

Xiao Zhang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

311 papers	21,487 citations	74 h-index	139 g-index
325 ext. papers	25,624 ext. citations	9.7 avg, IF	7.23 L-index

#	Paper	IF	Citations
311	Proton sponge promotion of electrochemical CO ₂ reduction to multi-carbon products. <i>Joule</i> , 2022 , 6, 205-220	27.8	4
310	Unmet needs and problems related to employment and working as reported by survivors with metastatic breast cancer.. <i>Supportive Care in Cancer</i> , 2022 , 30, 4291	3.9	2
309	Tumor-Tropic Adipose-Derived Mesenchymal Stromal Cell Mediated Bi Se Nano-Radiosensitizers Delivery for Targeted Radiotherapy of Non-Small Cell Lung Cancer.. <i>Advanced Healthcare Materials</i> , 2022 , e2200143	10.1	0
308	Isorecticular Series of Two-Dimensional Covalent Organic Frameworks with the kgd Topology and Controllable Micropores.. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	10
307	Polymer derived SiBCN(O) ceramics with tunable element content. <i>Ceramics International</i> , 2022 , 48, 10280-10287	10.1	0
306	CO/carbonate-mediated electrochemical water oxidation to hydrogen peroxide.. <i>Nature Communications</i> , 2022 , 13, 2668	17.4	0
305	Accelerated identification of high-performance catalysts for low-temperature NH ₃ -SCR by machine learning. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 23850-23859	13	5
304	Synthesis of Pd Sn and PdCuSn Nanorods with L1 Phase for Highly Efficient Electrocatalytic Ethanol Oxidation. <i>Advanced Materials</i> , 2021 , e2106115	24	17
303	Practices and Attitudes Regarding Pediatric Cholesterol Screening Recommendations Differ Between Pediatricians and Family Medicine Clinicians. <i>Pediatric Cardiology</i> , 2021 , 43, 631	2.1	0
302	Direct and continuous generation of pure acetic acid solutions via electrocatalytic carbon monoxide reduction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	24
301	A cross-national analysis of cultural representations in English textbooks used in China and Germany. <i>SN Social Sciences</i> , 2021 , 1, 1		1
300	Selenium in wastewater can be adsorbed by modified natural zeolite and reused in vegetable growth. <i>Science Progress</i> , 2021 , 104, 368504211019845	1.1	3
299	General Synthesis of Ordered Mesoporous Carbonaceous Hybrid Nanostructures with Molecularly Dispersed Polyoxometallates. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 15556-15562	16.4	2
298	An IoT-Based Motion Tracking System for Next-Generation Foot-Related Sports Training and Talent Selection. <i>Journal of Healthcare Engineering</i> , 2021 , 2021, 9958256	3.7	1
297	General synthesis of single-atom catalysts with high metal loading using graphene quantum dots. <i>Nature Chemistry</i> , 2021 , 13, 887-894	17.6	86
296	Coupled Co and Ir nanocrystals on graphite as pH-wide and efficient electrocatalyst for hydrogen evolution. <i>Surfaces and Interfaces</i> , 2021 , 24, 101049	4.1	1
295	A problem-specific non-dominated sorting genetic algorithm for supervised feature selection. <i>Information Sciences</i> , 2021 , 547, 841-859	7.7	26

294	Electrodeposition of Co ₄ S ₃ on NiCo LDH nanosheet arrays for advanced hydrogen evolution. <i>Materials Letters</i> , 2021 , 285, 129057	3.3	3
293	Rapid parallel adaptation despite gene flow in silent crickets. <i>Nature Communications</i> , 2021 , 12, 50	17.4	8
292	Selective and High Current CO Electro-Reduction to Multicarbon Products in Near-Neutral KCl Electrolytes. <i>Journal of the American Chemical Society</i> , 2021 , 143, 3245-3255	16.4	35
291	Full Solar-Spectrum-Driven Antibacterial Therapy over Hierarchical SnO ₂ /PDINH with Enhanced Photocatalytic Activity. <i>Small</i> , 2021 , 17, e2102744	11	12
290	New Multifeature Information Health Index (MIHI) Based on a Quasi-Orthogonal Sparse Algorithm for Bearing Degradation Monitoring. <i>Computational Intelligence and Neuroscience</i> , 2021 , 2021, 2221702	3	1
289	Similarity evaluation of 3D surface topography measurements. <i>Measurement Science and Technology</i> , 2021 , 32, 125003	2	2
288	Elevation and total nitrogen are the critical factors that control the spatial distribution of soil organic carbon content in the shrubland on the Bashang Plateau, China. <i>Catena</i> , 2021 , 204, 105415	5.8	8
287	PKC η Inhibition activates an ULK2-mediated interferon response to repress tumorigenesis. <i>Molecular Cell</i> , 2021 , 81, 4509-4526.e10	17.6	3
286	Heterogeneous Co@CoO composited P, N co-doped carbon nanofibers on carbon cloth as pH-tolerant electrocatalyst for efficient oxygen evolution. <i>Journal of Alloys and Compounds</i> , 2021 , 877, 160279	5.7	8
285	Synergistic effect between sulfur and CoFe alloys embedded in N-doped carbon nanosheets for efficient hydrogen evolution under neutral condition. <i>Chemical Engineering Journal</i> , 2021 , 426, 131922	14.7	3
284	Multi-UAV Cooperative Trajectory for Servicing Dynamic Demands and Charging Battery. <i>IEEE Transactions on Mobile Computing</i> , 2021 , 1-1	4.6	0
283	Porphyrin-Modified Cobalt Sulfide as a Developed Noble Metal-free Photoelectrocatalyst toward Methanol Oxidation under Visible Light. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 26678-26687	3.8	5
282	Few-Layer Bismuthene for Checkpoint Knockdown Enhanced Cancer Immunotherapy with Rapid Clearance and Sequentially Triggered One-for-All Strategy. <i>ACS Nano</i> , 2020 , 14, 15700-15713	16.7	16
281	A two-step gas/liquid strategy for the production of N-doped defect-rich transition metal dichalcogenide nanosheets and their antibacterial applications. <i>Nanoscale</i> , 2020 , 12, 8415-8424	7.7	18
280	Graphdiyne nanoradioprotector with efficient free radical scavenging ability for mitigating radiation-induced gastrointestinal tract damage. <i>Biomaterials</i> , 2020 , 244, 119940	15.6	25
279	Organic-Inorganic Composite Nanorods as an Excellent Mimicking Peroxidases for Colorimetric Detection and Evaluation of Antioxidant.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 2499-2506	4.1	3
278	Phase engineering of nanomaterials. <i>Nature Reviews Chemistry</i> , 2020 , 4, 243-256	34.6	198
277	Rapid colorimetric sensing of ascorbic acid based on the excellent peroxidase-like activity of Pt deposited on ZnCo ₂ O ₄ spheres. <i>New Journal of Chemistry</i> , 2020 , 44, 12002-12008	3.6	6

276	Metal Phthalocyanine-Derived Single-Atom Catalysts for Selective CO Electroreduction under High Current Densities. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 33795-33802	9.5	18
275	Intramolecular Hydrogen Bonding-Based Topology Regulation of Two-Dimensional Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2020 , 142, 13162-13169	16.4	29
274	Facile fabrication of a NiO/Ag ₃ PO ₄ Z-scheme photocatalyst with enhanced visible-light-driven photocatalytic activity. <i>New Journal of Chemistry</i> , 2020 , 44, 12806-12814	3.6	15
273	Ruthenium doped Ni ₂ P nanosheet arrays for active hydrogen evolution in neutral and alkaline water. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 1883-1890	5.8	7
272	Synthesis of Palladium-Based Crystalline@Amorphous Core-Shell Nanoplates for Highly Efficient Ethanol Oxidation. <i>Advanced Materials</i> , 2020 , 32, e2000482	24	53
271	Liquid-Phase Exfoliation and Functionalization of MoS Nanosheets for Effective Antibacterial Application. <i>ChemBioChem</i> , 2020 , 21, 2373-2380	3.8	11
270	Electroreduction of CO to Formate on a Copper-Based Electrocatalyst at High Pressures with High Energy Conversion Efficiency. <i>Journal of the American Chemical Society</i> , 2020 , 142, 7276-7282	16.4	84
269	Elevating EGFR-MAPK program by a nonconventional Cdc42 enhances intestinal epithelial survival and regeneration. <i>JCI Insight</i> , 2020 , 5,	9.9	8
268	Active Incremental Feature Selection Using a Fuzzy-Rough-Set-Based Information Entropy. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 28, 901-915	8.3	39
267	5,10,15,20-Tetrakis(4-carboxylphenyl)porphyrin modified nickel-cobalt layer double hydroxide nanosheets as enhanced photoelectrocatalysts for methanol oxidation under visible-light. <i>Journal of Colloid and Interface Science</i> , 2020 , 561, 881-889	9.3	16
266	The impact of aerosol on MODIS cloud detection and property retrieval in seriously polluted East China. <i>Science of the Total Environment</i> , 2020 , 711, 134634	10.2	9
265	Insights into Practical-Scale Electrochemical H ₂ O ₂ Synthesis. <i>Trends in Chemistry</i> , 2020 , 2, 942-953	14.8	34
264	Phase-Selective Epitaxial Growth of Heterophase Nanostructures on Unconventional 2H-Pd Nanoparticles. <i>Journal of the American Chemical Society</i> , 2020 , 142, 18971-18980	16.4	53
263	Stimuli-Responsive Small-on-Large Nanoradiosensitizer for Enhanced Tumor Penetration and Radiotherapy Sensitization. <i>ACS Nano</i> , 2020 , 14, 10001-10017	16.7	38
262	Observation of Weyl fermions in a magnetic non-centrosymmetric crystal. <i>Nature Communications</i> , 2020 , 11, 3356	17.4	18
261	Molecular engineering of dispersed nickel phthalocyanines on carbon nanotubes for selective CO ₂ reduction. <i>Nature Energy</i> , 2020 , 5, 684-692	62.3	151
260	A staged adaptive firefly algorithm for UAV charging planning in wireless sensor networks. <i>Computer Communications</i> , 2020 , 161, 132-141	5.1	6
259	Consistent dynamic map labeling with fairness and importance. <i>Computer Aided Geometric Design</i> , 2020 , 81, 101892	1.2	1

258	Energy-Saving Deployment Algorithms of UAV Swarm for Sustainable Wireless Coverage. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 10320-10335	6.8	12
257	Defect-Rich Adhesive Molybdenum Disulfide/rGO Vertical Heterostructures with Enhanced Nanozyme Activity for Smart Bacterial Killing Application. <i>Advanced Materials</i> , 2020 , 32, e2005423	24	89
256	Diet Diurnally Regulates Small Intestinal Microbiome-Epithelial-Immune Homeostasis and Enteritis. <i>Cell</i> , 2020 , 182, 1441-1459.e21	56.2	26
255	Liposomal Delivery of Mitoxantrone and a Cholesteryl Indoximod Prodrug Provides Effective Chemo-immunotherapy in Multiple Solid Tumors. <i>ACS Nano</i> , 2020 , 14, 13343-13366	16.7	37
254	Non-Thermal Plasma-Modified Ru-Sn-Ti Catalyst for Chlorinated Volatile Organic Compound Degradation. <i>Catalysts</i> , 2020 , 10, 1456	4	0
253	Confined Synthesis of 2D Nanostructured Materials toward Electrocatalysis. <i>Advanced Energy Materials</i> , 2020 , 10, 1900486	21.8	70
252	Graphene layer encapsulated MoNi ₄ -NiMoO ₄ for electrocatalytic water splitting. <i>Applied Surface Science</i> , 2020 , 504, 144390	6.7	16
251	Ultra-thin metal-organic framework nanoribbons. <i>National Science Review</i> , 2020 , 7, 46-52	10.8	18
250	Selective Epitaxial Growth of Oriented Hierarchical Metal-Organic Framework Heterostructures. <i>Journal of the American Chemical Society</i> , 2020 , 142, 8953-8961	16.4	40
249	Glucose-responsive cascaded nanocatalytic reactor with self-modulation of the tumor microenvironment for enhanced chemo-catalytic therapy. <i>Materials Horizons</i> , 2020 , 7, 1834-1844	14.4	36
248	Size-Dependent Phase Transformation of Noble Metal Nanomaterials. <i>Small</i> , 2019 , 15, e1903253	11	7
247	Cerium and nitrogen doped CoP nanorod arrays for hydrogen evolution in all pH conditions. <i>Sustainable Energy and Fuels</i> , 2019 , 3, 3344-3351	5.8	5
246	CoFeP hollow cube as advanced electrocatalyst for water oxidation. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 604-611	6.8	35
245	Revealing the hidden performance of metal phthalocyanines for CO ₂ reduction electrocatalysis by hybridization with carbon nanotubes. <i>Nano Research</i> , 2019 , 12, 2330-2334	10	42
244	An All-Organic Semiconductor C N /PDINH Heterostructure with Advanced Antibacterial Photocatalytic Therapy Activity. <i>Advanced Materials</i> , 2019 , 31, e1901965	24	118
243	Recycling Endosomes in Mature Epithelia Restrain Tumorigenic Signaling. <i>Cancer Research</i> , 2019 , 79, 4099-4112	10.1	14
242	Vanadium doping over Ni ₃ S ₂ nanosheet array for improved overall water splitting. <i>Applied Surface Science</i> , 2019 , 489, 815-823	6.7	27
241	MoS ₂ nanosheets decorated Ni(OH) ₂ nanorod array for active overall water splitting. <i>Journal of Alloys and Compounds</i> , 2019 , 796, 86-92	5.7	35

240	Engineering a High-Energy-Density and Long Lifespan Aqueous Zinc Battery via Ammonium Vanadium Bronze. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 20796-20803	9.5	51
239	Strong Charge Transfer at 2H-1T Phase Boundary of MoS for Superb High-Performance Energy Storage. <i>Small</i> , 2019 , 15, e1900131	11	37
238	Laser ablation of polymers: a review. <i>Polymer International</i> , 2019 , 68, 1391-1401	3.3	47
237	Electrodepositing Pd on NiFe layered double hydroxide for improved water electrolysis. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 842-850	7.8	30
236	Endocytosis of commensal antigens by intestinal epithelial cells regulates mucosal T cell homeostasis. <i>Science</i> , 2019 , 363,	33.3	78
235	Mass production of poly(ethylene glycol) monooleate-modified core-shell structured upconversion nanoparticles for bio-imaging and photodynamic therapy. <i>Scientific Reports</i> , 2019 , 9, 5212	4.9	13
234	3D printing and characterization of hydroxypropyl methylcellulose and methylcellulose for biodegradable support structures. <i>Polymer</i> , 2019 , 173, 119-126	3.9	22
233	Vanadium and nitrogen co-doped CoP nanoleaf array as pH-universal electrocatalyst for efficient hydrogen evolution. <i>Journal of Alloys and Compounds</i> , 2019 , 791, 1070-1078	5.7	38
232	Light-Induced Thermal Gradients in Ruthenium Catalysts Significantly Enhance Ammonia Production. <i>Nano Letters</i> , 2019 , 19, 1706-1711	11.5	45
231	A simple electrochemical method for conversion of Pt wires to Pt concave icosahedra and nanocubes on carbon paper for electrocatalytic hydrogen evolution. <i>Science China Materials</i> , 2019 , 62, 115-121	7.1	15
230	Fast Deployment of UAV Networks for Optimal Wireless Coverage. <i>IEEE Transactions on Mobile Computing</i> , 2019 , 18, 588-601	4.6	80
229	Porphyrin functionalized Co(OH)/GO nanocomposites as an excellent peroxidase mimic for colorimetric biosensing. <i>Analyst</i> , 2019 , 144, 5284-5291	5	30
228	Si Doped CoO Nanorods as Peroxidase Mimics for Colorimetric Sensing of Reduced Glutathione. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 13989-13998	8.3	50
227	Diameter dependent doping in horizontally aligned high-density N-doped SWNT arrays. <i>Nano Research</i> , 2019 , 12, 1845-1850	10	3
226	Ultrafine cobalt/ruthenium alloy on nitrogen and phosphorus co-doped graphene for electrocatalytic water splitting. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019 , 104, 75-81	5.3	9
225	Efficient Near Infrared Light Triggered Nitric Oxide Release Nanocomposites for Sensitizing Mild Photothermal Therapy. <i>Advanced Science</i> , 2019 , 6, 1801122	13.6	102
224	Translocation, biotransformation-related degradation, and toxicity assessment of polyvinylpyrrolidone-modified 2H-phase nano-MoS. <i>Nanoscale</i> , 2019 , 11, 4767-4780	7.7	28
223	Optimal Patrolling Trajectory Design for Multi-UAV Wireless Servicing and Battery Swapping 2019 ,		1

222	Theoretical and Experimental Study of Nonlinear and Electro-Magneto-Mechanical-Based Piezoelectric Vibration Energy Harvester. <i>Shock and Vibration</i> , 2019 , 2019, 1-17	1.1	1
221	Highly active oxygen evolution integrated with efficient CO to CO electroreduction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 23915-23922	11.5	33
220	Adsorption of Se(IV) in aqueous solution by zeolites synthesized from fly ashes with different compositions. <i>Journal of Water Reuse and Desalination</i> , 2019 , 9, 506-519	2.6	10
219	Controllable growth of Au nanostructures onto MoS nanosheets for dual-modal imaging and photothermal-radiation combined therapy. <i>Nanoscale</i> , 2019 , 11, 22788-22795	7.7	11
218	Interlayer-expanded VMo ₂ S ₄ nanosheets on RGO for high and fast lithium and sodium storage. <i>Journal of Alloys and Compounds</i> , 2019 , 772, 178-185	5.7	7
217	Ni-Co-B nanosheets coupled with reduced graphene oxide towards enhanced electrochemical oxygen evolution. <i>Journal of Alloys and Compounds</i> , 2019 , 776, 511-518	5.7	24
216	Efficient bifunctional vanadium-doped Ni ₃ S ₂ nanorod array for overall water splitting. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 443-450	6.8	39
215	Synthesis of MoX ₂ (X = Se or S) monolayers with high-concentration 1T' phase on 4H/fcc-Au nanorods for hydrogen evolution. <i>Nano Research</i> , 2019 , 12, 1301-1305	10	28
214	Novel structured transition metal dichalcogenide nanosheets. <i>Chemical Society Reviews</i> , 2018 , 47, 3301-3338	33.8	207
213	Plasmon-Enhanced Catalysis: Distinguishing Thermal and Nonthermal Effects. <i>Nano Letters</i> , 2018 , 18, 1714-1723	11.5	165
212	In Situ Grown Epitaxial Heterojunction Exhibits High-Performance Electrocatalytic Water Splitting. <i>Advanced Materials</i> , 2018 , 30, e1705516	24	273
211	Peroxidase-like activity of MoS nanoflakes with different modifications and their application for HO and glucose detection. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 487-498	7.3	103
210	Organic-Dye-Modified Upconversion Nanoparticle as a Multichannel Probe To Detect Cu in Living Cells. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 1028-1032	9.5	41
209	Preparation of High-Percentage 1T-Phase Transition Metal Dichalcogenide Nanodots for Electrochemical Hydrogen Evolution. <i>Advanced Materials</i> , 2018 , 30, 1705509	24	234
208	Magnetic and noncentrosymmetric Weyl fermion semimetals in the RAlGe family of compounds (R=rareearth). <i>Physical Review B</i> , 2018 , 97,	3.3	74
207	Intelligent MoS Nanotheranostic for Targeted and Enzyme-/pH-/NIR-Responsive Drug Delivery To Overcome Cancer Chemotherapy Resistance Guided by PET Imaging. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 4271-4284	9.5	93
206	Synthesis of well-dispersed Fe ₃ O ₄ nanoparticles loaded on montmorillonite and sensitive colorimetric detection of H ₂ O ₂ based on its peroxidase-like activity. <i>New Journal of Chemistry</i> , 2018 , 42, 9578-9587	3.6	54
205	Crystal phase-based epitaxial growth of hybrid noble metal nanostructures on 4H/fcc Au nanowires. <i>Nature Chemistry</i> , 2018 , 10, 456-461	17.6	160

204	Three-Dimensional Architectures Constructed from Transition-Metal Dichalcogenide Nanomaterials for Electrochemical Energy Storage and Conversion. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 626-646	16.4	305
203	FePt nanoparticles-decorated graphene oxide nanosheets as enhanced peroxidase mimics for sensitive response to H ₂ O ₂ . <i>Materials Science and Engineering C</i> , 2018 , 90, 610-620	8.3	74
202	Synthesis of Surface-Modification-Oriented Nanosized Molybdenum Disulfide with High Peroxidase-Like Catalytic Activity for H ₂ O ₂ and Cholesterol Detection. <i>Chemistry - A European Journal</i> , 2018 , 24, 15868-15878	4.8	28
201	Order Preserving Barrier Coverage with Weighted Sensors on a Line. <i>Lecture Notes in Computer Science</i> , 2018 , 244-255	0.9	
200	A colorimetric sensor of H ₂ O ₂ based on Co ₃ O ₄ /montmorillonite nanocomposites with peroxidase activity. <i>New Journal of Chemistry</i> , 2018 , 42, 1501-1509	3.6	67
199	Biodegradable MoO ₃ nanoparticles with efficient near-infrared photothermal and photodynamic synergetic cancer therapy at the second biological window. <i>Nanoscale</i> , 2018 , 10, 1517-1531	7.7	108
198	Cobalt and nickel bimetallic sulfide nanoparticles immobilized on montmorillonite demonstrating peroxidase-like activity for H ₂ O ₂ detection. <i>New Journal of Chemistry</i> , 2018 , 42, 18749-18758	3.6	31
197	In-situ real-time characterization of micro-filaments for electrohydrodynamic ink-jet printing using machine vision. <i>Procedia Manufacturing</i> , 2018 , 17, 45-52	1.5	4
196	Role of Electric Field and Reactive Oxygen Species in Enhancing Antibacterial Activity: A Case Study of 3D Cu Foam Electrode with Branched CuO/ZnO NWs. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 26454-26463	3.8	25
195	A Fast Feature Selection Algorithm by Accelerating Computation of Fuzzy Rough Set-Based Information Entropy. <i>Entropy</i> , 2018 , 20,	2.8	6
194	Hierarchical Ni(OH) ₂ -MnO ₂ Array as Supercapacitor Electrode with High Capacity. <i>Advanced Materials Interfaces</i> , 2018 , 6, 1801470	4.6	7
193	Bi S -Tween 20 Nanodots Loading PI3K Inhibitor, LY294002, for Mild Photothermal Therapy of LoVo Cells In Vitro and In Vivo. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1800830	10.1	24
192	Minimizing the total cost of barrier coverage in a linear domain. <i>Journal of Combinatorial Optimization</i> , 2018 , 36, 434-457	0.9	4
191	Iron Doped CuSn(OH) ₆ Microspheres as a Peroxidase-Mimicking Artificial Enzyme for H ₂ O ₂ Colorimetric Detection. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 14383-14393	8.3	82
190	Functionalized MoS ₂ Nanovehicle with Near-Infrared Laser-Mediated Nitric Oxide Release and Photothermal Activities for Advanced Bacteria-Infected Wound Therapy. <i>Small</i> , 2018 , 14, e1802290	11	158
189	X-Ray-Controlled Generation of Peroxynitrite Based on Nanosized LiLuF ₄ :Ce Scintillators and their Applications for Radiosensitization. <i>Advanced Materials</i> , 2018 , 30, e1804046	24	78
188	Doping-induced phase transition enables better electrocatalysts. <i>Science China Materials</i> , 2018 , 61, 1623-1624	2	
187	FeNi Cubic Carbon Coupled with N-Doped Graphene toward Efficient Electrochemical Water Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 8266-8273	8.3	56

186	Lithiation-induced amorphization of Pd ₃ P ₂ S ₈ for highly efficient hydrogen evolution. <i>Nature Catalysis</i> , 2018 , 1, 460-468	36.5	153
185	Ni ₃ [Fe(CN) ₆] ₂ nanocubes boost the catalytic activity of Pt for electrochemical hydrogen evolution. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 1683-1689	6.8	18
184	Nickel iron boride nanosheets on rGO for active electrochemical water oxidation. <i>Journal of Solid State Chemistry</i> , 2018 , 265, 135-139	3.3	22
183	A High-Rate and Stable Quasi-Solid-State Zinc-Ion Battery with Novel 2D Layered Zinc Orthovanadate Array. <i>Advanced Materials</i> , 2018 , 30, e1803181	24	389
182	In Situ Growth of NiFe Alloy Nanoparticles Embedded into N-Doped Bamboo-like Carbon Nanotubes as a Bifunctional Electrocatalyst for Zn-Air Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 26178-26187	9.5	66
181	Enhanced hydrogen evolution of MoS ₂ /RGO: vanadium, nitrogen dopants triggered new active sites and expanded interlayer. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 2092-2099	6.8	26
180	Risk behaviours for HIV infection among travelling Mexican migrants: The Mexico-US border as a contextual risk factor. <i>Global Public Health</i> , 2017 , 12, 65-83	3.5	9
179	Product selectivity in plasmonic photocatalysis for carbon dioxide hydrogenation. <i>Nature Communications</i> , 2017 , 8, 14542	17.4	247
178	Investigation of Thermally Induced Cellular Ablation and Heat Response Triggered by Planar MoS ₂ -Based Nanocomposite. <i>Bioconjugate Chemistry</i> , 2017 , 28, 1059-1067	6.3	25
177	Self-branched MnO ₂ /MnO ₂ heterojunction nanowires with enhanced pseudocapacitance. <i>Materials Horizons</i> , 2017 , 4, 415-422	14.4	89
176	A Two-Phase Evolutionary Approach for Compressive Sensing Reconstruction. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 2651-2663	10.2	25
175	Protein-directed synthesis of Bi ₂ S ₃ nanoparticles as an efficient contrast agent for visualizing the gastrointestinal tract. <i>RSC Advances</i> , 2017 , 7, 17505-17513	3.7	11
174	Preparation of Ultrathin Two-Dimensional Ti Ta S O Nanosheets as Highly Efficient Photothermal Agents. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 7842-7846	16.4	50
173	Self-template synthesis of hierarchical CoMoS ₃ nanotubes constructed of ultrathin nanosheets for robust water electrolysis. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 11309-11315	13	69
172	A Wntless-SEC12 complex on the ER membrane regulates early Wnt secretory vesicle assembly and mature ligand export. <i>Journal of Cell Science</i> , 2017 , 130, 2159-2171	5.3	15
171	Growth of Au Nanoparticles on 2D Metalloporphyrinic Metal-Organic Framework Nanosheets Used as Biomimetic Catalysts for Cascade Reactions. <i>Advanced Materials</i> , 2017 , 29, 1700102	24	283
170	Enhancing the sensing specificity of a MoS nanosheet-based FRET aptasensor using a surface blocking strategy. <i>Analyst, The</i> , 2017 , 142, 2570-2577	5	22
169	Composition- and phase-controlled synthesis and applications of alloyed phase heterostructures of transition metal disulphides. <i>Nanoscale</i> , 2017 , 9, 5102-5109	7.7	49

168	Recent Advances in Ultrathin Two-Dimensional Nanomaterials. <i>Chemical Reviews</i> , 2017 , 117, 6225-6331	68.1	2919
167	Understanding the Impact of Migration on HIV Risk: An Analysis of Mexican Migrants' Sexual Practices, Partners, and Contexts by Migration Phase. <i>AIDS and Behavior</i> , 2017 , 21, 935-948	4.3	6
166	Fabrication of Vacuum-Sealed Capacitive Micromachined Ultrasonic Transducers With Through-Glass-Via Interconnects Using Anodic Bonding. <i>Journal of Microelectromechanical Systems</i> , 2017 , 26, 226-234	2.5	23
165	Loading Pt Nanoparticles on Metal-Organic Frameworks for Improved Oxygen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 11577-11583	8.3	30
164	Functional tumor imaging based on inorganic nanomaterials. <i>Science China Chemistry</i> , 2017 , 60, 1425-1438	13.9	15
163	Optimization of Emergency UAV Deployment for Providing Wireless Coverage 2017 ,		13
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11	Molecular design of coumarin dyes with high efficiency in dye-sensitized solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008 , 194, 167-172	4.7	53
10	Ni ₂ Cu ₆ Sn ₅ alloys as negative electrode materials for rechargeable lithium batteries. <i>Journal of Power Sources</i> , 2007 , 167, 171-177	8.9	18
9	A comparative theoretical investigation of ruthenium dyes in dye-sensitized solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007 , 185, 283-288	4.7	23
8	Co-Doped Co _x Cu _{6-x} Sn ₅ Alloys as Negative Electrode Materials for Rechargeable Lithium Batteries. <i>Journal of the Electrochemical Society</i> , 2007 , 154, A7	3.9	15
7	Biodistribution of functionalized multiwall carbon nanotubes in mice. <i>Nuclear Medicine and Biology</i> , 2007 , 34, 579-83	2.1	122

6	Liquid Polymer Nanocomposites PEGMEBnO2 and PEGMEiO2 Prepared through Solvothermal Methods. <i>Chemistry of Materials</i> , 2006 , 18, 3850-3854	9.6	20
5	A quasi-solid-state dye-sensitized solar cell based on the stable polymer-grafted nanoparticle composite electrolyte. <i>Journal of Power Sources</i> , 2006 , 160, 1451-1455	8.9	72
4	Quantum study on photophysical and photochemical process of a new photosensitizer: hypomycin B. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005 , 170, 37-43	4.7	1
3	Investigating international students' attitudes toward local teachers' L1 use and learning practices in English-medium instruction in Germany: a Chinese case study. <i>Journal of Multilingual and Multicultural Development</i> , 1-15	1.4	
2	Theory-Driven Design of Electrocatalysts for the Two-Electron Oxygen Reduction Reaction Based on Dispersed Metal Phthalocyanines. <i>CCS Chemistry</i> , 585-593	7.2	5
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