

Zhiqun Lin

List of Publications by Year in descending order

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410
papers

33,125
citations

2215
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citing authors

#	ARTICLE	IF	CITATIONS
1	Noble metal-free metal oxide nanohybrids with tailored nanostructures for efficient solar energy conversion, photocatalysis and environmental remediation. <i>Energy and Environmental Science</i> , 2017, 10, 402-434.	30.8	820
2	Recent advances in metal sulfides: from controlled fabrication to electrocatalytic, photocatalytic and photoelectrochemical water splitting and beyond. <i>Chemical Society Reviews</i> , 2019, 48, 4178-4280.	38.1	810
3	Recent advances in dye-sensitized solar cells: from photoanodes, sensitizers and electrolytes to counter electrodes. <i>Materials Today</i> , 2015, 18, 155-162.	14.2	609
4	High-Efficiency Photoelectrocatalytic Hydrogen Generation Enabled by Palladium Quantum Dots-Sensitized TiO ₂ Nanotube Arrays. <i>Journal of the American Chemical Society</i> , 2012, 134, 15720-15723.	13.7	571
5	High-Efficiency Heterojunction photoelectrodes composed of Cu ₂ O-loaded TiO ₂ nanotube arrays with enhanced photoelectrochemical and photoelectrocatalytic activities. <i>Energy and Environmental Science</i> , 2013, 6, 1211.	30.8	483
6	Inorganic-modified semiconductor TiO ₂ nanotube arrays for photocatalysis. <i>Energy and Environmental Science</i> , 2014, 7, 2182-2202.	30.8	461
7	Recent advances in activating surface reconstruction for the high-efficiency oxygen evolution reaction. <i>Chemical Society Reviews</i> , 2021, 50, 8428-8469.	38.1	452
8	Graphene aerogels for efficient energy storage and conversion. <i>Energy and Environmental Science</i> , 2018, 11, 772-799.	30.8	435
9	Low-Cost Copper Zinc Tin Sulfide Counter Electrodes for High-Efficiency Dye-Sensitized Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11739-11742.	13.8	410
10	Towards high-performance polymer-based thermoelectric materials. <i>Energy and Environmental Science</i> , 2013, 6, 1352.	30.8	408
11	Learning from "Coffee Rings": Ordered Structures Enabled by Controlled Evaporative Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1534-1546.	13.8	404
12	Novel gel polymer electrolyte for high-performance lithium-sulfur batteries. <i>Nano Energy</i> , 2016, 22, 278-289.	16.0	382
13	A general and robust strategy for the synthesis of nearly monodisperse colloidal nanocrystals. <i>Nature Nanotechnology</i> , 2013, 8, 426-431.	31.5	362
14	Meniscus-assisted solution printing of large-grained perovskite films for high-efficiency solar cells. <i>Nature Communications</i> , 2017, 8, 16045.	12.8	359
15	Thermopower enhancement in conducting polymer nanocomposites via carrier energy scattering at the organic-inorganic semiconductor interface. <i>Energy and Environmental Science</i> , 2012, 5, 8351.	30.8	351
16	High Efficiency Dye-Sensitized Solar Cells Based on Hierarchically Structured Nanotubes. <i>Nano Letters</i> , 2011, 11, 3214-3220.	9.1	337
17	A Rapid Microwave-Assisted Thermolysis Route to Highly Crystalline Carbon Nitrides for Efficient Hydrogen Generation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14693-14697.	13.8	335
18	Lead-Free Halide Perovskite Nanocrystals: Crystal Structures, Synthesis, Stabilities, and Optical Properties. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1030-1046.	13.8	320

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19	1D nanocrystals with precisely controlled dimensions, compositions, and architectures. <i>Science</i> , 2016, 353, 1268-1272.	12.6	316
20	A review of TiO ₂ nanostructured catalysts for sustainable H ₂ generation. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 8418-8449.	7.1	309
21	Freestanding TiO ₂ Nanotube Arrays with Ultrahigh Aspect Ratio via Electrochemical Anodization. <i>Chemistry of Materials</i> , 2008, 20, 1257-1261.	6.7	286
22	Doping and ion substitution in colloidal metal halide perovskite nanocrystals. <i>Chemical Society Reviews</i> , 2020, 49, 4953-5007.	38.1	269
23	Dye-Sensitized TiO ₂ Nanotube Solar Cells with Markedly Enhanced Performance via Rational Surface Engineering. <i>Chemistry of Materials</i> , 2010, 22, 579-584.	6.7	265
24	Polymer-Templated Formation of Polydopamine-Coated SnO ₂ Nanocrystals: Anodes for Cyclable Lithium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1869-1872.	13.8	260
25	Hierarchical structure formation and pattern replication induced by an electric field. <i>Nature Materials</i> , 2003, 2, 48-52.	27.5	258
26	Monodisperse Dual-Functional Upconversion Nanoparticles Enabled Near-Infrared Organolead Halide Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4280-4284.	13.8	257
27	Robust SnO ₂ Nanoparticle-Impregnated Carbon Nanofibers with Outstanding Electrochemical Performance for Advanced Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8901-8905.	13.8	252
28	Barium titanate at the nanoscale: controlled synthesis and dielectric and ferroelectric properties. <i>Chemical Society Reviews</i> , 2019, 48, 1194-1228.	38.1	250
29	Shape Memory Polymers for Body Motion Energy Harvesting and Self-Powered Mechanosensing. <i>Advanced Materials</i> , 2018, 30, 1705195.	21.0	249
30	Self-Assembly of Gradient Concentric Rings via Solvent Evaporation from a Capillary Bridge. <i>Physical Review Letters</i> , 2006, 96, 066104.	7.8	248
31	Anodic Formation of Ordered TiO ₂ Nanotube Arrays: Effects of Electrolyte Temperature and Anodization Potential. <i>Journal of Physical Chemistry C</i> , 2009, 113, 4026-4030.	3.1	246
32	High efficiency perovskite solar cells: from complex nanostructure to planar heterojunction. <i>Journal of Materials Chemistry A</i> , 2014, 2, 5994-6003.	10.3	246
33	Crafting Mussel-Inspired Metal Nanoparticle-Decorated Ultrathin Graphitic Carbon Nitride for the Degradation of Chemical Pollutants and Production of Chemical Resources. <i>Advanced Materials</i> , 2019, 31, e1806314.	21.0	239
34	A Rapid Microwave-Assisted Thermolysis Route to Highly Crystalline Carbon Nitrides for Efficient Hydrogen Generation. <i>Angewandte Chemie</i> , 2016, 128, 14913-14917.	2.0	234
35	Enabling PIEZOpotential in PIEZOelectric Semiconductors for Enhanced Catalytic Activities. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7526-7536.	13.8	234
36	Plasmon-Mediated Solar Energy Conversion via Photocatalysis in Noble Metal/Semiconductor Composites. <i>Advanced Science</i> , 2016, 3, 1600024.	11.2	222

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37	Graphene-based materials with tailored nanostructures for energy conversion and storage. Materials Science and Engineering Reports, 2016, 102, 1-72.	31.8	221
38	Organic~Inorganic Nanocomposites via Directly Grafting Conjugated Polymers onto Quantum Dots. Journal of the American Chemical Society, 2007, 129, 12828-12833.	13.7	216
39	Evaporation-Induced Self-Assembly of Nanoparticles from a Sphere-on-Flat Geometry. Angewandte Chemie - International Edition, 2007, 46, 1860-1863.	13.8	212
40	Highly Branched Metal Alloy Networks with Superior Activities for the Methanol Oxidation Reaction. Angewandte Chemie - International Edition, 2017, 56, 4488-4493.	13.8	210
41	Crafting MoC ₂ -doped bimetallic alloy nanoparticles encapsulated within N-doped graphene as roust bifunctional electrocatalysts for overall water splitting. Nano Energy, 2018, 50, 212-219.	16.0	205
42	Raising the Working Temperature of a Triboelectric Nanogenerator by Quenching Down Electron Thermionic Emission in Contact~Electrification. Advanced Materials, 2018, 30, e1803968.	21.0	199
43	Achieving Efficient Incorporation of ~Electrons into Graphitic Carbon Nitride for Markedly Improved Hydrogen Generation. Angewandte Chemie - International Edition, 2019, 58, 1985-1989.	13.8	199
44	One-Step Formation of Functionalized Block Copolymers. Macromolecules, 2000, 33, 1505-1507.	4.8	192
45	<i>In-Situ</i> Crafting of ZnFe ₂ O ₄ Nanoparticles Impregnated within Continuous Carbon Network as Advanced Anode Materials. ACS Nano, 2016, 10, 2728-2735.	14.6	192
46	A highly stable non-noble metal Ni ₂ P co-catalyst for increased H ₂ generation by g-C ₃ N ₄ under visible light irradiation. Journal of Materials Chemistry A, 2017, 5, 8493-8498.	10.3	190
47	Durable and Efficient Hollow Porous Oxide Spinel Microspheres for Oxygen Reduction. Joule, 2018, 2, 337-348.	24.0	189
48	Electric field induced instabilities at liquid/liquid interfaces. Journal of Chemical Physics, 2001, 114, 2377-2381.	3.0	184
49	Graphene~Containing Nanomaterials for Lithium~Ion Batteries. Advanced Energy Materials, 2015, 5, 1500400.	19.5	184
50	Hierarchically Structured Nanotubes for Highly Efficient Dye~Sensitized Solar Cells. Advanced Materials, 2013, 25, 3039-3044.	21.0	182
51	Novel Amphiphilic Multi-Arm, Star-Like Block Copolymers as Unimolecular Micelles. Macromolecules, 2011, 44, 3746-3752.	4.8	181
52	Strictly Biphasic Soft and Hard Janus Structures: Synthesis, Properties, and Applications. Angewandte Chemie - International Edition, 2014, 53, 5524-5538.	13.8	178
53	Heteroatom~Doped Porous Carbon Materials with Unprecedented High Volumetric Capacitive Performance. Angewandte Chemie - International Edition, 2019, 58, 2397-2401.	13.8	178
54	A robust strategy for crafting monodisperse Li ₄ Ti ₅ O ₁₂ nanospheres as superior rate anode for lithium ion batteries. Nano Energy, 2016, 21, 133-144.	16.0	168

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55	Recent Advances in Silicon-Based Electrodes: From Fundamental Research toward Practical Applications. <i>Advanced Materials</i> , 2021, 33, e2004577.	21.0	168
56	Germanium-Based Nanomaterials for Rechargeable Batteries. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7898-7922.	13.8	162
57	Composition Tailoring via N and S Co-doping and Structure Tuning by Constructing Hierarchical Pores: Metal-Free Catalysts for High-Performance Electrochemical Reduction of CO ₂ . <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15476-15480.	13.8	162
58	Self-Assembly of All-Conjugated Poly(3-alkylthiophene) Diblock Copolymer Nanostructures from Mixed Selective Solvents. <i>ACS Nano</i> , 2010, 4, 3241-3247.	14.6	157
59	Electronic structure engineering on two-dimensional (2D) electrocatalytic materials for oxygen reduction, oxygen evolution, and hydrogen evolution reactions. <i>Nano Energy</i> , 2020, 77, 105080.	16.0	157
60	Scrutinizing Defects and Defect Density of Selenium-Doped Graphene for High-Efficiency Triiodide Reduction in Dye-Sensitized Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4682-4686.	13.8	155
61	Patterns Formed by Droplet Evaporation from a Restricted Geometry. <i>Journal of the American Chemical Society</i> , 2005, 127, 2816-2817.	13.7	154
62	Structure Formation at the Interface of Liquid/Liquid Bilayer in Electric Field. <i>Macromolecules</i> , 2002, 35, 3971-3976.	4.8	151
63	Graphene-Enabled Superior and Tunable Photomechanical Actuation in Liquid Crystalline Elastomer Nanocomposites. <i>Advanced Materials</i> , 2015, 27, 6376-6381.	21.0	149
64	NaCl-templated synthesis of hierarchical porous carbon with extremely large specific surface area and improved graphitization degree for high energy density lithium ion capacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 17057-17066.	10.3	149
65	Emerging covalent organic frameworks tailored materials for electrocatalysis. <i>Nano Energy</i> , 2020, 70, 104525.	16.0	143
66	Graphene and graphene-based nanocomposites: biomedical applications and biosafety. <i>Journal of Materials Chemistry B</i> , 2016, 4, 7813-7831.	5.8	140
67	The charge carrier dynamics, efficiency and stability of two-dimensional material-based perovskite solar cells. <i>Chemical Society Reviews</i> , 2019, 48, 4854-4891.	38.1	139
68	From Precision Synthesis of Block Copolymers to Properties and Applications of Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2046-2070.	13.8	138
69	Hybrid Organic-Inorganic Thermoelectric Materials and Devices. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15206-15226.	13.8	138
70	Bottlebrush polymers: From controlled synthesis, self-assembly, properties to applications. <i>Progress in Polymer Science</i> , 2021, 116, 101387.	24.7	138
71	Carbon/Sulfur Aerogel with Adequate Mesoporous Channels as Robust Polysulfide Confinement Matrix for Highly Stable Lithium-Sulfur Battery. <i>Nano Letters</i> , 2020, 20, 7662-7669.	9.1	131
72	Recent advances in interfacial engineering of perovskite solar cells. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 373002.	2.8	129

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73	Crafting Semiconductor Organic-Inorganic Nanocomposites via Placing Conjugated Polymers in Intimate Contact with Nanocrystals for Hybrid Solar Cells. <i>Advanced Materials</i> , 2012, 24, 4353-4368.	21.0	127
74	Friction and wear behavior of ultra-high molecular weight polyethylene as a function of polymer crystallinity. <i>Acta Biomaterialia</i> , 2008, 4, 1401-1410.	8.3	125
75	Immobilization of Pt Nanoparticles via Rapid and Reusable Electropolymerization of Dopamine on TiO ₂ Nanotube Arrays for Reversible SERS Substrates and Nonenzymatic Glucose Sensors. <i>Small</i> , 2017, 13, 1604240.	10.0	125
76	Mobility of Polymers at the Air/Polymer Interface. <i>Macromolecules</i> , 2001, 34, 3484-3492.	4.8	123
77	Cascade charge transfer enabled by incorporating edge-enriched graphene nanoribbons for mesostructured perovskite solar cells with enhanced performance. <i>Nano Energy</i> , 2018, 52, 123-133.	16.0	123
78	Robust wrinkled MoS ₂ /N-C bifunctional electrocatalysts interfaced with single Fe atoms for wearable zinc-air batteries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	122
79	Nanostructured photocatalysts for nitrogen fixation. <i>Nano Energy</i> , 2020, 71, 104645.	16.0	120
80	Conjugated rod-coil and rod block copolymers for photovoltaic applications. <i>Journal of Materials Chemistry</i> , 2011, 21, 17039.	6.7	119
81	Enabling Tailorable Optical Properties and Markedly Enhanced Stability of Perovskite Quantum Dots by Permanently Ligating with Polymer Hairs. <i>Advanced Materials</i> , 2019, 31, e1901602.	21.0	119
82	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
83	Hierarchical Rutile TiO ₂ Flower Cluster-Based High Efficiency Dye-Sensitized Solar Cells via Direct Hydrothermal Growth on Conducting Substrates. <i>Small</i> , 2013, 9, 312-321.	10.0	115
84	Simultaneously Crafting Single-Atomic Fe Sites and Graphitic Layer-Wrapped Fe ₃ C Nanoparticles Encapsulated within Mesoporous Carbon Tubes for Oxygen Reduction. <i>Advanced Functional Materials</i> , 2021, 31, 2009197.	14.9	112
85	Organic-Inorganic Nanocomposites via Placing Monodisperse Ferroelectric Nanocrystals in Direct and Permanent Contact with Ferroelectric Polymers. <i>Journal of the American Chemical Society</i> , 2015, 137, 11760-11767.	13.7	111
86	Improved stability of nano-Sn electrode with high-quality nano-SEI formation for lithium ion battery. <i>Nano Energy</i> , 2015, 12, 314-321.	16.0	108
87	Interconnected Ni(HCO ₃) ₂ Hollow Spheres Enabled by Self-Sacrificial Templating with Enhanced Lithium Storage Properties. <i>ACS Energy Letters</i> , 2017, 2, 111-116.	17.4	108
88	Advanced Matrixes for Binder-Free Nanostructured Electrodes in Lithium-Ion Batteries. <i>Advanced Materials</i> , 2020, 32, e1908445.	21.0	108
89	Recent Advances in Synthesis, Properties, and Applications of Metal Halide Perovskite Nanocrystals/Polymer Nanocomposites. <i>Advanced Materials</i> , 2021, 33, e2005888.	21.0	108
90	Hairy Uniform Permanently Ligated Hollow Nanoparticles with Precise Dimension Control and Tunable Optical Properties. <i>Journal of the American Chemical Society</i> , 2017, 139, 12956-12967.	13.7	107

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91	<i>Operando</i> unraveling photothermal-promoted dynamic active-sites generation in NiFe ₂ O ₄ for markedly enhanced oxygen evolution. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	107
92	Metal-organic frameworks-derived heteroatom-doped carbon electrocatalysts for oxygen reduction reaction. Nano Energy, 2021, 86, 106073.	16.0	107
93	Light-enabled reversible self-assembly and tunable optical properties of stable hairy nanoparticles. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E1391-E1400.	7.1	106
94	Upconversion Nanocrystals: Synthesis, Properties, Assembly and Applications. Science of Advanced Materials, 2011, 3, 26-40.	0.7	106
95	Unconventional Route to Oxygen-Vacancy-Enabled Highly Efficient Electron Extraction and Transport in Perovskite Solar Cells. Angewandte Chemie - International Edition, 2020, 59, 1611-1618.	13.8	104
96	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
97	General and Robust Photothermal-Heating-Enabled High-Efficiency Photoelectrochemical Water Splitting. Advanced Materials, 2021, 33, e2004406.	21.0	104
98	Chemical Imaging in a Surface Forces Apparatus: A Confocal Raman Spectroscopy of Confined Poly(dimethylsiloxane). Langmuir, 2005, 21, 5685-5688.	3.5	103
99	Graphene-based transparent flexible electrodes for polymer solar cells. Journal of Materials Chemistry, 2012, 22, 24254.	6.7	103
100	Sandwich-like CNTs/Si/C nanotubes as high performance anode materials for lithium-ion batteries. Journal of Materials Chemistry A, 2018, 6, 14797-14804.	10.3	103
101	Formation of various TiO ₂ nanostructures from electrochemically anodized titanium. Journal of Materials Chemistry, 2009, 19, 3682.	6.7	102
102	Recent advances in polysaccharide-based hydrogels for synthesis and applications. Aggregate, 2021, 2, e21.	9.9	102
103	Hierarchically Organized Structures Engineered from Controlled Evaporative Self-Assembly. Nano Letters, 2010, 10, 3111-3117.	9.1	101
104	Electric Field Induced Dewetting at Polymer/Polymer Interfaces. Macromolecules, 2002, 35, 6255-6262.	4.8	100
105	All-conjugated poly(3-alkylthiophene) diblock copolymer-based bulk heterojunction solar cells with controlled molecular organization and nanoscale morphology. Energy and Environmental Science, 2011, 4, 2894.	30.8	100
106	Plasmonic dye-sensitized solar cells incorporated with Au-TiO ₂ nanostructures with tailored configurations. Nanoscale, 2014, 6, 1823-1832.	5.6	100
107	Silk fibroin-derived nitrogen-doped carbon quantum dots anchored on TiO ₂ nanotube arrays for heterogeneous photocatalytic degradation and water splitting. Nano Energy, 2020, 78, 105313.	16.0	100
108	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

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109	Dual-Shelled Multidoped Hollow Carbon Nanocages with Hierarchical Porosity for High-Performance Oxygen Reduction Reaction in Both Alkaline and Acidic Media. <i>Nano Letters</i> , 2020, 20, 5639-5645.	9.1	98
110	Robust Self-Assembly of Highly Ordered Complex Structures by Controlled Evaporation of Confined Microfluids. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 512-516.	13.8	96
111	Cu ₂ ZnSnS ₄ nanocrystals and graphene quantum dots for photovoltaics. <i>Nanoscale</i> , 2011, 3, 3040.	5.6	95
112	A Versatile Strategy for Shish-Kebab-like Multi-heterostructured Chalcogenides and Enhanced Photocatalytic Hydrogen Evolution. <i>Journal of the American Chemical Society</i> , 2015, 137, 11004-11010.	13.7	95
113	Large-Area Lasing and Multicolor Perovskite Quantum Dot Patterns. <i>Advanced Optical Materials</i> , 2018, 6, 1800474.	7.3	95
114	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
115	A Robust Route to Co ₂ (OH) ₂ CO ₃ Ultrathin Nanosheets with Superior Lithium Storage Capability Templated by Aspartic Acid-Functionalized Graphene Oxide. <i>Advanced Energy Materials</i> , 2019, 9, 1901093.	19.5	94
116	Vertically-aligned Pt-decorated MoS ₂ nanosheets coated on TiO ₂ nanotube arrays enable high-efficiency solar-light energy utilization for photocatalysis and self-cleaning SERS devices. <i>Nano Energy</i> , 2020, 71, 104579.	16.0	92
117	Amorphous inorganic semiconductors for the development of solar cell, photoelectrocatalytic and photocatalytic applications. <i>Chemical Society Reviews</i> , 2021, 50, 6914-6949.	38.1	91
118	General synthesis of high-entropy alloy and ceramic nanoparticles in nanoseconds. , 2022, 1, 138-146.		91
119	Crafting Threads of Diblock Copolymer Micelles <i>via</i> Flow-Enabled Self-Assembly. <i>ACS Nano</i> , 2014, 8, 2936-2942.	14.6	89
120	Surface-Treated TiO ₂ Nanoparticles for Dye-Sensitized Solar Cells with Remarkably Enhanced Performance. <i>Langmuir</i> , 2011, 27, 14594-14598.	3.5	88
121	Biopolymer-assisted synthesis of 3D interconnected Fe ₃ O ₄ @carbon core@shell as anode for asymmetric lithium ion capacitors. <i>Carbon</i> , 2018, 140, 296-305.	10.3	88
122	Novel Amphiphilic Multiarm, Starlike Coil-Rod Diblock Copolymers via a Combination of Click Chemistry with Living Polymerization. <i>Macromolecules</i> , 2011, 44, 7176-7183.	4.8	86
123	One-Dimensional Densely Aligned Perovskite-Decorated Semiconductor Heterojunctions with Enhanced Photocatalytic Activity. <i>Small</i> , 2015, 11, 1436-1442.	10.0	86
124	Organic-Inorganic Nanocomposites by Placing Conjugated Polymers in Intimate Contact with Quantum Rods. <i>Advanced Materials</i> , 2011, 23, 2844-2849.	21.0	85
125	Toward High-Performance Organic-Inorganic Hybrid Solar Cells: Bringing Conjugated Polymers and Inorganic Nanocrystals in Close Contact. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1788-1796.	4.6	85
126	Nonepitaxial growth of uniform and precisely size-tunable core/shell nanoparticles and their enhanced plasmon-driven photocatalysis. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7190-7199.	10.3	85

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127	A dual-functional gel-polymer electrolyte for lithium ion batteries with superior rate and safety performances. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18888-18895.	10.3	85
128	All-Inorganic Perovskite Nanocrystals with a Stellar Set of Stabilities and Their Use in White Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 37267-37276.	8.0	82
129	Resolving Optical and Catalytic Activities in Thermoresponsive Nanoparticles by Permanent Ligation with Temperature-sensitive Polymers. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11910-11917.	13.8	80
130	Large-scale Hierarchically Structured Conjugated Polymer Assemblies with Enhanced Electrical Conductivity. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2564-2568.	13.8	79
131	Semiconductor Anisotropic Nanocomposites Obtained by Directly Coupling Conjugated Polymers with Quantum Rods. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3958-3962.	13.8	78
132	Li-ion and Na-ion transportation and storage properties in various sized TiO_2 spheres with hierarchical pores and high tap density. <i>Journal of Materials Chemistry A</i> , 2017, 5, 4359-4367.	10.3	78
133	Contact-Electrification between Two Identical Materials: Curvature Effect. <i>ACS Nano</i> , 2019, 13, 2034-2041.	14.6	78
134	Directed Self-Assembly of Gradient Concentric Carbon Nanotube Rings. <i>Advanced Functional Materials</i> , 2008, 18, 2114-2122.	14.9	77
135	Unconventional Route to Hairy Plasmonic/Semiconductor Core/Shell Nanoparticles with Precisely Controlled Dimensions and Their Use in Solar Energy Conversion. <i>Chemistry of Materials</i> , 2015, 27, 5271-5278.	6.7	76
136	Atomic layer deposition-enabled ultrastable freestanding carbon-selenium cathodes with high mass loading for sodium-selenium battery. <i>Nano Energy</i> , 2018, 43, 317-325.	16.0	76
137	Semiconductor Conjugated Polymer-Quantum Dot Nanocomposites at the Air/Water Interface and Their Photovoltaic Performance. <i>Chemistry of Materials</i> , 2009, 21, 934-938.	6.7	75
138	Drying Mediated Pattern Formation in a Capillary-Held Organometallic Polymer Solution. <i>Chemistry of Materials</i> , 2005, 17, 6223-6226.	6.7	72
139	Multifunctional PMMA-Ceramic composites as structural dielectrics. <i>Polymer</i> , 2010, 51, 5823-5832.	3.8	72
140	Controlled evaporative self-assembly of hierarchically structured regioregular conjugated polymers. <i>Soft Matter</i> , 2009, 5, 1583.	2.7	71
141	Hollow titanium dioxide spheres as anode material for lithium ion battery with largely improved rate stability and cycle performance by suppressing the formation of solid electrolyte interface layer. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13340-13349.	10.3	71
142	Monodisperse Dual-Functional Upconversion Nanoparticles Enabled Near-Infrared Organolead Halide Perovskite Solar Cells. <i>Angewandte Chemie</i> , 2016, 128, 4352-4356.	2.0	71
143	SnO_2 as Advanced Anode of Alkali-Ion Batteries: Inhibiting Sn Coarsening by Crafting Robust Physical Barriers, Void Boundaries, and Heterophase Interfaces for Superior Electrochemical Reaction Reversibility. <i>Advanced Energy Materials</i> , 2020, 10, 1902657.	19.5	71
144	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_2 conversion. <i>Nano Energy</i> , 2020, 77, 105104.	16.0	71

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145	Thermodynamic Routes to Ultralow Thermal Conductivity and High Thermoelectric Performance. <i>Advanced Materials</i> , 2020, 32, e1906457.	21.0	71
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