

Zhiqun Lin

List of Publications by Year in descending order

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Version: 2024-02-01

410
papers

33,125
citations

2565

99
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6349

163
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442
all docs

442
docs citations

442
times ranked

37800
citing authors

#	ARTICLE	IF	CITATIONS
1	Noble metalâ€metal oxide nano hybrids with tailored nanostructures for efficient solar energy conversion, photocatalysis and environmental remediation. <i>Energy and Environmental Science</i> , 2017, 10, 402-434.	15.6	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.	18.7	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.	8.3	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.	6.6	571
5	pâ€n 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.	15.6	483
6	Inorganic-modified semiconductor TiO ₂ nanotube arrays for photocatalysis. <i>Energy and Environmental Science</i> , 2014, 7, 2182-2202.	15.6	461
7	Recent advances in activating surface reconstruction for the high-efficiency oxygen evolution reaction. <i>Chemical Society Reviews</i> , 2021, 50, 8428-8469.	18.7	452
8	Graphene aerogels for efficient energy storage and conversion. <i>Energy and Environmental Science</i> , 2018, 11, 772-799.	15.6	435
9	Lowâ€Cost Copper Zinc Tin Sulfide Counter Electrodes for Highâ€Efficiency Dyeâ€Sensitized Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11739-11742.	7.2	410
10	Towards high-performance polymer-based thermoelectric materials. <i>Energy and Environmental Science</i> , 2013, 6, 1352.	15.6	408
11	Learning from â€Coffee Ringsâ€ Ordered Structures Enabled by Controlled Evaporative Selfâ€Assembly. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1534-1546.	7.2	404
12	Novel gel polymer electrolyte for high-performance lithiumâ€sulfur batteries. <i>Nano Energy</i> , 2016, 22, 278-289.	8.2	382
13	A general and robust strategy for the synthesis of nearly monodisperse colloidal nanocrystals. <i>Nature Nanotechnology</i> , 2013, 8, 426-431.	15.6	362
14	Meniscus-assisted solution printing of large-grained perovskite films for high-efficiency solar cells. <i>Nature Communications</i> , 2017, 8, 16045.	5.8	359
15	Thermopower enhancement in conducting polymer nanocomposites via carrier energy scattering at the organicâ€inorganic semiconductor interface. <i>Energy and Environmental Science</i> , 2012, 5, 8351.	15.6	351
16	High Efficiency Dye-Sensitized Solar Cells Based on Hierarchically Structured Nanotubes. <i>Nano Letters</i> , 2011, 11, 3214-3220.	4.5	337
17	A Rapid Microwaveâ€Assisted Thermolysis Route to Highly Crystalline Carbon Nitrides for Efficient Hydrogen Generation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14693-14697.	7.2	335
18	Leadâ€Free Halide Perovskite Nanocrystals: Crystal Structures, Synthesis, Stabilities, and Optical Properties. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1030-1046.	7.2	320

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19	1D nanocrystals with precisely controlled dimensions, compositions, and architectures. <i>Science</i> , 2016, 353, 1268-1272.	6.0	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.	3.8	309
21	Freestanding TiO ₂ Nanotube Arrays with Ultrahigh Aspect Ratio via Electrochemical Anodization. <i>Chemistry of Materials</i> , 2008, 20, 1257-1261.	3.2	286
22	Doping and ion substitution in colloidal metal halide perovskite nanocrystals. <i>Chemical Society Reviews</i> , 2020, 49, 4953-5007.	18.7	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.	3.2	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.	7.2	260
25	Hierarchical structure formation and pattern replication induced by an electric field. <i>Nature Materials</i> , 2003, 2, 48-52.	13.3	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.	7.2	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.	7.2	252
28	Barium titanate at the nanoscale: controlled synthesis and dielectric and ferroelectric properties. <i>Chemical Society Reviews</i> , 2019, 48, 1194-1228.	18.7	250
29	Shape Memory Polymers for Body Motion Energy Harvesting and Self-Powered Mechanosensing. <i>Advanced Materials</i> , 2018, 30, 1705195.	11.1	249
30	Self-Assembly of Gradient Concentric Rings via Solvent Evaporation from a Capillary Bridge. <i>Physical Review Letters</i> , 2006, 96, 066104.	2.9	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.	1.5	246
32	High efficiency perovskite solar cells: from complex nanostructure to planar heterojunction. <i>Journal of Materials Chemistry A</i> , 2014, 2, 5994-6003.	5.2	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.	11.1	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.	1.6	234
35	Enabling PIEZOpotential in PIEZOelectric Semiconductors for Enhanced Catalytic Activities. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7526-7536.	7.2	234
36	Plasmon-Mediated Solar Energy Conversion via Photocatalysis in Noble Metal/Semiconductor Composites. <i>Advanced Science</i> , 2016, 3, 1600024.	5.6	222

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37	Graphene-based materials with tailored nanostructures for energy conversion and storage. <i>Materials Science and Engineering Reports</i> , 2016, 102, 1-72.	14.8	221
38	Organic-Inorganic Nanocomposites via Directly Grafting Conjugated Polymers onto Quantum Dots. <i>Journal of the American Chemical Society</i> , 2007, 129, 12828-12833.	6.6	216
39	Evaporation-Induced Self-Assembly of Nanoparticles from a Sphere-on-Flat Geometry. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1860-1863.	7.2	212
40	Highly Branched Metal Alloy Networks with Superior Activities for the Methanol Oxidation Reaction. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4488-4493.	7.2	210
41	Crafting MoC ₂ -doped bimetallic alloy nanoparticles encapsulated within N-doped graphene as robust bifunctional electrocatalysts for overall water splitting. <i>Nano Energy</i> , 2018, 50, 212-219.	8.2	205
42	Raising the Working Temperature of a Triboelectric Nanogenerator by Quenching Down Electron Thermionic Emission in Contact Electrification. <i>Advanced Materials</i> , 2018, 30, e1803968.	11.1	199
43	Achieving Efficient Incorporation of Electrons into Graphitic Carbon Nitride for Markedly Improved Hydrogen Generation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1985-1989.	7.2	199
44	One-Step Formation of Functionalized Block Copolymers. <i>Macromolecules</i> , 2000, 33, 1505-1507.	2.2	192
45	In-Situ Crafting of ZnFe ₂ O ₄ Nanoparticles Impregnated within Continuous Carbon Network as Advanced Anode Materials. <i>ACS Nano</i> , 2016, 10, 2728-2735.	7.3	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. <i>Journal of Materials Chemistry A</i> , 2017, 5, 8493-8498.	5.2	190
47	Durable and Efficient Hollow Porous Oxide Spinel Microspheres for Oxygen Reduction. <i>Joule</i> , 2018, 2, 337-348.	11.7	189
48	Electric field induced instabilities at liquid/liquid interfaces. <i>Journal of Chemical Physics</i> , 2001, 114, 2377-2381.	1.2	184
49	Graphene-Containing Nanomaterials for Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2015, 5, 1500400.	10.2	184
50	Hierarchically Structured Nanotubes for Highly Efficient Dye-Sensitized Solar Cells. <i>Advanced Materials</i> , 2013, 25, 3039-3044.	11.1	182
51	Novel Amphiphilic Multi-Arm, Star-Like Block Copolymers as Unimolecular Micelles. <i>Macromolecules</i> , 2011, 44, 3746-3752.	2.2	181
52	Strictly Biphasic Soft and Hard Janus Structures: Synthesis, Properties, and Applications. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5524-5538.	7.2	178
53	Heteroatom-Doped Porous Carbon Materials with Unprecedented High Volumetric Capacitive Performance. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2397-2401.	7.2	178
54	A robust strategy for crafting monodisperse Li ₄ Ti ₅ O ₁₂ nanospheres as superior rate anode for lithium ion batteries. <i>Nano Energy</i> , 2016, 21, 133-144.	8.2	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.	11.1	168
56	Germanium-Based Nanomaterials for Rechargeable Batteries. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7898-7922.	7.2	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.	7.2	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.	7.3	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.	8.2	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.	7.2	155
61	Patterns Formed by Droplet Evaporation from a Restricted Geometry. <i>Journal of the American Chemical Society</i> , 2005, 127, 2816-2817.	6.6	154
62	Structure Formation at the Interface of Liquid/Liquid Bilayer in Electric Field. <i>Macromolecules</i> , 2002, 35, 3971-3976.	2.2	151
63	Graphene-Enabled Superior and Tunable Photomechanical Actuation in Liquid Crystalline Elastomer Nanocomposites. <i>Advanced Materials</i> , 2015, 27, 6376-6381.	11.1	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.	5.2	149
65	Emerging covalent organic frameworks tailored materials for electrocatalysis. <i>Nano Energy</i> , 2020, 70, 104525.	8.2	143
66	Graphene and graphene-based nanocomposites: biomedical applications and biosafety. <i>Journal of Materials Chemistry B</i> , 2016, 4, 7813-7831.	2.9	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.	18.7	139
68	From Precision Synthesis of Block Copolymers to Properties and Applications of Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2046-2070.	7.2	138
69	Hybrid Organic-Inorganic Thermoelectric Materials and Devices. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15206-15226.	7.2	138
70	Bottlebrush polymers: From controlled synthesis, self-assembly, properties to applications. <i>Progress in Polymer Science</i> , 2021, 116, 101387.	11.8	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.	4.5	131
72	Recent advances in interfacial engineering of perovskite solar cells. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 373002.	1.3	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.	11.1	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.	4.1	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.	5.2	125
76	Mobility of Polymers at the Air/Polymer Interface. <i>Macromolecules</i> , 2001, 34, 3484-3492.	2.2	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.	8.2	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, .	3.3	122
79	Nanostructured photocatalysts for nitrogen fixation. <i>Nano Energy</i> , 2020, 71, 104645.	8.2	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.	11.1	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.	4.7	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.	5.2	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.	7.8	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.	6.6	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.	8.2	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.	8.8	108
88	Advanced Matrixes for Binder-Free Nanostructured Electrodes in Lithium Ion Batteries. <i>Advanced Materials</i> , 2020, 32, e1908445.	11.1	108
89	Recent Advances in Synthesis, Properties, and Applications of Metal Halide Perovskite Nanocrystals/Polymer Nanocomposites. <i>Advanced Materials</i> , 2021, 33, e2005888.	11.1	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.	6.6	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, .	3.3	107
92	Metal-organic frameworks-derived heteroatom-doped carbon electrocatalysts for oxygen reduction reaction. Nano Energy, 2021, 86, 106073.	8.2	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.	3.3	106
94	Upconversion Nanocrystals: Synthesis, Properties, Assembly and Applications. Science of Advanced Materials, 2011, 3, 26-40.	0.1	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.	7.2	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.	11.1	104
97	General and Robust Photothermal Heating Enabled High Efficiency Photoelectrochemical Water Splitting. Advanced Materials, 2021, 33, e2004406.	11.1	104
98	Chemical Imaging in a Surface Forces Apparatus: A Confocal Raman Spectroscopy of Confined Poly(dimethylsiloxane). Langmuir, 2005, 21, 5685-5688.	1.6	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.	5.2	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.	5.2	102
103	Hierarchically Organized Structures Engineered from Controlled Evaporative Self-Assembly. Nano Letters, 2010, 10, 3111-3117.	4.5	101
104	Electric Field Induced Dewetting at Polymer/Polymer Interfaces. Macromolecules, 2002, 35, 6255-6262.	2.2	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.	15.6	100
106	Plasmonic dye-sensitized solar cells incorporated with Au-TiO ₂ nanostructures with tailored configurations. Nanoscale, 2014, 6, 1823-1832.	2.8	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.	8.2	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.	8.2	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.	4.5	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.	7.2	96
111	Cu ₂ ZnSnS ₄ nanocrystals and graphene quantum dots for photovoltaics. <i>Nanoscale</i> , 2011, 3, 3040.	2.8	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.	6.6	95
113	Large-Area Lasing and Multicolor Perovskite Quantum Dot Patterns. <i>Advanced Optical Materials</i> , 2018, 6, 1800474.	3.6	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.	4.5	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.	10.2	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.	8.2	92
117	Amorphous inorganic semiconductors for the development of solar cell, photoelectrocatalytic and photocatalytic applications. <i>Chemical Society Reviews</i> , 2021, 50, 6914-6949.	18.7	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.	7.3	89
120	Surface-Treated TiO ₂ Nanoparticles for Dye-Sensitized Solar Cells with Remarkably Enhanced Performance. <i>Langmuir</i> , 2011, 27, 14594-14598.	1.6	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.	5.4	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.	2.2	86
123	One-Dimensional Densely Aligned Perovskite-Decorated Semiconductor Heterojunctions with Enhanced Photocatalytic Activity. <i>Small</i> , 2015, 11, 1436-1442.	5.2	86
124	Organic-Inorganic Nanocomposites by Placing Conjugated Polymers in Intimate Contact with Quantum Rods. <i>Advanced Materials</i> , 2011, 23, 2844-2849.	11.1	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.	2.1	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.	5.2	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.	5.2	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.	4.0	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.	7.2	80
130	Large-scale Hierarchically Structured Conjugated Polymer Assemblies with Enhanced Electrical Conductivity. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2564-2568.	7.2	79
131	Semiconductor Anisotropic Nanocomposites Obtained by Directly Coupling Conjugated Polymers with Quantum Rods. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3958-3962.	7.2	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.	5.2	78
133	Contact-Electrification between Two Identical Materials: Curvature Effect. <i>ACS Nano</i> , 2019, 13, 2034-2041.	7.3	78
134	Directed Self-Assembly of Gradient Concentric Carbon Nanotube Rings. <i>Advanced Functional Materials</i> , 2008, 18, 2114-2122.	7.8	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.	3.2	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.	8.2	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.	3.2	75
138	Drying Mediated Pattern Formation in a Capillary-Held Organometallic Polymer Solution. <i>Chemistry of Materials</i> , 2005, 17, 6223-6226.	3.2	72
139	Multifunctional PMMA-Ceramic composites as structural dielectrics. <i>Polymer</i> , 2010, 51, 5823-5832.	1.8	72
140	Controlled evaporative self-assembly of hierarchically structured regioregular conjugated polymers. <i>Soft Matter</i> , 2009, 5, 1583.	1.2	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.	5.2	71
142	Monodisperse Dual-Functional Upconversion Nanoparticles Enabled Near-Infrared Organolead Halide Perovskite Solar Cells. <i>Angewandte Chemie</i> , 2016, 128, 4352-4356.	1.6	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.	10.2	71
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