

# Zhi-Yong Tang

## List of Publications by Citations

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402  
papers

40,135  
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105  
h-index

190  
g-index

440  
ext. papers

45,878  
ext. citations

12.2  
avg, IF

7.84  
L-index

#	Paper	IF	Citations
402	Spontaneous organization of single CdTe nanoparticles into luminescent nanowires. <i>Science</i> , <b>2002</b> , 297, 237-40	33.3	1677
401	Ultrathin metal-organic framework nanosheets for electrocatalytic oxygen evolution. <i>Nature Energy</i> , <b>2016</b> , 1,	62.3	1444
400	Nanostructured artificial nacre. <i>Nature Materials</i> , <b>2003</b> , 2, 413-8	27	1225
399	Biomedical Applications of Layer-by-Layer Assembly: From Biomimetics to Tissue Engineering. <i>Advanced Materials</i> , <b>2006</b> , 18, 3203-3224	24	1138
398	Metal-organic frameworks as selectivity regulators for hydrogenation reactions. <i>Nature</i> , <b>2016</b> , 539, 76-80	30.4	925
397	Self-assembly of CdTe nanocrystals into free-floating sheets. <i>Science</i> , <b>2006</b> , 314, 274-8	33.3	772
396	Ultrathin platinum nanowires grown on single-layered nickel hydroxide with high hydrogen evolution activity. <i>Nature Communications</i> , <b>2015</b> , 6, 6430	17.4	719
395	One-Dimensional Assemblies of Nanoparticles: Preparation, Properties, and Promise. <i>Advanced Materials</i> , <b>2005</b> , 17, 951-962	24	716
394	Growth of polypyrrole ultrathin films on MoS <sub>2</sub> monolayers as high-performance supercapacitor electrodes. <i>Advanced Materials</i> , <b>2015</b> , 27, 1117-23	24	602
393	Accurate control of multishelled Co <sub>3</sub> O <sub>4</sub> hollow microspheres as high-performance anode materials in lithium-ion batteries. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 6417-20	16.4	580
392	MoS <sub>2</sub> /Celgard Separator as Efficient Polysulfide Barrier for Long-Life Lithium-Sulfur Batteries. <i>Advanced Materials</i> , <b>2017</b> , 29, 1606817	24	561
391	Core-shell palladium nanoparticle@metal-organic frameworks as multifunctional catalysts for cascade reactions. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 1738-41	16.4	557
390	Facile synthesis of surfactant-free Au cluster/graphene hybrids for high-performance oxygen reduction reaction. <i>ACS Nano</i> , <b>2012</b> , 6, 8288-97	16.7	537
389	Core-shell noble-metal@metal-organic-framework nanoparticles with highly selective sensing property. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 3741-5	16.4	475
388	Accurate control of multishelled ZnO hollow microspheres for dye-sensitized solar cells with high efficiency. <i>Advanced Materials</i> , <b>2012</b> , 24, 1046-9	24	457
387	Carbonized nanoscale metal-organic frameworks as high performance electrocatalyst for oxygen reduction reaction. <i>ACS Nano</i> , <b>2014</b> , 8, 12660-8	16.7	456
386	Three-dimensional graphene/metal oxide nanoparticle hybrids for high-performance capacitive deionization of saline water. <i>Advanced Materials</i> , <b>2013</b> , 25, 6270-6	24	437

385	Self-assembly of self-limiting monodisperse supraparticles from polydisperse nanoparticles. <i>Nature Nanotechnology</i> , <b>2011</b> , 6, 580-7	28.7	429
384	Facile synthesis of Au@TiO <sub>2</sub> core-shell hollow spheres for dye-sensitized solar cells with remarkably improved efficiency. <i>Energy and Environmental Science</i> , <b>2012</b> , 5, 6914	35.4	404
383	Recent progress in covalent organic framework thin films: fabrications, applications and perspectives. <i>Chemical Society Reviews</i> , <b>2019</b> , 48, 488-516	58.5	390
382	Layered nanocomposites inspired by the structure and mechanical properties of nacre. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 1111-29	58.5	377
381	Photocatalytic properties of graphdiyne and graphene modified TiO <sub>2</sub> from theory to experiment. <i>ACS Nano</i> , <b>2013</b> , 7, 1504-12	16.7	373
380	High-Performance Fiber-Shaped All-Solid-State Asymmetric Supercapacitors Based on Ultrathin MnO <sub>2</sub> Nanosheet/Carbon Fiber Cathodes for Wearable Electronics. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1501458	21.8	362
379	Multi-shelled metal oxides prepared via an anion-adsorption mechanism for lithium-ion batteries. <i>Nature Energy</i> , <b>2016</b> , 1,	62.3	304
378	Ultrathin two-dimensional layered metal hydroxides: an emerging platform for advanced catalysis, energy conversion and storage. <i>Chemical Society Reviews</i> , <b>2016</b> , 45, 4873-91	58.5	302
377	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> , <b>2018</b> , 30, e1801801	24	299
376	Noble metal nanoparticle@metal oxide core/yolk-shell nanostructures as catalysts: recent progress and perspective. <i>Nanoscale</i> , <b>2014</b> , 6, 3995-4011	7.7	298
375	Co <sub>3</sub> O <sub>4</sub> Hexagonal Platelets with Controllable Facets Enabling Highly Efficient Visible-Light Photocatalytic Reduction of CO <sub>2</sub> . <i>Advanced Materials</i> , <b>2016</b> , 28, 6485-90	24	296
374	Core-Shell Upconversion Nanoparticle@Metal-Organic Framework Nanoprobes for Luminescent/Magnetic Dual-Mode Targeted Imaging. <i>Advanced Materials</i> , <b>2015</b> , 27, 4075-80	24	294
373	Reversible plasmonic circular dichroism of Au nanorod and DNA assemblies. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 3322-5	16.4	285
372	Structural transformation of highly active metal-organic framework electrocatalysts during the oxygen evolution reaction. <i>Nature Energy</i> , <b>2020</b> , 5, 881-890	62.3	280
371	Selective synthesis of single-crystalline rhombic dodecahedral, octahedral, and cubic gold nanocrystals. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 697-703	16.4	279
370	Metal-Organic Framework Supported Gold Nanoparticles as a Highly Active Heterogeneous Catalyst for Aerobic Oxidation of Alcohols. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 13362-13369	3.8	266
369	Accurate Control of Multishelled Co <sub>3</sub> O <sub>4</sub> Hollow Microspheres as High-Performance Anode Materials in Lithium-Ion Batteries. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 6545-6548	3.6	264
368	Quintuple-shelled SnO(2) hollow microspheres with superior light scattering for high-performance dye-sensitized solar cells. <i>Advanced Materials</i> , <b>2014</b> , 26, 905-9	24	260

367	Mechanism of Strong Luminescence Photoactivation of Citrate-Stabilized Water-Soluble Nanoparticles with CdSe Cores. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 15461-15469	3.4	254
366	Multifunctional nanoparticle@MOF core-shell nanostructures. <i>Advanced Materials</i> , <b>2013</b> , 25, 5819-25	24	253
365	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> , <b>2020</b> , 59, 1718-1726	16.4	250
364	Ultratough artificial nacre based on conjugated cross-linked graphene oxide. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 3750-5	16.4	249
363	Metal-Organic Frameworks Encapsulating Active Nanoparticles as Emerging Composites for Catalysis: Recent Progress and Perspectives. <i>Advanced Materials</i> , <b>2018</b> , 30, e1800702	24	248
362	Efficient Electrocatalytic Water Oxidation by Using Amorphous Ni <sub>2</sub> O Double Hydroxides Nanocages. <i>Advanced Energy Materials</i> , <b>2015</b> , 5, 1401880	21.8	243
361	Bioinspired layered materials with superior mechanical performance. <i>Accounts of Chemical Research</i> , <b>2014</b> , 47, 1256-66	24.3	236
360	Synthesis and shape-tailoring of copper sulfide/indium sulfide-based nanocrystals. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 13152-61	16.4	233
359	Facile synthesis of core-shell Au@CeO <sub>2</sub> nanocomposites with remarkably enhanced catalytic activity for CO oxidation. <i>Energy and Environmental Science</i> , <b>2012</b> , 5, 8937	35.4	232
358	Multi-shelled CeO <sub>2</sub> hollow microspheres as superior photocatalysts for water oxidation. <i>Nanoscale</i> , <b>2014</b> , 6, 4072-7	7.7	226
357	Molecular architecture of cobalt porphyrin multilayers on reduced graphene oxide sheets for high-performance oxygen reduction reaction. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 5585-9	16.4	226
356	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> , <b>2010</b> , 132, 6006-13	16.4	218
355	Magnetic polydopamine decorated with MgAl 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> , <b>2016</b> , 4, 1737-1746	13	209
354	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> , <b>2018</b> , 57, 16511-16515	16.4	190
353	Microporous membranes comprising conjugated polymers with rigid backbones enable ultrafast organic-solvent nanofiltration. <i>Nature Chemistry</i> , <b>2018</b> , 10, 961-967	17.6	189
352	Manipulation of collective optical activity in one-dimensional plasmonic assembly. <i>ACS Nano</i> , <b>2012</b> , 6, 2326-32	16.7	189
351	Superstructures and SERS properties of gold nanocrystals with different shapes. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 1593-6	16.4	189
350	Full assessment of fate and physiological behavior of quantum dots utilizing <i>Caenorhabditis elegans</i> as a model organism. <i>Nano Letters</i> , <b>2011</b> , 11, 3174-83	11.5	188

349	Chirality of glutathione surface coating affects the cytotoxicity of quantum dots. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 5860-4	16.4	184
348	Nanoparticle assemblies for biological and chemical sensing. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 24-35		181
347	Efficient Polysulfide Chemisorption in Covalent Organic Frameworks for High-Performance Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1601250	21.8	181
346	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> , <b>2014</b> , 7, 3720-3726	35.4	180
345	Self-assembly of noble metal nanocrystals: Fabrication, optical property, and application. <i>Nano Today</i> , <b>2012</b> , 7, 564-585	17.9	178
344	Multicolor luminescence patterning by photoactivation of semiconductor nanoparticle films. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 2830-1	16.4	178
343	Design and application of inorganic nanoparticle superstructures: current status and future challenges. <i>Small</i> , <b>2011</b> , 7, 2133-46	11	177
342	Chiral inorganic nanoparticles: origin, optical properties and bioapplications. <i>Nanoscale</i> , <b>2011</b> , 3, 1374-82	7.7	174
341	Uncovering the Circular Polarization Potential of Chiral Photonic Cellulose Films for Photonic Applications. <i>Advanced Materials</i> , <b>2018</b> , 30, e1705948	24	173
340	Near-infrared emissive carbon dots with 33.96% emission in aqueous solution for cellular sensing and light-emitting diodes. <i>Science Bulletin</i> , <b>2019</b> , 64, 1285-1292	10.6	173
339	Acellular Synthesis of a Human Enamel-like Microstructure. <i>Advanced Materials</i> , <b>2006</b> , 18, 1846-1851	24	167
338	Polyoxometalate-based functional nanostructured films: Current progress and future prospects. <i>Nano Today</i> , <b>2010</b> , 5, 267-281	17.9	166
337	Three dimensional N-doped graphene/PtRu nanoparticle hybrids as high performance anode for direct methanol fuel cells. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 3719	13	165
336	Highly-sensitive organophosphorous pesticide biosensors based on nanostructured films of acetylcholinesterase and CdTe quantum dots. <i>Biosensors and Bioelectronics</i> , <b>2011</b> , 26, 3081-5	11.8	162
335	One dimensional CuInS <sub>2</sub> /ZnS heterostructured nanomaterials as low-cost and high-performance counter electrodes of dye-sensitized solar cells. <i>Energy and Environmental Science</i> , <b>2013</b> , 6, 835	35.4	159
334	Boosting Hot Electrons in Hetero-superstructures for Plasmon-Enhanced Catalysis. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 17964-17972	16.4	158
333	Three-dimensional graphene/Pt nanoparticle composites as freestanding anode for enhancing performance of microbial fuel cells. <i>Science Advances</i> , <b>2015</b> , 1, e1500372	14.3	157
332	Reversible photoswitchable fluorescence in thin films of inorganic nanoparticle and polyoxometalate assemblies. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 2886-8	16.4	157

331	Strong circularly polarized luminescence from the supramolecular gels of an achiral gelator: tunable intensity and handedness. <i>Chemical Science</i> , <b>2015</b> , 6, 4267-4272	9.4	156
330	Gold nanorod@chiral mesoporous silica core-shell nanoparticles with unique optical properties. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 9659-64	16.4	156
329	Glucose biosensor based on nanocomposite films of CdTe quantum dots and glucose oxidase. <i>Langmuir</i> , <b>2009</b> , 25, 6580-6	4	156
328	Facile Means of Preparing Superamphiphobic Surfaces on Common Engineering Metals. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 11454-11458	3.8	156
327	A redox-active 2D covalent organic framework with pyridine moieties capable of faradaic energy storage. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 16312-16317	13	147
326	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> , <b>2007</b> , 19, 5467-5474	9.6	145
325	Pt-Ni alloy nanoparticles as superior counter electrodes for dye-sensitized solar cells: experimental and theoretical understanding. <i>Advanced Materials</i> , <b>2014</b> , 26, 8101-6	24	144
324	A Biopolymer Heparin Sodium Interlayer Anchoring TiO and MAPbI Enhances Trap Passivation and Device Stability in Perovskite Solar Cells. <i>Advanced Materials</i> , <b>2018</b> , 30, e1706924	24	141
323	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> , <b>2018</b> , 11, 3294-3305	10	137
322	Supercapacitor electrode materials with hierarchically structured pores from carbonization of MWCNTs and ZIF-8 composites. <i>Nanoscale</i> , <b>2017</b> , 9, 2178-2187	7.7	136
321	Simulations and analysis of self-assembly of CdTe nanoparticles into wires and sheets. <i>Nano Letters</i> , <b>2007</b> , 7, 1670-5	11.5	134
320	Simple Preparation Strategy and One-Dimensional Energy Transfer in CdTe Nanoparticle Chains. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 6927-6931	3.4	134
319	Ultrathin Transition Metal Dichalcogenide/3d Metal Hydroxide Hybridized Nanosheets to Enhance Hydrogen Evolution Activity. <i>Advanced Materials</i> , <b>2018</b> , 30, e1801171	24	134
318	Counterintuitive effect of molecular strength and role of molecular rigidity on mechanical properties of layer-by-layer assembled nanocomposites. <i>Nano Letters</i> , <b>2007</b> , 7, 1224-31	11.5	133
317	Spontaneous Transformation of Stabilizer-Depleted Binary Semiconductor Nanoparticles into Selenium and Tellurium Nanowires. <i>Advanced Materials</i> , <b>2005</b> , 17, 358-363	24	133
316	Bioinspired layered composites based on flattened double-walled carbon nanotubes. <i>Advanced Materials</i> , <b>2012</b> , 24, 1838-43	24	128
315	Self-Assembly of Chiral Gold Clusters into Crystalline Nanocubes of Exceptional Optical Activity. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 15397-15401	16.4	127
314	Shape-dependent electrocatalytic activity of monodispersed gold nanocrystals toward glucose oxidation. <i>Chemical Communications</i> , <b>2011</b> , 47, 6894-6	5.8	127

313	Conformation modulated optical activity enhancement in chiral cysteine and au nanorod assemblies. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 16104-7	16.4	124
312	New insight into the role of gold nanoparticles in Au@CdS core-shell nanostructures for hydrogen evolution. <i>Small</i> , <b>2014</b> , 10, 4664-70	11	123
311	Hollow Metal-Organic-Framework Micro/Nanostructures and their Derivatives: Emerging Multifunctional Materials. <i>Advanced Materials</i> , <b>2019</b> , 31, e1803291	24	123
310	Hydrothermal transformation of dried grass into graphitic carbon-based high performance electrocatalyst for oxygen reduction reaction. <i>Small</i> , <b>2014</b> , 10, 3371-8	11	122
309	Preparation and 31P NMR Characterization of Nickel Phosphides on Silica. <i>Journal of Catalysis</i> , <b>2002</b> , 208, 456-466	7.3	122
308	Circularly polarised phosphorescent photoluminescence and electroluminescence of iridium complexes. <i>Scientific Reports</i> , <b>2015</b> , 5, 14912	4.9	118
307	Shape-dependent ordering of gold nanocrystals into large-scale superlattices. <i>Nature Communications</i> , <b>2017</b> , 8, 14038	17.4	114
306	Solar-Light-Driven Renewable Butanol Separation by Core-Shell Ag@ZIF-8 Nanowires. <i>Advanced Materials</i> , <b>2015</b> , 27, 3273-7	24	114
305	Nanostructured thin films made by dewetting method of layer-by-layer assembly. <i>Nano Letters</i> , <b>2007</b> , 7, 3266-73	11.5	110
304	Single Atom Ruthenium-Doped CoP/CDs Nanosheets via Splicing of Carbon-Dots for Robust Hydrogen Production. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 7234-7244	16.4	110
303	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> , <b>2018</b> , 57, 5708-5713	16.4	108
302	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> , <b>2016</b> , 7, 5640-5646	9.4	108
301	Optical coupling between chiral biomolecules and semiconductor nanoparticles: size-dependent circular dichroism absorption. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 11456-9	16.4	108
300	"Raisin bun"-like nanocomposites of palladium clusters and porphyrin for superior formic acid oxidation. <i>Advanced Materials</i> , <b>2013</b> , 25, 2728-32	24	107
299	Designed controllable nitrogen-doped carbon-dots-loaded MoP nanoparticles for boosting hydrogen evolution reaction in alkaline medium. <i>Nano Energy</i> , <b>2020</b> , 72, 104730	17.1	105
298	Self-assembled chiral nanofibers from ultrathin low-dimensional nanomaterials. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 1565-71	16.4	105
297	Spontaneous organization of inorganic nanoparticles into nanovesicles triggered by UV light. <i>Advanced Materials</i> , <b>2014</b> , 26, 5613-8	24	104
296	Tunable chiral metal organic frameworks toward visible light-driven asymmetric catalysis. <i>Science Advances</i> , <b>2017</b> , 3, e1701162	14.3	101

295	Mirror-Like Photoconductive Layer-by-Layer Thin Films of Te Nanowires: The Fusion of Semiconductor, Metal, and Insulator Properties. <i>Advanced Materials</i> , <b>2006</b> , 18, 518-522	24	101
294	Reordering d Orbital Energies of Single-Site Catalysts for CO Electroreduction. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 12711-12716	16.4	100
293	Twisted metal-amino acid nanobelts: chirality transcription from molecules to frameworks. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 8202-9	16.4	100
292	Monodisperse inorganic supraparticles: formation mechanism, properties and applications. <i>Chemical Communications</i> , <b>2012</b> ,	5.8	96
291	Insights into photoluminescence mechanisms of carbon dots: advances and perspectives. <i>Science Bulletin</i> , <b>2021</b> , 66, 839-856	10.6	96
290	High production-yield solid-state carbon dots with tunable photoluminescence for white/multi-color light-emitting diodes. <i>Science Bulletin</i> , <b>2019</b> , 64, 1788-1794	10.6	95
289	Molecular Architecture of Cobalt Porphyrin Multilayers on Reduced Graphene Oxide Sheets for High-Performance Oxygen Reduction Reaction. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 5695-5699	3.6	95
288	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> , <b>2008</b> , 112, 14359-63	3.4	93
287	Synthesis of Fluorapatite Nanorods and Nanowires by Direct Precipitation from Solution. <i>Crystal Growth and Design</i> , <b>2006</b> , 6, 1504-1508	3.5	91
286	Biological assembly of nanocircuit prototypes from protein-modified CdTe nanowires. <i>Nano Letters</i> , <b>2005</b> , 5, 243-8	11.5	90
285	alpha-Synuclein protofibrils inhibit 26 S proteasome-mediated protein degradation: understanding the cytotoxicity of protein protofibrils in neurodegenerative disease pathogenesis. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 20288-98	5.4	88
284	Spontaneous transformation of CdTe nanoparticles into angled Te nanocrystals: from particles and rods to checkmarks, X-marks, and other unusual shapes. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 6730-6	16.4	86
283	Photoelectrochemical sensing of glucose based on quantum dot and enzyme nanocomposites. <i>Journal of Electroanalytical Chemistry</i> , <b>2011</b> , 656, 167-173	4.1	84
282	Excitonic Circular Dichroism of Chiral Quantum Rods. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 8734-8739	16.4	83
281	Electrochemical synthesis of polyaniline nanoparticles. <i>Electrochemistry Communications</i> , <b>2000</b> , 2, 32-35	5.1	82
280	Rational Design of Multi-Color-Emissive Carbon Dots in a Single Reaction System by Hydrothermal. <i>Advanced Science</i> , <b>2020</b> , 8, 2001453	13.6	82
279	Improving the yield of mono-DNA-functionalized gold nanoparticles through dual steric hindrance. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 15284-7	16.4	81
278	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> , <b>2016</b> , 4, 18314-18321	13	80



277	Core-Shell Noble-Metal@Metal-Organic-Framework Nanoparticles with Highly Selective Sensing Property. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 3829-3833	3.6	80
276	Detection of mixed organophosphorus pesticides in real samples using quantum dots/bi-enzyme assembly multilayers. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 16955		80
275	Size-dependent endocytosis of single gold nanoparticles. <i>Chemical Communications</i> , <b>2011</b> , 47, 8091-3	5.8	78
274	Membrane Separation in Organic Liquid: Technologies, Achievements, and Opportunities. <i>Advanced Materials</i> , <b>2019</b> , 31, e1806090	24	78
273	Mesoporous silica nanoparticles carrier for urea: potential applications in agrochemical delivery systems. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2012</b> , 12, 2221-8	1.3	77
272	Encapsulation of Plasmid DNA by Nanoscale Metal-Organic Frameworks for Efficient Gene Transportation and Expression. <i>Advanced Materials</i> , <b>2019</b> , 31, e1901570	24	76
271	Monodisperse hollow spheres with sandwich heterostructured shells as high-performance catalysts via an extended SiO <sub>2</sub> template method. <i>Small</i> , <b>2015</b> , 11, 420-5	11	76
270	Ultrathin Chiral Metal-Organic-Framework Nanosheets for Efficient Enantioselective Separation. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 6873-6877	16.4	76
269	Strongly Coupled CoCr <sub>2</sub> O <sub>4</sub> /Carbon Nanosheets as High Performance Electrocatalysts for Oxygen Evolution Reaction. <i>Small</i> , <b>2016</b> , 12, 2866-71	11	76
268	Circular Dichroism Studies on Plasmonic Nanostructures. <i>Small</i> , <b>2017</b> , 13, 1601115	11	75
267	SiO <sub>2</sub> -Coated CdTe Nanowires: Bristled Nano Centipedes. <i>Nano Letters</i> , <b>2004</b> , 4, 225-231	11.5	74
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