

Zhi-Yong Tang

List of Publications by Year in descending order

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417
papers

51,680
citations

863

117
h-index

1705

213
g-index

440
all docs

440
docs citations

440
times ranked

46964
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrathin metal-organic framework nanosheets for electrocatalytic oxygen evolution. <i>Nature Energy</i> , 2016, 1, .	19.8	1,979
2	Spontaneous Organization of Single CdTe Nanoparticles into Luminescent Nanowires. <i>Science</i> , 2002, 297, 237-240.	6.0	1,778
3	Nanostructured artificial nacre. <i>Nature Materials</i> , 2003, 2, 413-418.	13.3	1,362
4	Biomedical Applications of Layer-by-Layer Assembly: From Biomimetics to Tissue Engineering. <i>Advanced Materials</i> , 2006, 18, 3203-3224.	11.1	1,214
5	Metal-organic frameworks as selectivity regulators for hydrogenation reactions. <i>Nature</i> , 2016, 539, 76-80.	13.7	1,201
6	Ultrathin platinum nanowires grown on single-layered nickel hydroxide with high hydrogen evolution activity. <i>Nature Communications</i> , 2015, 6, 6430.	5.8	848
7	Self-Assembly of CdTe Nanocrystals into Free-Floating Sheets. <i>Science</i> , 2006, 314, 274-278.	6.0	824
8	One-Dimensional Assemblies of Nanoparticles: Preparation, Properties, and Promise. <i>Advanced Materials</i> , 2005, 17, 951-962.	11.1	749
9	MoS ₂ /Celgard Separator as Efficient Polysulfide Barrier for Long-Life Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2017, 29, 1606817.	11.1	746
10	Growth of Polypyrrole Ultrathin Films on MoS ₂ Monolayers as High-Performance Supercapacitor Electrodes. <i>Advanced Materials</i> , 2015, 27, 1117-1123.	11.1	691
11	Accurate Control of Multishelled Co ₃ O ₄ Hollow Microspheres as High-Performance Anode Materials in Lithium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6417-6420.	7.2	650
12	Structural transformation of highly active metal-organic framework electrocatalysts during the oxygen evolution reaction. <i>Nature Energy</i> , 2020, 5, 881-890.	19.8	647
13	Core-Shell Palladium Nanoparticle@Metal-Organic Frameworks as Multifunctional Catalysts for Cascade Reactions. <i>Journal of the American Chemical Society</i> , 2014, 136, 1738-1741.	6.6	632
14	Facile Synthesis of Surfactant-Free Au Cluster/Graphene Hybrids for High-Performance Oxygen Reduction Reaction. <i>ACS Nano</i> , 2012, 6, 8288-8297.	7.3	578
15	Recent progress in covalent organic framework thin films: fabrications, applications and perspectives. <i>Chemical Society Reviews</i> , 2019, 48, 488-516.	18.7	564
16	Core-Shell Noble-Metal@Metal-Organic Framework Nanoparticles with Highly Selective Sensing Property. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3741-3745.	7.2	553
17	Carbonized Nanoscale Metal-Organic Frameworks as High Performance Electrocatalyst for Oxygen Reduction Reaction. <i>ACS Nano</i> , 2014, 8, 12660-12668.	7.3	509
18	Three-Dimensional Graphene/Metal Oxide Nanoparticle Hybrids for High-Performance Capacitive Deionization of Saline Water. <i>Advanced Materials</i> , 2013, 25, 6270-6276.	11.1	499

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19	Self-assembly of self-limiting monodisperse supraparticles from polydisperse nanoparticles. <i>Nature Nanotechnology</i> , 2011, 6, 580-587.	15.6	488
20	Accurate Control of Multishelled ZnO Hollow Microspheres for Dye-Sensitized Solar Cells with High Efficiency. <i>Advanced Materials</i> , 2012, 24, 1046-1049.	11.1	482
21	Layered nanocomposites inspired by the structure and mechanical properties of nacre. <i>Chemical Society Reviews</i> , 2012, 41, 1111-1129.	18.7	454
22	A General Route to Prepare Low-Ruthenium Content Bimetallic Electrocatalysts for pH-Universal Hydrogen Evolution Reaction by Using Carbon Quantum Dots. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1718-1726.	7.2	452
23	Photocatalytic Properties of Graphdiyne and Graphene Modified TiO ₂ : From Theory to Experiment. <i>ACS Nano</i> , 2013, 7, 1504-1512.	7.3	434
24	Facile synthesis of Au@TiO ₂ core-shell hollow spheres for dye-sensitized solar cells with remarkably improved efficiency. <i>Energy and Environmental Science</i> , 2012, 5, 6914.	15.6	427
25	High-Performance Fiber-Shaped All-Solid-State Asymmetric Supercapacitors Based on Ultrathin MnO ₂ Nanosheet/Carbon Fiber Cathodes for Wearable Electronics. <i>Advanced Energy Materials</i> , 2016, 6, 1501458.	10.2	409
26	Co ₃ O ₄ Hexagonal Platelets with Controllable Facets Enabling Highly Efficient Visible-Light Photocatalytic Reduction of CO ₂ . <i>Advanced Materials</i> , 2016, 28, 6485-6490.	11.1	395
27	Ultrathin two-dimensional layered metal hydroxides: an emerging platform for advanced catalysis, energy conversion and storage. <i>Chemical Society Reviews</i> , 2016, 45, 4873-4891.	18.7	383
28	Metal-Organic Frameworks Encapsulating Active Nanoparticles as Emerging Composites for Catalysis: Recent Progress and Perspectives. <i>Advanced Materials</i> , 2018, 30, e1800702.	11.1	362
29	A Highly Efficient Non-Fullerene Organic Solar Cell with a Fill Factor over 0.80 Enabled by a Fine-Tuned Hole-Transporting Layer. <i>Advanced Materials</i> , 2018, 30, e1801801.	11.1	360
30	Multi-shelled metal oxides prepared via an anion-adsorption mechanism for lithium-ion batteries. <i>Nature Energy</i> , 2016, 1, .	19.8	352
31	Core-Shell Upconversion Nanoparticle@Metal-Organic Framework Nanoprobes for Luminescent/Magnetic Dual-Mode Targeted Imaging. <i>Advanced Materials</i> , 2015, 27, 4075-4080.	11.1	348
32	Noble metal nanoparticle@metal oxide core/shell nanostructures as catalysts: recent progress and perspective. <i>Nanoscale</i> , 2014, 6, 3995-4011.	2.8	347
33	Selective Synthesis of Single-Crystalline Rhombic Dodecahedral, Octahedral, and Cubic Gold Nanocrystals. <i>Journal of the American Chemical Society</i> , 2009, 131, 697-703.	6.6	316
34	Reversible Plasmonic Circular Dichroism of Au Nanorod and DNA Assemblies. <i>Journal of the American Chemical Society</i> , 2012, 134, 3322-3325.	6.6	307
35	Efficient Electrocatalytic Water Oxidation by Using Amorphous Ni-Co Double Hydroxides Nanocages. <i>Advanced Energy Materials</i> , 2015, 5, 1401880.	10.2	307
36	Single Atom Ruthenium-Doped CoP/CDs Nanosheets via Splicing of Carbon Dots for Robust Hydrogen Production. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7234-7244.	7.2	306

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37	Microporous membranes comprising conjugated polymers with rigid backbones enable ultrafast organic-solvent nanofiltration. <i>Nature Chemistry</i> , 2018, 10, 961-967.	6.6	295
38	Metal-Organic Framework Supported Gold Nanoparticles as a Highly Active Heterogeneous Catalyst for Aerobic Oxidation of Alcohols. <i>Journal of Physical Chemistry C</i> , 2010, 114, 13362-13369.	1.5	292
39	Accurate Control of Multishelled Co_3O_4 Hollow Microspheres as High-Performance Anode Materials in Lithium-Ion Batteries. <i>Angewandte Chemie</i> , 2013, 125, 6545-6548.	1.6	290
40	Insights into photoluminescence mechanisms of carbon dots: advances and perspectives. <i>Science Bulletin</i> , 2021, 66, 839-856.	4.3	288
41	Quintuple-Shelled SnO_2 Hollow Microspheres with Superior Light Scattering for High-Performance Dye-Sensitized Solar Cells. <i>Advanced Materials</i> , 2014, 26, 905-909.	11.1	283
42	Ultratough Artificial Nacre Based on Conjugated Cross-Linked Graphene Oxide. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3750-3755.	7.2	278
43	Multifunctional Nanoparticle@MOF Core-Shell Nanostructures. <i>Advanced Materials</i> , 2013, 25, 5819-5825.	11.1	277
44	Bioinspired Layered Materials with Superior Mechanical Performance. <i>Accounts of Chemical Research</i> , 2014, 47, 1256-1266.	7.6	276
45	Recent Progress on Two-Dimensional Materials. <i>Wuli Huaxue Xuebao/ Acta Physico-Chimica Sinica</i> , 2021, .	2.2	269
46	Uncovering the Circular Polarization Potential of Chiral Photonic Cellulose Films for Photonic Applications. <i>Advanced Materials</i> , 2018, 30, e1705948.	11.1	264
47	Mechanism of Strong Luminescence Photoactivation of Citrate-Stabilized Water-Soluble Nanoparticles with CdSe Cores. <i>Journal of Physical Chemistry B</i> , 2004, 108, 15461-15469.	1.2	263
48	Multi-shelled CeO_2 hollow microspheres as superior photocatalysts for water oxidation. <i>Nanoscale</i> , 2014, 6, 4072-4077.	2.8	262
49	Ultrathin Nitrogen-Doped Holey Carbon@Graphene Bifunctional Electrocatalyst for Oxygen Reduction and Evolution Reactions in Alkaline and Acidic Media. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16511-16515.	7.2	261
50	Facile synthesis of core-shell Au@CeO ₂ nanocomposites with remarkably enhanced catalytic activity for CO oxidation. <i>Energy and Environmental Science</i> , 2012, 5, 8937.	15.6	258
51	Magnetic polydopamine decorated with Mg-Al LDH nanoflakes as a novel bio-based adsorbent for simultaneous removal of potentially toxic metals and anionic dyes. <i>Journal of Materials Chemistry A</i> , 2016, 4, 1737-1746.	5.2	251
52	Synthesis and Shape-Tailoring of Copper Sulfide/Indium Sulfide-Based Nanocrystals. <i>Journal of the American Chemical Society</i> , 2008, 130, 13152-13161.	6.6	246
53	Similar Topological Origin of Chiral Centers in Organic and Nanoscale Inorganic Structures: Effect of Stabilizer Chirality on Optical Isomerism and Growth of CdTe Nanocrystals. <i>Journal of the American Chemical Society</i> , 2010, 132, 6006-6013.	6.6	243
54	Molecular Architecture of Cobalt Porphyrin Multilayers on Reduced Graphene Oxide Sheets for High-Performance Oxygen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5585-5589.	7.2	242

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55	Boosting Hot Electrons in Hetero-superstructures for Plasmon-Enhanced Catalysis. <i>Journal of the American Chemical Society</i> , 2017, 139, 17964-17972.	6.6	241
56	Near-infrared emissive carbon dots with 33.96% emission in aqueous solution for cellular sensing and light-emitting diodes. <i>Science Bulletin</i> , 2019, 64, 1285-1292.	4.3	240
57	Efficient Polysulfide Chemisorption in Covalent Organic Frameworks for High-Performance Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2016, 6, 1601250.	10.2	231
58	Chiral inorganic nanoparticles: origin, optical properties and bioapplications. <i>Nanoscale</i> , 2011, 3, 1374.	2.8	215
59	A redox-active 2D covalent organic framework with pyridine moieties capable of faradaic energy storage. <i>Journal of Materials Chemistry A</i> , 2016, 4, 16312-16317.	5.2	213
60	Full Assessment of Fate and Physiological Behavior of Quantum Dots Utilizing <i>Caenorhabditis elegans</i> as a Model Organism. <i>Nano Letters</i> , 2011, 11, 3174-3183.	4.5	212
61	Chirality of Glutathione Surface Coating Affects the Cytotoxicity of Quantum Dots. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5860-5864.	7.2	210
62	Hollow Metal-Organic Framework Micro/Nanostructures and their Derivatives: Emerging Multifunctional Materials. <i>Advanced Materials</i> , 2019, 31, e1803291.	11.1	210
63	Manipulation of Collective Optical Activity in One-Dimensional Plasmonic Assembly. <i>ACS Nano</i> , 2012, 6, 2326-2332.	7.3	209
64	Three-dimensional graphene/Pt nanoparticle composites as freestanding anode for enhancing performance of microbial fuel cells. <i>Science Advances</i> , 2015, 1, e1500372.	4.7	209
65	Superstructures and SERS Properties of Gold Nanocrystals with Different Shapes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1593-1596.	7.2	206
66	Self-assembly of noble metal nanocrystals: Fabrication, optical property, and application. <i>Nano Today</i> , 2012, 7, 564-585.	6.2	202
67	A Biopolymer Heparin Sodium Interlayer Anchoring TiO_2 and MAPbI_3 Enhances Trap Passivation and Device Stability in Perovskite Solar Cells. <i>Advanced Materials</i> , 2018, 30, e1706924.	11.1	199
68	A self-sponsored doping approach for controllable synthesis of S and N co-doped trimodal-porous structured graphitic carbon electrocatalysts. <i>Energy and Environmental Science</i> , 2014, 7, 3720-3726.	15.6	198
69	Multicolor Luminescence Patterning by Photoactivation of Semiconductor Nanoparticle Films. <i>Journal of the American Chemical Society</i> , 2003, 125, 2830-2831.	6.6	195
70	Rational Design of Multi-Color Emissive Carbon Dots in a Single Reaction System by Hydrothermal. <i>Advanced Science</i> , 2021, 8, 2001453.	5.6	194
71	Nanoparticle assemblies for biological and chemical sensing. <i>Journal of Materials Chemistry</i> , 2010, 20, 24-35.	6.7	193
72	Acellular Synthesis of a Human Enamel-like Microstructure. <i>Advanced Materials</i> , 2006, 18, 1846-1851.	11.1	191

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73	Design and Application of Inorganic Nanoparticle Superstructures: Current Status and Future challenges. <i>Small</i> , 2011, 7, 2133-2146.	5.2	191
74	Highly-sensitive organophosphorous pesticide biosensors based on nanostructured films of acetylcholinesterase and CdTe quantum dots. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3081-3085.	5.3	191
75	Chiral gold nanoparticles enantioselectively rescue memory deficits in a mouse model of Alzheimer's disease. <i>Nature Communications</i> , 2020, 11, 4790.	5.8	188
76	Self-Assembly of Chiral Gold Clusters into Crystalline Nanocubes of Exceptional Optical Activity. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15397-15401.	7.2	185
77	Three dimensional N-doped graphene/PtRu nanoparticle hybrids as high performance anode for direct methanol fuel cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3719.	5.2	183
78	Gold Nanorod@Chiral Mesoporous Silica Core-shell Nanoparticles with Unique Optical Properties. <i>Journal of the American Chemical Society</i> , 2013, 135, 9659-9664.	6.6	182
79	Strong circularly polarized luminescence from the supramolecular gels of an achiral gelator: tunable intensity and handedness. <i>Chemical Science</i> , 2015, 6, 4267-4272.	3.7	181
80	Ultrathin Transition Metal Dichalcogenide/3d Metal Hydroxide Hybridized Nanosheets to Enhance Hydrogen Evolution Activity. <i>Advanced Materials</i> , 2018, 30, e1801171.	11.1	180
81	Supercapacitor electrode materials with hierarchically structured pores from carbonization of MWCNTs and ZIF-8 composites. <i>Nanoscale</i> , 2017, 9, 2178-2187.	2.8	179
82	Membrane Separation in Organic Liquid: Technologies, Achievements, and Opportunities. <i>Advanced Materials</i> , 2019, 31, e1806090.	11.1	178
83	Polyoxometalate-based functional nanostructured films: Current progress and future prospects. <i>Nano Today</i> , 2010, 5, 267-281.	6.2	176
84	Glucose Biosensor Based on Nanocomposite Films of CdTe Quantum Dots and Glucose Oxidase. <i>Langmuir</i> , 2009, 25, 6580-6586.	1.6	174
85	Facile Means of Preparing Superamphiphobic Surfaces on Common Engineering Metals. <i>Journal of Physical Chemistry C</i> , 2008, 112, 11454-11458.	1.5	173
86	Reversible Photoswitchable Fluorescence in Thin Films of Inorganic Nanoparticle and Polyoxometalate Assemblies. <i>Journal of the American Chemical Society</i> , 2010, 132, 2886-2888.	6.6	171
87	Designed controllable nitrogen-doped carbon-dots-loaded MoP nanoparticles for boosting hydrogen evolution reaction in alkaline medium. <i>Nano Energy</i> , 2020, 72, 104730.	8.2	171
88	Coordination-responsive drug release inside gold nanorod@metal-organic framework core-shell nanostructures for near-infrared-induced synergistic chemo-photothermal therapy. <i>Nano Research</i> , 2018, 11, 3294-3305.	5.8	170
89	Electrochemical Reduction of CO ₂ over Heterogeneous Catalysts in Aqueous Solution: Recent Progress and Perspectives. <i>Small Methods</i> , 2019, 3, 1800369.	4.6	168
90	Rational Design of Multicolor-Emitting Chiral Carbonized Polymer Dots for Full-Color and White Circularly Polarized Luminescence. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14091-14099.	7.2	168

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91	Reordering d Orbital Energies of Single-Site Catalysts for CO ₂ Electroreduction. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12711-12716.	7.2	166
92	One dimensional CuInS ₂ -ZnS heterostructured nanomaterials as low-cost and high-performance counter electrodes of dye-sensitized solar cells. <i>Energy and Environmental Science</i> , 2013, 6, 835.	15.6	164
93	Circularly polarised phosphorescent photoluminescence and electroluminescence of iridium complexes. <i>Scientific Reports</i> , 2015, 5, 14912.	1.6	157
94	Conformation Modulated Optical Activity Enhancement in Chiral Cysteine and Au Nanorod Assemblies. <i>Journal of the American Chemical Society</i> , 2014, 136, 16104-16107.	6.6	156
95	Integration of Conductivity, Transparency, and Mechanical Strength into Highly Homogeneous Layer-by-Layer Composites of Single-Walled Carbon Nanotubes for Optoelectronics. <i>Chemistry of Materials</i> , 2007, 19, 5467-5474.	3.2	154
96	Pt-Ni Alloy Nanoparticles as Superior Counter Electrodes for Dye-Sensitized Solar Cells: Experimental and Theoretical Understanding. <i>Advanced Materials</i> , 2014, 26, 8101-8106.	11.1	149
97	Counterintuitive Effect of Molecular Strength and Role of Molecular Rigidity on Mechanical Properties of Layer-by-Layer Assembled Nanocomposites. <i>Nano Letters</i> , 2007, 7, 1224-1231.	4.5	147
98	Simulations and Analysis of Self-Assembly of CdTe Nanoparticles into Wires and Sheets. <i>Nano Letters</i> , 2007, 7, 1670-1675.	4.5	147
99	High production-yield solid-state carbon dots with tunable photoluminescence for white/multi-color light-emitting diodes. <i>Science Bulletin</i> , 2019, 64, 1788-1794.	4.3	147
100	Preparation and 31P NMR Characterization of Nickel Phosphides on Silica. <i>Journal of Catalysis</i> , 2002, 208, 456-466.	3.1	146
101	Simple Preparation Strategy and One-Dimensional Energy Transfer in CdTe Nanoparticle Chains. <i>Journal of Physical Chemistry B</i> , 2004, 108, 6927-6931.	1.2	143
102	Shape-dependent ordering of gold nanocrystals into large-scale superlattices. <i>Nature Communications</i> , 2017, 8, 14038.	5.8	141
103	Insight into Structural Evolution, Active Sites, and Stability of Heterogeneous Electrocatalysts. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	140
104	Shape-dependent electrocatalytic activity of monodispersed gold nanocrystals toward glucose oxidation. <i>Chemical Communications</i> , 2011, 47, 6894.	2.2	138
105	New Insight into the Role of Gold Nanoparticles in Au@CdS Core-Shell Nanostructures for Hydrogen Evolution. <i>Small</i> , 2014, 10, 4664-4670.	5.2	138
106	Spontaneous Transformation of Stabilizer-Depleted Binary Semiconductor Nanoparticles into Selenium and Tellurium Nanowires. <i>Advanced Materials</i> , 2005, 17, 358-363.	11.1	137
107	Bioinspired Layered Composites Based on Flattened Double-Walled Carbon Nanotubes. <i>Advanced Materials</i> , 2012, 24, 1838-1843.	11.1	137
108	Effective and Selective Catalysts for Cinnamaldehyde Hydrogenation: Hydrophobic Hybrids of Metal-Organic Frameworks, Metal Nanoparticles, and Micro- and Mesoporous Polymers. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5708-5713.	7.2	137

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109	Tunable chiral metal organic frameworks toward visible light-driven asymmetric catalysis. <i>Science Advances</i> , 2017, 3, e1701162.	4.7	136
110	Hydrothermal Transformation of Dried Grass into Graphitic Carbon-Based High Performance Electrocatalyst for Oxygen Reduction Reaction. <i>Small</i> , 2014, 10, 3371-3378.	5.2	135
111	Selective photocatalytic oxidation of methane by quantum-sized bismuth vanadate. <i>Nature Sustainability</i> , 2021, 4, 509-515.	11.5	135
112	Encapsulation of Plasmid DNA by Nanoscale Metal-Organic Frameworks for Efficient Gene Transportation and Expression. <i>Advanced Materials</i> , 2019, 31, e1901570.	11.1	130
113	Metal-organic frameworks as catalytic selectivity regulators for organic transformations. <i>Chemical Society Reviews</i> , 2021, 50, 5366-5396.	18.7	130
114	Optical Coupling Between Chiral Biomolecules and Semiconductor Nanoparticles: Size-Dependent Circular Dichroism Absorption. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11456-11459.	7.2	126
115	Solar-Light-Driven Renewable Butanol Separation by Core-Shell Ag@ZIF-8 Nanowires. <i>Advanced Materials</i> , 2015, 27, 3273-3277.	11.1	126
116	Self-Assembled Chiral Nanofibers from Ultrathin Low-Dimensional Nanomaterials. <i>Journal of the American Chemical Society</i> , 2015, 137, 1565-1571.	6.6	123
117	Raisin Bun-Like Nanocomposites of Palladium Clusters and Porphyrin for Superior Formic Acid Oxidation. <i>Advanced Materials</i> , 2013, 25, 2728-2732.	11.1	120
118	Molecular engineering of Ni/Co-porphyrin multilayers on reduced graphene oxide sheets as bifunctional catalysts for oxygen evolution and oxygen reduction reactions. <i>Chemical Science</i> , 2016, 7, 5640-5646.	3.7	120
119	Nanostructured Thin Films Made by Dewetting Method of Layer-By-Layer Assembly. <i>Nano Letters</i> , 2007, 7, 3266-3273.	4.5	118
120	Ultrathin Chiral Metal-Organic Framework Nanosheets for Efficient Enantioselective Separation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6873-6877.	7.2	115
121	Mirror-Like Photoconductive Layer-by-Layer Thin Films of Te Nanowires: The Fusion of Semiconductor, Metal, and Insulator Properties. <i>Advanced Materials</i> , 2006, 18, 518-522.	11.1	113
122	Biomimetic Chiral Photonic Crystals. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7783-7787.	7.2	113
123	Advancing osmotic power generation by covalent organic framework monolayer. <i>Nature Nanotechnology</i> , 2022, 17, 622-628.	15.6	113
124	Spontaneous Organization of Inorganic Nanoparticles into Nanovesicles Triggered by UV Light. <i>Advanced Materials</i> , 2014, 26, 5613-5618.	11.1	112
125	Perspective of Chiral Colloidal Semiconductor Nanocrystals: Opportunity and Challenge. <i>Journal of the American Chemical Society</i> , 2019, 141, 13700-13707.	6.6	111
126	Membrane-Free Zn/MnO ₂ Flow Battery for Large-Scale Energy Storage. <i>Advanced Energy Materials</i> , 2020, 10, 1902085.	10.2	111

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127	Theoretical Understanding of Structure–Property Relationships in Luminescence of Carbon Dots. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 7671-7687.	2.1	111
128	Twisted Metal–Amino Acid Nanobelts: Chirality Transcription from Molecules to Frameworks. <i>Journal of the American Chemical Society</i> , 2010, 132, 8202-8209.	6.6	110
129	Excitonic Circular Dichroism of Chiral Quantum Rods. <i>Journal of the American Chemical Society</i> , 2017, 139, 8734-8739.	6.6	110
130	Applications of Nanomaterials in Asymmetric Photocatalysis: Recent Progress, Challenges, and Opportunities. <i>Advanced Materials</i> , 2021, 33, e2001731.	11.1	108
131	Halogen-Doped Carbon Dots on Amorphous Cobalt Phosphide as Robust Electrocatalysts for Overall Water Splitting. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	108
132	Circular Dichroism Studies on Plasmonic Nanostructures. <i>Small</i> , 2017, 13, 1601115.	5.2	107
133	Synthesis of Fluorapatite Nanorods and Nanowires by Direct Precipitation from Solution. <i>Crystal Growth and Design</i> , 2006, 6, 1504-1508.	1.4	106
134	±-Synuclein Protofibrils Inhibit 26 S Proteasome-mediated Protein Degradation. <i>Journal of Biological Chemistry</i> , 2008, 283, 20288-20298.	1.6	106
135	Monodisperse inorganic supraparticles: formation mechanism, properties and applications. <i>Chemical Communications</i> , 2012, 48, 6320.	2.2	105
136	Circularly Polarized Luminescent Carbon Dot Nanomaterials of Helical Superstructures for Circularly Polarized Light Detection. <i>Advanced Optical Materials</i> , 2018, 6, 1801246.	3.6	105
137	Enantioseparation of Au ₂₀ (PP ₃) ₄ Cl ₄ Clusters with Intrinsically Chiral Cores. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9059-9063.	7.2	104
138	Mesoporous Silica Nanoparticles Carrier for Urea: Potential Applications in Agrochemical Delivery Systems. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 2221-2228.	0.9	103
139	Red-emitting, self-oxidizing carbon dots for the preparation of white LEDs with super-high color rendering index. <i>Science China Chemistry</i> , 2021, 64, 1547-1553.	4.2	103
140	Self-assembled inorganic chiral superstructures. <i>Nature Reviews Chemistry</i> , 2022, 6, 125-145.	13.8	102
141	Can Nature's Design be Improved Upon? High Strength, Transparent Nacre-Like Nanocomposites with Double Network of Sacrificial Cross Links. <i>Journal of Physical Chemistry B</i> , 2008, 112, 14359-14363.	1.2	101
142	Circularly polarized luminescence in chiral materials. <i>Matter</i> , 2022, 5, 837-875.	5.0	100
143	One-step solid phase synthesis of a highly efficient and robust cobalt pentlandite electrocatalyst for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18314-18321.	5.2	97
144	Fabrication of Highly Stable Metal Oxide Hollow Nanospheres and Their Catalytic Activity toward 4-Nitrophenol Reduction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 18207-18214.	4.0	97

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145	Recent advances in chiral carbonized polymer dots: From synthesis and properties to applications. <i>Nano Today</i> , 2020, 34, 100953.	6.2	95
146	Advanced photocatalysts based on metal nanoparticle/metal-organic framework composites. <i>Nano Research</i> , 2021, 14, 2037.	5.8	95
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