport in Perovskite Solar Cells. Angewandte Chemie - International Edition, 2020, 59, 1611-1618.	13.8	104
66	Unconventional Route to Oxygenâ€Vacancyâ€Enabled Highly Efficient Electron Extraction and Transport in Perovskite Solar Cells. Angewandte Chemie, 2020, 132, 1628-1635.	2.0	34
67	SnO <sub>2</sub> as Advanced Anode of Alkaliâ€Ion Batteries: Inhibiting Sn Coarsening by Crafting Robust Physical Barriers, Void Boundaries, and Heterophase Interfaces for Superior Electrochemical Reaction Reversibility. Advanced Energy Materials, 2020, 10, 1902657.	19.5	71
68	Polymer-Ligated Nanocrystals Enabled by Nonlinear Block Copolymer Nanoreactors: Synthesis, Properties, and Applications. ACS Nano, 2020, 14, 12491-12521.	14.6	59
69	Stimuli-responsive Janus mesoporous nanosheets towards robust interfacial emulsification and catalysis. Materials Horizons, 2020, 7, 3242-3249.	12.2	29
70	Revealing Electricalâ€Polingâ€Induced Polarization Potential in Hybrid Perovskite Photodetectors. Advanced Materials, 2020, 32, e2005481.	21.0	23
71	Electronic structure engineering on two-dimensional (2D) electrocatalytic materials for oxygen reduction, oxygen evolution, and hydrogen evolution reactions. Nano Energy, 2020, 77, 105080.	16.0	157
72	Robust route to highly porous graphitic carbon nitride microtubes with preferred adsorption ability via rational design of one-dimension supramolecular precursors for efficient photocatalytic CO <sub>2</sub> conversion. Nano Energy, 2020, 77, 105104.	16.0	71

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73	Perovskite Solar Cells: Synergistic Cascade Carrier Extraction via Dual Interfacial Positioning of Ambipolar Black Phosphorene for High-Efficiency Perovskite Solar Cells (Adv. Mater. 28/2020). Advanced Materials, 2020, 32, 2070211.	21.0	1
74	Stable Infrared-Emitting Chemical Composition Gradient Quantum Dots for Down-Convertors and Photodetectors. ACS Applied Nano Materials, 2020, 3, 11335-11343.	5.0	3
75	Enabling flexible solid-state Zn batteries via tailoring sulfur deficiency in bimetallic sulfide nanotube arrays. Nano Energy, 2020, 77, 105165.	16.0	65
76	Large-Grained Perovskite Films Enabled by One-Step Meniscus-Assisted Solution Printing of Cross-Aligned Conductive Nanowires for Biodegradable Flexible Solar Cells. Advanced Energy Materials, 2020, 10, 2001185.	19.5	31
77	Sustainable Internal Electric Field for Enhanced Photocatalysis: From Material Design to Energy Utilization. Journal of Physical Chemistry Letters, 2020, 11, 7407-7416.	4.6	31
78	Carbon/Sulfur Aerogel with Adequate Mesoporous Channels as Robust Polysulfide Confinement Matrix for Highly Stable Lithium-Sulfur Battery. Nano Letters, 2020, 20, 7662-7669.	9.1	131
79	Anode Photovoltage Compensation-Enabled Synergistic CO <sub>2</sub> Photoelectrocatalytic Reduction on a Flower-Like Graphene-Decorated Cu Foam Cathode. Advanced Functional Materials, 2020, 30, 2005983.	14.9	36
80	Synthesis of Amphiphilic and Double Hydrophilic Star-like Block Copolymers and the Dual pH-Responsiveness of Unimolecular Micelle. Macromolecules, 2020, 53, 8286-8295.	4.8	15
81	Silk fibroin-derived nitrogen-doped carbon quantum dots anchored on TiO <sub>2</sub> nanotube arrays for heterogeneous photocatalytic degradation and water splitting. Nano Energy, 2020, 78, 105313.	16.0	100
82	Rapid Capillary-Assisted Solution Printing of Perovskite Nanowire Arrays Enables Scalable Production of Photodetectors. Angewandte Chemie, 2020, 132, 15052-15059.	2.0	1
83	A simple route to fiber-shaped heterojunctioned nanocomposites for knittable high-performance supercapacitors. Journal of Materials Chemistry A, 2020, 8, 11589-11597.	10.3	15
84	Rapid Capillary-Assisted Solution Printing of Perovskite Nanowire Arrays Enables Scalable Production of Photodetectors. Angewandte Chemie - International Edition, 2020, 59, 14942-14949.	13.8	36
85	Synergistic Cascade Carrier Extraction via Dual Interfacial Positioning of Ambipolar Black Phosphorene for High-Efficiency Perovskite Solar Cells. Advanced Materials, 2020, 32, e2000999.	21.0	104
86	Doping and ion substitution in colloidal metal halide perovskite nanocrystals. Chemical Society Reviews, 2020, 49, 4953-5007.	38.1	269
87	Strongly-ligated perovskite quantum dots with precisely controlled dimensions and architectures for white light-emitting diodes. Nano Energy, 2020, 77, 105043.	16.0	52
88	Dual-Shelled Multidoped Hollow Carbon Nanocages with Hierarchical Porosity for High-Performance Oxygen Reduction Reaction in Both Alkaline and Acidic Media. Nano Letters, 2020, 20, 5639-5645.	9.1	98
89	Nanostructured photocatalysts for nitrogen fixation. Nano Energy, 2020, 71, 104645.	16.0	120
90	Simple route to interconnected, hierarchically structured, porous Zn <sub>2</sub> SnO <sub>4</sub> nanospheres as electron transport layer for efficient perovskite solar cells. Nano Energy, 2020, 71, 104620.	16.0	59

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91	Frontispiz: Unconventional Route to Oxygenâ€Vacancyâ€Enabled Highly Efficient Electron Extraction and Transport in Perovskite Solar Cells. Angewandte Chemie, 2020, 132, .	2.0	0
92	Tailoring carrier dynamics in perovskite solar cells <i>via</i> precise dimension and architecture control and interfacial positioning of plasmonic nanoparticles. Energy and Environmental Science, 2020, 13, 1743-1752.	30.8	63
93	Vertically aligned VS<sub>2</sub> on graphene as a 3D heteroarchitected anode material with capacitance-dominated lithium storage. Journal of Materials Chemistry A, 2020, 8, 5882-5889.	10.3	68
94	Vertically-aligned Pt-decorated MoS2 nanosheets coated on TiO2 nanotube arrays enable high-efficiency solar-light energy utilization for photocatalysis and self-cleaning SERS devices. Nano Energy, 2020, 71, 104579.	16.0	92
95	A Facile and Highly Efficient Route to Amphiphilic Starâ€Like Rodâ€Coil Block Copolymer via a Combination of Atom Transfer Radical Polymerization with Thiolâ€Ene Click Chemistry. Macromolecular Rapid Communications, 2020, 41, e1900540.	3.9	11
96	Emerging covalent organic frameworks tailored materials for electrocatalysis. Nano Energy, 2020, 70, 104525.	16.0	143
97	Frontispiece: Unconventional Route to Oxygenâ€Vacancyâ€Enabled Highly Efficient Electron Extraction and Transport in Perovskite Solar Cells. Angewandte Chemie - International Edition, 2020, 59, .	13.8	1
98	Unraveling Temperatureâ€Dependent Contact Electrification between Slidingâ€Mode Triboelectric Pairs. Advanced Functional Materials, 2020, 30, 1909384.	14.9	42
99	Possible Charge-Transfer-Induced Conductivity Enhancement in TiO<sub>2</sub> Microtubes Decorated with Perovskite CsPbBr<sub>3</sub> Nanocrystals. Langmuir, 2020, 36, 5408-5416.	3.5	5
100	Advanced Matrixes for Binderâ€Free Nanostructured Electrodes in Lithiumâ€Ion Batteries. Advanced Materials, 2020, 32, e1908445.	21.0	108
101	Thermodynamic Routes to Ultralow Thermal Conductivity and High Thermoelectric Performance. Advanced Materials, 2020, 32, e1906457.	21.0	71
102	Alkaliâ€Ion Batteries: SnO<sub>2</sub> as Advanced Anode of Alkaliâ€Ion Batteries: Inhibiting Sn Coarsening by Crafting Robust Physical Barriers, Void Boundaries, and Heterophase Interfaces for Superior Electrochemical Reaction Reversibility (Adv. Energy Mater. 6/2020). Advanced Energy Materials, 2020, 10, 2070027.	19.5	2
103	Tailoring interfacial carrier dynamics <i>via</i> rationally designed uniform CsPbBr<sub>x</sub>I<sub>3âˆ’x</sub> quantum dots for high-efficiency perovskite solar cells. Journal of Materials Chemistry A, 2020, 8, 26098-26108.	10.3	15
104	Achieving Efficient Incorporation of Î€â€Electrons into Graphitic Carbon Nitride for Markedly Improved Hydrogen Generation. Angewandte Chemie, 2019, 131, 2007-2011.	2.0	51
105	The charge carrier dynamics, efficiency and stability of two-dimensional material-based perovskite solar cells. Chemical Society Reviews, 2019, 48, 4854-4891.	38.1	139
106	Control of Whispering Gallery Modes and PT-Symmetry Breaking in Colloidal Quantum Dot Microdisk Lasers with Engineered Notches. Nano Letters, 2019, 19, 6049-6057.	9.1	13
107	Multi-functional PEDOT-engineered sodium titanate nanowires for sodiumâ€ion batteries with synchronous improvements in rate capability and structural stability. Journal of Materials Chemistry A, 2019, 7, 19241-19247.	10.3	28
108	Resolving Optical and Catalytic Activities in Thermoresponsive Nanoparticles by Permanent Ligation with Temperatureâ€Sensitive Polymers. Angewandte Chemie, 2019, 131, 12036-12043.	2.0	7



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109	Enabling highly efficient photocatalytic hydrogen generation and organics degradation via a perovskite solar cell-assisted semiconducting nanocomposite photoanode. Journal of Materials Chemistry A, 2019, 7, 165-171.	10.3	33
110	Polar Organic Solvent-Tolerant Perovskite Nanocrystals Permanently Ligated with Polymer Hairs via Star-like Molecular Bottlebrush Trilobe Nanoreactors. Nano Letters, 2019, 19, 9019-9028.	9.1	70
111	Rapid Route to Polar Solvent-Directed Growth of Perovskite Nanowires. ACS Applied Nano Materials, 2019, 2, 7910-7915.	5.0	9
112	A facile solvothermal polymerization approach to thermoplastic polymer-based nanocomposites as alternative anodes for high-performance lithium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 23019-23027.	10.3	24
113	Barium titanate at the nanoscale: controlled synthesis and dielectric and ferroelectric properties. Chemical Society Reviews, 2019, 48, 1194-1228.	38.1	250
114	Realizing Efficient Incorporation of $\pi$ -Electrons into Graphitic Carbon Nitride for Markedly Improved Hydrogen Generation (Angew. Chem. 7/2019). Angewandte Chemie, 2019, 131, 2178-2178.	2.0	2
115	Crafting Mussel-Inspired Metal Nanoparticle-Decorated Ultrathin Graphitic Carbon Nitride for the Degradation of Chemical Pollutants and Production of Chemical Resources. Advanced Materials, 2019, 31, e1806314.	21.0	239
116	Hierarchically porous CuO nano-labyrinths as binder-free anodes for long-life and high-rate lithium ion batteries. Nano Energy, 2019, 59, 229-236.	16.0	67
117	Contact-Electrification between Two Identical Materials: Curvature Effect. ACS Nano, 2019, 13, 2034-2041.	14.6	78
118	Spatially Ordered Poly(3-hexylthiophene) Fibril Nanostructures via Controlled Evaporative Self-Assembly. Advanced Materials Technologies, 2019, 4, 1800554.	5.8	12
119	A Robust Route to $\text{Co}_2(\text{OH})_2\text{CO}_3$ Ultrathin Nanosheets with Superior Lithium Storage Capability Templated by Aspartic Acid-Functionalized Graphene Oxide. Advanced Energy Materials, 2019, 9, 1901093.	19.5	94
120	Recent advances in metal sulfides: from controlled fabrication to electrocatalytic, photocatalytic and photoelectrochemical water splitting and beyond. Chemical Society Reviews, 2019, 48, 4178-4280.	38.1	810
121	Comparison of Octahedral and Spherical Nanoparticles for Plasmonics. IEEE Photonics Journal, 2019, 11, 1-6.	2.0	3
122	Enabling Tailorable Optical Properties and Markedly Enhanced Stability of Perovskite Quantum Dots by Permanently Ligating with Polymer Hairs. Advanced Materials, 2019, 31, e1901602.	21.0	119
123	Resolving Optical and Catalytic Activities in Thermoresponsive Nanoparticles by Permanent Ligation with Temperature-Sensitive Polymers. Angewandte Chemie - International Edition, 2019, 58, 11910-11917.	13.8	80
124	Robust lasing modes in coupled colloidal quantum dot microdisk pairs using a non-Hermitian exceptional point. Nature Communications, 2019, 10, 561.	12.8	32
125	Engineered "coffee-rings" of reduced graphene oxide as ultrathin contact guidance to enable patterning of living cells. Materials Horizons, 2019, 6, 1066-1079.	12.2	35
126	Hybrid Organic-Inorganic Thermoelectric Materials and Devices. Angewandte Chemie - International Edition, 2019, 58, 15206-15226.	13.8	138



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127	Unconventional route to dual-shelled organolead halide perovskite nanocrystals with controlled dimensions, surface chemistry, and stabilities. <i>Science Advances</i> , 2019, 5, eaax4424.	10.3	116
128	Enabling PIEZOpotential in PIEZOelectric Semiconductors for Enhanced Catalytic Activities. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7526-7536.	13.8	234
129	Enabling PIEZOpotential in PIEZOelectric Semiconductors for Enhanced Catalytic Activities. <i>Angewandte Chemie</i> , 2019, 131, 7606-7616.	2.0	28
130	Heteroatomâ€Doped Porous Carbon Materials with Unprecedented High Volumetric Capacitive Performance. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2397-2401.	13.8	178
131	Photo-activated bimorph composites of Kapton and liquid-crystalline polymer towards biomimetic circadian rhythms of <i>Albizia julibrissin</i> leaves. <i>Journal of Materials Chemistry C</i> , 2019, 7, 622-629.	5.5	57
132	Heteroatomâ€Doped Porous Carbon Materials with Unprecedented High Volumetric Capacitive Performance. <i>Angewandte Chemie</i> , 2019, 131, 2419-2423.	2.0	34
133	Achieving Efficient Incorporation of ĨĖElectrons into Graphitic Carbon Nitride for Markedly Improved Hydrogen Generation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1985-1989.	13.8	199
134	Scrutinizing Defects and Defect Density of Seleniumâ€Doped Graphene for Highâ€Efficiency Triiodide Reduction in Dyeâ€Sensitized Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4682-4686.	13.8	155
135	Scrutinizing Defects and Defect Density of Seleniumâ€Doped Graphene for Highâ€Efficiency Triiodide Reduction in Dyeâ€Sensitized Solar Cells. <i>Angewandte Chemie</i> , 2018, 130, 4772-4776.	2.0	28
136	Robust SnO <sub>2</sub> Nanoparticleâ€Impregnated Carbon Nanofibers with Outstanding Electrochemical Performance for Advanced Sodiumâ€Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8901-8905.	13.8	252
137	Light-enabled reversible self-assembly and tunable optical properties of stable hairy nanoparticles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E1391-E1400.	7.1	106
138	Artificial Photosynthesis: Taking a Big Leap for Powering the Earth by Harnessing Solar Energy. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1700451.	2.3	10
139	Lightâ€Driven Shapeâ€Memory Porous Films with Precisely Controlled Dimensions. <i>Angewandte Chemie</i> , 2018, 130, 2161-2165.	2.0	14
140	Durable and Efficient Hollow Porous Oxide Spinel Microspheres for Oxygen Reduction. <i>Joule</i> , 2018, 2, 337-348.	24.0	189
141	Convenient and Robust Route to Photoswitchable Hierarchical Liquid Crystal Polymer Stripes via Flow-Enabled Self-Assembly. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 4961-4970.	8.0	29
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