

Yanjie he

List of Publications by Year in descending order

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61
papers

3,849
citations

136950

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#	ARTICLE	IF	CITATIONS
1	Dual enhancement of carrier generation and migration on Au/g-C ₃ N ₄ photocatalysts for highly-efficient broadband PET-RAFT polymerization. <i>Polymer Chemistry</i> , 2022, 13, 1022-1030.	3.9	9
2	In situ monitoring of photo-PISA via aggregation-induced emission (AIE) technology. <i>Journal of Polymer Research</i> , 2022, 29, 1.	2.4	1
3	Simple Full-Spectrum Heterogeneous Photocatalyst for Photo-induced Atom Transfer Radical Polymerization (ATRP) under UV/vis/NIR and its Application for the Preparation of Dual Mode Curing Injectable Photoluminescence Hydrogel. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 21555-21563.	8.0	15
4	Continuous Preparation of Homogeneous Crosslinked PDMS Microgel Particles through Photoinduced Reversible Addition-Fragmentation Chain Transfer Polymerization. <i>ACS Applied Polymer Materials</i> , 2022, 4, 4347-4354.	4.4	2
5	Mechanically induced atom transfer radical polymerization with high efficiency via piezoelectric heterostructures. <i>Polymer</i> , 2022, 252, 124949.	3.8	6
6	Dimensional Optimization for ZnO-Based Mechano-ATRP with Extraordinary Activity. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 4884-4890.	4.6	15
7	Advancing Performance and Unfolding Mechanism of Lithium and Sodium Storage in SnO ₂ via Precision Synthesis of Monodisperse PEG- <i>l</i> igated Nanoparticles. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	34
8	Ultrafast Visible-Light-Induced ATRP in Aqueous Media with Carbon Quantum Dots as the Catalyst and Its Application for 3D Printing. <i>Journal of the American Chemical Society</i> , 2022, 144, 9817-9826.	13.7	41
9	From 0-dimension to 1-dimensions: Au nanocrystals as versatile plasmonic photocatalyst for broadband light induced RAFT polymerization. <i>Polymer Chemistry</i> , 2021, 12, 2439-2446.	3.9	4
10	Effect of nitrogen type on carbon dot photocatalysts for visible-light-induced atom transfer radical polymerization. <i>Polymer Chemistry</i> , 2021, 12, 3060-3066.	3.9	17
11	Dual-Protected Metal Halide Perovskite Nanosheets with an Enhanced Set of Stabilities. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7259-7266.	13.8	45
12	Dual-Protected Metal Halide Perovskite Nanosheets with an Enhanced Set of Stabilities. <i>Angewandte Chemie</i> , 2021, 133, 7335-7342.	2.0	10
13	Unconventional Approach to Fabricating a TiO ₂ Nanoring with Precise Dimension Control Based on Starlike Polymeric Nanoreactors. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 3456-3463.	4.6	5
14	Bottlebrush polymers: From controlled synthesis, self-assembly, properties to applications. <i>Progress in Polymer Science</i> , 2021, 116, 101387.	24.7	138
15	Recent Advances in Synthesis, Properties, and Applications of Metal Halide Perovskite Nanocrystals/Polymer Nanocomposites. <i>Advanced Materials</i> , 2021, 33, e2005888.	21.0	108
16	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
17	Confined Unimolecular Micelles for Precisely Controlled In Situ Synthesis of Stable Ultrasmall Metal Nanocluster Assemblies. <i>Chemistry of Materials</i> , 2021, 33, 5067-5075.	6.7	20
18	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

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19	General Route to Colloidal Nanocrystal Clusters with Precise Hierarchical Control via Star-like Nanoreactors. <i>Langmuir</i> , 2021, 37, 10461-10468.	3.5	4
20	Preparation of highly colloidal stable Yolk-Shell nanocomposite and its multi-stimuli responsive based on surface aggregation-induced emission (S-AIE). <i>Journal of Colloid and Interface Science</i> , 2021, 600, 421-429.	9.4	4
21	Simple and robust nitroxide-mediated polymerization with oxygen tolerance. <i>Polymer Chemistry</i> , 2021, 12, 7010-7015.	3.9	8
22	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
23	Synthesis of Amphiphilic and Double Hydrophilic Star-like Block Copolymers and the Dual pH-Responsiveness of Unimolecular Micelle. <i>Macromolecules</i> , 2020, 53, 8286-8295.	4.8	15
24	Alkali-Ion Batteries: 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 (Adv. Energy Mater. 6/2020). <i>Advanced Energy Materials</i> , 2020, 10, 2070027.	19.5	2
25	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
26	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
27	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
28	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
29	Magnetoelectric Effect in Single-Phase Multiferroic Materials. , 2018, , 49-75.		1
30	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
31	Polymer-Templated Formation of Polydopamine-Coated SnO ₂ Nanocrystals: Anodes for Cyclable Lithium-Ion Batteries. <i>Angewandte Chemie</i> , 2017, 129, 1895-1898.	2.0	26
32	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
33	Abbildung: Polymer-Templated Formation of Polydopamine-Coated SnO ₂ Nanocrystals: Anodes for Cyclable Lithium-Ion Batteries (Angew. Chem. 7/2017). <i>Angewandte Chemie</i> , 2017, 129, 1958-1958.	2.0	2
34	Highly Branched Metal Alloy Networks with Superior Activities for the Methanol Oxidation Reaction. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4488-4493.	13.8	210
35	Highly Branched Metal Alloy Networks with Superior Activities for the Methanol Oxidation Reaction. <i>Angewandte Chemie</i> , 2017, 129, 4559-4564.	2.0	40
36	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

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37	Innenr¼cktitelbild: Unconventional Route to Uniform Hollow Semiconducting Nanoparticles with Tailorable Dimensions, Compositions, Surface Chemistry, and Near-Infra-red Absorption (Angew. Chem.) Tj ETQq1210.784314 rgBT /Dv	13.8	34
38	Hairy Uniform Permanently Ligated Hollow Nanoparticles with Precise Dimension Control and Tunable Optical Properties. Journal of the American Chemical Society, 2017, 139, 12956-12967.	13.7	107
39	Unconventional Route to Uniform Hollow Semiconducting Nanoparticles with Tailorable Dimensions, Compositions, Surface Chemistry, and Near-Infra-red Absorption. Angewandte Chemie, 2017, 129, 13126-13131.	2.0	8
40	Unconventional Route to Uniform Hollow Semiconducting Nanoparticles with Tailorable Dimensions, Compositions, Surface Chemistry, and Near-Infra-red Absorption. Angewandte Chemie - International Edition, 2017, 56, 12946-12951.	13.8	34
41	Meniscus-assisted solution printing of large-grained perovskite films for high-efficiency solar cells. Nature Communications, 2017, 8, 16045.	12.8	359
42	Innenr¼cktitelbild: Monodisperse Dual-Functional Upconversion Nanoparticles Enabled Near-Infra-red Organolead Halide Perovskite Solar Cells (Angew. Chem. 13/2016). Angewandte Chemie, 2016, 128, 4441-4441.	2.0	3
43	1D nanocrystals with precisely controlled dimensions, compositions, and architectures. Science, 2016, 353, 1268-1272.	12.6	316
44	Precisely Size-Tunable Monodisperse Hairy Plasmonic Nanoparticles via Amphiphilic Star-Like Block Copolymers. Small, 2016, 12, 6714-6723.	10.0	68
45	Monodisperse Dual-Functional Upconversion Nanoparticles Enabled Near-Infra-red Organolead Halide Perovskite Solar Cells. Angewandte Chemie, 2016, 128, 4352-4356.	2.0	71
46	Monodisperse Dual-Functional Upconversion Nanoparticles Enabled Near-Infra-red Organolead Halide Perovskite Solar Cells. Angewandte Chemie - International Edition, 2016, 55, 4280-4284.	13.8	257
47	<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
48	Nonepitaxial growth of uniform and precisely size-tunable core/shell nanoparticles and their enhanced plasmon-driven photocatalysis. Journal of Materials Chemistry A, 2016, 4, 7190-7199.	10.3	85
49	Innenr¼cktitelbild: An Unconventional Route to Monodisperse and Intimately Contacted Semiconducting Organic-Inorganic Nanocomposites (Angew. Chem. 15/2015). Angewandte Chemie, 2015, 127, 4761-4761.	2.0	0
50	Precisely Size-Tunable Magnetic/Plasmonic Core/Shell Nanoparticles with Controlled Optical Properties. Angewandte Chemie - International Edition, 2015, 54, 12091-12096.	13.8	69
51	A versatile strategy for uniform hybrid nanoparticles and nanocapsules. Polymer Chemistry, 2015, 6, 5190-5197.	3.9	43
52	An Unconventional Route to Monodisperse and Intimately Contacted Semiconducting Organic-Inorganic Nanocomposites. Angewandte Chemie - International Edition, 2015, 54, 4636-4640.	13.8	54
53	Unconventional Route to Hairy Plasmonic/Semiconductor Core/Shell Nanoparticles with Precisely Controlled Dimensions and Their Use in Solar Energy Conversion. Chemistry of Materials, 2015, 27, 5271-5278.	6.7	76
54	Continuous crafting of uniform colloidal nanocrystals using an inert-gas-driven microflow reactor. Nanoscale, 2015, 7, 9731-9737.	5.6	10

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55	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
56	A general route to nanocrystal kebabs periodically assembled on stretched flexible polymer shish. <i>Science Advances</i> , 2015, 1, e1500025.	10.3	69
57	Robust Route to Unimolecular Core-Shell and Hollow Polymer Nanoparticles. <i>Chemistry of Materials</i> , 2014, 26, 6058-6067.	6.7	42
58	Block copolymer/ferroelectric nanoparticle nanocomposites. <i>Nanoscale</i> , 2013, 5, 8695.	5.6	54
59	Separating Effect of a Novel Combined Magnetic Field on Inclusions in Molten Aluminum Alloy. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2012, 43, 1149-1155.	2.1	10
60	Effect of Electromagnetic Vibration on the Agglomeration Behavior of Primary Silicon in Hypereutectic Al-Si Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012, 43, 1400-1404.	2.2	4
61	Effect of combined magnetic field on the eliminating inclusions from liquid aluminum alloy. <i>Materials Letters</i> , 2011, 65, 1226-1228.	2.6	26