

# Mark T Swihart

## List of Publications by Year in Descending Order

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**Version:** 2024-04-10

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

320 papers	16,689 citations	67 h-index	118 g-index
342 ext. papers	18,662 ext. citations	9.1 avg, IF	7.07 L-index

#	Paper	IF	Citations
320	Palladium Nanosheet-Based Dual Gas Sensors for Sensitive Room-Temperature Hydrogen and Carbon Monoxide Detection.. <i>ACS Sensors</i> , <b>2022</b> ,	9.2	5
319	Progress and potential of electrospinning-derived substrate-free and binder-free lithium-ion battery electrodes. <i>Chemical Engineering Journal</i> , <b>2022</b> , 430, 132876	14.7	13
318	Flame aerosol synthesis of hollow alumina nanoshells for application in thermal insulation. <i>Chemical Engineering Journal</i> , <b>2022</b> , 428, 131273	14.7	2
317	On the Fokker-Planck approximation in the kinetic equation of multicomponent classical nucleation theory. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2022</b> , 585, 126375	3.3	0
316	Surface-rare-earth-rich upconversion nanoparticles induced by heterovalent cation exchange with superior loading capacity. <i>Journal of Materials Science and Technology</i> , <b>2022</b> , 97, 223-228	9.1	0
315	Functional Spinel Oxide Nanomaterials: Tailored Synthesis and Applications <b>2022</b> , 176-191		
314	Functional Spinel Oxide Nanomaterials: Tailored Synthesis and Applications <b>2022</b> , 137-175		
313	Mechanical characterization and adhesive properties of a dental adhesive modified with a polymer antibiotic conjugate.. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2022</b> , 129, 105153	4.1	
312	Review of recent progress in electrospinning-derived freestanding and binder-free electrodes for supercapacitors. <i>Coordination Chemistry Reviews</i> , <b>2022</b> , 460, 214466	23.2	6
311	Tuning Materials-Binding Peptide Sequences toward Gold- and Silver-Binding Selectivity with Bayesian Optimization. <i>ACS Nano</i> , <b>2021</b> ,	16.7	6
310	Magnetically Controllable Flowerlike, Polyhedral Ag-Cu-CoO for Surface-Enhanced Raman Scattering. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 57814-57821	9.5	3
309	Single-Step Flame Aerosol Synthesis of Active and Stable Nanocatalysts for the Dry Reforming of Methane. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 17618-17628	9.5	7
308	Bimetallic zeolitic imidazolate framework-derived substrate-free anode with superior cyclability for high-capacity lithium-ion batteries. <i>Journal of Materials Science and Technology</i> , <b>2021</b> , 67, 116-126	9.1	9
307	Fundamentals and recent applications of catalyst synthesis using flame aerosol technology. <i>Chemical Engineering Journal</i> , <b>2021</b> , 405, 126958	14.7	6
306	Nickel ferrite beehive-like nanosheets for binder-free and high-energy-storage supercapacitor electrodes. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 852, 156929	5.7	11
305	Biocompatibility, mechanical, and bonding properties of a dental adhesive modified with antibacterial monomer and cross-linker. <i>Clinical Oral Investigations</i> , <b>2021</b> , 25, 2877-2889	4.2	0
304	Vapor-phase production of nanomaterials. <i>Chemical Society Reviews</i> , <b>2021</b> , 50, 7132-7249	58.5	15

303	Synthesis and antibacterial activity of polymer-antibiotic conjugates incorporated into a resin-based dental adhesive. <i>Biomaterials Science</i> , <b>2021</b> , 9, 2043-2052	7.4	3
302	Electrostatically Sprayed Nanostructured Electrodes for Energy Conversion and Storage Devices. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2008181	15.6	10
301	A cannabidiol-loaded Mg-gallate metal-organic framework-based potential therapeutic for glioblastomas. <i>Journal of Materials Chemistry B</i> , <b>2021</b> , 9, 2505-2514	7.3	9
300	Anion exchange induced formation of kesterite copper zinc tin sulphide-copper zinc tin selenide nanoheterostructures. <i>Nanoscale</i> , <b>2021</b> , 13, 4828-4834	7.7	1
299	Binary and Ternary Colloidal Cu-Sn-Te Nanocrystals for Thermoelectric Thin Films. <i>Small</i> , <b>2021</b> , 17, e2006729	7.29	3
298	Shape Control of Cu/ZnO Core/Shell Nanocubes and Related Structures for Localized Surface Plasmon Resonance. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 995-999	5.6	1
297	Scalable Polymeric Few-Nanometer Organosilica Membranes with Hydrothermal Stability for Selective Hydrogen Separation. <i>ACS Nano</i> , <b>2021</b> ,	16.7	5
296	Reduced graphene oxide supersonically sprayed on wearable fabric and decorated with iron oxide for supercapacitor applications. <i>Journal of Materials Science and Technology</i> , <b>2021</b> , 82, 47-56	9.1	6
295	Reduced Graphene Oxide-Wrapped Palladium Nanowires Coated with a Layer of Zeolitic Imidazolate Framework-8 for Hydrogen Sensing. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 8081-8093	5.6	4
294	Flexible metallized carbon nanofibers decorated with two-dimensional NiGa <sub>2</sub> S <sub>4</sub> nanosheets as supercapacitor electrodes. <i>Chemical Engineering Journal</i> , <b>2021</b> , 420, 130497	14.7	9
293	The effect of cathodic voltage-controlled electrical stimulation of titanium on the surrounding microenvironment pH: An experimental and computational study. <i>Electrochimica Acta</i> , <b>2021</b> , 393, 138853	6.7	0
292	Cotton fabric decorated with manganese oxide nanorods as a supercapacitive flexible electrode for wearable electronics. <i>Applied Surface Science</i> , <b>2021</b> , 568, 150968	6.7	3
291	Recent advances of luminogens with aggregation-induced emission in multi-photon theranostics. <i>Applied Physics Reviews</i> , <b>2021</b> , 8, 041328	17.3	1
290	Graph Theory Model of Dry Reforming of Methane Using Rh(111). <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 4917-4922	6.4	8
289	Galvanic replacement synthesis of multi-branched gold nanocrystals for photothermal cancer therapy. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 5491-5499	7.3	9
288	Supersonically sprayed Zn <sub>2</sub> SnO <sub>4</sub> /SnO <sub>2</sub> /carbon nanotube films for high-efficiency water splitting photoanodes. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 828, 154374	5.7	6
287	ZnO/MnO <sub>x</sub> Nanoflowers for High-Performance Supercapacitor Electrodes. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 3697-3708	8.3	50
286	Morphology engineering of photoelectrodes for efficient photoelectrochemical water splitting. <i>Nano Energy</i> , <b>2020</b> , 72, 104648	17.1	46

285	Electrosprayed MnO <sub>2</sub> on ZnO nanorods with atomic layer deposited TiO <sub>2</sub> layer for photoelectrocatalytic water splitting. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 271, 118928	21.8	32
284	Supersonically sprayed Fe <sub>2</sub> O <sub>3</sub> /C/CNT composites for highly stable Li-ion battery anodes. <i>Chemical Engineering Journal</i> , <b>2020</b> , 395, 125018	14.7	23
283	Dodecahedral ZnO/C framework on reduced graphene oxide sheets for high-performance Li-ion battery anodes. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 834, 155208	5.7	13
282	Supersonic Cold Spraying for Energy and Environmental Applications: One-Step Scalable Coating Technology for Advanced Micro- and Nanotextured Materials. <i>Advanced Materials</i> , <b>2020</b> , 32, e1905028	24	27
281	Microencapsulated UV filter@ZIF-8 based sunscreens for broad spectrum UV protection.. <i>RSC Advances</i> , <b>2020</b> , 10, 34254-34260	3.7	4
280	Laser pyrolysis synthesis of zinc-containing nanomaterials using low-cost ultrasonic spray delivery of precursors. <i>Powder Technology</i> , <b>2020</b> , 376, 104-112	5.2	6
279	Supersonically sprayed rGO/ZIF8 on nickel nanocone substrate for highly stable supercapacitor electrodes. <i>Electrochimica Acta</i> , <b>2020</b> , 362, 137154	6.7	6
278	Boron-hyperdoped silicon for the selective oxidative dehydrogenation of propane to propylene. <i>Chemical Communications</i> , <b>2020</b> , 56, 9882-9885	5.8	18
277	Hydrogen Sensing at Room Temperature Using Flame-Synthesized Palladium-Decorated Crumpled Reduced Graphene Oxide Nanocomposites. <i>ACS Sensors</i> , <b>2020</b> , 5, 2344-2350	9.2	18
276	A general hierarchical flower-shaped cobalt oxide spinel template: facile method, morphology control, and enhanced saturation magnetization. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 14056-14065	7.1	2
275	Formation and manipulation of ferrofluid droplets with magnetic fields in a microdevice: a numerical parametric study. <i>Soft Matter</i> , <b>2020</b> , 16, 9506-9518	3.6	3
274	Copper@ZIF-8 Core-Shell Nanowires for Reusable Antimicrobial Face Masks. <i>Advanced Functional Materials</i> , <b>2020</b> , 31, 2008054	15.6	35
273	Laser-Processed Nanosilicon: A Multifunctional Nanomaterial for Energy and Healthcare. <i>ACS Nano</i> , <b>2019</b> , 13, 9841-9867	16.7	60
272	Recent advances in copper sulphide-based nanoheterostructures. <i>Chemical Society Reviews</i> , <b>2019</b> , 48, 4950-4965	58.5	45
271	Synthesis and characterization of silver nanoparticle-loaded amorphous calcium phosphate microspheres for dental applications. <i>Nanoscale Advances</i> , <b>2019</b> , 1, 627-635	5.1	17
270	Comparing Semiconductor Nanocrystal Toxicity in Pregnant Mice and Non-Human Primates. <i>Nanotheranostics</i> , <b>2019</b> , 3, 54-65	5.6	11
269	Highly flexible transparent substrate-free photoanodes using ZnO nanowires on nickel microfibers. <i>Chemical Engineering Journal</i> , <b>2019</b> , 363, 13-22	14.7	8
268	Improved Performance of Silicon Nanowire-Based Solar Cells with Diallyl Disulfide Passivation. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 4664-4673	3.8	7

267	Supersonically sprayed iron oxide nanoparticles with atomic-layer-deposited ZnO/TiO <sub>2</sub> layers for solar water splitting. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 798, 35-44	5.7	22
266	Flame-synthesized nickel-silver nanoparticle inks provide high conductivity without sintering. <i>Chemical Engineering Journal</i> , <b>2019</b> , 372, 648-655	14.7	16
265	Biocompatible and biodegradable inorganic nanostructures for nanomedicine: Silicon and black phosphorus. <i>Nano Today</i> , <b>2019</b> , 25, 135-155	17.9	189
264	Highly transparent, conducting, body-attachable metallized fibers as a flexible and stretchable film. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 790, 1127-1136	5.7	12
263	Hierarchical zeolitic imidazolate framework-derived manganese-doped zinc oxide decorated carbon nanofiber electrodes for high performance flexible supercapacitors. <i>Chemical Engineering Journal</i> , <b>2019</b> , 371, 657-665	14.7	51
262	Synthesis, growth mechanisms, and applications of palladium-based nanowires and other one-dimensional nanostructures. <i>Nanoscale</i> , <b>2019</b> , 11, 19058-19085	7.7	40
261	Achievements, challenges and perspectives on cathode catalysts in proton exchange membrane fuel cells for transportation. <i>Nature Catalysis</i> , <b>2019</b> , 2, 578-589	36.5	429
260	Sorption-Enhanced Mixed Matrix Membranes with Facilitated Hydrogen Transport for Hydrogen Purification and CO <sub>2</sub> Capture. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1904357	15.6	26
259	Supersonically Sprayed Zn <sub>2</sub> SnO <sub>4</sub> /SnO <sub>2</sub> /CNT Nanocomposites for High-Performance Supercapacitor Electrodes. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 14031-14040	8.3	47
258	Can the Morphology of Biconcave Metal Sulfide Nanoplatelets Be Preserved during Cation Exchange?. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 5706-5712	9.6	10
257	Boron-Nanoparticle-Loaded Folic-Acid-Functionalized Liposomes to Achieve Optimum Boron Concentration for Boron Neutron Capture Therapy of Cancer. <i>Journal of Biomedical Nanotechnology</i> , <b>2019</b> , 15, 1714-1723	4	15
256	A general approach to multicomponent metal-decorated crumpled reduced graphene oxide nanocomposites using a flame-based process. <i>Nanoscale</i> , <b>2019</b> , 11, 19571-19578	7.7	11
255	Unexpectedly Strong Size-Sieving Ability in Carbonized Polybenzimidazole for Membrane H <sub>2</sub> /CO Separation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 47365-47372	9.5	32
254	Electrosprayed graphene films decorated with bimetallic (zinc-iron) oxide for lithium-ion battery anodes. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 782, 699-708	5.7	16
253	Synthesis and Properties of Plasmonic Boron-Hyperdoped Silicon Nanoparticles. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1807788	15.6	17
252	Core-shell quantum dots coated with molecularly imprinted polymer for selective photoluminescence sensing of perfluorooctanoic acid. <i>Talanta</i> , <b>2019</b> , 194, 1-6	6.2	29
251	A general and rapid room-temperature synthesis approach for metal sulphide nanocrystals with tunable properties. <i>Nanoscale</i> , <b>2018</b> , 11, 136-144	7.7	6
250	Polymer-antibiotic conjugates as antibacterial additives in dental resins. <i>Biomaterials Science</i> , <b>2018</b> , 7, 287-295	7.4	19

249	Zeolitic imidazolate framework-7 textile-derived nanocomposite fibers as freestanding supercapacitor electrodes. <i>Journal of Electroanalytical Chemistry</i> , <b>2018</b> , 810, 239-247	4.1	26
248	Valence Selectivity of Cation Incorporation into Covellite CuS Nanoplatelets. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 1399-1407	9.6	40
247	Electrosprayed graphene decorated with ZnO nanoparticles for supercapacitors. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 741, 781-791	5.7	20
246	Controllable colloidal synthesis of anisotropic tin dichalcogenide nanocrystals for thin film thermoelectrics. <i>Nanoscale</i> , <b>2018</b> , 10, 2533-2541	7.7	15
245	Atomic-layer-deposited TiO <sub>2</sub> -SnZnO/carbon nanofiber composite as a highly stable, flexible and freestanding anode material for lithium-ion batteries. <i>Chemical Engineering Journal</i> , <b>2018</b> , 338, 72-81	14.7	17
244	Ni-core CuO-shell fibers produced by electrospinning and electroplating as efficient photocathode materials for solar water splitting. <i>Nanoscale</i> , <b>2018</b> , 10, 9720-9728	7.7	16
243	Peptide-Mediated Growth and Dispersion of Au Nanoparticles in Water via Sequence Engineering. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 11532-11542	3.8	16
242	Improved plasmon-assisted photoelectric conversion efficiency across entire ultraviolet-visible region based on antenna-on zinc oxide/silver three-dimensional nanostructured films. <i>Nano Research</i> , <b>2018</b> , 11, 520-529	10	5
241	Electrosprayed BiVO <sub>4</sub> nanopillars coated with atomic-layer-deposited ZnO/TiO <sub>2</sub> as highly efficient photoanodes for solar water splitting. <i>Chemical Engineering Journal</i> , <b>2018</b> , 333, 721-729	14.7	51
240	Oxidation-resistant metallized nanofibers as transparent conducting films and heaters. <i>Acta Materialia</i> , <b>2018</b> , 143, 174-180	8.4	22
239	Flame-based synthesis and in situ functionalization of palladium alloy nanoparticles. <i>AIChE Journal</i> , <b>2018</b> , 64, 3826-3834	3.6	6
238	Supersonically sprayed rGO/n <sub>2</sub> SnO <sub>4</sub> composites as flexible, binder-free, scalable, and high-capacity lithium ion battery anodes. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 766, 331-340	5.7	18
237	Highly efficient electrodes for supercapacitors using silver-plated carbon nanofibers with enhanced mechanical flexibility and long-term stability. <i>Chemical Engineering Journal</i> , <b>2018</b> , 353, 189-196	14.7	31
236	Selective Cation Incorporation into Copper Sulfide Based Nanoheterostructures. <i>ACS Nano</i> , <b>2018</b> , 12, 7803-7811	16.7	34
235	Understanding the Effects of NaCl, NaBr and Their Mixtures on Silver Nanowire Nucleation and Growth in Terms of the Distribution of Electron Traps in Silver Halide Crystals. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	13
234	Tuning the morphology of electrosprayed BiVO <sub>4</sub> from nanopillars to nanoferns via pH control for solar water splitting. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 769, 193-200	5.7	20
233	Controllable Colloidal Synthesis of Tin(II) Chalcogenide Nanocrystals and Their Solution-Processed Flexible Thermoelectric Thin Films. <i>Small</i> , <b>2018</b> , 14, e1801949	11	15
232	Highly nanotextured Bi <sub>2</sub> O <sub>3</sub> pillars by electrostatic spray deposition as photoanodes for solar water splitting. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 764, 881-889	5.7	23



231	Zeolitic imidazolate framework-8 derived zinc oxide/ carbon nanofiber as freestanding electrodes for lithium storage in lithium-ion batteries. <i>Journal of Power Sources</i> , <b>2018</b> , 395, 349-357	8.9	39
230	Enhanced fatigue resistance of suppressed hysteresis in perovskite solar cells by an organic crosslinker. <i>Solar Energy Materials and Solar Cells</i> , <b>2018</b> , 176, 30-35	6.4	13
229	Unprecedented size-sieving ability in polybenzimidazole doped with polyprotic acids for membrane H <sub>2</sub> /CO <sub>2</sub> separation. <i>Energy and Environmental Science</i> , <b>2018</b> , 11, 94-100	35.4	73
228	Synthesis and Anisotropic Electrocatalytic Activity of Covellite Nanoplatelets with Fixed Thickness and Tunable Diameter. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 42417-42426	9.5	8
227	Optical Control of Biomimetic Nanoparticle Catalysts Based upon the Metal Component. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 28055-28064	3.8	5
226	Controlled Synthesis of CuSe Nanoparticles as Near-Infrared Photothermal Agents and Irradiation Wavelength Dependence of Their Photothermal Conversion Efficiency. <i>Langmuir</i> , <b>2018</b> , 34, 13905-13909 <sup>4</sup>		15
225	Ag <sup>+</sup> -Induced Shape and Composition Evolution of Covellite CuS Nanoplatelets To Produce PlateBatellite and BiconcaveParticle Heterostructures. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 8089-8098	9.6	12
224	Optical Control of Nanoparticle Catalysis Influenced by Photoswitch Positioning in Hybrid Peptide Capping Ligands. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 33640-33651	9.5	11
223	Hierarchically designed ZIF-8-derived Ni@ZnO/carbon nanofiber freestanding composite for stable Li storage. <i>Chemical Engineering Journal</i> , <b>2018</b> , 351, 127-134	14.7	41
222	Dramatic Enhancement of Quantum Cutting in Lanthanide-Doped Nanocrystals Photosensitized with an Aggregation-Induced Enhanced Emission Dye. <i>Nano Letters</i> , <b>2018</b> , 18, 4922-4926	11.5	32
221	Supersonically spray-coated zinc ferrite/graphitic-carbon nitride composite as a stable high-capacity anode material for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 768, 525-534	5.7	15
220	Solution-phase synthesis of transition metal oxide nanocrystals: Morphologies, formulae, and mechanisms. <i>Advances in Colloid and Interface Science</i> , <b>2017</b> , 244, 199-266	14.3	58
219	ZnO decorated germanium nanoparticles as anode materials in Li-ion batteries. <i>Nanotechnology</i> , <b>2017</b> , 28, 095402	3.4	4
218	One-Pot Hydrothermal Synthesis of Carbon Dots with Efficient Up- and Down-Converted Photoluminescence for the Sensitive Detection of Morin in a Dual-Readout Assay. <i>Langmuir</i> , <b>2017</b> , 33, 1043-1050	4	110
217	Flexible freestanding Fe <sub>2</sub> O <sub>3</sub> -SnO <sub>2</sub> -carbon nanofiber composites for Li ion battery anodes. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 700, 259-266	5.7	27
216	Stable High-Capacity Lithium Ion Battery Anodes Produced by Supersonic Spray Deposition of Hematite Nanoparticles and Self-Healing Reduced Graphene Oxide. <i>Electrochimica Acta</i> , <b>2017</b> , 228, 604-610	6.7	21
215	Decoration of MnO Nanocrystals on Flexible Freestanding Carbon Nanofibers for Lithium Ion Battery Anodes. <i>Electrochimica Acta</i> , <b>2017</b> , 231, 582-589	6.7	39
214	Nonstoichiometric copper chalcogenides for photo-activated alkyne/azide cycloaddition. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 6964-6968	3.6	6

213	Facile processes for producing robust, transparent, conductive platinum nanofiber mats. <i>Nanoscale</i> , <b>2017</b> , 9, 6076-6084	7.7	13
212	. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2017</b> , 23, 1-6	3.8	2
211	Supersonic cold spraying of titania nanoparticles on reduced graphene oxide for lithium ion battery anodes. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 715, 161-169	5.7	12
210	Elucidating the influence of materials-binding peptide sequence on Au surface interactions and colloidal stability of Au nanoparticles. <i>Nanoscale</i> , <b>2017</b> , 9, 421-432	7.7	24
209	High-performance supercapacitors using flexible and freestanding MnOx/carbamide carbon nanofibers. <i>Applied Surface Science</i> , <b>2017</b> , 423, 210-218	6.7	21
208	Reversible Crystal Phase Interconversion between Covellite CuS and High Chalcocite Cu <sub>2</sub> S Nanocrystals. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 4783-4791	9.6	61
207	Plasmonic Copper Sulfide-Based Materials: A Brief Introduction to Their Synthesis, Doping, Alloying, and Applications. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 13435-13447	3.8	100
206	Standardizing Size- and Shape-Controlled Synthesis of Monodisperse Magnetite (FeO) Nanocrystals by Identifying and Exploiting Effects of Organic Impurities. <i>ACS Nano</i> , <b>2017</b> , 11, 6370-6381	16.7	80
205	Au-CuSe heterogeneous nanocrystals for efficient photothermal heating for cancer therapy. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 4934-4942	7.3	28
204	Kuramite Cu <sub>3</sub> SnS <sub>4</sub> and Mohite Cu <sub>2</sub> SnS <sub>3</sub> Nanoplatelet Synthesis Using Covellite CuS Templates with Sn(II) and Sn(IV) Sources. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 3555-3562	9.6	43
203	Dual-Recognition Faster Resonance Energy Transfer Based Platform for One-Step Sensitive Detection of Pathogenic Bacteria Using Fluorescent Vancomycin-Gold Nanoclusters and Aptamer-Gold Nanoparticles. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 4085-4090	7.8	88
202	Carbon Nanofibers Loaded with Carbon Nanotubes and Iron Oxide as Flexible Freestanding Lithium-Ion Battery Anodes. <i>Electrochimica Acta</i> , <b>2017</b> , 253, 479-488	6.7	26
201	Self-Cleaning Anticondensing Glass via Supersonic Spraying of Silver Nanowires, Silica, and Polystyrene Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 35325-35332	9.5	19
200	Effects of Cd-based Quantum Dot Exposure on the Reproduction and Offspring of Kunming Mice over Multiple Generations. <i>Nanotheranostics</i> , <b>2017</b> , 1, 23-37	5.6	15
199	Tightening polybenzimidazole (PBI) nanostructure via chemical cross-linking for membrane H <sub>2</sub> /CO <sub>2</sub> separation. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 19914-19923	13	62
198	Flexible and freestanding core-shell SnOx/carbon nanofiber mats for high-performance supercapacitors. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 728, 1362-1371	5.7	24
197	Supersonically blown reduced graphene oxide loaded Fe <sub>3</sub> C nanofibers for lithium ion battery anodes. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 726, 114-120	5.7	22
196	Mo-doped BiVO <sub>4</sub> nanotextured pillars as efficient photoanodes for solar water splitting. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 726, 1138-1146	5.7	21



195	Shape Evolution of Biconcave Djurleite CuS Nanoplatelets Produced from CuInS Nanoplatelets by Cation Exchange. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 18598-18606	16.4	22
194	Engineering reduced graphene oxides with enhanced electrochemical properties through multiple-step reductions. <i>Electrochimica Acta</i> , <b>2017</b> , 258, 735-743	6.7	28
193	Supersonically sprayed gas- and water-sensing MIL-100(Fe) films. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 722, 996-1001	5.7	15
192	Carbon nanofibers decorated with FeO nanoparticles as a flexible electrode material for symmetric supercapacitors. <i>Chemical Engineering Journal</i> , <b>2017</b> , 328, 776-784	14.7	49
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