Shaoming Huang

List of Publications by Year in Descending Order

354 papers	16,641 citations	64 h-index	119 g-index
372 ext. papers	19,081 ext. citations	8.1 avg, IF	6.97 L-index

#	Paper	IF	Citations
354	Dual-Type Carbon Confinement Strategy: Improving the Stability of CoTe Nanocrystals for Sodium-Ion Batteries with a Long Lifespan.. *ACS Applied Materials & Interfaces*, **2022**, 14, 6801-6809	9.5	0
353	Metal□rganic frameworks with mixed-anion secondary building units as efficient photocatalysts for hydrogen generation. *Journal of Catalysis*, **2022**, 407, 10-18	7.3	0
352	Constructing hierarchical ZnIn2S4/g-C3N4 S-scheme heterojunction for boosted CO2 photoreduction performance. *Chemical Engineering Journal*, **2022**, 437, 135153	14.7	10
351	Boron nitride nanosheets for surface-enhanced Raman spectroscopy. *Materials Today Physics*, **2022**, 22, 100575	8	0
350	Tuning anion chemistry enables high-voltage and stable potassium-based tellurium-graphite batteries. *Nano Energy*, **2022**, 92, 106744	17.1	1
349	Highly graphitized N-doped carbon nanosheets from 2-dimensional coordination polymers for efficient metal-air batteries. *Carbon*, **2022**, 188, 135-145	10.4	3
348	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	14.7	9
347	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	9.3	6
346	Tuning the electronic structures of cobalt-molybdenum bimetallic carbides to boost the hydrogen oxidation reaction in alkaline medium. *Chemical Engineering Journal*, **2022**, 428, 131206	14.7	4
345	Photo-Luminescent Photonic Crystals for Anti-Counterfeiting.. *ACS Omega*, **2022**, 7, 7320-7326	3.9	2
344	A regulatable gap-electrical DNA sensor based on gold nanorods and single-walled carbon nanotubes. *Microchemical Journal*, **2022**, 179, 107415	4.8	1
343	Photonic Crystals with Tunable Lattice Structures Based on Anisotropic Metal□rganic Framework Particles and Their Application in Anticounterfeiting. *Advanced Photonics Research*, **2022**, 3, 2100246	1.9	1
342	A liquid cathode/anode based solid-state lithium-sulfur battery. *Electrochimica Acta*, **2022**, 421, 140456	6.7	1
341	Three-dimensional porous boron nitride with enriched defects and free radicals enables high photocatalytic activity for hydrogen evolution. *Chemical Engineering Journal*, **2022**, 446, 137026	14.7	0
340	Copolymerization of Sulfur Chains with Vinyl Functionalized Metal□rganic Framework for Accelerating Redox Kinetics in Lithium□Sulfur Batteries (Adv. Energy Mater. 21/2022). *Advanced Energy Materials*, **2022**, 12, 2270088	21.8	
339	Differentiated Oxygen Evolution Behavior in MOF-Derived Oxide Nanomaterials Induced by Phase Transition. *ACS Applied Materials & Interfaces*, **2021**, 13, 55454-55462	9.5	2
338	Tuning the current rectification behavior of Rh-based molecular junctions by varying their supramolecular structures. *Nanoscale*, **2021**, 13, 19200-19209	7.7	0

337	Constructing Heterogeneous Structure in Metal-Organic Framework-Derived Hierarchical Sulfur Hosts for Capturing Polysulfides and Promoting Conversion Kinetics. *ACS Nano*, **2021**,	16.7	4
336	Refractive-Index-Matching-Based Encryption of Photonic Crystal Prints with Multistage and Reconfigurable Information (Adv. Mater. Interfaces 20/2021). *Advanced Materials Interfaces*, **2021**, 8, 2170112	4.6	
335	Multiple-Dimensionally Controllable Nucleation Sites of Two-Dimensional WS/BiSe Heterojunctions Based on Vapor Growth. *ACS Applied Materials & Interfaces*, **2021**, 13, 15518-15524	9.5	2
334	Recent advances and perspective on the synthesis and photocatalytic application of metal halide perovskite nanocrystals. *Nano Research*, **2021**, 14, 3773	10	7
333	Bimetallic AgNi nanoparticles anchored onto MOF-derived nitrogen-doped carbon nanostrips for efficient hydrogen evolution. *Green Energy and Environment*, **2021**,	5.7	6
332	Abundant Co-Nx sites onto hollow MOF-Derived nitrogen-doped carbon materials for enhanced oxygen reduction. *Journal of Power Sources*, **2021**, 492, 229632	8.9	10
331	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	10.4	33
330	Sulfur-Induced Growth of Coordination Polymer Derived-Straight Carbon Nanotubes on Carbon Nanofiber Network for Zn-Air Batteries. *Chemistry - A European Journal*, **2021**, 27, 7704-7711	4.8	1
329	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	9.3	17
328	Chitosan hydrogel derived carbon foam with typical transition-metal catalysts for efficient water splitting. *Carbon*, **2021**, 177, 160-170	10.4	10
327	Cross-Linked Chains of Metal–Organic Framework Afford Continuous Ion Transport in Solid Batteries. *ACS Energy Letters*, **2021**, 6, 2434-2441	20.1	15
326	Recent Advances in Electrocatalysts for Alkaline Hydrogen Oxidation Reaction. *Small*, **2021**, 17, e2100391	11	13
325	Dual-Modal Invisible Photonic Crystal Prints from Photo/Water Responsive Photonic Crystals. *Advanced Photonics Research*, **2021**, 2, 2000197	1.9	3
324	CoMo carbide/nitride from bimetallic MOF precursors for enhanced OER performance. *International Journal of Hydrogen Energy*, **2021**, 46, 22268-22276	6.7	18
323	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	9.3	6
322	Electrochemical evolution of cobalt-carboxylate framework for efficient water oxidation. *Journal of Power Sources*, **2021**, 499, 229947	8.9	3
321	Constructing Active Sites from Atomic-Scale Geometrical Engineering in Spinel Oxide Solid Solutions for Efficient and Robust Oxygen Evolution Reaction Electrocatalysts. *Advanced Science*, **2021**, 8, e2101653	13.6	7
320	Interface engineering in transition metal-based heterostructures for oxygen electrocatalysis. *Materials Chemistry Frontiers*, **2021**, 5, 1033-1059	7.8	29

319	Ultrasmall Mo2C in N-doped carbon material from bimetallic ZnMo-MOF for efficient hydrogen evolution. *International Journal of Hydrogen Energy*, **2021**, 46, 2182-2190	6.7	6
318	Confining Sulfur in N-Doped Hollow Porous Carbon Spheres for Improved Lithium-Sulfur Batteries. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2021**, 647, 629-634	1.3	2
317	Design of thiol-lithium ion interaction in metal-organic framework for high-performance quasi-solid lithium metal batteries. *Dalton Transactions*, **2021**, 50, 2928-2935	4.3	5
316	Hydrogen-substituted graphdiyne/graphene as an sp/sp hybridized carbon interlayer for lithium-sulfur batteries. *Nanoscale*, **2021**, 13, 3817-3826	7.7	12
315	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	7.1	7
314	Silica-Templated Metal Organic Framework-Derived Hierarchically Porous Cobalt Oxide in Nitrogen-Doped Carbon Nanomaterials for Electrochemical Glucose Sensing. *ChemElectroChem*, **2021**, 8, 812-818	4.3	6
313	Rapid Fabrication of Alcohol Responsive Photonic Prints with Changeable Color Contrasts for Anti-Counterfeiting Application. *Advanced Materials Interfaces*, **2021**, 8, 2001905	4.6	9
312	Rational Design of Embedded CoTe Nanoparticles in Freestanding N-Doped Multichannel Carbon Fibers for Sodium-Ion Batteries with Ultralong Cycle Lifespan. *ACS Applied Materials & Interfaces*, **2021**, 13, 34134-34144	9.5	6
311	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	8.3	9
310	Doping engineering on carbons as electrocatalysts for oxygen reduction reaction. *Fundamental Research*, **2021**, 1, 807-807		1
309	Metal-Organic Framework Derived Ultrafine Sb@Porous Carbon Octahedron Substitution for High-Performance Sodium-Ion Batteries. *ACS Nano*, **2021**, 15, 15104-15113	16.7	20
308	Artificial sodium-selective ionic device based on crown-ether crystals with subnanometer pores. *Nature Communications*, **2021**, 12, 5231	17.4	5
307	Single Cobalt Atoms Decorated N-doped Carbon Polyhedron Enabled Dendrite-Free Sodium Metal Anode.. *Small Methods*, **2021**, 5, e2100833	12.8	7
306	Nano germanium incorporated thin graphite nanoplatelets: A novel germanium based lithium-ion battery anode with enhanced electrochemical performance. *Electrochimica Acta*, **2021**, 391, 139001	6.7	4
305	Visualizing Van der Waals Epitaxial Growth of 2D Heterostructures. *Advanced Materials*, **2021**, 33, e2105079	27	7
304	Refractive-Index-Matching-Based Encryption of Photonic Crystal Prints with Multistage and Reconfigurable Information. *Advanced Materials Interfaces*, **2021**, 8, 2100789	4.6	3
303	Constructing a hierarchical Sb@C nanoarchitectures as free-standing anode for high-performance lithium-ion batteries. *Materials Letters*, **2021**, 303, 130563	3.3	0
302	Rational construction of ultrafine noble metals onto carbon nanoribbons with efficient oxygen reduction in practical alkaline fuel cell. *Chemical Engineering Journal*, **2021**, 424, 130336	14.7	11

301	Unraveling the role of ion-solvent chemistry in stabilizing small-molecule organic cathode for potassium-ion batteries. *Energy Storage Materials*, **2021**, 43, 172-181	19.4	3
300	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	13	7
299	Atomically Dispersed CoN4/B, N-C Nanotubes Boost Oxygen Reduction in Rechargeable Zn–Air Batteries. *ACS Applied Energy Materials*, **2020**, 3, 4539-4548	6.1	27
298	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	16.7	12
297	Dual-Regulation Strategy to Improve Anchoring and Conversion of Polysulfides in Lithium-Sulfur Batteries. *ACS Nano*, **2020**, 14, 7538-7551	16.7	44
296	Li7La3Zr2O12 Ceramic Nanofiber-Incorporated Solid Polymer Electrolytes for Flexible Lithium Batteries. *ACS Applied Energy Materials*, **2020**, 3, 5238-5246	6.1	15
295	Abundant nanotube coated ordered macroporous carbon matrix with enhanced electrocatalytic activity. *Journal of Power Sources*, **2020**, 467, 228302	8.9	10
294	Heteroatom Doping of Molybdenum Carbide Boosts pH-Universal Hydrogen Evolution Reaction. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 10284-10291	8.3	10
293	Normal-pulse-voltage-assisted in situ fabrication of graphene-wrapped MOF-derived CuO nanoflowers for water oxidation. *Chemical Communications*, **2020**, 56, 8750-8753	5.8	14
292	A High-Capacity Ammonium Vanadate Cathode for Zinc-Ion Battery. *Nano-Micro Letters*, **2020**, 12, 67	19.5	48
291	Bottom-up preparation of hierarchically porous MOF-modified carbon sphere derivatives for efficient oxygen reduction. *Nanoscale*, **2020**, 12, 8785-8792	7.7	20
290	A Long-Cycling Aqueous Zinc-Ion Pouch Cell: NASICON-Type Material and Surface Modification. *Chemistry - an Asian Journal*, **2020**, 15, 1430-1435	4.5	7
289	Multiscale optimization of Li-ion diffusion in solid lithium metal batteries via ion conductive metal-organic frameworks. *Nanoscale*, **2020**, 12, 6976-6982	7.7	17
288	Biomimetic Molecule Catalysts to Promote the Conversion of Polysulfides for Advanced Lithium–Sulfur Batteries. *Advanced Functional Materials*, **2020**, 30, 2003354	15.6	32
287	Universal Precise Growth of 2D Transition-Metal Dichalcogenides in Vertical Direction. *ACS Applied Materials & Interfaces*, **2020**, 12, 35337-35344	9.5	9
286	Hybrid Cathodes Composed of K3V2(PO4)3 and Carbon Materials with Boosted Charge Transfer for K-Ion Batteries. *Surfaces*, **2020**, 3, 1-10	2.9	4
285	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	6
284	Two Birds with One Stone: Manipulating Colloids Assembled into Amorphous and Ordered Photonic Crystals and Their Combinations for Coding–Decoding. *Journal of Physical Chemistry C*, **2020**, 124, 6328-6336	3.8	13

283	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	6.7	20
282	Structural and Morphological Conversion between Two Co-Based MOFs for Enhanced Water Oxidation. *Inorganic Chemistry*, **2020**, 59, 2701-2710	5.1	18
281	Simple and Ultrafast Fabrication of Invisible Photonic Prints with Reconfigurable Patterns. *Advanced Optical Materials*, **2020**, 8, 1901541	8.1	26
280	Stringing Bimetallic Metal-Organic Framework-Derived Cobalt Phosphide Composite for High-Efficiency Overall Water Splitting. *Advanced Science*, **2020**, 7, 1903195	13.6	127
279	Highly Efficient Fabricating Amorphous Photonic Crystals Using Less Polar Solvents and the Wettability-Based Information Storage and Recognition. *Particle and Particle Systems Characterization*, **2020**, 37, 2000043	3.1	11
278	B, N-doped ultrathin carbon nanosheet superstructure for high-performance oxygen reduction reaction in rechargeable zinc-air battery. *Carbon*, **2020**, 164, 398-406	10.4	55
277	Approaching Reactive KFePO4 Phase for Potassium Storage by Adopting an Advanced Design Strategy. *Batteries and Supercaps*, **2020**, 3, 450-455	5.6	15
276	Metal Chalcogenides: Metal Chalcogenides: Paving the Way for High-Performance Sodium/Potassium-Ion Batteries (Small Methods 1/2020). *Small Methods*, **2020**, 4, 2070002	12.8	1
275	Rapid synthesis of hollow PtPdCu trimetallic octahedrons at room temperature for oxygen reduction reactions in acid media. *CrystEngComm*, **2020**, 22, 1586-1592	3.3	8
274	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	5.1	4
273	Overall water splitting on Ni0.19WO4 nanowires as highly efficient and durable bifunctional non-precious metal electrocatalysts. *Electrochimica Acta*, **2020**, 333, 135554	6.7	6
272	Cube-shaped metal-nitrogen□carbon derived from metal-ammonia complex-impregnated metal-organic framework for highly efficient oxygen reduction reaction. *Carbon*, **2020**, 158, 719-727	10.4	17
271	General approach to MOF-derived core-shell bimetallic oxide nanowires for fast response to glucose oxidation. *Sensors and Actuators B: Chemical*, **2020**, 306, 127551	8.5	35
270	Pressure-induced monolithic carbon aerogel from metal-organic framework. *Energy Storage Materials*, **2020**, 28, 393-400	19.4	17
269	Methylation-Induced Reversible Metallic-Semiconducting Transition of Single-Walled Carbon Nanotube Arrays for High-Performance Field-Effect Transistors. *Nano Letters*, **2020**, 20, 496-501	11.5	6
268	Surfactant-Mediated Morphological Evolution of MnCo Prussian Blue Structures. *Small*, **2020**, 16, e2004614	11	18
267	Thermal conversion of hollow nickel-organic framework into bimetallic FeNi3 alloy embedded in carbon materials as efficient oer electrocatalyst. *Electrochimica Acta*, **2020**, 354, 136716	6.7	15
266	Thiocyanate-capped CdSe@Zn1-XCdXS gradient alloyed quantum dots for efficient photocatalytic hydrogen evolution. *Chemical Engineering Journal*, **2020**, 402, 126178	14.7	16

265	Metal□Organic Frameworks: Molecular-Scale Interface Engineering of Metal□Organic Frameworks toward Ion Transport Enables High-Performance Solid Lithium Metal Battery (Adv. Funct. Mater. 50/2020). *Advanced Functional Materials*, **2020**, 30, 2070329	15.6	
264	A review of recent work on using metal-organic frameworks to grow carbon nanotubes. *Chemical Communications*, **2020**, 56, 10809-10823	5.8	64
263	Laser-induced phenylation reaction to prepare semiconducting single-walled carbon nanotube arrays. *Chemical Communications*, **2020**, 56, 14259-14262	5.8	1
262	Molecular-Scale Interface Engineering of Metal□Organic Frameworks toward Ion Transport Enables High-Performance Solid Lithium Metal Battery. *Advanced Functional Materials*, **2020**, 30, 2003945	15.6	13
261	A Self-Healing Amalgam Interface in Metal Batteries. *Advanced Materials*, **2020**, 32, e2004798	24	11
260	Highly Efficient Detection of Homologues and Isomers by the Dynamic Swelling Reflection Spectrum. *ACS Applied Materials & Interfaces*, **2020**, 12, 45174-45183	9.5	20
259	Highly efficient zinc finger peptide detection with ZIF-8-modified micropipets. *Chemical Communications*, **2020**, 56, 10855-10858	5.8	5
258	The Optimized Interfacial Compatibility of Metal□Organic Frameworks Enables a High-Performance Quasi-Solid Metal Battery. *ACS Energy Letters*, **2020**, 5, 2919-2926	20.1	27
257	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	3.6	8
256	Metal Chalcogenides: Paving the Way for High-Performance Sodium/Potassium-Ion Batteries. *Small Methods*, **2020**, 4, 1900563	12.8	97
255	Superior wide-temperature lithium storage in a porous cobalt vanadate. *Nano Research*, **2020**, 13, 1867-1874	10.1	13
254	Applying AuNPs/SWCNT to fabricate electrical nanogap device for DNA hybridization detection. *Carbon*, **2020**, 157, 40-46	10.4	7
253	Two-Dimensional Van der Waals Heterostructures for Synergistically Improved Surface-Enhanced Raman Spectroscopy. *ACS Applied Materials & Interfaces*, **2020**, 12, 21985-21991	9.5	10
252	In-MOF-derived ultrathin heteroatom-doped carbon nanosheets for improving oxygen reduction. *Nanoscale*, **2020**, 12, 10019-10025	7.7	23
251	Invisible photonic prints shown by UV illumination: combining photoluminescent and noniridescent structural colors. *Journal of Materials Chemistry C*, **2019**, 7, 11776-11782	7.1	20
250	Controlled fractal growth of transition metal dichalcogenides. *Nanoscale*, **2019**, 11, 17065-17072	7.7	6
249	Ceria/cobalt borate hybrids as efficient electrocatalysts for water oxidation under neutral conditions. *Nanoscale Advances*, **2019**, 1, 3686-3692	5.1	5
248	Advanced cathodes for potassium-ion battery. *Current Opinion in Electrochemistry*, **2019**, 18, 24-30	7.2	28

247	Cation sensing by luminescent high-nuclearity Zn-Eu Schiff base nanoscale complexes: high sensitivity to Ag and Cd ions at the ppm level. *Dalton Transactions*, **2019**, 48, 2206-2212	4.3	18
246	NaV(PO): an advanced cathode for sodium-ion batteries. *Nanoscale*, **2019**, 11, 2556-2576	7.7	130
245	Oxyvanite V3O5: A new intercalation-type anode for lithium-ion battery. *Informa Materia*, **2019**, 1, 251	23.1	87
244	Hand Painting of Noniridescent Structural Multicolor through the Self-Assembly of YOHCO Colloids and Its Application for Anti-Counterfeiting. *Langmuir*, **2019**, 35, 8428-8435	4	24
243	Designing Pd/O co-doped MoSx for boosting the hydrogen evolution reaction. *Journal of Materials Chemistry A*, **2019**, 7, 15599-15606	13	11
242	Chemical and morphological transformation of MOF-derived bimetallic phosphide for efficient oxygen evolution. *Nano Energy*, **2019**, 62, 745-753	17.1	116
241	Influence of Transmembrane Ionic Current Based on PNIPAM-Modified Nanochannels. *Journal of Physical Chemistry C*, **2019**, 123, 12500-12504	3.8	2
240	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	6.7	10
239	Persistent zinc-ion storage in mass-produced V2O5 architectures. *Nano Energy*, **2019**, 60, 171-178	17.1	98
238	Ag and N-doped graphene quantum dots co-modified CuBi2O4 submicron rod photocathodes with enhanced photoelectrochemical activity. *Applied Surface Science*, **2019**, 481, 661-668	6.7	17
237	In situ growth of ZIF-8 into solid-state nanochannels. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2019**, 570, 260-264	5.1	6
236	Anion Dependent Self-Assembly of Polynuclear Cd-Ln Schiff Base Nanoclusters: NIR Luminescent Sensing of Nitro Explosives. *Frontiers in Chemistry*, **2019**, 7, 139	5	0
235	Co3O4-anchored MWCNTs network derived from metal-organic frameworks as efficient OER electrocatalysts. *Materials Letters*, **2019**, 248, 181-184	3.3	14
234	A novel strategy for the synthesis of hollow Pt Cu tetradecahedrons as an efficient electrocatalyst toward methanol oxidation. *CrystEngComm*, **2019**, 21, 1903-1909	3.3	20
233	Bottom-up synthesis of MOF-derived hollow N-doped carbon materials for enhanced ORR performance. *Carbon*, **2019**, 146, 248-256	10.4	119
232	Three-Dimensional Functionalized Boron Nitride Nanosheets/ZnO Superstructures for CO Capture. *ACS Applied Materials & Interfaces*, **2019**, 11, 10276-10282	9.5	20
231	Electron Transport Properties of WS2 Field-Effect Transistors Modulated by Electron Beam Irradiation Under Gate Voltage. *IEEE Electron Device Letters*, **2019**, 40, 1542-1545	4.4	3
230	Construction of hierarchical Mo2C nanoparticles onto hollow N-doped carbon polyhedrons for efficient hydrogen evolution reaction. *Electrochimica Acta*, **2019**, 321, 134680	6.7	26

229	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	8.9	25
228	Carbon-nanoparticle-assisted growth of high quality bilayer WS2 by atmospheric pressure chemical vapor deposition. *Nano Research*, **2019**, 12, 2802-2807	10	9
227	Amorphous MoS2 confined in nitrogen-doped porous carbon for improved electrocatalytic stability toward hydrogen evolution reaction. *Nano Research*, **2019**, 12, 3116-3122	10	16
226	Amorphous Photonic Structures with Brilliant and Noniridescent Colors via Polymer-Assisted Colloidal Assembly. *ACS Omega*, **2019**, 4, 18771-18779	3.9	19
225	Bi nanoparticles/Bi2O3 nanosheets with abundant grain boundaries for efficient electrocatalytic CO2 reduction. *Electrochimica Acta*, **2019**, 298, 580-586	6.7	55
224	Reversible electron doping in monolayer WS 2 via a chemical strategy. *2D Materials*, **2019**, 6, 025003	5.9	2
223	Monolayer-ReS2 field effect transistor using monolayer-graphene as electrodes. *Physica B: Condensed Matter*, **2019**, 554, 35-39	2.8	5
222	Synthesis of a MoS -O-PtO Electrocatalyst with High Hydrogen Evolution Activity Using a Sacrificial Counter-Electrode. *Advanced Science*, **2019**, 6, 1801663	13.6	14
221	Facile Synthesis of Monodispersed SiO@FeO Core-Shell Colloids for Printing and Three-Dimensional Coating with Noniridescent Structural Colors. *ACS Omega*, **2019**, 4, 528-534	3.9	24
220	MOF derived N-doped carbon coated CoP particle/carbon nanotube composite for efficient oxygen evolution reaction. *Carbon*, **2019**, 141, 643-651	10.4	134
219	Vertically aligned □AlOOH nanosheets on Al foils as flexible and reusable substrates for NH3 adsorption. *Frontiers of Physics*, **2018**, 13, 1	3.7	3
218	Robust Cage-Based Zinc□Organic Frameworks Derived Dual-Doped Carbon Materials for Supercapacitor. *Crystal Growth and Design*, **2018**, 18, 2358-2364	3.5	32
217	Carbon quantum dots/Zn2+ ions doped-CdS nanowires with enhanced photocatalytic activity for reduction of 4-nitroaniline to p-phenylenediamine. *Applied Surface Science*, **2018**, 450, 1-8	6.7	42
216	Nanocavity-in-Multiple Nanogap Plasmonic Coupling Effects from Vertical Sandwich-Like Au@AlO@Au Arrays for Surface-Enhanced Raman Scattering. *ACS Applied Materials & Interfaces*, **2018**, 10, 8317-8323	9.5	13
215	Anion dependent self-assembly of drum-like 30- and 32-metal Cd□In nanoclusters: visible and NIR luminescent sensing of metal cations. *Journal of Materials Chemistry C*, **2018**, 6, 865-874	7.1	53
214	Molybdenum Carbide Nanoparticles Coated into the Graphene Wrapping N-Doped Porous Carbon Microspheres for Highly Efficient Electrocatalytic Hydrogen Evolution Both in Acidic and Alkaline Media. *Advanced Science*, **2018**, 5, 1700733	13.6	106
213	A self-assembling luminescent lanthanide molecular nanoparticle with potential for live□cell imaging. *Chemical Science*, **2018**, 9, 4630-4637	9.4	15
212	A novel red phosphor of seven-coordinated Mn ion-doped tridecafluorodizirconate NaZrF for warm WLEDs. *Dalton Transactions*, **2018**, 47, 5614-5621	4.3	27

211	Self-assembly of luminescent 12-metal Zn–Ln planar nanoclusters with sensing properties towards nitro explosives. *Journal of Materials Chemistry C*, **2018**, 6, 8513-8521	7.1	36
210	Lithium–Sulfur Batteries: 3D CNTs/Graphene-S-Al3Ni2 Cathodes for High-Sulfur-Loading and Long-Life Lithium–Sulfur Batteries (Adv. Sci. 7/2018). *Advanced Science*, **2018**, 5, 1870043	13.6	2
209	3D CNTs/Graphene-S-AlNi Cathodes for High-Sulfur-Loading and Long-Life Lithium-Sulfur Batteries. *Advanced Science*, **2018**, 5, 1800026	13.6	41
208	Bulk Hexagonal Boron Nitride with a Quasi-Isotropic Thermal Conductivity. *Advanced Functional Materials*, **2018**, 28, 1707556	15.6	45
207	Three-dimensional sp carbon networks prepared by ultrahigh temperature treatment for ultrafast lithium-sulfur batteries. *Nanoscale*, **2018**, 10, 10999-11005	7.7	15
206	MOF-templated syntheses of porous Co3O4 hollow spheres and micro-flowers for enhanced performance in supercapacitors. *CrystEngComm*, **2018**, 20, 3812-3816	3.3	27
205	Growth of atomically thin MoS2 flakes on high-κ substrates by chemical vapor deposition. *Journal of Materials Science*, **2018**, 53, 4262-4273	4.3	3
204	Tuning Ion Complexing To Rapidly Prepare Hollow Ag-Pt Nanowires with High Activity toward the Methanol Oxidization Reaction. *Chemistry - A European Journal*, **2018**, 24, 17345-17355	4.8	3
203	One-step template-free synthesis of 3D functionalized flower-like boron nitride nanosheets for NH and CO adsorption. *Nanoscale*, **2018**, 10, 10979-10985	7.7	30
202	Nanostructured Li V (PO) Cathodes. *Small*, **2018**, 14, e1800567	11	65
201	Lithium-Ion Batteries: Nanostructured Li3V2(PO4)3 Cathodes (Small 21/2018). *Small*, **2018**, 14, 1870095	11	3
200	Anion dependent self-assembly of sandwich 13-metal Ni-Ln nanoclusters with a long-chain Schiff base ligand. *Dalton Transactions*, **2017**, 46, 1748-1752	4.3	7
199	Polysulfide-Scission Reagents for the Suppression of the Shuttle Effect in Lithium-Sulfur Batteries. *ACS Nano*, **2017**, 11, 2209-2218	16.7	168
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