

Shu-Hong Yu

List of Publications by Citations

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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.

805 papers	75,546 citations	149 h-index	241 g-index
872 ext. papers	84,999 ext. citations	11.5 avg, IF	8.49 L-index

#	Paper	IF	Citations
805	Synthesis of nitrogen-doped porous carbon nanofibers as an efficient electrode material for supercapacitors. <i>ACS Nano</i> , 2012 , 6, 7092-102	16.7	1422
804	Engineering carbon materials from the hydrothermal carbonization process of biomass. <i>Advanced Materials</i> , 2010 , 22, 813-28	24	1282
803	Nanostructured metal chalcogenides: synthesis, modification, and applications in energy conversion and storage devices. <i>Chemical Society Reviews</i> , 2013 , 42, 2986-3017	58.5	1208
802	From Bimetallic Metal-Organic Framework to Porous Carbon: High Surface Area and Multicomponent Active Dopants for Excellent Electrocatalysis. <i>Advanced Materials</i> , 2015 , 27, 5010-6	24	1016
801	Macroscopic multifunctional graphene-based hydrogels and aerogels by a metal ion induced self-assembly process. <i>ACS Nano</i> , 2012 , 6, 2693-703	16.7	935
800	Flexible graphene/polyaniline composite paper for high-performance supercapacitor. <i>Energy and Environmental Science</i> , 2013 , 6, 1185	35.4	873
799	A flexible and highly pressure-sensitive graphene-polyurethane sponge based on fractured microstructure design. <i>Advanced Materials</i> , 2013 , 25, 6692-8	24	819
798	An efficient molybdenum disulfide/cobalt diselenide hybrid catalyst for electrochemical hydrogen generation. <i>Nature Communications</i> , 2015 , 6, 5982	17.4	771
797	Visible-Light Photoreduction of CO ₂ in a Metal-Organic Framework: Boosting Electron-Hole Separation via Electron Trap States. <i>Journal of the American Chemical Society</i> , 2015 , 137, 13440-3	16.4	710
796	Water oxidation electrocatalyzed by an efficient Mn ₃ O ₄ /CoSe ₂ nanocomposite. <i>Journal of the American Chemical Society</i> , 2012 , 134, 2930-3	16.4	582
795	Ultralight, flexible, and fire-resistant carbon nanofiber aerogels from bacterial cellulose. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 2925-9	16.4	570
794	Recent advances in oriented attachment growth and synthesis of functional materials: concept, evidence, mechanism, and future. <i>Journal of Materials Chemistry</i> , 2009 , 19, 191-207		557
793	Macroscopic-scale template synthesis of robust carbonaceous nanofiber hydrogels and aerogels and their applications. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 5101-5	16.4	541
792	Bacterial-cellulose-derived carbon nanofiber@MnO ₂ and nitrogen-doped carbon nanofiber electrode materials: an asymmetric supercapacitor with high energy and power density. <i>Advanced Materials</i> , 2013 , 25, 4746-52	24	526
791	A nitrogen-doped graphene/carbon nanotube nanocomposite with synergistically enhanced electrochemical activity. <i>Advanced Materials</i> , 2013 , 25, 3192-6	24	520
790	Nanowire-directed templating synthesis of metal-organic framework nanofibers and their derived porous doped carbon nanofibers for enhanced electrocatalysis. <i>Journal of the American Chemical Society</i> , 2014 , 136, 14385-8	16.4	506
789	Synthetic nacre by predesigned matrix-directed mineralization. <i>Science</i> , 2016 , 354, 107-110	33.3	487

788	Free-Standing Copper Nanowire Network Current Collector for Improving Lithium Anode Performance. <i>Nano Letters</i> , 2016 , 16, 4431-7	11.5	481
787	Nitrogen-doped nanoporous carbon nanosheets derived from plant biomass: an efficient catalyst for oxygen reduction reaction. <i>Energy and Environmental Science</i> , 2014 , 7, 4095-4103	35.4	476
786	Octahedral PtNi nanoparticle catalysts: exceptional oxygen reduction activity by tuning the alloy particle surface composition. <i>Nano Letters</i> , 2012 , 12, 5885-9	11.5	470
785	Hydrothermal synthesis of macroscopic nitrogen-doped graphene hydrogels for ultrafast supercapacitor. <i>Nano Energy</i> , 2013 , 2, 249-256	17.1	469
784	From Metal-Organic Frameworks to Single-Atom Fe Implanted N-doped Porous Carbons: Efficient Oxygen Reduction in Both Alkaline and Acidic Media. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 8525-8529	16.4	462
783	Iron Carbide Nanoparticles Encapsulated in Mesoporous Fe-N-Doped Carbon Nanofibers for Efficient Electrocatalysis. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 8179-83	16.4	460
782	Three-Dimensional Heteroatom-Doped Carbon Nanofiber Networks Derived from Bacterial Cellulose for Supercapacitors. <i>Advanced Functional Materials</i> , 2014 , 24, 5104-5111	15.6	459
781	Singlet Oxygen-Engaged Selective Photo-Oxidation over Pt Nanocrystals/Porphyrinic MOF: The Roles of Photothermal Effect and Pt Electronic State. <i>Journal of the American Chemical Society</i> , 2017 , 139, 2035-2044	16.4	458
780	Flexible all-solid-state high-power supercapacitor fabricated with nitrogen-doped carbon nanofiber electrode material derived from bacterial cellulose. <i>Energy and Environmental Science</i> , 2013 , 6, 3331	35.4	450
779	Nitrogen-doped graphene supported CoSe ₂ /nanobelt composite catalyst for efficient water oxidation. <i>ACS Nano</i> , 2014 , 8, 3970-8	16.7	448
778	Nanoparticles meet electrospinning: recent advances and future prospects. <i>Chemical Society Reviews</i> , 2014 , 43, 4423-48	58.5	447
777	Joule-heated graphene-wrapped sponge enables fast clean-up of viscous crude-oil spill. <i>Nature Nanotechnology</i> , 2017 , 12, 434-440	28.7	431
776	Carbon dots: large-scale synthesis, sensing and bioimaging. <i>Materials Today</i> , 2016 , 19, 382-393	21.8	430
775	Bio-inspired crystal morphogenesis by hydrophilic polymers. <i>Journal of Materials Chemistry</i> , 2004 , 14, 2124-2147		422
774	General Synthesis of Single-Crystal Tungstate Nanorods/Nanowires: A Facile, Low-Temperature Solution Approach. <i>Advanced Functional Materials</i> , 2003 , 13, 639-647	15.6	413
773	A Direct Synthesis of Mesoporous Carbons with Bicontinuous Pore Morphology from Crude Plant Material by Hydrothermal Carbonization. <i>Chemistry of Materials</i> , 2007 , 19, 4205-4212	9.6	391
772	Advanced Sorbents for Oil-Spill Cleanup: Recent Advances and Future Perspectives. <i>Advanced Materials</i> , 2016 , 28, 10459-10490	24	391
771	Graphene-based macroscopic assemblies and architectures: an emerging material system. <i>Chemical Society Reviews</i> , 2014 , 43, 7295-325	58.5	378

770	Boosting Photocatalytic Hydrogen Production of a Metal-Organic Framework Decorated with Platinum Nanoparticles: The Platinum Location Matters. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 9389-93	16.4	366
769	Pd Nanocubes@ZIF-8: Integration of Plasmon-Driven Photothermal Conversion with a Metal-Organic Framework for Efficient and Selective Catalysis. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 3685-9	16.4	356
768	Nickel/nickel(II) oxide nanoparticles anchored onto cobalt(IV) diselenide nanobelts for the electrochemical production of hydrogen. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 8546-50	16.4	354
767	Macroscopic and Microscopic Investigation of U(VI) and Eu(III) Adsorption on Carbonaceous Nanofibers. <i>Environmental Science & Technology</i> , 2016 , 50, 4459-67	10.3	349
766	Formation Process of CdS Nanorods via Solvothermal Route. <i>Chemistry of Materials</i> , 2000 , 12, 3259-3263	9.6	349
765	Steering post-C ₆₀ coupling selectivity enables high efficiency electroreduction of carbon dioxide to multi-carbon alcohols. <i>Nature Catalysis</i> , 2018 , 1, 421-428	36.5	348
764	A facile and general coating approach to moisture/water-resistant metal-organic frameworks with intact porosity. <i>Journal of the American Chemical Society</i> , 2014 , 136, 16978-81	16.4	342
763	Large-scale synthesis of flexible free-standing SERS substrates with high sensitivity: electrospun PVA nanofibers embedded with controlled alignment of silver nanoparticles. <i>ACS Nano</i> , 2009 , 3, 3993-4002	16.7	338
762	Ni/MoD nanorod-derived composite catalysts for efficient alkaline water-to-hydrogen conversion via urea electrolysis. <i>Energy and Environmental Science</i> , 2018 , 11, 1890-1897	35.4	335
761	Bacterial cellulose derived nitrogen-doped carbon nanofiber aerogel: An efficient metal-free oxygen reduction electrocatalyst for zinc-air battery. <i>Nano Energy</i> , 2015 , 11, 366-376	17.1	333
760	A Stretchable Electronic Fabric Artificial Skin with Pressure-, Lateral Strain-, and Flexion-Sensitive Properties. <i>Advanced Materials</i> , 2016 , 28, 722-8	24	325
759	Water-soluble magnetic-functionalized reduced graphene oxide sheets: in situ synthesis and magnetic resonance imaging applications. <i>Small</i> , 2010 , 6, 169-73	11	323
758	Porous Molybdenum-Based Hybrid Catalysts for Highly Efficient Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 12928-32	16.4	321
757	Template-Directed Growth of Well-Aligned MOF Arrays and Derived Self-Supporting Electrodes for Water Splitting. <i>Chem</i> , 2017 , 2, 791-802	16.2	319
756	Ce-Doping to Modulate Photoluminescence Kinetics for Efficient CsPbBr Nanocrystals Based Light-Emitting Diodes. <i>Journal of the American Chemical Society</i> , 2018 , 140, 3626-3634	16.4	314
755	Multifunctional for One-Pot Cascade Reactions: Combination of Host-Guest Cooperation and Bimetallic Synergy in Catalysis. <i>ACS Catalysis</i> , 2015 , 5, 2062-2069	13.1	304
754	A one-dimensional porous carbon-supported Ni/MoC dual catalyst for efficient water splitting. <i>Chemical Science</i> , 2017 , 8, 968-973	9.4	301
753	Hierarchical assembly of micro-/nano-building blocks: bio-inspired rigid structural functional materials. <i>Chemical Society Reviews</i> , 2011 , 40, 3764-85	58.5	299

752	Carbon nanofibers decorated with molybdenum disulfide nanosheets: synergistic lithium storage and enhanced electrochemical performance. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 11552-11556	16.4	297
751	Integration of Plasmonic Effects and Schottky Junctions into Metal-Organic Framework Composites: Steering Charge Flow for Enhanced Visible-Light Photocatalysis. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 1103-1107	16.4	296
750	Photocatalytic CO Reduction by Carbon-Coated Indium-Oxide Nanobelts. <i>Journal of the American Chemical Society</i> , 2017 , 139, 4123-4129	16.4	291
749	An efficient CeO ₂ /CoSe ₂ Nanobelt composite for electrochemical water oxidation. <i>Small</i> , 2015 , 11, 182-188	16.4	288
748	A free-standing Pt-nanowire membrane as a highly stable electrocatalyst for the oxygen reduction reaction. <i>Advanced Materials</i> , 2011 , 23, 1467-71	24	288
747	Stretchable and Self-Healing Graphene Oxide/Polymer Composite Hydrogels: A Dual-Network Design. <i>Chemistry of Materials</i> , 2013 , 25, 3357-3362	9.6	282
746	Facile synthesis of silver@graphene oxide nanocomposites and their enhanced antibacterial properties. <i>Journal of Materials Chemistry</i> , 2011 , 21, 4593		280
745	Tectonic arrangement of BaCO ₃ nanocrystals into helices induced by a racemic block copolymer. <i>Nature Materials</i> , 2005 , 4, 51-5	27	276
744	Water-stable metal-organic frameworks with intrinsic peroxidase-like catalytic activity as a colorimetric biosensing platform. <i>Chemical Communications</i> , 2014 , 50, 1092-4	5.8	275
743	Artificial nacre-like bionanocomposite films from the self-assembly of chitosan-montmorillonite hybrid building blocks. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 10127-31	16.4	269
742	Bacterial Cellulose: A Robust Platform for Design of Three Dimensional Carbon-Based Functional Nanomaterials. <i>Accounts of Chemical Research</i> , 2016 , 49, 96-105	24.3	268
741	Ion-Catalyzed Synthesis of Microporous Hard Carbon Embedded with Expanded Nanographite for Enhanced Lithium/Sodium Storage. <i>Journal of the American Chemical Society</i> , 2016 , 138, 14915-14922	16.4	267
740	High-quality luminescent tellurium nanowires of several nanometers in diameter and high aspect ratio synthesized by a poly (vinyl pyrrolidone)-assisted hydrothermal process. <i>Langmuir</i> , 2006 , 22, 3830-5	16.4	265
739	From Starch to Metal/Carbon Hybrid Nanostructures: Hydrothermal Metal-Catalyzed Carbonization. <i>Advanced Materials</i> , 2004 , 16, 1636-1640	24	262
738	Polymer-Controlled Morphosynthesis and Mineralization of Metal Carbonate Superstructures (I). <i>Journal of Physical Chemistry B</i> , 2003 , 107, 7396-405	3.4	257
737	Formation of uniform CuO nanorods by spontaneous aggregation: Selective synthesis of CuO, Cu ₂ O, and Cu nanoparticles by a solid-liquid phase arc discharge process. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 14011-6	3.4	248
736	Super-elastic and fatigue resistant carbon material with lamellar multi-arch microstructure. <i>Nature Communications</i> , 2016 , 7, 12920	17.4	245
735	Doping-induced structural phase transition in cobalt diselenide enables enhanced hydrogen evolution catalysis. <i>Nature Communications</i> , 2018 , 9, 2533	17.4	244

734	Macroscopic-scale assembled nanowire thin films and their functionalities. <i>Chemical Reviews</i> , 2012 , 112, 4770-99	68.1	242
733	Synthesis of Uniform [email-protected] Composite Nanocables with Photoluminescence Properties and Carbonaceous Nanofibers by the Hydrothermal Carbonization of Glucose. <i>Chemistry of Materials</i> , 2006 , 18, 2102-2108	9.6	241
732	Growth and Self-Assembly of BaCrO ₄ and BaSO ₄ Nanofibers toward Hierarchical and Repetitive Superstructures by Polymer-Controlled Mineralization Reactions. <i>Nano Letters</i> , 2003 , 3, 379-382	11.5	241
731	Nitrogen-doped graphene/ZnSe nanocomposites: hydrothermal synthesis and their enhanced electrochemical and photocatalytic activities. <i>ACS Nano</i> , 2012 , 6, 712-9	16.7	240
730	Monolayer graphene film on ZnO nanorod array for high-performance Schottky junction ultraviolet photodetectors. <i>Small</i> , 2013 , 9, 2872-9	11	236
729	"Superaerophobic" Nickel Phosphide Nanoarray Catalyst for Efficient Hydrogen Evolution at Ultrahigh Current Densities. <i>Journal of the American Chemical Society</i> , 2019 , 141, 7537-7543	16.4	233
728	Wet-spinning assembly of continuous, neat, and macroscopic graphene fibers. <i>Scientific Reports</i> , 2012 , 2, 613	4.9	233
727	Robust and Highly Efficient Free-Standing Carbonaceous Nanofiber Membranes for Water Purification. <i>Advanced Functional Materials</i> , 2011 , 21, 3851-3858	15.6	233
726	Solution-based synthesis and design of late transition metal chalcogenide materials for oxygen reduction reaction (ORR). <i>Small</i> , 2012 , 8, 13-27	11	230
725	Photothermally Sensitive Poly(N-isopropylacrylamide)/Graphene Oxide Nanocomposite Hydrogels as Remote Light-Controlled Liquid Microvalves. <i>Advanced Functional Materials</i> , 2012 , 22, 4017-4022	15.6	230
724	Synthesis of an attapulgite clay@carbon nanocomposite adsorbent by a hydrothermal carbonization process and their application in the removal of toxic metal ions from water. <i>Langmuir</i> , 2011 , 27, 8998-9004	4	229
723	Regulating the Coordination Environment of MOF-Templated Single-Atom Nickel Electrocatalysts for Boosting CO Reduction. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 2705-2709	16.4	227
722	Pumping through porous hydrophobic/oleophilic materials: an alternative technology for oil spill remediation. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 3612-6	16.4	223
721	Large scale photochemical synthesis of M@TiO ₂ nanocomposites (M = Ag, Pd, Au, Pt) and their optical properties, CO oxidation performance, and antibacterial effect. <i>Nano Research</i> , 2010 , 3, 244-255 ¹⁰	10	223
720	Low Cost Metal Carbide Nanocrystals as Binding and Electrocatalytic Sites for High Performance Li-S Batteries. <i>Nano Letters</i> , 2018 , 18, 1035-1043	11.5	222
719	Microwave-Assisted Rapid Facile Green Synthesis of Uniform Silver Nanoparticles: Self-Assembly into Multilayered Films and Their Optical Properties. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 11169-11174	3.8	220
718	Architectural control syntheses of CdS and CdSe nanoflowers, branched nanowires, and nanotrees via a solvothermal approach in a mixed solution and their photocatalytic property. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 11704-10	3.4	220
717	Core-shell heterojunction of silicon nanowire arrays and carbon quantum dots for photovoltaic devices and self-driven photodetectors. <i>ACS Nano</i> , 2014 , 8, 4015-22	16.7	216

716	Structural effects of iron oxide nanoparticles and iron ions on the hydrothermal carbonization of starch and rice carbohydrates. <i>Small</i> , 2006 , 2, 756-9	11	215
715	Polydimethylsiloxane Coating for a Palladium/MOF Composite: Highly Improved Catalytic Performance by Surface Hydrophobization. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 7379-83	16.4	212
714	Energetic I ₂ /V ₂ O ₅ and I ₂ /V ₂ O ₄ nanocrystals: synthesis, photovoltaic and thermoelectric applications. <i>Energy and Environmental Science</i> , 2014 , 7, 190-208	35.4	212
713	Large-Scale Synthesis of Highly Luminescent Perovskite-Related CsPb ₂ Br ₅ Nanoplatelets and Their Fast Anion Exchange. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 8328-32	16.4	206
712	Engineering interface and surface of noble metal nanoparticle nanotubes toward enhanced catalytic activity for fuel cell applications. <i>Accounts of Chemical Research</i> , 2013 , 46, 1427-37	24.3	205
711	Mesostructured assemblies of ultrathin superlong tellurium nanowires and their photoconductivity. <i>Journal of the American Chemical Society</i> , 2010 , 132, 8945-52	16.4	205
710	Copper nanocavities confine intermediates for efficient electrosynthesis of C ₃ alcohol fuels from carbon monoxide. <i>Nature Catalysis</i> , 2018 , 1, 946-951	36.5	205
709	Ultralight, Flexible, and Fire-Resistant Carbon Nanofiber Aerogels from Bacterial Cellulose. <i>Angewandte Chemie</i> , 2013 , 125, 2997-3001	3.6	201
708	Scaled-Up Synthesis of Amorphous NiFeMo Oxides and Their Rapid Surface Reconstruction for Superior Oxygen Evolution Catalysis. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 15772-15777	16.4	200
707	Highly conductive and stretchable conductors fabricated from bacterial cellulose. <i>NPG Asia Materials</i> , 2012 , 4, e19-e19	10.3	198
706	Ultrathin Te Nanowires: An Excellent Platform for Controlled Synthesis of Ultrathin Platinum and Palladium Nanowires/Nanotubes with Very High Aspect Ratio. <i>Advanced Materials</i> , 2009 , 21, 1850-1854	24	198
705	Synthesis of unique ultrathin lamellar mesostructured CoSe ₂ -amine (protonated) nanobelts in a binary solution. <i>Journal of the American Chemical Society</i> , 2009 , 131, 7486-7	16.4	198
704	Controlled synthesis of one-dimensional inorganic nanostructures using pre-existing one-dimensional nanostructures as templates. <i>Advanced Materials</i> , 2010 , 22, 3925-37	24	197
703	Large-scale fabrication of flexible silver/cross-linked poly(vinyl alcohol) coaxial nanocables by a facile solution approach. <i>Journal of the American Chemical Society</i> , 2005 , 127, 2822-3	16.4	196
702	Carbonaceous nanofiber membranes for selective filtration and separation of nanoparticles. <i>Advanced Materials</i> , 2010 , 22, 4691-5	24	195
701	Highly elastic and superstretchable graphene oxide/polyacrylamide hydrogels. <i>Small</i> , 2014 , 10, 448-53	11	194
700	Biotemplated synthesis of three-dimensional porous MnO/C-N nanocomposites from renewable rapeseed pollen: An anode material for lithium-ion batteries. <i>Nano Research</i> , 2017 , 10, 1-11	10	191
699	Carbon nanofiber aerogels for emergent cleanup of oil spillage and chemical leakage under harsh conditions. <i>Scientific Reports</i> , 2014 , 4, 4079	4.9	190

698	Tiny Pd@Co core-shell nanoparticles confined inside a metal-organic framework for highly efficient catalysis. <i>Small</i> , 2015 , 11, 71-6	11	187
697	Mass production of bulk artificial nacre with excellent mechanical properties. <i>Nature Communications</i> , 2017 , 8, 287	17.4	187
696	A preloaded amorphous calcium carbonate/doxorubicin@silica nanoreactor for pH-responsive delivery of an anticancer drug. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 919-22	16.4	185
695	Ultrathin PtPdTe nanowires as superior catalysts for methanol electrooxidation. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 7472-6	16.4	185
694	Growth of NiFe ₂ O ₄ nanoparticles on carbon cloth for high performance flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 10889	13	184
693	SiO Encapsulated in Graphene Bubble Film: An Ultrastable Li-Ion Battery Anode. <i>Advanced Materials</i> , 2018 , 30, e1707430	24	183
692	Functional carbonaceous materials from hydrothermal carbonization of biomass: an effective chemical process. <i>Dalton Transactions</i> , 2008 , 5414-23	4.3	183
691	A Novel Solvothermal Synthetic Route to Nanocrystalline CdE (E = S, Se, Te) and Morphological Control. <i>Chemistry of Materials</i> , 1998 , 10, 2309-2312	9.6	182
690	A Janus Nickel Cobalt Phosphide Catalyst for High-Efficiency Neutral-pH Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 15445-15449	16.4	182
689	Scalable Bromide-Triggered Synthesis of Pd@Pt Core-Shell Ultrathin Nanowires with Enhanced Electrocatalytic Performance toward Oxygen Reduction Reaction. <i>Journal of the American Chemical Society</i> , 2015 , 137, 7862-8	16.4	181
688	25th anniversary article: Artificial carbonate nanocrystals and layered structural nanocomposites inspired by nacre: synthesis, fabrication and applications. <i>Advanced Materials</i> , 2014 , 26, 163-87	24	181
687	Hierarchical FeWO ₄ microcrystals: solvothermal synthesis and their photocatalytic and magnetic properties. <i>Inorganic Chemistry</i> , 2009 , 48, 1082-90	5.1	180
686	Polymorph Discrimination of CaCO ₃ Mineral in an Ethanol/Water Solution: Formation of Complex Vaterite Superstructures and Aragonite Rods. <i>Chemistry of Materials</i> , 2006 , 18, 115-122	9.6	178
685	Synthesis and Magnetic Properties of Uniform Hematite Nanocubes. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 3551-3554	3.8	176
684	Nanocasting SiO into metal-organic frameworks imparts dual protection to high-loading Fe single-atom electrocatalysts. <i>Nature Communications</i> , 2020 , 11, 2831	17.4	173
683	Stability and Reactivity: Positive and Negative Aspects for Nanoparticle Processing. <i>Chemical Reviews</i> , 2018 , 118, 3209-3250	68.1	173
682	Hierarchical hollow Co ₉ S ₈ microspheres: solvothermal synthesis, magnetic, electrochemical, and electrocatalytic properties. <i>Chemistry - A European Journal</i> , 2010 , 16, 12000-7	4.8	173
681	Controlled assemblies of gold nanorods in PVA nanofiber matrix as flexible free-standing SERS substrates by electrospinning. <i>Small</i> , 2012 , 8, 647-53	11	171

680	Facile synthesis of mesoporous nitrogen-doped graphene: An efficient methanol-tolerant cathodic catalyst for oxygen reduction reaction. <i>Nano Energy</i> , 2014 , 3, 55-63	17.1	169
679	Stretchable conductors based on silver nanowires: improved performance through a binary network design. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 1654-9	16.4	168
678	Ultrathin W18O49 nanowire assemblies for electrochromic devices. <i>Nano Letters</i> , 2013 , 13, 3589-93	11.5	166
677	Mixed-solution synthesis of sea urchin-like NiSe nanofiber assemblies as economical Pt-free catalysts for electrochemical H ₂ production. <i>Journal of Materials Chemistry</i> , 2012 , 22, 13662		165
676	Facile dip coating processed graphene/MnO ₂ nanostructured sponges as high performance supercapacitor electrodes. <i>Nano Energy</i> , 2013 , 2, 505-513	17.1	163
675	Formation of Silver Nanowires by a Novel Solid-Liquid Phase Arc Discharge Method. <i>Chemistry of Materials</i> , 1999 , 11, 545-546	9.6	163
674	Protecting Copper Oxidation State via Intermediate Confinement for Selective CO Electroreduction to C Fuels. <i>Journal of the American Chemical Society</i> , 2020 , 142, 6400-6408	16.4	162
673	Large Area Co-Assembly of Nanowires for Flexible Transparent Smart Windows. <i>Journal of the American Chemical Society</i> , 2017 , 139, 9921-9926	16.4	161
672	Morphogenesis and Crystallization of Bi ₂ S ₃ Nanostructures by an Ionic Liquid-Assisted Templating Route: Synthesis, Formation Mechanism, and Properties. <i>Chemistry of Materials</i> , 2005 , 17, 6094-6100	9.6	160
671	Metastable Hexagonal In ₂ O ₃ Nanofibers Templated from InOOH Nanofibers under Ambient Pressure. <i>Advanced Functional Materials</i> , 2003 , 13, 497-501	15.6	160
670	Macroscopic free-standing hierarchical 3D architectures assembled from silver nanowires by ice templating. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 4561-6	16.4	158
669	Large scale synthesis of uniform CuS nanotubes in ethylene glycol by a sacrificial templating method under mild conditions. <i>Journal of Materials Chemistry</i> , 2006 , 16, 3326		158
668	Complex Spherical BaCO ₃ Superstructures Self-Assembled by a Facile Mineralization Process under Control of Simple Polyelectrolytes. <i>Crystal Growth and Design</i> , 2004 , 4, 33-37	3.5	158
667	Mixed-PtPd-Shell PtPdCu Nanoparticle Nanotubes Templated from Copper Nanowires as Efficient and Highly Durable Electrocatalysts. <i>Advanced Energy Materials</i> , 2012 , 2, 1182-1187	21.8	156
666	Highly crystalline PtCu nanotubes with three dimensional molecular accessible and restructured surface for efficient catalysis. <i>Energy and Environmental Science</i> , 2017 , 10, 1751-1756	35.4	155
665	Biomimetic Crystallization of Calcium Carbonate Spherules with Controlled Surface Structures and Sizes by Double-Hydrophilic Block Copolymers. <i>Advanced Functional Materials</i> , 2002 , 12, 541	15.6	155
664	Anisotropic and self-healing hydrogels with multi-responsive actuating capability. <i>Nature Communications</i> , 2019 , 10, 2202	17.4	154
663	Metal-like fluorine-doped FeOOH nanorods grown on carbon cloth for scalable high-performance supercapacitors. <i>Nano Energy</i> , 2015 , 11, 119-128	17.1	154

- 662 Morphology control of stolzite microcrystals with high hierarchy in solution. *Angewandte Chemie - International Edition*, **2004**, 43, 4745-50 16.4 154
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