

# Shaoming Huang

## List of Publications by Citations

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372  
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19,081  
ext. citations

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L-index

#	Paper	IF	Citations
354	Sulfur-doped graphene as an efficient metal-free cathode catalyst for oxygen reduction. <i>ACS Nano</i> , <b>2012</b> , 6, 205-11	16.7	1580
353	A Lightweight TiO <sub>2</sub> /Graphene Interlayer, Applied as a Highly Effective Polysulfide Absorbent for Fast, Long-Life Lithium-Sulfur Batteries. <i>Advanced Materials</i> , <b>2015</b> , 27, 2891-8	24	576
352	Observation of active sites for oxygen reduction reaction on nitrogen-doped multilayer graphene. <i>ACS Nano</i> , <b>2014</b> , 8, 6856-62	16.7	445
351	Recent progress in doped carbon nanomaterials as effective cathode catalysts for fuel cell oxygen reduction reaction. <i>Journal of Power Sources</i> , <b>2013</b> , 236, 238-249	8.9	408
350	Band structure, phonon scattering, and the performance limit of single-walled carbon nanotube transistors. <i>Physical Review Letters</i> , <b>2005</b> , 95, 146805	7.4	403
349	Growth of millimeter-long and horizontally aligned single-walled carbon nanotubes on flat substrates. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 5636-7	16.4	384
348	Mechanical properties of atomically thin boron nitride and the role of interlayer interactions. <i>Nature Communications</i> , <b>2017</b> , 8, 15815	17.4	371
347	Growth Mechanism of Oriented Long Single Walled Carbon Nanotubes Using Fast-Heating□ Chemical Vapor Deposition Process. <i>Nano Letters</i> , <b>2004</b> , 4, 1025-1028	11.5	337
346	Catalyst-free synthesis of iodine-doped graphene via a facile thermal annealing process and its use for electrocatalytic oxygen reduction in an alkaline medium. <i>Chemical Communications</i> , <b>2012</b> , 48, 1027-9	5.8	305
345	Sulfur-nitrogen co-doped three-dimensional carbon foams with hierarchical pore structures as efficient metal-free electrocatalysts for oxygen reduction reactions. <i>Nanoscale</i> , <b>2013</b> , 5, 3283-8	7.7	278
344	Patterned Growth and Contact Transfer of Well-Aligned Carbon Nanotube Films. <i>Journal of Physical Chemistry B</i> , <b>1999</b> , 103, 4223-4227	3.4	255
343	Plasma Activation of Carbon Nanotubes for Chemical Modification. <i>Journal of Physical Chemistry B</i> , <b>2001</b> , 105, 618-622	3.4	236
342	Structure and growth of aligned carbon nanotube films by pyrolysis. <i>Chemical Physics Letters</i> , <b>2000</b> , 316, 349-355	2.5	227
341	INVESTIGATION OF HOMOLOGOUS SERIES AS PRECURSORY HYDROCARBONS FOR ALIGNED CARBON NANOTUBE FORMATION BY THE SPRAY PYROLYSIS METHOD. <i>Nano</i> , <b>2011</b> , 06, 205-213	1.1	219
340	Aligned Coaxial Nanowires of Carbon Nanotubes Sheathed with Conducting Polymers M.G. is grateful for a joint scholarship from Wollongong University and CSIRO; S.H. and L.D. thank the support from the Department of Industry, Science, and Technology (DIST), Australia; R.P.G. and T.L. thank the support of US NSF grant (DMR-0728169) and the NSF of China (40674004).	16.4	218
339	Metal-catalyst-free growth of single-walled carbon nanotubes on substrates. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 2094-5	16.4	208
338	Self-Assembled Three-Dimensional Hierarchical Umbilicate Bi <sub>2</sub> WO <sub>6</sub> Microspheres from Nanoplates: Controlled Synthesis, Photocatalytic Activities, and Wettability. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 4369-4374	3.8	206

337	Highly Efficient Binding of DNA on the Sidewalls and Tips of Carbon Nanotubes Using Photochemistry. <i>Nano Letters</i> , <b>2004</b> , 4, 89-93	11.5	192
336	Metal-free selenium doped carbon nanotube/graphene networks as a synergistically improved cathode catalyst for oxygen reduction reaction. <i>Nanoscale</i> , <b>2012</b> , 4, 6455-60	7.7	189
335	Nonenzymatic electrochemical detection of glucose using well-distributed nickel nanoparticles on straight multi-walled carbon nanotubes. <i>Biosensors and Bioelectronics</i> , <b>2011</b> , 30, 28-34	11.8	186
334	One-pot hydrothermal synthesis of reduced graphene oxide/carbon nanotube/ $\text{Ni(OH)}_2$ composites for high performance electrochemical supercapacitor. <i>Journal of Power Sources</i> , <b>2013</b> , 243, 555-561	8.9	182
333	Polysulfide-Scission Reagents for the Suppression of the Shuttle Effect in Lithium-Sulfur Batteries. <i>ACS Nano</i> , <b>2017</b> , 11, 2209-2218	16.7	168
332	Sulfur-doped porous reduced graphene oxide hollow nanosphere frameworks as metal-free electrocatalysts for oxygen reduction reaction and as supercapacitor electrode materials. <i>Nanoscale</i> , <b>2014</b> , 6, 13740-7	7.7	159
331	Functionalized Boron Nitride Nanosheets/Graphene Interlayer for Fast and Long-Life Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1602380	21.8	155
330	Anode Improvement in Rechargeable Lithium-Sulfur Batteries. <i>Advanced Materials</i> , <b>2017</b> , 29, 1700542	24	154
329	Hydrothermal synthesis and photoluminescence properties of red phosphor $\text{BaSiF}_6:\text{Mn}^{4+}$ for LED applications. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 2301	7.1	148
328	MOF derived N-doped carbon coated CoP particle/carbon nanotube composite for efficient oxygen evolution reaction. <i>Carbon</i> , <b>2019</b> , 141, 643-651	10.4	134
327	The formation mechanism, improved photoluminescence and LED applications of red phosphor $\text{K}_2\text{SiF}_6:\text{Mn}^{4+}$ . <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 3879-3884	7.1	133
326	$\text{NaV(PO)}_4$ : an advanced cathode for sodium-ion batteries. <i>Nanoscale</i> , <b>2019</b> , 11, 2556-2576	7.7	130
325	Luminescent 4f and d-4f polynuclear complexes and coordination polymers with flexible salen-type ligands. <i>Coordination Chemistry Reviews</i> , <b>2014</b> , 273-274, 63-75	23.2	128
324	Plasma Etching for Purification and Controlled Opening of Aligned Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 3543-3545	3.4	128
323	Stringing Bimetallic Metal-Organic Framework-Derived Cobalt Phosphide Composite for High-Efficiency Overall Water Splitting. <i>Advanced Science</i> , <b>2020</b> , 7, 1903195	13.6	127
322	Bottom-up synthesis of MOF-derived hollow N-doped carbon materials for enhanced ORR performance. <i>Carbon</i> , <b>2019</b> , 146, 248-256	10.4	119
321	Sulfur-Impregnated, Sandwich-Type, Hybrid Carbon Nanosheets with Hierarchical Porous Structure for High-Performance Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , <b>2014</b> , 4, 1301988	21.8	117
320	Chemical and morphological transformation of MOF-derived bimetallic phosphide for efficient oxygen evolution. <i>Nano Energy</i> , <b>2019</b> , 62, 745-753	17.1	116

- 319 Anion-dependent self-assembly of near-infrared luminescent 24- and 32-metal Cd-Ln complexes with drum-like architectures. *Journal of the American Chemical Society*, **2013**, 135, 8468-71 16.4 114
- 318 Patterned Growth of Well-Aligned Carbon Nanotubes: A Photolithographic Approach. *Journal of the American Chemical Society*, **1999**, 121, 10832-10833 16.4 113
- 317 Magnetic properties of Fe nanoparticles trapped at the tips of the aligned carbon nanotubes. *Journal of Magnetism and Magnetic Materials*, **2001**, 231, 9-12 2.8 110
- 316 Porous carbon nanotubes etched by water steam for high-rate large-capacity lithium-sulfur batteries. *Journal of Materials Chemistry A*, **2014**, 2, 8683-8689 13 109
- 315 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
- 314 A lightweight multifunctional interlayer of sulfur-nitrogen dual-doped graphene for ultrafast, long-life lithium-sulfur batteries. *Journal of Materials Chemistry A*, **2016**, 4, 15343-15352 13 106
- 313 Size control of Au@Cu<sub>2</sub>O octahedra for excellent photocatalytic performance. *Journal of Materials Chemistry*, **2012**, 22, 719-724 104
- 312 Polymer Electrolyte-Gated Carbon Nanotube Field-Effect Transistor. *Nano Letters*, **2004**, 4, 623-627 11.5 104
- 311 Facile synthesis of Cu<sub>2</sub>ZnSnS<sub>4</sub> nanocrystals. *CrystEngComm*, **2011**, 13, 3310 3.3 99
- 310 Persistent zinc-ion storage in mass-produced V<sub>2</sub>O<sub>5</sub> architectures. *Nano Energy*, **2019**, 60, 171-178 17.1 98
- 309 A red phosphor BaTiF<sub>6</sub>:Mn(4+): reaction mechanism, microstructures, optical properties, and applications for white LEDs. *Dalton Transactions*, **2014**, 43, 9414-8 4.3 97
- 308 Metal Chalcogenides: Paving the Way for High-Performance Sodium/Potassium-Ion Batteries. *Small Methods*, **2020**, 4, 1900563 12.8 97
- 307 Optimized photoluminescence of red phosphor K<sub>2</sub>TiF<sub>6</sub>:Mn<sup>4+</sup> synthesized at room temperature and its formation mechanism. *Journal of Materials Chemistry C*, **2015**, 3, 1935-1941 7.1 96
- 306 Patterned Growth of Well-Aligned Carbon Nanotubes: A Soft-Lithographic Approach. *Journal of Physical Chemistry B*, **2000**, 104, 2193-2196 3.4 95
- 305 Chemical vapor depositions of single-walled carbon nanotubes catalyzed by uniform Fe<sub>2</sub>O<sub>3</sub> nanoclusters synthesized using diblock copolymer micelles. *Journal of Physical Chemistry B*, **2004**, 108, 6124-9 3.4 90
- 304 Oxyvanite V<sub>3</sub>O<sub>5</sub>: A new intercalation-type anode for lithium-ion battery. *Informa Materials*, **2019**, 1, 251 23.1 87
- 303 Facile construction of manganese oxide doped carbon nanotube catalysts with high activity for oxygen reduction reaction and investigations into the origin of their activity enhancement. *ACS Applied Materials & Interfaces*, **2011**, 3, 2601-6 9.5 79
- 302 An electrochemical impedance sensor for the label-free ultrasensitive detection of interleukin-6 antigen. *Sensors and Actuators B: Chemical*, **2013**, 178, 310-315 8.5 78

301	Facile synthesis of nanospindle-like Cu <sub>2</sub> O/straight multi-walled carbon nanotube hybrid nanostructures and their application in enzyme-free glucose sensing. <i>Sensors and Actuators B: Chemical</i> , <b>2012</b> , 168, 1-7	8.5	75
300	Catalyst-free growth of large scale nitrogen-doped carbon spheres as efficient electrocatalysts for oxygen reduction in alkaline medium. <i>Journal of Power Sources</i> , <b>2011</b> , 196, 9970-9974	8.9	73
299	Tunable luminescence and energy transfer properties of Bi <sup>3+</sup> and Mn <sup>4+</sup> co-doped Ca <sub>14</sub> Al <sub>10</sub> Zn <sub>6</sub> O <sub>35</sub> phosphors for agricultural applications. <i>RSC Advances</i> , <b>2017</b> , 7, 14868-14875	3.7	70
298	Controlled Growth of Ag/Au Bimetallic Nanorods through Kinetics Control. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 34-41	9.6	69
297	A nickel hydroxide-coated 3D porous graphene hollow sphere framework as a high performance electrode material for supercapacitors. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 4186-92	3.6	68
296	A facile and general approach for the direct fabrication of 3D, vertically aligned carbon nanotube array/transition metal oxide composites as non-Pt catalysts for oxygen reduction reactions. <i>Advanced Materials</i> , <b>2014</b> , 26, 3156-61	24	68
295	Electrochemical detection of hepatitis B and papilloma virus DNAs using SWCNT array coated with gold nanoparticles. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 41, 205-10	11.8	68
294	Subnanometer Molybdenum Sulfide on Carbon Nanotubes as a Highly Active and Stable Electrocatalyst for Hydrogen Evolution Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 3543-505	9.5	65
293	Multidimensional CdS nanowire/CdIn <sub>2</sub> S <sub>4</sub> nanosheet heterostructure for photocatalytic and photoelectrochemical applications. <i>Nano Research</i> , <b>2017</b> , 10, 2699-2711	10	65
292	Raman spectroscopy and imaging of ultralong carbon nanotubes. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 3751-8	3.4	65
291	Nanostructured Li V (PO ) Cathodes. <i>Small</i> , <b>2018</b> , 14, e1800567	11	65
290	Raman spectral imaging of a carbon nanotube intramolecular junction. <i>Physical Review Letters</i> , <b>2005</b> , 94, 016802	7.4	64
289	A review of recent work on using metal-organic frameworks to grow carbon nanotubes. <i>Chemical Communications</i> , <b>2020</b> , 56, 10809-10823	5.8	64
288	Anion-Dependent Crystallization of Four Supramolecular Cadmium Complexes: Structures and Property Studies. <i>Crystal Growth and Design</i> , <b>2008</b> , 8, 3401-3407	3.5	62
287	Selective etching induces selective growth and controlled formation of various platinum nanostructures by modifying seed surface free energy. <i>ACS Nano</i> , <b>2012</b> , 6, 4072-82	16.7	61
286	Oriented Long Single Walled Carbon Nanotubes on Substrates from Floating Catalysts. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 13251-13254	3.4	60
285	Boron Nitride Nanosheets Improve Sensitivity and Reusability of Surface-Enhanced Raman Spectroscopy. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 8405-9	16.4	58
284	Growth of nanobipyramid by using large sized Au decahedra as seeds. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 13340-52	9.5	57

283	B, N-doped ultrathin carbon nanosheet superstructure for high-performance oxygen reduction reaction in rechargeable zinc-air battery. <i>Carbon</i> , <b>2020</b> , 164, 398-406	10.4	55
282	Bi nanoparticles/Bi <sub>2</sub> O <sub>3</sub> nanosheets with abundant grain boundaries for efficient electrocatalytic CO <sub>2</sub> reduction. <i>Electrochimica Acta</i> , <b>2019</b> , 298, 580-586	6.7	55
281	Anion dependent self-assembly of drum-like 30- and 32-metal Cd <sub>n</sub> In nanoclusters: visible and NIR luminescent sensing of metal cations. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 865-874	7.1	53
280	Controlled Growth of Long GaN Nanowires from Catalyst Patterns Fabricated by Dip-Pen Nanolithographic Techniques. <i>Chemistry of Materials</i> , <b>2004</b> , 16, 1633-1636	9.6	53
279	One-dimensional hexagonal-phase NaYF <sub>4</sub> : Controlled synthesis, self-assembly, and morphology-dependent up-conversion luminescence properties. <i>CrystEngComm</i> , <b>2010</b> , 12, 1650	3.3	51
278	A High-Capacity Ammonium Vanadate Cathode for Zinc-Ion Battery. <i>Nano-Micro Letters</i> , <b>2020</b> , 12, 67	19.5	48
277	Fabrication horizontal aligned MoO <sub>2</sub> /single-walled carbon nanotube nanowires for electrochemical supercapacitor. <i>Materials Letters</i> , <b>2010</b> , 64, 537-540	3.3	48
276	Boron nitride nanosheets as improved and reusable substrates for gold nanoparticles enabled surface enhanced Raman spectroscopy. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 7761-6	3.6	47
275	A bimetallic carbide derived from a MOF precursor for increasing electrocatalytic oxygen evolution activity. <i>Chemical Communications</i> , <b>2017</b> , 53, 13027-13030	5.8	46
274	Interlayer coupling in anisotropic/isotropic van der Waals heterostructures of ReS <sub>2</sub> and MoS <sub>2</sub> monolayers. <i>Nano Research</i> , <b>2016</b> , 9, 3772-3780	10	45
273	Bulk Hexagonal Boron Nitride with a Quasi-Isotropic Thermal Conductivity. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1707556	15.6	45
272	Wurtzite CuInS <sub>2</sub> and CuIn <sub>x</sub> Ga <sub>1-x</sub> S <sub>2</sub> nanoribbons: synthesis, optical and photoelectrical properties. <i>Nanoscale</i> , <b>2013</b> , 5, 1638-48	7.7	45
271	Dual-Regulation Strategy to Improve Anchoring and Conversion of Polysulfides in Lithium-Sulfur Batteries. <i>ACS Nano</i> , <b>2020</b> , 14, 7538-7551	16.7	44
270	Synthesis of AgInS <sub>2</sub> quantum dots with tunable photoluminescence for sensitized solar cells. <i>Journal of Power Sources</i> , <b>2017</b> , 341, 11-18	8.9	43
269	Ascorbic-acid-assisted growth of high quality M@ZnO: a growth mechanism and kinetics study. <i>Nanoscale</i> , <b>2013</b> , 5, 11808-19	7.7	43
268	Carbon quantum dots/Zn <sup>2+</sup> ions doped-CdS nanowires with enhanced photocatalytic activity for reduction of 4-nitroaniline to p-phenylenediamine. <i>Applied Surface Science</i> , <b>2018</b> , 450, 1-8	6.7	42
267	Aligned SWCNT-copper oxide array as a nonenzymatic electrochemical probe of glucose. <i>Electrochemistry Communications</i> , <b>2011</b> , 13, 363-365	5.1	42
266	Boron Nitride Nanosheet-Veiled Gold Nanoparticles for Surface-Enhanced Raman Scattering. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 15630-6	9.5	41

265	3D CNTs/Graphene-S-ALNi Cathodes for High-Sulfur-Loading and Long-Life Lithium-Sulfur Batteries. <i>Advanced Science</i> , <b>2018</b> , 5, 1800026	13.6	41
264	Nanotube "drop circles" <i>Journal of Materials Chemistry</i> , <b>1999</b> , 9, 1221-1222		41
263	A microporous MOF with open metal sites and Lewis basic sites for selective CO capture. <i>Dalton Transactions</i> , <b>2017</b> , 46, 14102-14106	4.3	40
262	Optimized photoluminescence of red phosphor Na <sub>2</sub> SnF <sub>6</sub> :Mn <sup>4+</sup> as red phosphor in the application in "warm" white LEDs. <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 2005-2015	3.8	39
261	Controllable synthesis of highly uniform flower-like hierarchical carbon nanospheres and their application in high performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 6245-6256	13.6	39
260	Molecule-Induced Conformational Change in Boron Nitride Nanosheets with Enhanced Surface Adsorption. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 8202-8210	15.6	39
259	Synthesis of wurtzite CuInS <sub>2</sub> nanowires by Ag <sub>2</sub> S-catalyzed growth. <i>CrystEngComm</i> , <b>2013</b> , 15, 1806	3.3	39
258	Mn <sup>4+</sup> doped (NH <sub>4</sub> ) <sub>2</sub> TiF <sub>6</sub> and (NH <sub>4</sub> ) <sub>2</sub> SiF <sub>6</sub> micro-crystal phosphors: synthesis through ion exchange at room temperature and their photoluminescence properties. <i>RSC Advances</i> , <b>2016</b> , 6, 76251-76258	3.7	39
257	Highly efficient oxygen evolution from CoS/CNT nanocomposites via a one-step electrochemical deposition and dissolution method. <i>Nanoscale</i> , <b>2017</b> , 9, 6886-6894	7.7	38
256	5-fold Twinned Nanowires and Single Twinned Right Bipyramids of Pd: Utilizing Small Organic Molecules To Tune the Etching Degree of O <sub>2</sub> /Halides. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 2453-2459	9.6	38
255	Synthesis, characterization and optical properties of flower-like tellurium. <i>CrystEngComm</i> , <b>2010</b> , 12, 166-171	3.1	38
254	Combination of Digestive Ripening and Seeding Growth As a Generalized Route for Precisely Controlling Size of Monodispersed Noble Monometallic, Shell Thickness of Core-Shell and Composition of Alloy Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 256-264	3.8	37
253	Self-assembly of luminescent 12-metal Zn-In planar nanoclusters with sensing properties towards nitro explosives. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 8513-8521	7.1	36
252	Cuboctahedron-based indium-organic frameworks for gas sorption and selective cation exchange. <i>Chemical Communications</i> , <b>2016</b> , 52, 7978-81	5.8	36
251	General approach to MOF-derived core-shell bimetallic oxide nanowires for fast response to glucose oxidation. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 306, 127551	8.5	35
250	Controllable synthesis of carbon nanotubes by changing the Mo content in bimetallic Fe-Mo/MgO catalyst. <i>Materials Chemistry and Physics</i> , <b>2011</b> , 127, 379-384	4.4	33
249	Identification of the structures of superlong oriented single-walled carbon nanotube arrays by electrodeposition of metal and Raman spectroscopy. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 11860-1	16.4	33
248	Fe <sub>7</sub> C <sub>3</sub> nanoparticles with in situ grown CNT on nitrogen doped hollow carbon cube with greatly enhanced conductivity and ORR performance for alkaline fuel cell. <i>Carbon</i> , <b>2021</b> , 174, 531-539	10.4	33

- 247 Biomimetic Molecule Catalysts to Promote the Conversion of Polysulfides for Advanced Lithium-Sulfur Batteries. *Advanced Functional Materials*, **2020**, 30, 2003354 15.6 32
- 246 Robust Cage-Based Zinc/Organic Frameworks Derived Dual-Doped Carbon Materials for Supercapacitor. *Crystal Growth and Design*, **2018**, 18, 2358-2364 3.5 32
- 245 A photoluminescent indium-organic framework with discrete cages and one-dimensional channels for gas adsorption. *Chemical Communications*, **2016**, 52, 9032-5 5.8 32
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- 243 Self-assembly of NIR luminescent 30-metal drum-like and 12-metal rectangular d-f nanoclusters with long-chain Schiff base ligands. *Chemical Communications*, **2014**, 50, 15569-72 5.8 31
- 242 Hydrangea-like multi-scale carbon hollow submicron spheres with hierarchical pores for high performance supercapacitor electrodes. *Electrochimica Acta*, **2015**, 176, 207-214 6.7 30
- 241 Dual-emissions with energy transfer from the phosphor Ca<sub>14</sub>Al<sub>10</sub>Zn<sub>6</sub>O<sub>35</sub>:Bi<sup>3+</sup>,Eu<sup>3+</sup> for application in agricultural lighting. *Journal of Alloys and Compounds*, **2017**, 724, 735-743 5.7 30
- 240 Reduction of Mn<sup>4+</sup> to Mn<sup>2+</sup> in CaAl<sub>12</sub>O<sub>19</sub> by co-doping charge compensators to obtain tunable photoluminescence. *RSC Advances*, **2013**, 3, 4510 3.7 30
- 239 The unusual effect of AgNO<sub>3</sub> on the growth of Au nanostructures and their catalytic performance. *Nanoscale*, **2013**, 5, 4976-85 7.7 30
- 238 A Novel Side-Selective Galvanic Reaction and Synthesis of Hollow Nanoparticles with an Alloy Core. *Journal of Physical Chemistry C*, **2010**, 114, 18073-18080 3.8 30
- 237 A Facile Route to BaSiF<sub>6</sub>:Mn<sup>4+</sup> Phosphor with Intense Red Emission and Its Humidity Stability. *Journal of the American Ceramic Society*, **2016**, 99, 3008-3014 3.8 30
- 236 One-step template-free synthesis of 3D functionalized flower-like boron nitride nanosheets for NH<sub>3</sub> and CO adsorption. *Nanoscale*, **2018**, 10, 10979-10985 7.7 30
- 235 Growth mechanism of largescale MoS<sub>2</sub> monolayer by sulfurization of MoO<sub>3</sub> film. *Materials Research Express*, **2016**, 3, 075009 1.7 29
- 234 Interface engineering in transition metal-based heterostructures for oxygen electrocatalysis. *Materials Chemistry Frontiers*, **2021**, 5, 1033-1059 7.8 29
- 233 Advanced cathodes for potassium-ion battery. *Current Opinion in Electrochemistry*, **2019**, 18, 24-30 7.2 28
- 232 Growth of aligned SWNT arrays from water-soluble molecular clusters for nanotube device fabrication. *Physical Chemistry Chemical Physics*, **2004**, 6, 1077 3.6 28
- 231 Atomically Dispersed Co<sub>4</sub>N<sub>4</sub>/B, N-C Nanotubes Boost Oxygen Reduction in Rechargeable Zn/Air Batteries. *ACS Applied Energy Materials*, **2020**, 3, 4539-4548 6.1 27
- 230 A novel red phosphor of seven-coordinated Mn ion-doped tridecafluorodizirconate NaZrF<sub>7</sub> for warm WLEDs. *Dalton Transactions*, **2018**, 47, 5614-5621 4.3 27



229	MOF-templated syntheses of porous Co <sub>3</sub> O <sub>4</sub> hollow spheres and micro-flowers for enhanced performance in supercapacitors. <i>CrystEngComm</i> , <b>2018</b> , 20, 3812-3816	3.3	27
228	Self-catalytic growth of unmodified gold nanoparticles as conductive bridges mediated gap-electrical signal transduction for DNA hybridization detection. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 1178-85	7.8	27
227	The Optimized Interfacial Compatibility of Metal-Organic Frameworks Enables a High-Performance Quasi-Solid Metal Battery. <i>ACS Energy Letters</i> , <b>2020</b> , 5, 2919-2926	20.1	27
226	Simple and Ultrafast Fabrication of Invisible Photonic Prints with Reconfigurable Patterns. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 1901541	8.1	26
225	Construction of hierarchical Mo <sub>2</sub> C nanoparticles onto hollow N-doped carbon polyhedrons for efficient hydrogen evolution reaction. <i>Electrochimica Acta</i> , <b>2019</b> , 321, 134680	6.7	26
224	Microscopic and Macroscopic Structures of Carbon Nanotubes Produced by Pyrolysis of Iron Phthalocyanine. <i>Journal of Nanoparticle Research</i> , <b>2002</b> , 4, 145-155	2.3	26
223	Tunable Yellow-Red Photoluminescence and Persistent Afterglow in Phosphors CaLaO(BO):Eu and CaEuO(BO). <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 11249-11257	5.1	25
222	Generally transform 3-dimensional In-based metal-organic frameworks into 2-dimensional Co,N-doped carbon nanosheets for Zn-air battery. <i>Journal of Power Sources</i> , <b>2019</b> , 440, 227158	8.9	25
221	Anion dependent self-assembly of a linear hexanuclear Yb(III) salen complex with enhanced near-infrared (NIR) luminescence properties. <i>Chemical Communications</i> , <b>2013</b> , 49, 9579-81	5.8	25
220	DNA-wrapped carbon nanotubes as sensitive electrochemical labels in controlled-assembly-mediated signal transduction for the detection of sequence-specific DNA. <i>Small</i> , <b>2012</b> , 8, 1407-14	11	25
219	Superlong-oriented Single-Walled Carbon Nanotube Arrays on Substrate with Low Percentage of Metallic Structure. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 6983-6988	3.8	25
218	Epitaxial growth of two-dimensional SnSe <sub>2</sub> /MoS <sub>2</sub> misfit heterostructures. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 10215-10222	7.1	25
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216	Selective Growth of Aligned Carbon Nanotubes on a Silver-Patterned Substrate by the Silver Mirror Reaction. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 3455-3458	3.4	24
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212	Growing carbon nanotubes on patterned submicron-size SiO <sub>2</sub> spheres. <i>Carbon</i> , <b>2003</b> , 41, 2347-2352	10.4	23

211	In-MOF-derived ultrathin heteroatom-doped carbon nanosheets for improving oxygen reduction. <i>Nanoscale</i> , <b>2020</b> , 12, 10019-10025	7.7	23
210	Solution-based synthesis of wurtzite Cu <sub>2</sub> ZnSnS <sub>4</sub> nanoleaves introduced by Cu <sub>2</sub> S nanocrystals as a catalyst. <i>Nanoscale</i> , <b>2013</b> , 5, 8114-21	7.7	22
209	Zinc oxide catalyzed growth of single-walled carbon nanotubes. <i>Applied Surface Science</i> , <b>2010</b> , 256, 2323-2326	7.7	22
208	Aligned Coaxial Nanowires of Carbon Nanotubes Sheathed with Conducting Polymers. <i>Angewandte Chemie</i> , <b>2000</b> , 112, 3810-3813	3.6	22
207	Tailoring defects of CuInS <sub>2</sub> quantum dots for sensitized solar cells. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 719, 227-235	5.7	21
206	Synthesis and structures of aligned branched carbon nanotubes produced by pyrolysis of iron(II) phthalocyanine. <i>Physica B: Condensed Matter</i> , <b>2002</b> , 323, 336-338	2.8	21
205	Invisible photonic prints shown by UV illumination: combining photoluminescent and noniridescent structural colors. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 11776-11782	7.1	20
204	A novel strategy for the synthesis of hollow PtCu tetradecahedrons as an efficient electrocatalyst toward methanol oxidation. <i>CrystEngComm</i> , <b>2019</b> , 21, 1903-1909	3.3	20
203	Three-Dimensional Functionalized Boron Nitride Nanosheets/ZnO Superstructures for CO Capture. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 10276-10282	9.5	20
202	Bottom-up preparation of hierarchically porous MOF-modified carbon sphere derivatives for efficient oxygen reduction. <i>Nanoscale</i> , <b>2020</b> , 12, 8785-8792	7.7	20
201	Hydrogen evolution reaction in full pH range on nickel doped tungsten carbide nanocubes as efficient and durable non-precious metal electrocatalysts. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 8695-8702	6.7	20
200	Anion dependent self-assembly of 56-metal Cd-Ln nanoclusters with enhanced near-infrared luminescence properties. <i>Nanoscale</i> , <b>2014</b> , 6, 10569-73	7.7	20
199	Solution-based synthesis of quaternary Cu-In-Zn-S nanobelts with tunable composition and band gap. <i>Chemical Communications</i> , <b>2011</b> , 47, 5256-8	5.8	20
198	Aligned carbon nanotubes patterned photolithographically by silver. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 796-798	3.4	20
197	Highly Efficient Detection of Homologues and Isomers by the Dynamic Swelling Reflection Spectrum. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 45174-45183	9.5	20
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195	Competitive Effect in The Growth of PdAuPd Segmental Nanorods. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 7394-7403	9.6	19
194	Amorphous Photonic Structures with Brilliant and Noniridescent Colors via Polymer-Assisted Colloidal Assembly. <i>ACS Omega</i> , <b>2019</b> , 4, 18771-18779	3.9	19

193	Cation sensing by luminescent high-nuclearity Zn-Eu Schiff base nanoscale complexes: high sensitivity to Ag and Cd ions at the ppm level. <i>Dalton Transactions</i> , <b>2019</b> , 48, 2206-2212	4.3	18
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191	Ag+-assisted heterogeneous growth of concave Pd@Au nanocubes for surface enhanced Raman scattering (SERS). <i>Nano Research</i> , <b>2017</b> , 10, 3509-3521	10	18
190	Ag <sub>2</sub> S-catalyzed growth of quaternary AgInZn <sub>7</sub> S <sub>9</sub> semiconductor nanowires in solution. <i>CrystEngComm</i> , <b>2011</b> , 13, 3515	3.3	18
189	Controlled synthesis of Pt nanoparticles via seeding growth and their shape-dependent catalytic activity. <i>Journal of Colloid and Interface Science</i> , <b>2010</b> , 352, 379-85	9.3	18
188	One-pot synthesis and magnetic, electrical properties of single-crystalline EMnS nanobelts. <i>Chemical Physics Letters</i> , <b>2008</b> , 462, 96-99	2.5	18
187	Surfactant-Mediated Morphological Evolution of MnCo Prussian Blue Structures. <i>Small</i> , <b>2020</b> , 16, e2004614	6.14	18
186	CoMo carbide/nitride from bimetallic MOF precursors for enhanced OER performance. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 22268-22276	6.7	18
185	A novel tunable green-to-red emitting phosphor Ca <sub>4</sub> LaO(BO <sub>3</sub> ) <sub>3</sub> :Tb,Eu via energy transfer with high quantum yield. <i>Ceramics International</i> , <b>2016</b> , 42, 13476-13484	5.1	18
184	Nitrogen-doped porous carbon plates derived from fallen camellia flower for electrochemical energy storage. <i>Journal of Solid State Electrochemistry</i> , <b>2017</b> , 21, 1165-1174	2.6	17
183	Ag and N-doped graphene quantum dots co-modified CuBi <sub>2</sub> O <sub>4</sub> submicron rod photocathodes with enhanced photoelectrochemical activity. <i>Applied Surface Science</i> , <b>2019</b> , 481, 661-668	6.7	17
182	Multiscale optimization of Li-ion diffusion in solid lithium metal batteries via ion conductive metal-organic frameworks. <i>Nanoscale</i> , <b>2020</b> , 12, 6976-6982	7.7	17
181	Large-scale synthesis of feather-like single-crystal Te via a biphasic interfacial reaction route. <i>CrystEngComm</i> , <b>2010</b> , 12, 3852	3.3	17
180	Controlled fabrication of aligned carbon nanotube patterns. <i>Physica B: Condensed Matter</i> , <b>2002</b> , 323, 333-335	2.8	17
179	Cube-shaped metal-nitrogen-carbon derived from metal-ammonia complex-impregnated metal-organic framework for highly efficient oxygen reduction reaction. <i>Carbon</i> , <b>2020</b> , 158, 719-727	10.4	17
178	Pressure-induced monolithic carbon aerogel from metal-organic framework. <i>Energy Storage Materials</i> , <b>2020</b> , 28, 393-400	19.4	17
177	Simple and efficient fabrication of multi-stage color-changeable photonic prints as anti-counterfeit labels. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 590, 134-143	9.3	17
176	Amorphous MoS <sub>2</sub> confined in nitrogen-doped porous carbon for improved electrocatalytic stability toward hydrogen evolution reaction. <i>Nano Research</i> , <b>2019</b> , 12, 3116-3122	10	16

175	BiVO <sub>4</sub> hollow microplates: controlled synthesis and enhanced photocatalytic activity achieved through one-step boron doping and Co(OH) <sub>2</sub> loading. <i>CrystEngComm</i> , <b>2017</b> , 19, 6305-6313	3.3	16
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172	Two Cd(II) and Ni(II) complexes constructed with dicyanamide and picolinate ligands. <i>Inorganica Chimica Acta</i> , <b>2009</b> , 362, 4926-4930	2.7	16
171	Thiocyanate-capped CdSe@Zn <sub>1-x</sub> Cd <sub>x</sub> S gradient alloyed quantum dots for efficient photocatalytic hydrogen evolution. <i>Chemical Engineering Journal</i> , <b>2020</b> , 402, 126178	14.7	16
170	Crystal structure, morphology and sorption behaviour of porous indium-tetracarboxylate framework materials. <i>CrystEngComm</i> , <b>2015</b> , 17, 8512-8518	3.3	15
169	Li <sub>7</sub> La <sub>3</sub> Zr <sub>2</sub> O <sub>12</sub> Ceramic Nanofiber-Incorporated Solid Polymer Electrolytes for Flexible Lithium Batteries. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 5238-5246	6.1	15
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167	Three-dimensional sp carbon networks prepared by ultrahigh temperature treatment for ultrafast lithium-sulfur batteries. <i>Nanoscale</i> , <b>2018</b> , 10, 10999-11005	7.7	15
166	Approaching Reactive KFePO <sub>4</sub> Phase for Potassium Storage by Adopting an Advanced Design Strategy. <i>Batteries and Supercaps</i> , <b>2020</b> , 3, 450-455	5.6	15
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164	Cross-Linked Chains of Metal-Organic Framework Afford Continuous Ion Transport in Solid Batteries. <i>ACS Energy Letters</i> , <b>2021</b> , 6, 2434-2441	20.1	15
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152	Molecular-Scale Interface Engineering of Metal-Organic Frameworks toward Ion Transport Enables High-Performance Solid Lithium Metal Battery. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2003945	15.6	13
151	Recent Advances in Electrocatalysts for Alkaline Hydrogen Oxidation Reaction. <i>Small</i> , <b>2021</b> , 17, e2100391	11	13
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135	Heteroatom Doping of Molybdenum Carbide Boosts pH-Universal Hydrogen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 10284-10291	8.3	10
134	Neuron-Inspired Interpenetrative Network Composed of Cobalt-Phosphorus-Derived Nanoparticles Embedded within Porous Carbon Nanotubes for Efficient Hydrogen Production. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 17284-91	9.5	10
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127	Two-Dimensional Van der Waals Heterostructures for Synergistically Improved Surface-Enhanced Raman Spectroscopy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 21985-21991	9.5	10
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97	Single Cobalt Atoms Decorated N-doped Carbon Polyhedron Enabled Dendrite-Free Sodium Metal Anode. <i>Small Methods</i> , 2021, 5, e2100833	12.8	7
96	Visualizing Van der Waals Epitaxial Growth of 2D Heterostructures. <i>Advanced Materials</i> , 2021, 33, e2105079	14	7
95	Dual active sites fabricated through atomic layer deposition of TiO <sub>2</sub> on MoS <sub>2</sub> nanosheet arrays for highly efficient electroreduction of CO <sub>2</sub> to ethanol. <i>Journal of Materials Chemistry A</i> , 2021, 9, 6790-6796 <sup>13</sup>	13	7
94	Synthesis, crystal structures and NIR luminescence properties of binuclear lanthanide Schiff Base complexes. <i>Inorganic Chemistry Communication</i> , 2017, 85, 52-55	3.1	6
93	Controlled fractal growth of transition metal dichalcogenides. <i>Nanoscale</i> , 2019, 11, 17065-17072	7.7	6
92	In situ growth of ZIF-8 into solid-state nanochannels. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 570, 260-264	5.1	6
91	Screwdriver-like Pd-Ag heterostructures formed via selective deposition of Ag on Pd nanowires as efficient photocatalysts for solvent-free aerobic oxidation of toluene. <i>Nano Research</i> , 2020, 13, 646-652 <sup>10</sup>	10	6
90	Selective adsorption behaviour of carbon dioxide in OH-functionalized metal-organic framework materials. <i>CrystEngComm</i> , 2017, 19, 5346-5350	3.3	6
89	Overall water splitting on Ni <sub>0.19</sub> WO <sub>4</sub> nanowires as highly efficient and durable bifunctional non-precious metal electrocatalysts. <i>Electrochimica Acta</i> , 2020, 333, 135554	6.7	6
88	Methylation-Induced Reversible Metallic-Semiconducting Transition of Single-Walled Carbon Nanotube Arrays for High-Performance Field-Effect Transistors. <i>Nano Letters</i> , 2020, 20, 496-501	11.5	6
87	Bimetallic AgNi nanoparticles anchored onto MOF-derived nitrogen-doped carbon nanostrips for efficient hydrogen evolution. <i>Green Energy and Environment</i> , 2021,	5.7	6
86	Noniridescent structural color from enhanced electromagnetic resonances of particle aggregations and its applications for reconfigurable patterns. <i>Journal of Colloid and Interface Science</i> , 2021, 604, 178-187 <sup>87</sup>	8.3	6



85	Anisotropic lanthanide-based nano-clusters for imaging applications. <i>Faraday Discussions</i> , <b>2016</b> , 191, 465-479	3.6	6
84	Ultrasmall Mo <sub>2</sub> C in N-doped carbon material from bimetallic ZnMo-MOF for efficient hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 2182-2190	6.7	6
83	Silica-Templated Metal Organic Framework-Derived Hierarchically Porous Cobalt Oxide in Nitrogen-Doped Carbon Nanomaterials for Electrochemical Glucose Sensing. <i>ChemElectroChem</i> , <b>2021</b> , 8, 812-818	4.3	6
82	Rational Design of Embedded CoTe Nanoparticles in Freestanding N-Doped Multichannel Carbon Fibers for Sodium-Ion Batteries with Ultralong Cycle Lifespan. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 34134-34144	9.5	6
81	Hierarchical N-doped CNTs grafted onto MOF-derived porous carbon nanomaterials for efficient oxygen reduction. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 606, 1833-1841	9.3	6
80	Ceria/cobalt borate hybrids as efficient electrocatalysts for water oxidation under neutral conditions. <i>Nanoscale Advances</i> , <b>2019</b> , 1, 3686-3692	5.1	5
79	Evolution from small sized Au nanoparticles to hollow Pt/Au nanostructures with Pt nanorods and a mechanistic study. <i>RSC Advances</i> , <b>2015</b> , 5, 103797-103802	3.7	5
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77	Photoelectrocatalytic oxidation of GMP on an ITO electrode modified with clay/[Ru(phen) <sub>2</sub> (dC18bpy)] <sup>2+</sup> hybrid film. <i>Science in China Series B: Chemistry</i> , <b>2009</b> , 52, 318-324		5
76	SYNTHESIZING A WELL-ALIGNED CARBON NANOTUBE FOREST WITH HIGH QUALITY VIA THE NEBULIZED SPRAY PYROLYSIS METHOD BY OPTIMIZING ULTRASONIC FREQUENCY. <i>Nano</i> , <b>2011</b> , 06, 343-348	1.1	5
75	Highly efficient zinc finger peptide detection with ZIF-8-modified micropipets. <i>Chemical Communications</i> , <b>2020</b> , 56, 10855-10858	5.8	5
74	Construction and Luminescence Properties of 4f and d-4f Clusters with Salen-Type Schiff Base Ligands. <i>Structure and Bonding</i> , <b>2016</b> , 155-187	0.9	5
73	Monolayer-ReS <sub>2</sub> field effect transistor using monolayer-graphene as electrodes. <i>Physica B: Condensed Matter</i> , <b>2019</b> , 554, 35-39	2.8	5
72	Design of thiol-lithium ion interaction in metal-organic framework for high-performance quasi-solid lithium metal batteries. <i>Dalton Transactions</i> , <b>2021</b> , 50, 2928-2935	4.3	5
71	Artificial sodium-selective ionic device based on crown-ether crystals with subnanometer pores. <i>Nature Communications</i> , <b>2021</b> , 12, 5231	17.4	5
70	The synthesis of hollow CuInS <sub>2</sub> microspheres with hierarchical structures. <i>Materials Chemistry and Physics</i> , <b>2015</b> , 149-150, 743-750	4.4	4
69	Hybrid Cathodes Composed of K <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> and Carbon Materials with Boosted Charge Transfer for K-Ion Batteries. <i>Surfaces</i> , <b>2020</b> , 3, 1-10	2.9	4
68	Antimony doped cadmium selenium nanobelts with enhanced electrical and optoelectrical properties. <i>Applied Surface Science</i> , <b>2014</b> , 307, 608-614	6.7	4

67	Influence of Au Nanoparticle Shape on Au@Cu <sub>2</sub> O Heterostructures. <i>Journal of Nanomaterials</i> , <b>2015</b> , 2015, 1-9	3.2	4
66	Growth of Single-Walled Carbon Nanotubes from Tellurium Nanoparticles by Alcohol CVD. <i>Chemical Vapor Deposition</i> , <b>2010</b> , 16, 136-142		4
65	Constructing Heterogeneous Structure in Metal-Organic Framework-Derived Hierarchical Sulfur Hosts for Capturing Polysulfides and Promoting Conversion Kinetics. <i>ACS Nano</i> , <b>2021</b> ,	16.7	4
64	A novel strategy to design a multilayer functionalized Cu <sub>2</sub> S thin film counter electrode with enhanced catalytic activity and stability for quantum dot sensitized solar cells. <i>Nanoscale Advances</i> , <b>2020</b> , 2, 833-843	5.1	4
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59	Electron Transport Properties of WS <sub>2</sub> Field-Effect Transistors Modulated by Electron Beam Irradiation Under Gate Voltage. <i>IEEE Electron Device Letters</i> , <b>2019</b> , 40, 1542-1545	4.4	3
58	Rational selection of halide ions for synthesizing highly active Au@Pd nanobipyramids. <i>RSC Advances</i> , <b>2017</b> , 7, 36867-36875	3.7	3
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56	The imaging mechanism of single-walled carbon nanotubes on Si/SiO <sub>2</sub> wafer in scanning electron microscopy. <i>Journal of Microscopy</i> , <b>2011</b> , 241, 188-94	1.9	3
55	Fabricating two-dimensional nanostructured tellurium thin films via pyrolyzing a single-source molecular precursor. <i>Thin Solid Films</i> , <b>2010</b> , 518, 4215-4220	2.2	3
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53	Kinetics of the thermal decomposition of diethyldithiocarbamate tellurium (IV). <i>Thermochimica Acta</i> , <b>2006</b> , 451, 94-98	2.9	3
52	Highly graphitized N-doped carbon nanosheets from 2-dimensional coordination polymers for efficient metal-air batteries. <i>Carbon</i> , <b>2022</b> , 188, 135-145	10.4	3
51	Regulating Coordination Environment in Metal-Organic Frameworks for Adsorption and Redox Conversion of Polysulfides in Lithium-Sulfur Batteries	1684-1694	3
50	Dual-Modal Invisible Photonic Crystal Prints from Photo/Water Responsive Photonic Crystals. <i>Advanced Photonics Research</i> , <b>2021</b> , 2, 2000197	1.9	3

49	Electrochemical evolution of cobalt-carboxylate framework for efficient water oxidation. <i>Journal of Power Sources</i> , <b>2021</b> , 499, 229947	8.9	3
48	Growth of atomically thin MoS <sub>2</sub> flakes on high-κ substrates by chemical vapor deposition. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 4262-4273	4.3	3
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44	Unraveling the role of ion-solvent chemistry in stabilizing small-molecule organic cathode for potassium-ion batteries. <i>Energy Storage Materials</i> , <b>2021</b> , 43, 172-181	19.4	3
43	Influence of Transmembrane Ionic Current Based on PNIPAM-Modified Nanochannels. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 12500-12504	3.8	2
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31	Photo-Luminescent Photonic Crystals for Anti-Counterfeiting.. <i>ACS Omega</i> , <b>2022</b> , 7, 7320-7326	3.9	2
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