

Shu-Hong Yu

List of Publications by Year in descending order

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800
papers

94,964
citations

102

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872
all docs

872
docs citations

872
times ranked

68134
citing authors

#	ARTICLE	IF	CITATIONS
1	Detecting and curing the voids in nacre-inspired layered MXene films. <i>Science Bulletin</i> , 2022, 67, 347-349.	9.0	3
2	Ultrastretchable and Self-Healing Conductors with Double Dynamic Network for Omni-Healable Capacitive Strain Sensors. <i>Nano Letters</i> , 2022, 22, 1433-1442.	9.1	24
3	Double-Layer Nacre-Inspired Polyimide-Mica Nanocomposite Films with Excellent Mechanical Stability for LEO Environmental Conditions. <i>Advanced Materials</i> , 2022, 34, e2105299.	21.0	56
4	All-in-one hollow nanoformulations enabled imaging-guided Mn-amplified chemophototherapy against hepatocellular carcinoma. <i>Nano Today</i> , 2022, 43, 101382.	11.9	7
5	Ordering silver nanowires for chiroptical activity. <i>Science China Materials</i> , 2022, 65, 1362-1368.	6.3	5
6	Artificial Nacre with High Toughness Amplification Factor: Residual Stress-Engineering Sparks Enhanced Extrinsic Toughening Mechanisms. <i>Advanced Materials</i> , 2022, 34, e2108267.	21.0	34
7	Radially Porous Nanocomposite Scaffolds with Enhanced Capability for Guiding Bone Regeneration In Vivo. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	36
8	Anti-Swelling, Robust, and Adhesive Extracellular Matrix-Mimicking Hydrogel Used as Intraoral Dressing. <i>Advanced Materials</i> , 2022, 34, e2200115.	21.0	61
9	Edible, Ultrastrong, and Microplastic-Free Bacterial Cellulose-Based Straws by Biosynthesis. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	42
10	On-demand synthesis of high-quality, blue-light-active ZnSe colloidal quantum wires. <i>National Science Review</i> , 2022, 9, .	9.5	3
11	Biomimetic Design of Macroporous 3D Truss Materials for Efficient Interfacial Solar Steam Generation. <i>ACS Nano</i> , 2022, 16, 3554-3562.	14.6	67
12	Biomimetic discontinuous Bouligand structural design enables high-performance nanocomposites. <i>Matter</i> , 2022, 5, 1563-1577.	10.0	27
13	Bio-inspired synthesis of transition-metal oxide hybrid ultrathin nanosheets for enhancing the cycling stability in lithium-ion batteries. <i>Nano Research</i> , 2022, 15, 5064-5071.	10.4	8
14	Sustainable Multiscale High-Haze Transparent Cellulose Fiber Film via a Biomimetic Approach. , 2022, 4, 87-92.		32
15	Lead-Free Halide CsAg ₂ I ₃ with 1D Electronic Structure and High Stability for Ultraviolet Photodetector. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	18
16	Extremely fast-charging lithium ion battery enabled by dual-gradient structure design. <i>Science Advances</i> , 2022, 8, eabm6624.	10.3	50
17	Drug Protein-Stabilized Biomimetic Amorphous Mineral Nanoparticles as Superior Drug Carriers. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	4
18	Reduction-Controlled Atomic Migration for Single Atom Alloy Library. <i>Nano Letters</i> , 2022, 22, 4232-4239.	9.1	20

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19	CO ₂ -to-methane electroreduction gets a helping hand. <i>Matter</i> , 2022, 5, 1337-1339.	10.0	0
20	Self-Assembly of Nanowires: From Dynamic Monitoring to Precision Control. <i>Accounts of Chemical Research</i> , 2022, 55, 1480-1491.	15.6	12
21	General Synthesis and Solution Processing of Metal-Organic Framework Nanofibers. <i>Advanced Materials</i> , 2022, 34, e2202504.	21.0	9
22	Nacre-Inspired Nanocomposite Films with Enhanced Mechanical and Barrier Properties by Self-Assembly of Poly(Lactic Acid) Coated Mica Nanosheets. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	48
23	Autonomous Self-Healing of Highly Stretchable Supercapacitors at All Climates. <i>Nano Letters</i> , 2022, 22, 6444-6453.	9.1	15
24	Growing Bacterial Cellulose-Based Sustainable Functional Bulk Nanocomposites by Biosynthesis: Recent Advances and Perspectives. <i>Accounts of Materials Research</i> , 2022, 3, 608-619.	11.7	7
25	Multifunctional artificial nacre via biomimetic matrix-directed mineralization. , 2022, 52, 1.		0
26	The New Era of Self-Assembled Nanomaterials. <i>Accounts of Chemical Research</i> , 2022, 55, 1783-1784.	15.6	4
27	Manipulating Nanowire Structures for an Enhanced Broad-Band Flexible Photothermoelectric Photodetector. <i>Nano Letters</i> , 2022, 22, 5929-5935.	9.1	8
28	Economical Architected Foamy Aerogel Coating for Energy Conservation and Flame Resistance. , 2022, 4, 1453-1461.		10
29	General Synthesis of Tube-like Nanostructured Perovskite Oxides with Tunable Transition Metal-Oxygen Covalency for Efficient Water Electrooxidation in Neutral Media. <i>Journal of the American Chemical Society</i> , 2022, 144, 13163-13173.	13.7	39
30	Emerging Bioinspired Artificial Woods. <i>Advanced Materials</i> , 2021, 33, e2001086.	21.0	54
31	Rational Design of Core-Shell ZnTe@N-Doped Carbon Nanowires for High Gravimetric and Volumetric Alkali Metal Ion Storage. <i>Advanced Functional Materials</i> , 2021, 31, 2006425.	14.9	75
32	Efficient encapsulation of water soluble inorganic and organic actives in melamine formaldehyde based microcapsules for control release into an aqueous environment. <i>Chemical Engineering Science</i> , 2021, 229, 116103.	3.8	8
33	Integration of Pd nanoparticles with engineered pore walls in MOFs for enhanced catalysis. <i>Chem</i> , 2021, 7, 686-698.	11.7	146
34	Precise fabrication of single-atom alloy co-catalyst with optimal charge state for enhanced photocatalysis. <i>National Science Review</i> , 2021, 8, nwaa224.	9.5	125
35	Regenerated isotropic wood. <i>National Science Review</i> , 2021, 8, nwaa230.	9.5	55
36	Nacreous aramid-mica bulk materials with excellent mechanical properties and environmental stability. <i>IScience</i> , 2021, 24, 101971.	4.1	15

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37	Nacre-Inspired Sustainable Coatings with Remarkable Fire-Retardant and Energy-Saving Cooling Performance. , 2021, 3, 243-248.		33
38	Soft chemistry of metastable metal chalcogenide nanomaterials. Chemical Society Reviews, 2021, 50, 6671-6683.	38.1	30
39	Bio-Inspired Lotus-Fiber-like Spiral Hydrogel Bacterial Cellulose Fibers. Nano Letters, 2021, 21, 952-958.	9.1	97
40	Multicore closely packed ultrathin-MnO ₂ @N-doped carbon-gear yolk-shell micro-nanostructures as highly efficient sulfur hosts for Li-S batteries. Journal of Materials Chemistry A, 2021, 9, 2276-2283.	10.3	20
41	Templating Synthesis of Metal-Organic Framework Nanofiber Aerogels and Their Derived Hollow Porous Carbon Nanofibers for Energy Storage and Conversion. Small, 2021, 17, e2004140.	10.0	32
42	Sustainable Double-Network Structural Materials for Electromagnetic Shielding. Nano Letters, 2021, 21, 2532-2537.	9.1	83
43	Bioresorbable Scaffolds with Biocatalytic Chemotherapy and In Situ Microenvironment Modulation for Postoperative Tissue Repair. Advanced Functional Materials, 2021, 31, 2008732.	14.9	22
44	Scallion-Inspired Graphene Scaffold Enabled High Rate Lithium Metal Battery. Nano Letters, 2021, 21, 2347-2355.	9.1	20
45	Highly stretchable, soft and sticky PDMS elastomer by solvothermal polymerization process. Nano Research, 2021, 14, 3636-3642.	10.4	17
46	One-Dimensional Superlattice Heterostructure Library. Journal of the American Chemical Society, 2021, 143, 7013-7020.	13.7	16
47	Joule-heated carbonized melamine sponge for high-speed absorption of viscous oil spills. Nano Research, 2021, 14, 2697-2702.	10.4	29
48	Sustainable Cellulose-Nanofiber-Based Hydrogels. ACS Nano, 2021, 15, 7889-7898.	14.6	84
49	Large-Area Crystalline Zeolitic Imidazolate Framework Thin Films. Angewandte Chemie, 2021, 133, 14243-14249.	2.0	4
50	Large-Area Crystalline Zeolitic Imidazolate Framework Thin Films. Angewandte Chemie - International Edition, 2021, 60, 14124-14130.	13.8	30
51	Microplastics release from victuals packaging materials during daily usage. EcoMat, 2021, 3, e12107.	11.9	31
52	Clean and Affordable Hydrogen Fuel from Alkaline Water Splitting: Past, Recent Progress, and Future Prospects. Advanced Materials, 2021, 33, e2007100.	21.0	781
53	Biomimetic Design and Mass Production of Sustainable Multiscale Cellulose Fibers-Based Hierarchical Filter Materials for Protective Clothing. Advanced Materials Technologies, 2021, 6, 2100193.	5.8	15
54	Adhesive aero-hydrogel hybrid conductor assembled from silver nanowire architectures. Science China Materials, 2021, 64, 2868-2876.	6.3	12

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55	Microchemical Engineering in a 3D Ordered Channel Enhances Electrocatalysis. <i>Journal of the American Chemical Society</i> , 2021, 143, 12600-12608.	13.7	25
56	Future directions of material chemistry and energy chemistry. <i>Pure and Applied Chemistry</i> , 2021, 93, 1435-1451.	1.9	0
57	A Magneto-Heated Ferrimagnetic Sponge for Continuous Recovery of Viscous Crude Oil. <i>Advanced Materials</i> , 2021, 33, e2100074.	21.0	44
58	A multi-responsive healable supercapacitor. <i>Nature Communications</i> , 2021, 12, 4297.	12.8	135
59	Boosting photoelectrochemical efficiency by near-infrared-active lattice-matched morphological heterojunctions. <i>Nature Communications</i> , 2021, 12, 4296.	12.8	23
60	Sustainable 3D Structural Binder for High-Performance Supercapacitor by Biosynthesis Process. <i>Advanced Functional Materials</i> , 2021, 31, 2105070.	14.9	32
61	A Highly Compressible and Stretchable Carbon Spring for Smart Vibration and Magnetism Sensors. <i>Advanced Materials</i> , 2021, 33, e2102724.	21.0	51
62	Biomimetic Lamellar Chitosan Scaffold for Soft Gingival Tissue Regeneration. <i>Advanced Functional Materials</i> , 2021, 31, 2105348.	14.9	28
63	On the occasion of the 80th birthday of Professor Yitai Qian: Celebrating 60 years of innovation in solid-state chemistry and nanoscience. <i>Nano Research</i> , 2021, 14, 3337-3342.	10.4	1
64	Biomimetic Nacrelike Membranes for Selective Ion Transport. <i>ACS Central Science</i> , 2021, 7, 1467-1469.	11.3	2
65	A Magneto-Heated Ferrimagnetic Sponge for Continuous Recovery of Viscous Crude Oil (<i>Adv. Mater.</i>)	21.0	1
66	Strong and tough graphene papers constructed with pyrene-containing small molecules via π - π /H-bonding synergistic interactions. <i>Science China Materials</i> , 2021, 64, 1206-1218.	6.3	5
67	Strengthening and Toughening Hierarchical Nanocellulose via Humidity-Mediated Interface. <i>ACS Nano</i> , 2021, 15, 1310-1320.	14.6	85
68	A Highly Compressible and Stretchable Carbon Spring for Smart Vibration and Magnetism Sensors (<i>Adv. Mater.</i> 39/2021). <i>Advanced Materials</i> , 2021, 33, 2170308.	21.0	0
69	Manipulating Nanowire Assemblies toward Multicolor Transparent Electrochromic Device. <i>Nano Letters</i> , 2021, 21, 9203-9209.	9.1	39
70	Plant Cellulose Nanofiber-Derived Structural Material with High-Density Reversible Interaction Networks for Plastic Substitute. <i>Nano Letters</i> , 2021, 21, 8999-9004.	9.1	32
71	Catalyzed Growth for Atomic-Precision Colloidal Chalcogenide Nanowires and Heterostructures: Progress and Perspective. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 10695-10705.	4.6	7
72	Formation of magnesium calcite mesocrystals in the inorganic environment only by using Ca^{2+} and Mg^{2+} and its biological implications. <i>Science China Materials</i> , 2021, 64, 999-1006.	6.3	6

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73	Non-Bonding Interaction of Neighboring Fe and Ni Single-Atom Pairs on MOF-Derived N-Doped Carbon for Enhanced CO ₂ Electroreduction. <i>Journal of the American Chemical Society</i> , 2021, 143, 19417-19424.	13.7	305
74	Self-Powered Flexible Electrochromic Smart Window. <i>Nano Letters</i> , 2021, 21, 9976-9982.	9.1	89
75	Bioinspired hierarchical helical nanocomposite macrofibers based on bacterial cellulose nanofibers. <i>National Science Review</i> , 2020, 7, 73-83.	9.5	60
76	Shape characterization and discrimination of single nanoparticles using solid-state nanopores. <i>Analyst</i> , 2020, 145, 1657-1666.	3.5	12
77	High-Curvature Transition-Metal Chalcogenide Nanostructures with a Pronounced Proximity Effect Enable Fast and Selective CO ₂ Electroreduction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8706-8712.	13.8	145
78	Ultrastable PtCo/Co ₃ O ₄ @SiO ₂ Nanocomposite with Active Lattice Oxygen for Superior Catalytic Activity toward CO Oxidation. <i>Inorganic Chemistry</i> , 2020, 59, 1218-1226.	4.0	30
79	Regulating the Coordination Environment of MOF-templated Single-Atom Nickel Electrocatalysts for Boosting CO ₂ Reduction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2705-2709.	13.8	404
80	Temperature-Invariant Superelastic and Fatigue Resistant Carbon Nanofiber Aerogels. <i>Advanced Materials</i> , 2020, 32, e1904331.	21.0	92
81	High-Curvature Transition-Metal Chalcogenide Nanostructures with a Pronounced Proximity Effect Enable Fast and Selective CO ₂ Electroreduction. <i>Angewandte Chemie</i> , 2020, 132, 8784-8790.	2.0	37
82	Ordering Nanostructures Enhances Electrocatalytic Reactions. <i>Trends in Chemistry</i> , 2020, 2, 888-897.	8.5	10
83	Single crystalline quaternary sulfide nanobelts for efficient solar-to-hydrogen conversion. <i>Nature Communications</i> , 2020, 11, 5194.	12.8	64
84	Embedding Ultrafine Metal Oxide Nanoparticles in Monolayered Metal-Organic Framework Nanosheets Enables Efficient Electrocatalytic Oxygen Evolution. <i>ACS Nano</i> , 2020, 14, 1971-1981.	14.6	109
85	Ultra-Strong, Ultra-Tough, Transparent, and Sustainable Nanocomposite Films for Plastic Substitute. <i>Matter</i> , 2020, 3, 1308-1317.	10.0	91
86	Single-Atom Electrocatalysts from Multivariate Metal-Organic Frameworks for Highly Selective Reduction of CO ₂ at Low Pressures. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20589-20595.	13.8	247
87	Metal-Organic Frameworks: Boosting Catalysis of Pd Nanoparticles in MOFs by Pore Wall Engineering: The Roles of Electron Transfer and Adsorption Energy (<i>Adv. Mater.</i> 30/2020). <i>Advanced Materials</i> , 2020, 32, 2070225.	21.0	24
88	Printable elastic silver nanowire-based conductor for washable electronic textiles. <i>Nano Research</i> , 2020, 13, 2879-2884.	10.4	27
89	Band Structure Engineering toward Low-Onset-Potential Photoelectrochemical Hydrogen Production. , 2020, 2, 1555-1560.		13
90	Bimetallic nickel-molybdenum/tungsten nanoalloys for high-efficiency hydrogen oxidation catalysis in alkaline electrolytes. <i>Nature Communications</i> , 2020, 11, 4789.	12.8	192

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91	Axially Segmented Semiconductor Heteronanowires. <i>Accounts of Materials Research</i> , 2020, 1, 126-136.	11.7	12
92	Unconventional dual-vacancies in nickel diselenide-graphene nanocomposite for high-efficiency oxygen evolution catalysis. <i>Nano Research</i> , 2020, 13, 3292-3298.	10.4	16
93	Sponge-templating synthesis of sandwich-like reduced graphene oxide nanoplates with confined gold nanoparticles and their enhanced stability for solar evaporation. <i>Science China Materials</i> , 2020, 63, 1957-1965.	6.3	20
94	An all-natural bioinspired structural material for plastic replacement. <i>Nature Communications</i> , 2020, 11, 5401.	12.8	155
95	Lightweight, tough, and sustainable cellulose nanofiber-derived bulk structural materials with low thermal expansion coefficient. <i>Science Advances</i> , 2020, 6, eaaz1114.	10.3	196
96	Unconventional chemical graphitization and functionalization of graphene oxide toward nanocomposites by degradation of ZnSe[DETA]0.5 hybrid nanobelts. <i>Science China Materials</i> , 2020, 63, 1878-1888.	6.3	1
97	Lotus-Inspired Evaporator with Janus Wettability and Bimodal Pores for Solar Steam Generation. <i>Cell Reports Physical Science</i> , 2020, 1, 100074.	5.6	43
98	Accelerating Chemo- and Regioselective Hydrogenation of Alkynes over Bimetallic Nanoparticles in a Metal-Organic Framework. <i>ACS Catalysis</i> , 2020, 10, 7753-7762.	11.2	80
99	Discontinuous fibrous Bouligand architecture enabling formidable fracture resistance with crack orientation insensitivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 15465-15472.	7.1	96
100	Electrochemical CO ₂ -to-CO conversion: electrocatalysts, electrolytes, and electrolyzers. <i>Journal of Materials Chemistry A</i> , 2020, 8, 15458-15478.	10.3	118
101	Nanocasting SiO ₂ into metal-organic frameworks imparts dual protection to high-loading Fe single-atom electrocatalysts. <i>Nature Communications</i> , 2020, 11, 2831.	12.8	321
102	Boosting Catalysis of Pd Nanoparticles in MOFs by Pore Wall Engineering: The Roles of Electron Transfer and Adsorption Energy. <i>Advanced Materials</i> , 2020, 32, e2000041.	21.0	151
103	Protecting Copper Oxidation State via Intermediate Confinement for Selective CO ₂ Electroreduction to C ₂₊ Fuels. <i>Journal of the American Chemical Society</i> , 2020, 142, 6400-6408.	13.7	396
104	Smart Cellulose-Based Electronic Skin with Humidity-Driven Dynamic Performance. <i>Trends in Chemistry</i> , 2020, 2, 87-89.	8.5	2
105	Origin of Batch Hydrothermal Fluid Behavior and Its Influence on Nanomaterial Synthesis. <i>Matter</i> , 2020, 2, 1270-1282.	10.0	31
106	Radial Nanowire Assemblies under Rotating Magnetic Field Enabled Efficient Charge Separation. <i>Nano Letters</i> , 2020, 20, 2763-2769.	9.1	16
107	Sustainable Wood-Based Hierarchical Solar Steam Generator: A Biomimetic Design with Reduced Vaporization Enthalpy of Water. <i>Nano Letters</i> , 2020, 20, 5699-5704.	9.1	162
108	Regulating silver nanowire size enables efficient photoelectric conversion. <i>Science China Chemistry</i> , 2020, 63, 1046-1052.	8.2	4

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109	Structure–property relationship of assembled nanowire materials. <i>Materials Chemistry Frontiers</i> , 2020, 4, 2881-2903.	5.9	24
110	Sandwich-Type Polyoxometalate Mediates Cobalt Diselenide for Hydrogen Evolution in Acidic Electrolyte. <i>ChemNanoMat</i> , 2020, 6, 1164-1168.	2.8	11
111	Highly disordered cobalt oxide nanostructure induced by sulfur incorporation for efficient overall water splitting. <i>Nano Energy</i> , 2020, 71, 104652.	16.0	105
112	Activating proper inflammation for wound-healing acceleration via mesoporous silica nanoparticle tissue adhesive. <i>Nano Research</i> , 2020, 13, 373-379.	10.4	27
113	Ferrimagnetic mPEG- <i>b</i> -PHEP copolymer micelles loaded with iron oxide nanocubes and emodin for enhanced magnetic hyperthermia–chemotherapy. <i>National Science Review</i> , 2020, 7, 723-736.	9.5	59
114	Regioselective magnetization in semiconducting nanorods. <i>Nature Nanotechnology</i> , 2020, 15, 192-197.	31.5	51
115	Biomimetic Difunctional Carbon-Nanotube-Based Aerogels for Efficient Steam Generation. <i>ACS Applied Nano Materials</i> , 2020, 3, 4690-4698.	5.0	38
116	Tumor microenvironment-activatable Fe-doxorubicin preloaded amorphous CaCO ₃ nanoformulation triggers ferroptosis in target tumor cells. <i>Science Advances</i> , 2020, 6, eaax1346.	10.3	200
117	Real-Time Visualization of Solid-Phase Ion Migration Kinetics on Nanowire Monolayer. <i>Journal of the American Chemical Society</i> , 2020, 142, 7968-7975.	13.7	10
118	A superspreading layering process enabled high performance layered nanocomposites. <i>Science China Chemistry</i> , 2020, 63, 873-874.	8.2	3
119	In situ assembly of magnetic nanocrystals/graphene oxide nanosheets on tumor cells enables efficient cancer therapy. <i>Nano Research</i> , 2020, 13, 1133-1140.	10.4	12
120	Anti-photocorrosive photoanode with RGO/PdS as hole extraction layer. <i>Science China Materials</i> , 2020, 63, 1939-1947.	6.3	8
121	A General and Programmable Synthesis of Graphene-Based Composite Aerogels by a Melamine-Sponge-Templated Hydrothermal Process. <i>CCS Chemistry</i> , 2020, 2, 1-12.	7.8	17
122	Preface to the Interfacial Science Developments at the Chinese Academy of Sciences Virtual Special Issue. <i>Langmuir</i> , 2020, 36, 12087-12087.	3.5	0
123	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
124	Scaled-Up Synthesis of Amorphous NiFeMo Oxides and Their Rapid Surface Reconstruction for Superior Oxygen Evolution Catalysis. <i>Angewandte Chemie</i> , 2019, 131, 15919-15924.	2.0	62
125	Superior Biomimetic Nacreous Bulk Nanocomposites by a Multiscale Soft-Rigid Dual-Network Interfacial Design Strategy. <i>Matter</i> , 2019, 1, 412-427.	10.0	81
126	Multifunctional Bilayer Nanocomposite Guided Bone Regeneration Membrane. <i>Matter</i> , 2019, 1, 770-781.	10.0	58

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127	Bioinspired Synthesis of Hematite Mesocrystals by Using Xonotlite Nanowires as Growth Modifiers and Their Improved Oxygen Evolution Activity. <i>ChemSusChem</i> , 2019, 12, 3747-3752.	6.8	6
128	Bioinspired Unidirectional Silk Fibroin-Silver Compound Nanowire Composite Scaffold via Interface-Mediated In Situ Synthesis. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14152-14156.	13.8	19
129	Bioinspired Unidirectional Silk Fibroin-Silver Compound Nanowire Composite Scaffold via Interface-Mediated In Situ Synthesis. <i>Angewandte Chemie</i> , 2019, 131, 14290-14294.	2.0	7
130	Synthesis of ultrathin Bi ₂ Se ₃ nanosheets/graphene nanocomposite with defects/vacancies-dependent transient photocurrent performance. <i>Nano Energy</i> , 2019, 64, 103877.	16.0	21
131	Dopant-tuned stabilization of intermediates promotes electrosynthesis of valuable C ₃ products. <i>Nature Communications</i> , 2019, 10, 4807.	12.8	26
132	Nanowire Genome: A Magic Toolbox for 1D Nanostructures. <i>Advanced Materials</i> , 2019, 31, e1902807.	21.0	44
133	¼ctitelbild: Bioinspired Unidirectional Silk Fibroin-Silver Compound Nanowire Composite Scaffold via Interface-Mediated In Situ Synthesis (<i>Angew. Chem.</i> 40/2019). <i>Angewandte Chemie</i> , 2019, 131, 14528-14528.	2.0	2
134	Turning on Visible-Light Photocatalytic C-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
135	A Nacre-Inspired Separator Coating for Impact-Tolerant Lithium Batteries. <i>Advanced Materials</i> , 2019, 31, e1905711.	21.0	71
136	Janus Mesosstructures for Simultaneous Multivariable Gases Sensors. <i>Matter</i> , 2019, 1, 1110-1111.	10.0	1
137	Recycling Valuable Elements from the Chemical Synthesis Process of Nanomaterials: A Sustainable View. , 2019, 1, 541-548.		16
138	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
139	Diatomite derived hierarchical hybrid anode for high performance all-solid-state lithium metal batteries. <i>Nature Communications</i> , 2019, 10, 2482.	12.8	96
140	Biomimetic Carbon Tube Aerogel Enables Super-Elasticity and Thermal Insulation. <i>Chem</i> , 2019, 5, 1871-1882.	11.7	136
141	Ordered Nanostructure Enhances Electrocatalytic Performance by Directional Micro-Electric Field. <i>Journal of the American Chemical Society</i> , 2019, 141, 10729-10735.	13.7	38
142	Hard Carbon Aerogels: Superelastic Hard Carbon Nanofiber Aerogels (<i>Adv. Mater.</i> 23/2019). <i>Advanced Materials</i> , 2019, 31, 1970168.	21.0	5
143	Sustainable Separators for High-Performance Lithium Ion Batteries Enabled by Chemical Modifications. <i>Advanced Functional Materials</i> , 2019, 29, 1902023.	14.9	50
144	Switching Co/N/C Catalysts for Heterogeneous Catalysis and Electrocatalysis by Controllable Pyrolysis of Cobalt Porphyrin. <i>IScience</i> , 2019, 15, 282-290.	4.1	20

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145	Anisotropic and self-healing hydrogels with multi-responsive actuating capability. <i>Nature Communications</i> , 2019, 10, 2202.	12.8	238
146	“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
147	Mass-production of flexible and transparent Te-Au nylon SERS substrate with excellent mechanical stability. <i>Nano Research</i> , 2019, 12, 1483-1488.	10.4	8
148	MoS ₂ nanoplates assembled on electrospun polyacrylonitrile-metal organic framework-derived carbon fibers for lithium storage. <i>Nano Energy</i> , 2019, 61, 104-110.	16.0	83
149	A Highly Stretchable and Real-Time Healable Supercapacitor. <i>Advanced Materials</i> , 2019, 31, e1900573.	21.0	214
150	Superelastic Hard Carbon Nanofiber Aerogels. <i>Advanced Materials</i> , 2019, 31, e1900651.	21.0	147
151	In Situ Seed-Mediated High-Yield Synthesis of Copper Nanowires on Large Scale. <i>Langmuir</i> , 2019, 35, 4364-4369.	3.5	13
152	Recent Advances on Controlled Synthesis and Engineering of Hollow Alloyed Nanotubes for Electrocatalysis. <i>Advanced Materials</i> , 2019, 31, e1803503.	21.0	81
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