

Chengzhou Zhu

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.

231
papers

19,689
citations

72
h-index

134
g-index

243
ext. papers

23,568
ext. citations

10.8
avg. IF

7.46
L-index

#	Paper	IF	Citations
231	Amorphous metal-organic frameworks on PtCu hydrogels: Enzyme immobilization platform with boosted activity and stability for sensitive biosensing.. <i>Journal of Hazardous Materials</i> , 2022 , 432, 128707	12.8	1
230	Engineering of Coordination Environment in Bioinspired Laccase-Mimicking Catalysts for Monitoring of Pesticide Poisoning. <i>Chemical Engineering Journal</i> , 2022 , 136930	14.7	0
229	Histidine-engineered metal-organic frameworks with enhanced peroxidase-like activity for sensitive detection of metallothioneins. <i>Sensors and Actuators B: Chemical</i> , 2022 , 366, 131927	8.5	2
228	Ultrathin Ruthenium Nanosheets with Crystallinity-Modulated Peroxidase-like Activity for Protein Discrimination.. <i>Analytical Chemistry</i> , 2021 ,	7.8	6
227	Tuning the Ratio of Pt(0)/Pt(II) in Well-Defined Pt Clusters Enables Enhanced Electrocatalytic Reduction/Oxidation of Hydrogen Peroxide for Sensitive Biosensing. <i>Analytical Chemistry</i> , 2021 , 93, 15982-15989	7.8	9
226	Defect engineering in nanozymes. <i>Materials Today</i> , 2021 ,	21.8	12
225	FeC-Assisted Single Atomic Fe Sites for Sensitive Electrochemical Biosensing. <i>Analytical Chemistry</i> , 2021 , 93, 5334-5342	7.8	12
224	Nanozyme-Activated Synergistic Amplification for Ultrasensitive Photoelectrochemical Immunoassay. <i>Analytical Chemistry</i> , 2021 , 93, 6881-6888	7.8	21
223	Nanozyme-involved biomimetic cascade catalysis for biomedical applications. <i>Materials Today</i> , 2021 , 44, 211-228	21.8	35
222	Neutral Zn-Air Battery Assembled with Single-Atom Iridium Catalysts for Sensitive Self-Powered Sensing System. <i>Advanced Functional Materials</i> , 2021 , 31, 2101193	15.6	9
221	Metal-Organic Frameworks Enhance Biomimetic Cascade Catalysis for Biosensing. <i>Advanced Materials</i> , 2021 , 33, e2005172	24	29
220	Nitrogen and boron co-doped graphene nanoribbons as peroxidase-mimicking nanozymes for enhanced biosensing. <i>Chinese Chemical Letters</i> , 2021 ,	8.1	2
219	Iron-Imprinted Single-Atomic Site Catalyst-Based Nanoprobe for Detection of Hydrogen Peroxide in Living Cells. <i>Nano-Micro Letters</i> , 2021 , 13, 146	19.5	9
218	Recent advances in synergistically enhanced single-atomic site catalysts for boosted oxygen reduction reaction. <i>Nano Energy</i> , 2021 , 84, 105817	17.1	25
217	Synergistically enhanced single-atomic site Fe by Fe ₃ C@C for boosted oxygen reduction in neutral electrolyte. <i>Nano Energy</i> , 2021 , 84, 105840	17.1	23
216	Modulating Oxygen Reduction Behaviors on Nickel Single-Atom Catalysts to Probe the Electrochemiluminescence Mechanism at the Atomic Level. <i>Analytical Chemistry</i> , 2021 , 93, 8663-8670	7.8	8
215	Imide modification coupling with NH ₂ -MIL-53(Fe) boosts the photocatalytic performance of graphitic carbon nitride for efficient water remediation. <i>Journal of Catalysis</i> , 2021 , 399, 192-200	7.3	5

214	Defect-Engineered Nanozyme-Linked Receptors. <i>Small</i> , 2021 , 17, e2101907	11	11
213	PdBi Single-Atom Alloy Aerogels for Efficient Ethanol Oxidation. <i>Advanced Functional Materials</i> , 2021 , 31, 2103465	15.6	20
212	Proton-Regulated Catalytic Activity of Nanozymes for Dual-Modal Bioassay of Urease Activity. <i>Analytical Chemistry</i> , 2021 , 93, 9897-9903	7.8	6
211	Immobilizing Enzymes on Noble Metal Hydrogel Nanozymes with Synergistically Enhanced Peroxidase Activity for Ultrasensitive Immunoassays by Cascade Signal Amplification. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 33383-33391	9.5	15
210	Single-atom catalysts boost signal amplification for biosensing. <i>Chemical Society Reviews</i> , 2021 , 50, 750-765	46.5	49
209	Single-Atom-Based Heterojunction Coupling with Ion-Exchange Reaction for Sensitive Photoelectrochemical Immunoassay. <i>Nano Letters</i> , 2021 , 21, 1879-1887	11.5	31
208	Amorphous RuTe ₂ nanorods as efficient peroxidase mimics for colorimetric immunoassay. <i>Sensors and Actuators B: Chemical</i> , 2021 , 341, 130007	8.5	7
207	Single-atom Bi-anchored Au hydrogels with specifically boosted peroxidase-like activity for cascade catalysis and sensing. <i>Sensors and Actuators B: Chemical</i> , 2021 , 343, 130108	8.5	7
206	Fe-N-C Single-Atom Catalyst Coupling with Pt Clusters Boosts Peroxidase-like Activity for Cascade-Amplified Colorimetric Immunoassay. <i>Analytical Chemistry</i> , 2021 , 93, 12353-12359	7.8	7
205	Axial Ligand-Engineered Single-Atom Catalysts with Boosted Enzyme-Like Activity for Sensitive Immunoassay. <i>Analytical Chemistry</i> , 2021 , 93, 12758-12766	7.8	6
204	Trace Iridium as "Adhesive" in PtCuIr Aerogels for Robust Methanol Electrooxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 13039-13046	8.3	1
203	Unsymmetrically coordinated single Fe-N ₃ S ₁ sites mimic the function of peroxidase. <i>Nano Today</i> , 2021 , 40, 101261	17.9	10
202	MXene-induced electronic optimization of metal-organic framework-derived CoFe LDH nanosheet arrays for efficient oxygen evolution. <i>Applied Catalysis B: Environmental</i> , 2021 , 298, 120599	21.8	15
201	Iridium Single-Atomic Site Catalysts with Superior Oxygen Reduction Reaction Activity for Sensitive Monitoring of Organophosphorus Pesticides.. <i>Analytical Chemistry</i> , 2021 ,	7.8	6
200	Single-atom platinum nanocatalyst-improved catalytic efficiency with enzyme-DNA supermolecular architectures. <i>Nano Energy</i> , 2020 , 74, 104931	17.1	45
199	Co Single-Atom Catalysts Boost Chemiluminescence. <i>Chemistry - A European Journal</i> , 2020 , 26, 7583-7588	11.8	14
198	Densely Isolated FeN ₄ Sites for Peroxidase Mimicking. <i>ACS Catalysis</i> , 2020 , 10, 6422-6429	13.1	87
197	Hexamine-Coordination-Framework-Derived CoN ₄ -doped Carbon Nanosheets for Robust Oxygen Reduction Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 9721-9730	8.3	13

196	Largely boosted methanol electrooxidation using ionic liquid/PdCu aerogels via interface engineering. <i>Materials Horizons</i> , 2020 , 7, 2407-2413	14.4	19
195	Efficient Z-Scheme heterostructure based on TiO ₂ /Ti ₃ C ₂ T _x /Cu ₂ O to boost photoelectrochemical response for ultrasensitive biosensing. <i>Sensors and Actuators B: Chemical</i> , 2020 , 312, 127951	8.5	27
194	Cascade Reaction System Integrating Single-Atom Nanozymes with Abundant Cu Sites for Enhanced Biosensing. <i>Analytical Chemistry</i> , 2020 , 92, 3373-3379	7.8	81
193	Robust and Stable Acidic Overall Water Splitting on Ir Single Atoms. <i>Nano Letters</i> , 2020 , 20, 2120-2128	11.5	95
192	Single-atom catalysts boost nitrogen electroreduction reaction. <i>Materials Today</i> , 2020 , 38, 99-113	21.8	30
191	Interface engineering for enhancing electrocatalytic oxygen evolution of NiFe LDH/NiTe heterostructures. <i>Applied Catalysis B: Environmental</i> , 2020 , 273, 119014	21.8	69
190	Efficient BiVO ₄ photoanode decorated with TiCT MXene for enhanced photoelectrochemical sensing of Hg(II) ion. <i>Analytica Chimica Acta</i> , 2020 , 1119, 11-17	6.6	23
189	Three-Dimensional Amorphous NiCoFe Nanowire@Nanosheets Catalysts for Enhanced Oxygen Evolution Reaction. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 064514	3.9	6
188	Fine-Tuning Pyridinic Nitrogen in Nitrogen-Doped Porous Carbon Nanostructures for Boosted Peroxidase-Like Activity and Sensitive Biosensing. <i>Research</i> , 2020 , 2020, 8202584	7.8	7
187	Modulating interfacial electronic structure of CoNi LDH nanosheets with Ti ₃ C ₂ T _x MXene for enhancing water oxidation catalysis. <i>Chemical Engineering Journal</i> , 2020 , 398, 125605	14.7	51
186	A novel fluorescent and electrochemical dual-responsive immunosensor for sensitive and reliable detection of biomarkers based on cation-exchange reaction. <i>Analytica Chimica Acta</i> , 2020 , 1096, 61-68	6.6	13
185	Highly-defective Fe-N-C catalysts towards pH-Universal oxygen reduction reaction. <i>Applied Catalysis B: Environmental</i> , 2020 , 263, 118347	21.8	68
184	Single-Atom Ir-Anchored 3D Amorphous NiFe Nanowire@Nanosheets for Boosted Oxygen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 3539-3546	9.5	19
183	Single-Atom Iron Boosts Electrochemiluminescence. <i>Angewandte Chemie</i> , 2020 , 132, 3562-3566	3.6	9
182	Single-Atom Iron Boosts Electrochemiluminescence. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 3534-3538	16.4	76
181	Enhancing Chemical Interaction of Polysulfide and Carbon through Synergetic Nitrogen and Phosphorus Doping. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 806-813	8.3	10
180	Metal-Organic Frameworks Based Porous Carbons for Oxygen Reduction Reaction Electrocatalysts for Fuel Cell Applications 2020 , 251-284		2
179	Noble Metal Aerogels. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 52234-52250	9.5	23

178	Recent advances in co-reaction accelerators for sensitive electrochemiluminescence analysis. <i>Chemical Communications</i> , 2020 , 56, 10989-10999	5.8	31
177	Secondary-Atom-Doping Enables Robust Fe-N-C Single-Atom Catalysts with Enhanced Oxygen Reduction Reaction. <i>Nano-Micro Letters</i> , 2020 , 12, 163	19.5	56
176	Dissociable photoelectrode materials boost ultrasensitive photoelectrochemical detection of organophosphorus pesticides. <i>Analytica Chimica Acta</i> , 2020 , 1130, 100-106	6.6	11
175	Hierarchically Porous S/N Codoped Carbon Nanozymes with Enhanced Peroxidase-like Activity for Total Antioxidant Capacity Biosensing. <i>Analytical Chemistry</i> , 2020 , 92, 13518-13524	7.8	42
174	Tuning Atomically Dispersed Fe Sites in Metal-Organic Frameworks Boosts Peroxidase-Like Activity for Sensitive Biosensing. <i>Nano-Micro Letters</i> , 2020 , 12, 184	19.5	37
173	Boron-doped Fe-N-C single-atom nanozymes specifically boost peroxidase-like activity. <i>Nano Today</i> , 2020 , 35, 100971	17.9	69
172	When Nanozymes Meet Single-Atom Catalysis. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 2565-2576	16.7	201
171	When Nanozymes Meet Single-Atom Catalysis. <i>Angewandte Chemie</i> , 2020 , 132, 2585-2596	3.6	55
170	pH-responsive allochroic nanoparticles for the multicolor detection of breast cancer biomarkers. <i>Biosensors and Bioelectronics</i> , 2020 , 148, 111780	11.8	22
169	Oxidase-Like Fe-N-C Single-Atom Nanozymes for the Detection of Acetylcholinesterase Activity. <i>Small</i> , 2019 , 15, e1903108	11	102
168	Multiscale porous Fe-N-C networks as highly efficient catalysts for the oxygen reduction reaction. <i>Nanoscale</i> , 2019 , 11, 19506-19511	7.7	22
167	Metal-organic frameworks-based catalysts for electrochemical oxygen evolution. <i>Materials Horizons</i> , 2019 , 6, 684-702	14.4	104
166	Electrically Switched Ion Exchange Based on Carbon-Polypyrrole Composite Smart Materials for the Removal of ReO from Aqueous Solutions. <i>Environmental Science & Technology</i> , 2019 , 53, 2612-2617	10.3	15
165	Engineering highly active oxygen sites in perovskite oxides for stable and efficient oxygen evolution. <i>Applied Catalysis B: Environmental</i> , 2019 , 256, 117817	21.8	48
164	Glucose Oxidase-Integrated Metal-Organic Framework Hybrids as Biomimetic Cascade Nanozymes for Ultrasensitive Glucose Biosensing. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 22096-22101	9.5	134
163	Self-Assembly of All-Inclusive Allochroic Nanoparticles for the Improved ELISA. <i>Analytical Chemistry</i> , 2019 , 91, 8461-8465	7.8	29
162	Rapid and selective detection of Fe (III) by using a smartphone-based device as a portable detector and hydroxyl functionalized metal-organic frameworks as the fluorescence probe. <i>Analytica Chimica Acta</i> , 2019 , 1077, 160-166	6.6	26
161	Red carbon dots: Optical property regulations and applications. <i>Materials Today</i> , 2019 , 30, 52-79	21.8	122

160	Robust noble metal-based electrocatalysts for oxygen evolution reaction. <i>Chemical Society Reviews</i> , 2019 , 48, 3181-3192	58.5	420
159	Ternary PtRuCu aerogels for enhanced methanol electrooxidation. <i>Nanoscale</i> , 2019 , 11, 10575-10580	7.7	29
158	Single Fe Atom on Hierarchically Porous S, N-Codoped Nanocarbon Derived from Porphyrin Enable Boosted Oxygen Catalysis for Rechargeable Zn-Air Batteries. <i>Small</i> , 2019 , 15, e1900307	11	153
157	A review of optical probes based on nanomaterials for the detection of hydrogen sulfide in biosystems. <i>Analytica Chimica Acta</i> , 2019 , 1061, 1-12	6.6	41
156	Polydopamine-Capped Bimetallic AuPt Hydrogels Enable Robust Biosensor for Organophosphorus Pesticide Detection. <i>Small</i> , 2019 , 15, e1900632	11	72
155	Fe-N-C Single-Atom Nanozymes for the Intracellular Hydrogen Peroxide Detection. <i>Analytical Chemistry</i> , 2019 , 91, 11994-11999	7.8	128
154	Pt-Ni(OH) nanosheets amplified two-way lateral flow immunoassays with smartphone readout for quantification of pesticides. <i>Biosensors and Bioelectronics</i> , 2019 , 142, 111498	11.8	51
153	A Bense-and-treat ELISA using zeolitic imidazolate framework-8 as carriers for dual-modal detection of carcinoembryonic antigen. <i>Sensors and Actuators B: Chemical</i> , 2019 , 297, 126760	8.5	17
152	A dopamine-induced Au hydrogel nanozyme for enhanced biomimetic catalysis. <i>Chemical Communications</i> , 2019 , 55, 9865-9868	5.8	50
151	Three-dimensional interconnected core-shell networks with Ni(Fe)OOH and Mn active species together as high-efficiency oxygen catalysts for rechargeable Zn-air batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 19045-19059	13	44
150	Highly Dispersed Platinum Atoms on the Surface of AuCu Metallic Aerogels for Enabling H ₂ O ₂ Production. <i>ACS Applied Energy Materials</i> , 2019 , 2, 7722-7727	6.1	19
149	Self-Driven Multicolor Electrochromic Energy Storage Windows Powered by a "Perpetual" Rechargeable Battery. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 48013-48020	9.5	15
148	Au@Pt nanodendrites enhanced multimodal enzyme-linked immunosorbent assay. <i>Nanoscale</i> , 2019 , 11, 8798-8802	7.7	50
147	Visualization of endogenous hydrogen sulfide in living cells based on Au nanorods@silica enhanced fluorescence. <i>Analytica Chimica Acta</i> , 2019 , 1053, 81-88	6.6	20
146	Nanozyme Enhanced Colorimetric Immunoassay for Naked-Eye Detection of Salmonella Enteritidis. <i>Journal of Analysis and Testing</i> , 2019 , 3, 99-106	3.2	22
145	Assembling Carbon Pores into Carbon Sheets: Rational Design of Three-Dimensional Carbon Networks for a Lithium-Sulfur Battery. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 5911-5918	9.5	20
144	Tuning polyelectrolyte-graphene interaction for enhanced electrochemical nonenzymatic hydrogen peroxide sensing. <i>Analytica Chimica Acta</i> , 2019 , 1049, 98-104	6.6	9
143	Highly photoluminescent carbon dots derived from linseed and their applications in cellular imaging and sensing. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 3181-3187	7.3	39

142	Core-shell PdPb@Pd aerogels with multiply-twinned intermetallic nanostructures: facile synthesis with accelerated gelation kinetics and their enhanced electrocatalytic properties. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 7517-7521	13	36
141	Colorimetric and chemiluminescent dual-readout immunochromatographic assay for detection of pesticide residues utilizing g-CN/BiFeO nanocomposites. <i>Biosensors and Bioelectronics</i> , 2018 , 106, 43-49	11.8	88
140	Embedding platinum-based nanoparticles within ordered mesoporous carbon using supercritical carbon dioxide technique as a highly efficient oxygen reduction electrocatalyst. <i>Journal of Alloys and Compounds</i> , 2018 , 741, 580-589	5.7	6
139	Porous Carbon-Hosted Atomically Dispersed Iron-Nitrogen Moiety as Enhanced Electrocatalysts for Oxygen Reduction Reaction in a Wide Range of pH. <i>Small</i> , 2018 , 14, e1703118	11	89
138	Electrically Switched Ion Exchange Based on Polypyrrole and Carbon Nanotube Nanocomposite for the Removal of Chromium(VI) from Aqueous Solution. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 768-774	3.9	35
137	Recent advances in spectroelectrochemistry. <i>Nanoscale</i> , 2018 , 10, 3089-3111	7.7	79
136	Smart Drug Delivery System-Inspired Enzyme-Linked Immunosorbent Assay Based on Fluorescence Resonance Energy Transfer and Allochromic Effect Induced Dual-Modal Colorimetric and Fluorescent Detection. <i>Analytical Chemistry</i> , 2018 , 90, 1976-1982	7.8	58
135	Ultrathin dendritic IrTe nanotubes for an efficient oxygen evolution reaction in a wide pH range. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 8855-8859	13	37
134	Dual-Readout Immunochromatographic Assay by Utilizing MnO Nanoflowers as the Unique Colorimetric/Chemiluminescent Probe. <i>Analytical Chemistry</i> , 2018 , 90, 5147-5152	7.8	68
133	Fluorescent silicon nanoparticles-based ratiometric fluorescence immunoassay for sensitive detection of ethyl carbamate in red wine. <i>Sensors and Actuators B: Chemical</i> , 2018 , 255, 2742-2749	8.5	54
132	Graphene-like Metal-Free 2D Nanosheets for Cancer Imaging and Theranostics. <i>Trends in Biotechnology</i> , 2018 , 36, 1145-1156	15.1	41
131	Nanovoid Incorporated IrxCu Metallic Aerogels for Oxygen Evolution Reaction Catalysis. <i>ACS Energy Letters</i> , 2018 , 3, 2038-2044	20.1	94
130	SWCNTs@GQDs composites as nanocarriers for enzyme-free dual-signal amplification electrochemical immunoassay of cancer biomarker. <i>Analytica Chimica Acta</i> , 2018 , 1042, 44-51	6.6	34
129	Hierarchically Porous MN _x (M = Co and Fe) Single-Atom Electrocatalysts with Robust MN _x Active Moieties Enable Enhanced ORR Performance. <i>Advanced Energy Materials</i> , 2018 , 8, 1801956	21.8	351
128	Ultrafine Pd ensembles anchored-Au ₂ Cu aerogels boost ethanol electrooxidation. <i>Nano Energy</i> , 2018 , 53, 206-212	17.1	39
127	Single-Atom Catalysts for Electrochemical Water Splitting. <i>ACS Energy Letters</i> , 2018 , 3, 1713-1721	20.1	198
126	Self-supporting activated carbon/carbon nanotube/reduced graphene oxide flexible electrode for high performance supercapacitor. <i>Carbon</i> , 2018 , 129, 236-244	10.4	181
125	MnO Nanosheet-Carbon Dots Sensing Platform for Sensitive Detection of Organophosphorus Pesticides. <i>Analytical Chemistry</i> , 2018 , 90, 2618-2624	7.8	203

124	Ultrafine and highly disordered Ni ₂ Fe ₁ nanofoams enabled highly efficient oxygen evolution reaction in alkaline electrolyte. <i>Nano Energy</i> , 2018 , 44, 319-326	17.1	85
123	Tubular titanium oxide/reduced graphene oxide-sulfur composite for improved performance of lithium sulfur batteries. <i>Carbon</i> , 2018 , 128, 63-69	10.4	35
122	Hierarchical manganese dioxide nanoflowers enable accurate ratiometric fluorescence enzyme-linked immunosorbent assay. <i>Nanoscale</i> , 2018 , 10, 21893-21897	7.7	32
121	Integrating in situ formation of nanozymes with three-dimensional dendritic mesoporous silica nanospheres for hypoxia-overcoming photodynamic therapy. <i>Nanoscale</i> , 2018 , 10, 22937-22945	7.7	35
120	Recent advances in emerging 2D nanomaterials for biosensing and bioimaging applications. <i>Materials Today</i> , 2018 , 21, 164-177	21.8	104
119	Catalytic Activity of Co _X (X = S, P, O) and Its Dependency on Nanostructure/Chemical Composition in Lithium Sulfur Batteries. <i>ACS Applied Energy Materials</i> , 2018 , 1, 7014-7021	6.1	34
118	Porous graphene doped with Fe/N/S and incorporating Fe ₃ O ₄ nanoparticles for efficient oxygen reduction. <i>Catalysis Science and Technology</i> , 2018 , 8, 5325-5333	5.5	19
117	A Nanozyme- and Ambient Light-Based Smartphone Platform for Simultaneous Detection of Dual Biomarkers from Exposure to Organophosphorus Pesticides. <i>Analytical Chemistry</i> , 2018 , 90, 7391-7398	7.8	88
116	Graphene-like 2D nanomaterial-based biointerfaces for biosensing applications. <i>Biosensors and Bioelectronics</i> , 2017 , 89, 43-55	11.8	182
115	Drug-Derived Bright and Color-Tunable N-Doped Carbon Dots for Cell Imaging and Sensitive Detection of Fe in Living Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 7399-7405	9.5	206
114	Three-dimensional Nitrogen-Doped Reduced Graphene Oxide/Carbon Nanotube Composite Catalysts for Vanadium Flow Batteries. <i>Electroanalysis</i> , 2017 , 29, 1469-1473	3	23
113	Carbon quantum dots as fluorescence resonance energy transfer sensors for organophosphate pesticides determination. <i>Biosensors and Bioelectronics</i> , 2017 , 94, 292-297	11.8	190
112	Self-Assembled Fe-N-Doped Carbon Nanotube Aerogels with Single-Atom Catalyst Feature as High-Efficiency Oxygen Reduction Electrocatalysts. <i>Small</i> , 2017 , 13, 1603-1607	11	207
111	Solvent co-mediated synthesis of ultrathin BiOCl nanosheets with highly efficient visible-light photocatalytic activity. <i>RSC Advances</i> , 2017 , 7, 10235-10241	3.7	27
110	Highly uniform distribution of Pt nanoparticles on N-doped hollow carbon spheres with enhanced durability for oxygen reduction reaction. <i>RSC Advances</i> , 2017 , 7, 6303-6308	3.7	26
109	Nitrogen and Fluorine-Codoped Carbon Nanowire Aerogels as Metal-Free Electrocatalysts for Oxygen Reduction Reaction. <i>Chemistry - A European Journal</i> , 2017 , 23, 10460-10464	4.8	42
108	MnO Nanotube-Based NanoSearchlight for Imaging of Multiple MicroRNAs in Live Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 23325-23332	9.5	25
107	Metal-Organic Framework-Derived Non-Precious Metal Nanocatalysts for Oxygen Reduction Reaction. <i>Advanced Energy Materials</i> , 2017 , 7, 1700363	21.8	228

106	Glucose Biosensor Based on Mesoporous Pt Nanotubes. <i>Journal of the Electrochemical Society</i> , 2017 , 164, B230-B233	3.9	7
105	Einzelatom-Elektrokatalysatoren. <i>Angewandte Chemie</i> , 2017 , 129, 14132-14148	3.6	83
104	Single-Atom Electrocatalysts. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 13944-13960	16.4	756
103	One-step synthesis of functional pNR/rGO composite as a building block for enhanced ascorbic acid biosensing. <i>Analytica Chimica Acta</i> , 2017 , 981, 34-40	6.6	12
102	Versatile Barometer Biosensor Based on Au@Pt Core/Shell Nanoparticle Probe. <i>ACS Sensors</i> , 2017 , 2, 789-795	9.2	40
101	Template-directed synthesis of nitrogen- and sulfur-codoped carbon nanowire aerogels with enhanced electrocatalytic performance for oxygen reduction. <i>Nano Research</i> , 2017 , 10, 1888-1895	10	23
100	Oxidase-mimicking activity of ultrathin MnO nanosheets in colorimetric assay of acetylcholinesterase activity. <i>Nanoscale</i> , 2017 , 9, 2317-2323	7.7	152
99	Low Pt-content ternary PdCuPt nanodendrites: an efficient electrocatalyst for oxygen reduction reaction. <i>Nanoscale</i> , 2017 , 9, 1279-1284	7.7	59
98	Intermetallic Pd ₃ Pb nanowire networks boost ethanol oxidation and oxygen reduction reactions with significantly improved methanol tolerance. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 23952-23959	13	53
97	One-step synthesis of carbon nanosheet-decorated carbon nanofibers as a 3D interconnected porous carbon scaffold for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 23737-23743	13	28
96	Two-Dimensional N,S-Codoped Carbon/CoS Catalysts Derived from Co(OH) Nanosheets for Oxygen Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 36755-36761	9.5	38
95	Kinetically controlled synthesis of AuPt bi-metallic aerogels and their enhanced electrocatalytic performances. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 19626-19631	13	35
94	Multifunctional SnO ₂ /3D graphene hybrid materials for sodium-ion and lithium-ion batteries with excellent rate capability and long cycle life. <i>Nano Research</i> , 2017 , 10, 4398-4414	10	56
93	Mitochondrial-targeted multifunctional mesoporous Au@Pt nanoparticles for dual-mode photodynamic and photothermal therapy of cancers. <i>Nanoscale</i> , 2017 , 9, 15813-15824	7.7	54
92	Tuning the structure and composition of graphite-phase polymeric carbon nitride/reduced graphene oxide composites towards enhanced lithium-sulfur batteries performance. <i>Electrochimica Acta</i> , 2017 , 248, 541-546	6.7	16
91	Interconnected Fe, S, N-Codoped Hollow and Porous Carbon Nanorods as Efficient Electrocatalysts for the Oxygen Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 40298-40306	9.5	35
90	Sugar Blowing-Induced Porous Cobalt Phosphide/Nitrogen-Doped Carbon Nanostructures with Enhanced Electrochemical Oxidation Performance toward Water and Other Small Molecules. <i>Small</i> , 2017 , 13, 1700796	11	49
89	Recent Advances in Electrochemical Immunosensors. <i>Analytical Chemistry</i> , 2017 , 89, 138-156	7.8	188

88	Bimetallic Cobalt-Based Phosphide Zeolitic Imidazolate Framework: CoPx Phase-Dependent Electrical Conductivity and Hydrogen Atom Adsorption Energy for Efficient Overall Water Splitting. <i>Advanced Energy Materials</i> , 2017 , 7, 1601555	21.8	271
87	Electrochemically Controlled Ion-exchange Property of Carbon Nanotubes/Polypyrrole Nanocomposite in Various Electrolyte Solutions. <i>Electroanalysis</i> , 2017 , 29, 929-936	3	12
86	Recent advances in electrochemical biosensors based on graphene two-dimensional nanomaterials. <i>Biosensors and Bioelectronics</i> , 2016 , 76, 195-212	11.8	271
85	Ultrasonic-assisted synthesis of Pd-Pt/carbon nanotubes nanocomposites for enhanced electro-oxidation of ethanol and methanol in alkaline medium. <i>Ultrasonics Sonochemistry</i> , 2016 , 28, 192-198	8.0	70
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