Shaoming Huang

List of Publications by Year
in descending order

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365 papers	21,793 citations	10389 72 h-index	12272 133 g-index
372 all docs	372 docs citations	372 times ranked	22465 citing authors

#	Article	IF	Citations
1	Bimetallic AgNi nanoparticles anchored onto MOF-derived nitrogen-doped carbon nanostrips for efficient hydrogen evolution. Green Energy and Environment, 2023, 8, 258-266.	8.7	17
2	Extremely sensitive mechanochromic photonic crystals with broad tuning range of photonic bandgap and fast responsive speed for high-resolution multicolor display applications. Chemical Engineering Journal, 2022, 429, 132342.	12.7	58
3	Hierarchical N-doped CNTs grafted onto MOF-derived porous carbon nanomaterials for efficient oxygen reduction. Journal of Colloid and Interface Science, 2022, 606, 1833-1841.	9.4	30
4	Tuning the electronic structures of cobalt-molybdenum bimetallic carbides to boost the hydrogen oxidation reaction in alkaline medium. Chemical Engineering Journal, 2022, 428, 131206.	12.7	30
5	Boron nitride nanosheets for surface-enhanced Raman spectroscopy. Materials Today Physics, 2022, 22, 100575.	6.0	6
6	Tuning anion chemistry enables high-voltage and stable potassium-based tellurium-graphite batteries. Nano Energy, 2022, 92, 106744.	16.0	15
7	Highly graphitized N-doped carbon nanosheets from 2-dimensional coordination polymers for efficient metal-air batteries. Carbon, 2022, 188, 135-145.	10.3	25
8	Dual-Type Carbon Confinement Strategy: Improving the Stability of CoTe₂ Nanocrystals for Sodium-Ion Batteries with a Long Lifespan. ACS Applied Materials & Interfaces, 2022, 14, 6801-6809.	8.0	21
9	2D Ultrathin pâ€type ZnTe with High Environmental Stability. Advanced Electronic Materials, 2022, 8, .	5.1	9
10	Nanodotâ€inâ€Nanofiber Structured Carbonâ€Confined Sb₂Se₃ Crystallites for Fast and Durable Sodium Storage. Advanced Functional Materials, 2022, 32, .	14.9	32
11	Metalâ€“organic frameworks with mixed-anion secondary building units as efficient photocatalysts for hydrogen generation. Journal of Catalysis, 2022, 407, 10-18.	6.2	5
12	Redistribution of electronic density in channels of metalâ€“Organic frameworks for high-performance quasi-solid lithium metal batteries. Energy Storage Materials, 2022, 47, 271-278.	18.0	16
13	Constructing hierarchical ZnIn2S4/g-C3N4 S-scheme heterojunction for boosted CO2 photoreduction performance. Chemical Engineering Journal, 2022, 437, 135153.	12.7	102
14	Phthalocyanine-induced iron active species in metalâ€“organic framework-derived porous carbon for efficient alkaline zincâ€“air batteries. Inorganic Chemistry Frontiers, 2022, 9, 2557-2567.	6.0	11
15	Photo-Luminescent Photonic Crystals for Anti-Counterfeiting. ACS Omega, 2022, 7, 7320-7326.	3.5	15
16	MOF-derived three-dimensional ordered porous carbon nanomaterial for efficient alkaline zinc-air batteries. Science China Materials, 2022, 65, 1453-1462.	6.3	24
17	Chameleon-Inspired Brilliant and Sensitive Mechano-Chromic Photonic Skins for Self-Reporting the Strains of Earthworms. ACS Applied Materials & Interfaces, 2022, 14, 11672-11680.	8.0	38
18	Mechanoâ€Chromic Photonic Crystals with Substrateâ€Independent Brilliant Colors for Visual Sensing and Antiâ€Counterfeiting Applications. Advanced Materials Interfaces, 2022, 9, .	3.7	15

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19	Copolymerization of Sulfur Chains with Vinyl Functionalized Metalâ^'Organic Framework for Accelerating Redox Kinetics in Lithiumâ^'Sulfur Batteries. Advanced Energy Materials, 2022, 12, .	19.5	33
20	A regulatable gap-electrical DNA sensor based on gold nanorods and single-walled carbon nanotubes. Microchemical Journal, 2022, 179, 107415.	4.5	2
21	Photonic Crystals with Tunable Lattice Structures Based on Anisotropic Metalâ€"Organic Framework Particles and Their Application in Anticounterfeiting. Advanced Photonics Research, 2022, 3, .	3.6	10
22	Filling Octahedral Interstices by Building Geometrical Defects to Construct Active Sites for Boosting the Oxygen Evolution Reaction on NiFe₂O₄. Advanced Functional Materials, 2022, 32, .	14.9	27
23	Variable HOF-derived carbon-coated cobalt phosphide for electrocatalytic oxygen evolution. Carbon, 2022, 196, 457-465.	10.3	11
24	A liquid cathode/anode based solid-state lithium-sulfur battery. Electrochimica Acta, 2022, 421, 140456.	5.2	3
25	Three-dimensional porous boron nitride with enriched defects and free radicals enables high photocatalytic activity for hydrogen evolution. Chemical Engineering Journal, 2022, 446, 137026.	12.7	15
26	Morphologically Controlled Metalâ€"Organic Framework-Derived FeNi Oxides for Efficient Water Oxidation. Inorganic Chemistry, 2022, 61, 8909-8919.	4.0	17
27	Copolymerization of Sulfur Chains with Vinyl Functionalized Metalâ^'Organic Framework for Accelerating Redox Kinetics in Lithiumâ^'Sulfur Batteries (Adv. Energy Mater. 21/2022). Advanced Energy Materials, 2022, 12, .	19.5	0
28	Solvent-free synthesis of highly porous boron carbon nitride for effective water cleaning. Ceramics International, 2022, 48, 27658-27663.	4.8	6
29	Liquid, Transparent, and Antideformable Thermochromic Photonic Crystals for Displays. Advanced Optical Materials, 2022, 10, .	7.3	28
30	Amorphous Telluriumâ€Embedded Hierarchical Porous Carbon Nanofibers as Highâ€Rate and Longâ€Life Electrodes for Potassiumâ€Ion Batteries. Small, 2022, 18, .	10.0	10
31	An ultralight electroconductive metal-organic framework membrane for multistep catalytic conversion and molecular sieving in lithium-sulfur batteries. Energy Storage Materials, 2022, 51, 882-889.	18.0	22
32	Bimetallic carbides of Ni6W6C as efficient non-precious metal electrocatalysts for hydrogen oxidation reaction in alkaline medium. Materials Letters, 2022, 324, 132749.	2.6	4
33	Interface engineering in transition metal-based heterostructures for oxygen electrocatalysis. Materials Chemistry Frontiers, 2021, 5, 1033-1059.	5.9	64
34	Ultrasmall Mo2C in N-doped carbon material from bimetallic ZnMo-MOF for efficient hydrogen evolution. International Journal of Hydrogen Energy, 2021, 46, 2182-2190.	7.1	15
35	Confining Sulfur in Nâ€Doped Hollow Porous Carbon Spheres for Improved Lithiumâ€Sulfur Batteries. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 629-634.	1.2	5
36	Design of thiolâ€"lithium ion interaction in metalâ€"organic framework for high-performance quasi-solid lithium metal batteries. Dalton Transactions, 2021, 50, 2928-2935.	3.3	10

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37	Hydrogen-substituted graphdiyne/graphene as an sp/sp² hybridized carbon interlayer for lithiumâ€“sulfur batteries. Nanoscale, 2021, 13, 3817-3826.	5.6	27
38	A new coding-decoding system through combining near-infrared photonic crystals and their spatial reflection spectra. Journal of Materials Chemistry C, 2021, 9, 4466-4473.	5.5	20
39	Silicaâ€Templated Metal Organic Frameworkâ€Derived Hierarchically Porous Cobalt Oxide in Nitrogenâ€Doped Carbon Nanomaterials for Electrochemical Glucose Sensing. ChemElectroChem, 2021, 8, 812-818.	3.4	20
40	Self-assembly of colloidal particles into amorphous photonic crystals. Materials Advances, 2021, 2, 6499-6518.	5.4	43
41	Rapid Fabrication of Alcohol Responsive Photonic Prints with Changeable Color Contrasts for Antiâ€Counterfeiting Application. Advanced Materials Interfaces, 2021, 8, 2001905.	3.7	24
42	Multiple-Dimensionally Controllable Nucleation Sites of Two-Dimensional WS₂/Bi₂Se₃ Heterojunctions Based on Vapor Growth. ACS Applied Materials & Interfaces, 2021, 13, 15518-15524.	8.0	7
43	Recent advances and perspective on the synthesis and photocatalytic application of metal halide perovskite nanocrystals. Nano Research, 2021, 14, 3773-3794.	10.4	27
44	Ordered structure of interlayer constructed with metal-organic frameworks improves the performance of lithium-sulfur batteries. Nano Research, 2021, 14, 4556-4562.	10.4	31
45	Abundant Co-Nx sites onto hollow MOF-Derived nitrogen-doped carbon materials for enhanced oxygen reduction. Journal of Power Sources, 2021, 492, 229632.	7.8	34
46	Fe7C3 nanoparticles with in situ grown CNT on nitrogen doped hollow carbon cube with greatly enhanced conductivity and ORR performance for alkaline fuel cell. Carbon, 2021, 174, 531-539.	10.3	100
47	Sulfurâ€Induced Growth of Coordination Polymer Derivedâ€Straight Carbon Nanotubes on Carbon Nanofiber Network for Znâ€Air Batteries. Chemistry - A European Journal, 2021, 27, 7704-7711.	3.3	8
48	Simple and efficient fabrication of multi-stage color-changeable photonic prints as anti-counterfeit labels. Journal of Colloid and Interface Science, 2021, 590, 134-143.	9.4	43
49	Chitosan hydrogel derived carbon foam with typical transition-metal catalysts for efficient water splitting. Carbon, 2021, 177, 160-170.	10.3	23
50	Cross-Linked Chains of Metalâ€“Organic Framework Afford Continuous Ion Transport in Solid Batteries. ACS Energy Letters, 2021, 6, 2434-2441.	17.4	67
51	Recent Advances in Electrocatalysts for Alkaline Hydrogen Oxidation Reaction. Small, 2021, 17, e2100391.	10.0	56
52	Dualâ€Modal Invisible Photonic Crystal Prints from Photo/Water Responsive Photonic Crystals. Advanced Photonics Research, 2021, 2, 2000197.	3.6	11
53	CoMo carbide/nitride from bimetallic MOF precursors for enhanced OER performance. International Journal of Hydrogen Energy, 2021, 46, 22268-22276.	7.1	78
54	Noniridescent structural color from enhanced electromagnetic resonances of particle aggregations and its applications for reconfigurable patterns. Journal of Colloid and Interface Science, 2021, 604, 178-187.	9.4	15

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55	Electrochemical evolution of cobalt-carboxylate framework for efficient water oxidation. Journal of Power Sources, 2021, 499, 229947.	7.8	15
56	Constructing Active Sites from Atomicâ€Scale Geometrical Engineering in Spinel Oxide Solid Solutions for Efficient and Robust Oxygen Evolution Reaction Electrocatalysts. Advanced Science, 2021, 8, e2101653.	11.2	31
57	Rational Design of Embedded CoTe₂ Nanoparticles in Freestanding N-Doped Multichannel Carbon Fibers for Sodium-Ion Batteries with Ultralong Cycle Lifespan. ACS Applied Materials & Interfaces, 2021, 13, 34134-34144.	8.0	33
58	Ultrafine ZnSe Encapsulated in Nitrogen-Doped Porous Carbon Nanofibers for Superior Na-Ion Batteries with a Long Lifespan and Low-Temperature Performance. ACS Sustainable Chemistry and Engineering, 2021, 9, 11705-11713.	6.7	31
59	Doping engineering on carbons as electrocatalysts for oxygen reduction reaction. Fundamental Research, 2021, 1, 807-823.	3.3	19
60	Metalâ€“Organic Framework Derived Ultrafine Sb@Porous Carbon Octahedron via In Situ Substitution for High-Performance Sodium-Ion Batteries. ACS Nano, 2021, 15, 15104-15113.	14.6	79
61	Artificial sodium-selective ionic device based on crown-ether crystals with subnanometer pores. Nature Communications, 2021, 12, 5231.	12.8	46
62	Single Cobalt Atoms Decorated Nâ€doped Carbon Polyhedron Enabled Dendriteâ€Free Sodium Metal Anode. Small Methods, 2021, 5, e2100833.	8.6	25
63	Nano germanium incorporated thin graphite nanoplatelets: A novel germanium based lithium-ion battery anode with enhanced electrochemical performance. Electrochimica Acta, 2021, 391, 139001.	5.2	9
64	Visualizing Van der Waals Epitaxial Growth of 2D Heterostructures. Advanced Materials, 2021, 33, e2105079.	21.0	24
65	Refractiveâ€Indexâ€Matchingâ€Based Encryption of Photonic Crystal Prints with Multistage and Reconfigurable Information. Advanced Materials Interfaces, 2021, 8, 2100789.	3.7	12
66	Constructing a hierarchical Sb@C nanoarchitectures as free-standing anode for high-performance lithium-ion batteries. Materials Letters, 2021, 303, 130563.	2.6	5
67	Rational construction of ultrafine noble metals onto carbon nanoribbons with efficient oxygen reduction in practical alkaline fuel cell. Chemical Engineering Journal, 2021, 424, 130336.	12.7	29
68	Unraveling the role of ion-solvent chemistry in stabilizing small-molecule organic cathode for potassium-ion batteries. Energy Storage Materials, 2021, 43, 172-181.	18.0	18
69	Dual active sites fabricated through atomic layer deposition of TiO₂ on MoS₂ nanosheet arrays for highly efficient electroreduction of CO₂ to ethanol. Journal of Materials Chemistry A, 2021, 9, 6790-6796.	10.3	22
70	Tuning the current rectification behavior of Rh₂-based molecular junctions by varying their supramolecular structures. Nanoscale, 2021, 13, 19200-19209.	5.6	1
71	Constructing Heterogeneous Structure in Metalâ€“Organic Framework-Derived Hierarchical Sulfur Hosts for Capturing Polysulfides and Promoting Conversion Kinetics. ACS Nano, 2021, 15, 18363-18373.	14.6	35
72	Refractiveâ€Indexâ€Matchingâ€Based Encryption of Photonic Crystal Prints with Multistage and Reconfigurable Information (Adv. Mater. Interfaces 20/2021). Advanced Materials Interfaces, 2021, 8, 2170112.	3.7	0

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73	Differentiated Oxygen Evolution Behavior in MOF-Derived Oxide Nanomaterials Induced by Phase Transition. ACS Applied Materials & Interfaces, 2021, 13, 55454-55462.	8.0	16
74	Regulating Coordination Environment in Metalâ€“Organic Frameworks for Adsorption and Redox Conversion of Polysulfides in Lithiumâ€“Sulfur Batteries. , 2021, 3, 1684-1694.		25
75	Metal Chalcogenides: Paving the Way for Highâ€Performance Sodium/Potassiumâ€Ion Batteries. Small Methods, 2020, 4, 1900563.	8.6	140
76	Superior wide-temperature lithium storage in a porous cobalt vanadate. Nano Research, 2020, 13, 1867-1874.	10.4	23
77	Applying AuNPs/SWCNT to fabricate electrical nanogap device for DNA hybridization detection. Carbon, 2020, 157, 40-46.	10.3	13
78	Approaching Reactive KFePO₄ Phase for Potassium Storage by Adopting an Advanced Design Strategy. Batteries and Supercaps, 2020, 3, 450-455.	4.7	25
79	Metal Chalcogenides: Metal Chalcogenides: Paving the Way for Highâ€Performance Sodium/Potassiumâ€Ion Batteries (Small Methods 1/2020). Small Methods, 2020, 4, 2070002.	8.6	1
80	Rapid synthesis of hollow PtPdCu trimetallic octahedrons at room temperature for oxygen reduction reactions in acid media. CrystEngComm, 2020, 22, 1586-1592.	2.6	12
81	A novel strategy to design a multilayer functionalized Cu₂S thin film counter electrode with enhanced catalytic activity and stability for quantum dot sensitized solar cells. Nanoscale Advances, 2020, 2, 833-843.	4.6	6
82	Overall water splitting on Ni0.19WO4 nanowires as highly efficient and durable bifunctional non-precious metal electrocatalysts. Electrochimica Acta, 2020, 333, 135554.	5.2	13
83	Cube-shaped metal-nitrogenâ€“carbon derived from metal-ammonia complex-impregnated metal-organic framework for highly efficient oxygen reduction reaction. Carbon, 2020, 158, 719-727.	10.3	27
84	General approach to MOF-derived core-shell bimetallic oxide nanowires for fast response to glucose oxidation. Sensors and Actuators B: Chemical, 2020, 306, 127551.	7.8	64
85	Pressure-induced monolithic carbon aerogel from metal-organic framework. Energy Storage Materials, 2020, 28, 393-400.	18.0	27
86	Methylation-Induced Reversible Metallic-Semiconducting Transition of Single-Walled Carbon Nanotube Arrays for High-Performance Field-Effect Transistors. Nano Letters, 2020, 20, 496-501.	9.1	10
87	Surfactantâ€Mediated Morphological Evolution of MnCo Prussian Blue Structures. Small, 2020, 16, e2004614.	10.0	49
88	Thermal conversion of hollow nickel-organic framework into bimetallic FeNi3 alloy embedded in carbon materials as efficient oer electrocatalyst. Electrochimica Acta, 2020, 354, 136716.	5.2	31
89	Thiocyanate-capped CdSe@Zn1-XCdXS gradient alloyed quantum dots for efficient photocatalytic hydrogen evolution. Chemical Engineering Journal, 2020, 402, 126178.	12.7	29
90	Metalâ€“Organic Frameworks: Molecularâ€Scale Interface Engineering of Metalâ€“Organic Frameworks toward Ion Transport Enables Highâ€Performance Solid Lithium Metal Battery (Adv. Funct. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	14.9	1

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91	A review of recent work on using metalâ€“organic frameworks to grow carbon nanotubes. Chemical Communications, 2020, 56, 10809-10823.	4.1	135
92	Laser-induced phenylation reaction to prepare semiconducting single-walled carbon nanotube arrays. Chemical Communications, 2020, 56, 14259-14262.	4.1	4
93	Molecularâ€Scale Interface Engineering of Metalâ€“Organic Frameworks toward Ion Transport Enables Highâ€Performance Solid Lithium Metal Battery. Advanced Functional Materials, 2020, 30, 2003945.	14.9	36
94	A Selfâ€Healing Amalgam Interface in Metal Batteries. Advanced Materials, 2020, 32, e2004798.	21.0	34
95	Highly Efficient Detection of Homologues and Isomers by the Dynamic Swelling Reflection Spectrum. ACS Applied Materials & Interfaces, 2020, 12, 45174-45183.	8.0	45
96	Highly efficient zinc finger peptide detection with ZIF-8-modified micropipets. Chemical Communications, 2020, 56, 10855-10858.	4.1	7
97	The Optimized Interfacial Compatibility of Metalâ€“Organic Frameworks Enables a High-Performance Quasi-Solid Metal Battery. ACS Energy Letters, 2020, 5, 2919-2926.	17.4	51
98	Highly efficient utilization of light and charge separation over a hematite photoanode achieved through a noncontact photonic crystal film for photoelectrochemical water splitting. Physical Chemistry Chemical Physics, 2020, 22, 20202-20211.	2.8	14
99	Atomically Dispersed CoN₄/B, N-C Nanotubes Boost Oxygen Reduction in Rechargeable Znâ€“Air Batteries. ACS Applied Energy Materials, 2020, 3, 4539-4548.	5.1	53
100	High-Fidelity Transfer of Chemical Vapor Deposition Grown 2D Transition Metal Dichalcogenides via Substrate Decoupling and Polymer/Small Molecule Composite. ACS Nano, 2020, 14, 7370-7379.	14.6	22
101	Dual-Regulation Strategy to Improve Anchoring and Conversion of Polysulfides in Lithiumâ€“Sulfur Batteries. ACS Nano, 2020, 14, 7538-7551.	14.6	80
102	Li₇La₃Zr₂O₁₂ Ceramic Nanofiber-Incorporated Solid Polymer Electrolytes for Flexible Lithium Batteries. ACS Applied Energy Materials, 2020, 3, 5238-5246.	5.1	36
103	Abundant nanotube coated ordered macroporous carbon matrix with enhanced electrocatalytic activity. Journal of Power Sources, 2020, 467, 228302.	7.8	15
104	Heteroatom Doping of Molybdenum Carbide Boosts pH-Universal Hydrogen Evolution Reaction. ACS Sustainable Chemistry and Engineering, 2020, 8, 10284-10291.	6.7	22
105	Normal-pulse-voltage-assisted in situ fabrication of graphene-wrapped MOF-derived CuO nanoflowers for water oxidation. Chemical Communications, 2020, 56, 8750-8753.	4.1	24
106	A High-Capacity Ammonium Vanadate Cathode for Zinc-Ion Battery. Nano-Micro Letters, 2020, 12, 67.	27.0	85
107	Bottom-up preparation of hierarchically porous MOF-modified carbon sphere derivatives for efficient oxygen reduction. Nanoscale, 2020, 12, 8785-8792.	5.6	30
108	A Longâ€Cycling Aqueous Zincâ€Ion Pouch Cell: NASICONâ€Type Material and Surface Modification. Chemistry - an Asian Journal, 2020, 15, 1430-1435.	3.3	21

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109	Multiscale optimization of Li-ion diffusion in solid lithium metal batteries via ion conductive metalâ€“organic frameworks. Nanoscale, 2020, 12, 6976-6982.	5.6	28
110	Biomimetic Molecule Catalysts to Promote the Conversion of Polysulfides for Advanced Lithiumâ€“Sulfur Batteries. Advanced Functional Materials, 2020, 30, 2003354.	14.9	53
111	Universal Precise Growth of 2D Transition-Metal Dichalcogenides in Vertical Direction. ACS Applied Materials & Interfaces, 2020, 12, 35337-35344.	8.0	16
112	Hybrid Cathodes Composed of K3V2(PO4)3 and Carbon Materials with Boosted Charge Transfer for K-Ion Batteries. Surfaces, 2020, 3, 1-10.	2.3	9
113	Screwdriver-like Pd-Ag heterostructures formed via selective deposition of Ag on Pd nanowires as efficient photocatalysts for solvent-free aerobic oxidation of toluene. Nano Research, 2020, 13, 646-652.	10.4	12
114	Two Birds with One Stone: Manipulating Colloids Assembled into Amorphous and Ordered Photonic Crystals and Their Combinations for Codingâ€“Decoding. Journal of Physical Chemistry C, 2020, 124, 6328-6336.	3.1	25
115	Hydrogen evolution reaction in full pH range on nickel doped tungsten carbide nanocubes as efficient and durable non-precious metal electrocatalysts. International Journal of Hydrogen Energy, 2020, 45, 8695-8702.	7.1	36
116	Structural and Morphological Conversion between Two Co-Based MOFs for Enhanced Water Oxidation. Inorganic Chemistry, 2020, 59, 2701-2710.	4.0	33
117	Simple and Ultrafast Fabrication of Invisible Photonic Prints with Reconfigurable Patterns. Advanced Optical Materials, 2020, 8, 1901541.	7.3	48
118	Stringing Bimetallic Metalâ€“Organic Frameworkâ€Derived Cobalt Phosphide Composite for Highâ€Efficiency Overall Water Splitting. Advanced Science, 2020, 7, 1903195.	11.2	214
119	Highly Efficient Fabricating Amorphous Photonic Crystals Using Less Polar Solvents and the Wettabilityâ€Based Information Storage and Recognition. Particle and Particle Systems Characterization, 2020, 37, 2000043.	2.3	16
120	B, N-doped ultrathin carbon nanosheet superstructure for high-performance oxygen reduction reaction in rechargeable zinc-air battery. Carbon, 2020, 164, 398-406.	10.3	96
121	Two-Dimensional Van der Waals Heterostructures for Synergistically Improved Surface-Enhanced Raman Spectroscopy. ACS Applied Materials & Interfaces, 2020, 12, 21985-21991.	8.0	17
122	In-MOF-derived ultrathin heteroatom-doped carbon nanosheets for improving oxygen reduction. Nanoscale, 2020, 12, 10019-10025.	5.6	29
123	Electron Transport Properties of WS2 Field-Effect Transistors Modulated by Electron Beam Irradiation Under Gate Voltage. IEEE Electron Device Letters, 2019, 40, 1542-1545.	3.9	3
124	Construction of hierarchical Mo2C nanoparticles onto hollow N-doped carbon polyhedrons for efficient hydrogen evolution reaction. Electrochimica Acta, 2019, 321, 134680.	5.2	33
125	Generally transform 3-dimensional In-based metal-organic frameworks into 2-dimensional Co,N-doped carbon nanosheets for Zn-air battery. Journal of Power Sources, 2019, 440, 227158.	7.8	33
126	Carbon-nanoparticle-assisted growth of high quality bilayer WS2 by atmospheric pressure chemical vapor deposition. Nano Research, 2019, 12, 2802-2807.	10.4	15

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127	Amorphous MoS2 confined in nitrogen-doped porous carbon for improved electrocatalytic stability toward hydrogen evolution reaction. Nano Research, 2019, 12, 3116-3122.	10.4	22
128	Invisible photonic prints shown by UV illumination: combining photoluminescent and noniridescent structural colors. Journal of Materials Chemistry C, 2019, 7, 11776-11782.	5.5	28
129	Controlled fractal growth of transition metal dichalcogenides. Nanoscale, 2019, 11, 17065-17072.	5.6	15
130	Ceria/cobalt borate hybrids as efficient electrocatalysts for water oxidation under neutral conditions. Nanoscale Advances, 2019, 1, 3686-3692.	4.6	10
131	Advanced cathodes for potassium-ion battery. Current Opinion in Electrochemistry, 2019, 18, 24-30.	4.8	40
132	Cation sensing by luminescent high-nuclearity Znâ€“Eu Schiff base nanoscale complexes: high sensitivity to Ag⁺ and Cd²⁺ ions at the ppm level. Dalton Transactions, 2019, 48, 2206-2212.	3.3	27
133	Na₃V₂(PO₄)₃: an advanced cathode for sodium-ion batteries. Nanoscale, 2019, 11, 2556-2576.	5.6	227
134	Oxyvanite V₃O₅: A new intercalationâ€type anode for lithiumâ€ion battery. InformaÄnÃ-MateriÃ¡ly, 2019, 1, 251-259.	17.3	117
135	Hand Painting of Noniridescent Structural Multicolor through the Self-Assembly of YOHCO₃ Colloids and Its Application for Anti-Counterfeiting. Langmuir, 2019, 35, 8428-8435.	3.5	37
136	Designing Pd/O co-doped MoS_x for boosting the hydrogen evolution reaction. Journal of Materials Chemistry A, 2019, 7, 15599-15606.	10.3	22
137	Chemical and morphological transformation of MOF-derived bimetallic phosphide for efficient oxygen evolution. Nano Energy, 2019, 62, 745-753.	16.0	189
138	Influence of Transmembrane Ionic Current Based on PNIPAM-Modified Nanochannels. Journal of Physical Chemistry C, 2019, 123, 12500-12504.	3.1	6
139	High-performance supercapacitors based on reduced graphene oxide -wrapped carbon nanoflower with efficient transport pathway of electrons and electrolyte ions. Electrochimica Acta, 2019, 306, 549-557.	5.2	14
140	Persistent zinc-ion storage in mass-produced V2O5 architectures. Nano Energy, 2019, 60, 171-178.	16.0	149
141	Ag and N-doped graphene quantum dots co-modified CuBi2O4 submicron rod photocathodes with enhanced photoelectrochemical activity. Applied Surface Science, 2019, 481, 661-668.	6.1	35
142	In situ growth of ZIF-8 into solid-state nanochannels. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 570, 260-264.	4.7	6
143	Anion Dependent Self-Assembly of Polynuclear Cd-Ln Schiff Base Nanoclusters: NIR Luminescent Sensing of Nitro Explosives. Frontiers in Chemistry, 2019, 7, 139.	3.6	3
144	Co3O4-anchored MWCNTs network derived from metal-organic frameworks as efficient OER electrocatalysts. Materials Letters, 2019, 248, 181-184.	2.6	19

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145	A novel strategy for the synthesis of hollow Ptâ€“Cu tetradecahedrons as an efficient electrocatalyst toward methanol oxidation. CrystEngComm, 2019, 21, 1903-1909.	2.6	26
146	Bottom-up synthesis of MOF-derived hollow N-doped carbon materials for enhanced ORR performance. Carbon, 2019, 146, 248-256.	10.3	177
147	Three-Dimensional Functionalized Boron Nitride Nanosheets/ZnO Superstructures for CO₂ Capture. ACS Applied Materials & Interfaces, 2019, 11, 10276-10282.	8.0	37
148	Amorphous Photonic Structures with Brilliant and Noniridescent Colors via Polymer-Assisted Colloidal Assembly. ACS Omega, 2019, 4, 18771-18779.	3.5	31
149	Bi nanoparticles/Bi2O3 nanosheets with abundant grain boundaries for efficient electrocatalytic CO2 reduction. Electrochimica Acta, 2019, 298, 580-586.	5.2	98
150	Reversible electron doping in monolayer WS ₂ via a chemical strategy. 2D Materials, 2019, 6, 025003.	4.4	4
151	Monolayer-ReS2 field effect transistor using monolayer-graphene as electrodes. Physica B: Condensed Matter, 2019, 554, 35-39.	2.7	6
152	Synthesis of a MoS_xâ€“Oâ€“PtO_x Electrocatalyst with High Hydrogen Evolution Activity Using a Sacrificial Counterâ€Electrode. Advanced Science, 2019, 6, 1801663.	11.2	21
153	Facile Synthesis of Monodispersed SiO₂@Fe₃O₄ Coreâ€“Shell Colloids for Printing and Three-Dimensional Coating with Noniridescent Structural Colors. ACS Omega, 2019, 4, 528-534.	3.5	30
154	MOF derived N-doped carbon coated CoP particle/carbon nanotube composite for efficient oxygen evolution reaction. Carbon, 2019, 141, 643-651.	10.3	192
155	Vertically aligned Î³-AlOOH nanosheets on Al foils as flexible and reusable substrates for NH3 adsorption. Frontiers of Physics, 2018, 13, 1.	5.0	3
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