

# Shu-Hong Yu

## List of Publications by Year in descending order

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800  
papers

94,964  
citations

102

165  
h-index

483

270  
g-index

872  
all docs

872  
docs citations

872  
times ranked

68134  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Nitrogen-Doped Porous Carbon Nanofibers as an Efficient Electrode Material for Supercapacitors. <i>ACS Nano</i> , 2012, 6, 7092-7102.	14.6	1,572
2	Engineering Carbon Materials from the Hydrothermal Carbonization Process of Biomass. <i>Advanced Materials</i> , 2010, 22, 813-828.	21.0	1,492
3	Nanostructured metal chalcogenides: synthesis, modification, and applications in energy conversion and storage devices. <i>Chemical Society Reviews</i> , 2013, 42, 2986.	38.1	1,393
4	From Bimetallic Metal-Organic Framework to Porous Carbon: High Surface Area and Multicomponent Active Dopants for Excellent Electrocatalysis. <i>Advanced Materials</i> , 2015, 27, 5010-5016.	21.0	1,224
5	Macroscopic Multifunctional Graphene-Based Hydrogels and Aerogels by a Metal Ion Induced Self-Assembly Process. <i>ACS Nano</i> , 2012, 6, 2693-2703.	14.6	1,034
6	A Flexible and Highly Pressure-Sensitive Graphene-Polyurethane Sponge Based on Fractured Microstructure Design. <i>Advanced Materials</i> , 2013, 25, 6692-6698.	21.0	985
7	Flexible graphene-polyaniline composite paper for high-performance supercapacitor. <i>Energy and Environmental Science</i> , 2013, 6, 1185.	30.8	970
8	Visible-Light Photoreduction of CO <sub>2</sub> in a Metal-Organic Framework: Boosting Electron-Hole Separation via Electron Trap States. <i>Journal of the American Chemical Society</i> , 2015, 137, 13440-13443.	13.7	927
9	An efficient molybdenum disulfide/cobalt diselenide hybrid catalyst for electrochemical hydrogen generation. <i>Nature Communications</i> , 2015, 6, 5982.	12.8	897
10	Clean and Affordable Hydrogen Fuel from Alkaline Water Splitting: Past, Recent Progress, and Future Prospects. <i>Advanced Materials</i> , 2021, 33, e2007100.	21.0	781
11	Synthetic nacre by predesigned matrix-directed mineralization. <i>Science</i> , 2016, 354, 107-110.	12.6	706
12	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.	13.8	669
13	Water Oxidation Electrocatalyzed by an Efficient Mn <sub>3</sub> O <sub>4</sub> /CoSe <sub>2</sub> Nanocomposite. <i>Journal of the American Chemical Society</i> , 2012, 134, 2930-2933.	13.7	644
14	Ultralight, Flexible, and Fire-Resistant Carbon Nanofiber Aerogels from Bacterial Cellulose. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2925-2929.	13.8	643
15	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.	13.7	616
16	Joule-heated graphene-wrapped sponge enables fast clean-up of viscous crude-oil spill. <i>Nature Nanotechnology</i> , 2017, 12, 434-440.	31.5	610
17	Macroscopic-Scale Template Synthesis of Robust Carbonaceous Nanofiber Hydrogels and Aerogels and Their Applications. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5101-5105.	13.8	609
18	Ni-Mo nanorod-derived composite catalysts for efficient alkaline water-to-hydrogen conversion via urea electrolysis. <i>Energy and Environmental Science</i> , 2018, 11, 1890-1897.	30.8	599

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19	Free-Standing Copper Nanowire Network Current Collector for Improving Lithium Anode Performance. <i>Nano Letters</i> , 2016, 16, 4431-4437.	9.1	597
20	Bacterialâ€Celluloseâ€Derived Carbon Nanofiber@MnO <sub>2</sub> and Nitrogenâ€Doped Carbon Nanofiber Electrode Materials: An Asymmetric Supercapacitor with High Energy and Power Density. <i>Advanced Materials</i> , 2013, 25, 4746-4752.	21.0	590
21	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.	6.7	586
22	Nanowire-Directed Templating Synthesis of Metalâ€Organic Framework Nanofibers and Their Derived Porous Doped Carbon Nanofibers for Enhanced Electrocatalysis. <i>Journal of the American Chemical Society</i> , 2014, 136, 14385-14388.	13.7	584
23	A Nitrogenâ€Doped Graphene/Carbon Nanotube Nanocomposite with Synergistically Enhanced Electrochemical Activity. <i>Advanced Materials</i> , 2013, 25, 3192-3196.	21.0	576
24	Carbon dots: large-scale synthesis, sensing and bioimaging. <i>Materials Today</i> , 2016, 19, 382-393.	14.2	575
25	Advanced Sorbents for Oilâ€Spill Cleanup: Recent Advances and Future Perspectives. <i>Advanced Materials</i> , 2016, 28, 10459-10490.	21.0	547
26	Iron Carbide Nanoparticles Encapsulated in Mesoporous Feâ€Nâ€Doped Carbon Nanofibers for Efficient Electrocatalysis. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8179-8183.	13.8	544
27	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.	30.8	537
28	Steering post-Câ€C coupling selectivity enables high efficiency electroreduction of carbon dioxide to multi-carbon alcohols. <i>Nature Catalysis</i> , 2018, 1, 421-428.	34.4	537
29	Threeâ€Dimensional Heteroatomâ€Doped Carbon Nanofiber Networks Derived from Bacterial Cellulose for Supercapacitors. <i>Advanced Functional Materials</i> , 2014, 24, 5104-5111.	14.9	535
30	Nanoparticles meet electrospinning: recent advances and future prospects. <i>Chemical Society Reviews</i> , 2014, 43, 4423.	38.1	534
31	Hydrothermal synthesis of macroscopic nitrogen-doped graphene hydrogels for ultrafast supercapacitor. <i>Nano Energy</i> , 2013, 2, 249-256.	16.0	530
32	Octahedral PtNi Nanoparticle Catalysts: Exceptional Oxygen Reduction Activity by Tuning the Alloy Particle Surface Composition. <i>Nano Letters</i> , 2012, 12, 5885-5889.	9.1	522
33	Nitrogen-Doped Graphene Supported CoSe <sub>2</sub> Nanobelt Composite Catalyst for Efficient Water Oxidation. <i>ACS Nano</i> , 2014, 8, 3970-3978.	14.6	516
34	Boosting Photocatalytic Hydrogen Production of a Metalâ€Organic Framework Decorated with Platinum Nanoparticles: The Platinum Location Matters. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9389-9393.	13.8	513
35	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.	30.8	495
36	A Facile and General Coating Approach to Moisture/Water-Resistant Metalâ€Organic Frameworks with Intact Porosity. <i>Journal of the American Chemical Society</i> , 2014, 136, 16978-16981.	13.7	445

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37	Ce <sup>3+</sup> -Doping to Modulate Photoluminescence Kinetics for Efficient CsPbBr <sub>3</sub> Nanocrystals Based Light-Emitting Diodes. <i>Journal of the American Chemical Society</i> , 2018, 140, 3626-3634.	13.7	442
38	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.	6.7	441
39	General Synthesis of Single-Crystal Tungstate Nanorods/Nanowires: A Facile, Low-Temperature Solution Approach. <i>Advanced Functional Materials</i> , 2003, 13, 639-647.	14.9	439
40	Bio-inspired crystal morphogenesis by hydrophilic polymers. <i>Journal of Materials Chemistry</i> , 2004, 14, 2124-2147.	6.7	436
41	Photocatalytic CO <sub>2</sub> Reduction by Carbon-Coated Indium-Oxide Nanobelts. <i>Journal of the American Chemical Society</i> , 2017, 139, 4123-4129.	13.7	434
42	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.	13.8	429
43	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, 3685-3689.	13.8	426
44	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.	13.8	426
45	Graphene-based macroscopic assemblies and architectures: an emerging material system. <i>Chemical Society Reviews</i> , 2014, 43, 7295-7325.	38.1	416
46	Template-Directed Growth of Well-Aligned MOF Arrays and Derived Self-Supporting Electrodes for Water Splitting. <i>CheM</i> , 2017, 2, 791-802.	11.7	407
47	Regulating the Coordination Environment of MOF-Templated Single-Atom Nickel Electrocatalysts for Boosting CO <sub>2</sub> Reduction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2705-2709.	13.8	404
48	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.	13.7	401
49	A Stretchable Electronic Fabric Artificial Skin with Pressure, Lateral Strain, and Flexion-Sensitive Properties. <i>Advanced Materials</i> , 2016, 28, 722-728.	21.0	400
50	Macroscopic and Microscopic Investigation of U(VI) and Eu(III) Adsorption on Carbonaceous Nanofibers. <i>Environmental Science &amp; Technology</i> , 2016, 50, 4459-4467.	10.0	398
51	Protecting Copper Oxidation State via Intermediate Confinement for Selective CO <sub>2</sub> Electroreduction to C <sub>2+</sub> Fuels. <i>Journal of the American Chemical Society</i> , 2020, 142, 6400-6408.	13.7	396
52	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.	16.0	395
53	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, 8546-8550.	13.8	381
54	Formation Process of CdS Nanorods via Solvothermal Route. <i>Chemistry of Materials</i> , 2000, 12, 3259-3263.	6.7	374

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55	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.	14.6	373
56	A one-dimensional porous carbon-supported Ni/Mo <sub>2</sub> C dual catalyst for efficient water splitting. <i>Chemical Science</i> , 2017, 8, 968-973.	7.4	372
57	Porous Molybdenum-Based Hybrid Catalysts for Highly Efficient Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12928-12932.	13.8	368
58	Multifunctional PdAg@MIL-101 for One-Pot Cascade Reactions: Combination of Host-Guest Cooperation and Bimetallic Synergy in Catalysis. <i>ACS Catalysis</i> , 2015, 5, 2062-2069.	11.2	363
59	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.	13.7	360
60	Doping-induced structural phase transition in cobalt diselenide enables enhanced hydrogen evolution catalysis. <i>Nature Communications</i> , 2018, 9, 2533.	12.8	356
61	Copper nanocavities confine intermediates for efficient electrosynthesis of C3 alcohol fuels from carbon monoxide. <i>Nature Catalysis</i> , 2018, 1, 946-951.	34.4	354
62	Super-elastic and fatigue resistant carbon material with lamellar multi-arch microstructure. <i>Nature Communications</i> , 2016, 7, 12920.	12.8	344
63	Water-Soluble Magnetic-Functionalized Reduced Graphene Oxide Sheets: In situ Synthesis and Magnetic Resonance Imaging Applications. <i>Small</i> , 2010, 6, 169-173.	10.0	342
64	Hierarchical assembly of micro-/nano-building blocks: bio-inspired rigid structural functional materials. <i>Chemical Society Reviews</i> , 2011, 40, 3764.	38.1	341
65	Water-stable metal-organic frameworks with intrinsic peroxidase-like catalytic activity as a colorimetric biosensing platform. <i>Chemical Communications</i> , 2014, 50, 1092-1094.	4.1	339
66	Carbon Nanofibers Decorated with Molybdenum Disulfide Nanosheets: Synergistic Lithium Storage and Enhanced Electrochemical Performance. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11552-11556.	13.8	326
67	An Efficient CeO <sub>2</sub> /CoSe <sub>2</sub> Nanobelt Composite for Electrochemical Water Oxidation. <i>Small</i> , 2015, 11, 182-188.	10.0	325
68	Bacterial Cellulose: A Robust Platform for Design of Three Dimensional Carbon-Based Functional Nanomaterials. <i>Accounts of Chemical Research</i> , 2016, 49, 96-105.	15.6	322
69	Nanocasting SiO <sub>2</sub> into metal-organic frameworks imparts dual protection to high-loading Fe single-atom electrocatalysts. <i>Nature Communications</i> , 2020, 11, 2831.	12.8	321
70	Tectonic arrangement of BaCO <sub>3</sub> nanocrystals into helices induced by a racemic block copolymer. <i>Nature Materials</i> , 2004, 4, 51-55.	27.5	316
71	Facile synthesis of silver@graphene oxide nanocomposites and their enhanced antibacterial properties. <i>Journal of Materials Chemistry</i> , 2011, 21, 4593.	6.7	313
72	Stretchable and Self-Healing Graphene Oxide-Polymer Composite Hydrogels: A Dual-Network Design. <i>Chemistry of Materials</i> , 2013, 25, 3357-3362.	6.7	313

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73	Turning on Visible-Light Photocatalytic C <sup>+</sup> H Oxidation over Metal-Organic Frameworks by Introducing Metal-to-Cluster Charge Transfer. <i>Journal of the American Chemical Society</i> , 2019, 141, 19110-19117.	13.7	308
74	Non-Bonding Interaction of Neighboring Fe and Ni Single-Atom Pairs on MOF-Derived N-Doped Carbon for Enhanced CO <sub>2</sub> Electroreduction. <i>Journal of the American Chemical Society</i> , 2021, 143, 19417-19424.	13.7	305
75	A Free-Standing Pt Nanowire Membrane as a Highly Stable Electrocatalyst for the Oxygen Reduction Reaction. <i>Advanced Materials</i> , 2011, 23, 1467-1471.	21.0	304
76	Artificial Nacre-Like Bionanocomposite Films from the Self-Assembly of Chitosan-Montmorillonite Hybrid Building Blocks. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 10127-10131.	13.8	300
77	A Janus Nickel Cobalt Phosphide Catalyst for High-Efficiency Neutral-pH Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15445-15449.	13.8	299
78	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, 3830-3835.	3.5	296
79	Mass production of bulk artificial nacre with excellent mechanical properties. <i>Nature Communications</i> , 2017, 8, 287.	12.8	293
80	Low Cost Metal Carbide Nanocrystals as Binding and Electrocatalytic Sites for High Performance Li-S Batteries. <i>Nano Letters</i> , 2018, 18, 1035-1043.	9.1	285
81	Formation of Uniform CuO Nanorods by Spontaneous Aggregation: Selective Synthesis of CuO, Cu <sub>2</sub> O, and Cu Nanoparticles by a Solid-Liquid Phase Arc Discharge Process. <i>Journal of Physical Chemistry B</i> , 2005, 109, 14011-14016.	2.6	280
82	From Starch to Metal/Carbon Hybrid Nanostructures: Hydrothermal Metal-Catalyzed Carbonization. <i>Advanced Materials</i> , 2004, 16, 1636-1640.	21.0	273
83	Monolayer Graphene Film on ZnO Nanorod Array for High-Performance Schottky Junction Ultraviolet Photodetectors. <i>Small</i> , 2013, 9, 2872-2879.	10.0	271
84	Polymer-Controlled Morphosynthesis and Mineralization of Metal Carbonate Superstructures. <i>Journal of Physical Chemistry B</i> , 2003, 107, 7396-7405.	2.6	266
85	Robust and Highly Efficient Free-Standing Carbonaceous Nanofiber Membranes for Water Purification. <i>Advanced Functional Materials</i> , 2011, 21, 3851-3858.	14.9	266
86	Macroscopic-Scale Assembled Nanowire Thin Films and Their Functionalities. <i>Chemical Reviews</i> , 2012, 112, 4770-4799.	47.7	266
87	Fire-Retardant and Thermally Insulating Phenolic-Silica Aerogels. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4538-4542.	13.8	266
88	Stability and Reactivity: Positive and Negative Aspects for Nanoparticle Processing. <i>Chemical Reviews</i> , 2018, 118, 3209-3250.	47.7	261
89	Nitrogen-Doped Graphene/ZnSe Nanocomposites: Hydrothermal Synthesis and Their Enhanced Electrochemical and Photocatalytic Activities. <i>ACS Nano</i> , 2012, 6, 712-719.	14.6	260
90	Polydimethylsiloxane Coating for a Palladium/MOF Composite: Highly Improved Catalytic Performance by Surface Hydrophobization. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7379-7383.	13.8	260

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91	Photothermally Sensitive Poly( <i>N</i> -isopropylacrylamide)/Graphene Oxide Nanocomposite Hydrogels as Remote Light-Controlled Liquid Microvalves. <i>Advanced Functional Materials</i> , 2012, 22, 4017-4022.	14.9	258
92	Core-Shell Heterojunction of Silicon Nanowire Arrays and Carbon Quantum Dots for Photovoltaic Devices and Self-Driven Photodetectors. <i>ACS Nano</i> , 2014, 8, 4015-4022.	14.6	258
93	Wet-spinning assembly of continuous, neat and macroscopic graphene fibers. <i>Scientific Reports</i> , 2012, 2, 613.	3.3	257
94	Solution-Based Synthesis and Design of Late Transition Metal Chalcogenide Materials for Oxygen Reduction Reaction (ORR). <i>Small</i> , 2012, 8, 13-27.	10.0	256
95	Growth and Self-Assembly of BaCrO <sub>4</sub> and BaSO <sub>4</sub> Nanofibers toward Hierarchical and Repetitive Superstructures by Polymer-Controlled Mineralization Reactions. <i>Nano Letters</i> , 2003, 3, 379-382.	9.1	254
96	Large scale photochemical synthesis of M@TiO <sub>2</sub> nanocomposites (M = Ag, Pd, Au, Pt) and their optical properties, CO oxidation performance, and antibacterial effect. <i>Nano Research</i> , 2010, 3, 244-255.	10.4	254
97	Synthesis of Uniform Te@Carbon-Rich Composite Nanocables with Photoluminescence Properties and Carbonaceous Nanofibers by the Hydrothermal Carbonization of Glucose. <i>Chemistry of Materials</i> , 2006, 18, 2102-2108.	6.7	253
98	Pumping through Porous Hydrophobic/Oleophilic Materials: An Alternative Technology for Oil Spill Remediation. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3612-3616.	13.8	253
99	Energetic BiVO <sub>4</sub> and InVO <sub>4</sub> nanocrystals: synthesis, photovoltaic and thermoelectric applications. <i>Energy and Environmental Science</i> , 2014, 7, 190-208.	30.8	251
100	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.	3.5	247
101	Single-Atom Electrocatalysts from Multivariate Metal-Organic Frameworks for Highly Selective Reduction of CO <sub>2</sub> at Low Pressures. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20589-20595.	13.8	247
102	Large-Scale Synthesis of Highly Luminescent Perovskite-Related CsPb <sub>2</sub> Br <sub>5</sub> Nanoplatelets and Their Fast Anion Exchange. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8328-8332.	13.8	243
103	SiO <sub>x</sub> Encapsulated in Graphene Bubble Film: An Ultrastable Ion Battery Anode. <i>Advanced Materials</i> , 2018, 30, e1707430.	21.0	243
104	Mesostructured Assemblies of Ultrathin Superlong Tellurium Nanowires and Their Photoconductivity. <i>Journal of the American Chemical Society</i> , 2010, 132, 8945-8952.	13.7	242
105	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.	3.1	240
106	Structural Effects of Iron Oxide Nanoparticles and Iron Ions on the Hydrothermal Carbonization of Starch and Rice Carbohydrates. <i>Small</i> , 2006, 2, 756-759.	10.0	238
107	Anisotropic and self-healing hydrogels with multi-responsive actuating capability. <i>Nature Communications</i> , 2019, 10, 2202.	12.8	238
108	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, 11704-11710.	2.6	236

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109	Large Area Co-Assembly of Nanowires for Flexible Transparent Smart Windows. <i>Journal of the American Chemical Society</i> , 2017, 139, 9921-9926.	13.7	236
110	Highly Elastic and Superstretchable Graphene Oxide/Polyacrylamide Hydrogels. <i>Small</i> , 2014, 10, 448-453.	10.0	230
111	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, 1427-1437.	15.6	227
112	25th Anniversary Article: Artificial Carbonate Nanocrystals and Layered Structural Nanocomposites Inspired by Nacre: Synthesis, Fabrication and Applications. <i>Advanced Materials</i> , 2014, 26, 163-188.	21.0	226
113	Carbon nanofiber aerogels for emergent cleanup of oil spillage and chemical leakage under harsh conditions. <i>Scientific Reports</i> , 2014, 4, 4079.	3.3	223
114	Controlled Synthesis of One-Dimensional Inorganic Nanostructures Using Pre-Existing One-Dimensional Nanostructures as Templates. <i>Advanced Materials</i> , 2010, 22, 3925-3937.	21.0	222
115	A Preloaded Amorphous Calcium Carbonate/Doxorubicin@Silica Nanoreactor for pH-Responsive Delivery of an Anticancer Drug. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 919-922.	13.8	222
116	Bioinspired polymeric woods. <i>Science Advances</i> , 2018, 4, eaat7223.	10.3	219
117	Few-Nanometer-Sized $\text{CsPbBr}_3$ Quantum Dots Enabled by Strontium Substitution and Iodide Passivation for Efficient Red-Light Emitting Diodes. <i>Journal of the American Chemical Society</i> , 2019, 141, 2069-2079.	13.7	218
118	Synthesis of Unique Ultrathin Lamellar Mesostructured $\text{CoSe}_2$ Amine (Protonated) Nanobelts in a Binary Solution. <i>Journal of the American Chemical Society</i> , 2009, 131, 7486-7487.	13.7	217
119	Highly conductive and stretchable conductors fabricated from bacterial cellulose. <i>NPG Asia Materials</i> , 2012, 4, e19-e19.	7.9	217
120	Tiny Pd@Co Core-Shell Nanoparticles Confined inside a Metal-Organic Framework for Highly Efficient Catalysis. <i>Small</i> , 2015, 11, 71-76.	10.0	215
121	Growth of $\text{NiFe}_2\text{O}_4$ nanoparticles on carbon cloth for high performance flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014, 2, 10889.	10.3	214
122	A Highly Stretchable and Real-Time Healable Supercapacitor. <i>Advanced Materials</i> , 2019, 31, e1900573.	21.0	214
123	Synthesis of Low Pt-Based Quaternary PtPdRuTe Nanotubes with Optimized Incorporation of Pd for Enhanced Electrocatalytic Activity. <i>Journal of the American Chemical Society</i> , 2017, 139, 5890-5895.	13.7	212
124	Carbonaceous Nanofiber Membranes for Selective Filtration and Separation of Nanoparticles. <i>Advanced Materials</i> , 2010, 22, 4691-4695.	21.0	209
125	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.	21.0	208
126	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.	10.4	208



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127	Ultrathin PtPdTe Nanowires as Superior Catalysts for Methanol Electrooxidation. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7472-7476.	13.8	206
128	Woodâ€inspired Highâ€Performance Ultrathick Bulk Battery Electrodes. <i>Advanced Materials</i> , 2018, 30, e1706745.	21.0	205
129	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, 2822-2823.	13.7	204
130	Scalable Bromide-Triggered Synthesis of Pd@Pt Coreâ€Shell Ultrathin Nanowires with Enhanced Electrocatalytic Performance toward Oxygen Reduction Reaction. <i>Journal of the American Chemical Society</i> , 2015, 137, 7862-7868.	13.7	204
131	Unconventional CN vacancies suppress iron-leaching in Prussian blue analogue pre-catalyst for boosted oxygen evolution catalysis. <i>Nature Communications</i> , 2019, 10, 2799.	12.8	202
132	Hierarchical FeWO <sub>4</sub> Microcrystals: Solvothermal Synthesis and Their Photocatalytic and Magnetic Properties. <i>Inorganic Chemistry</i> , 2009, 48, 1082-1090.	4.0	201
133	From UV to Nearâ€Infrared Lightâ€Responsive Metalâ€Organic Framework Composites: Plasmon and Upconversion Enhanced Photocatalysis. <i>Advanced Materials</i> , 2018, 30, e1707377.	21.0	200
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