

Wei Chen

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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.

252
papers

23,293
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78
h-index

149
g-index

258
ext. papers

26,477
ext. citations

8.6
avg, IF

7.7
L-index

#	Paper	IF	Citations
252	High-index faceted Ni ₃ S ₂ nanosheet arrays as highly active and ultrastable electrocatalysts for water splitting. <i>Journal of the American Chemical Society</i> , 2015 , 137, 14023-6	16.4	1291
251	Sub-nanometre sized metal clusters: from synthetic challenges to the unique property discoveries. <i>Chemical Society Reviews</i> , 2012 , 41, 3594-623	58.5	879
250	Graphene-supported nanoelectrocatalysts for fuel cells: synthesis, properties, and applications. <i>Chemical Reviews</i> , 2014 , 114, 5117-60	68.1	790
249	Recent advances in electrochemical sensing for hydrogen peroxide: a review. <i>Analyst, The</i> , 2012 , 137, 49-58	5	720
248	Substrate dependent self-organization of mesoporous cobalt oxide nanowires with remarkable pseudocapacitance. <i>Nano Letters</i> , 2012 , 12, 2559-67	11.5	702
247	Nitrogen-doped carbon quantum dots: facile synthesis and application as a "turn-off" fluorescent probe for detection of Hg ²⁺ ions. <i>Biosensors and Bioelectronics</i> , 2014 , 55, 83-90	11.8	653
246	High-performance nanostructured supercapacitors on a sponge. <i>Nano Letters</i> , 2011 , 11, 5165-72	11.5	627
245	One-step electrodeposited nickel cobalt sulfide nanosheet arrays for high-performance asymmetric supercapacitors. <i>ACS Nano</i> , 2014 , 8, 9531-41	16.7	599
244	Graphene wrapped Cu ₂ O nanocubes: non-enzymatic electrochemical sensors for the detection of glucose and hydrogen peroxide with enhanced stability. <i>Biosensors and Bioelectronics</i> , 2013 , 45, 206-12	11.8	597
243	Nanosized Carbon Particles From Natural Gas Soot. <i>Chemistry of Materials</i> , 2009 , 21, 2803-2809	9.6	572
242	Symmetrical MnO ₂ -carbon nanotube-textile nanostructures for wearable pseudocapacitors with high mass loading. <i>ACS Nano</i> , 2011 , 5, 8904-13	16.7	540
241	Synthesis of highly fluorescent nitrogen-doped graphene quantum dots for sensitive, label-free detection of Fe (III) in aqueous media. <i>Biosensors and Bioelectronics</i> , 2014 , 58, 219-25	11.8	450
240	In situ growth of surfactant-free gold nanoparticles on nitrogen-doped graphene quantum dots for electrochemical detection of hydrogen peroxide in biological environments. <i>Analytical Chemistry</i> , 2015 , 87, 1903-10	7.8	445
239	Oxygen electroreduction catalyzed by gold nanoclusters: strong core size effects. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 4386-9	16.4	439
238	One-pot synthesis, photoluminescence, and electrocatalytic properties of subnanometer-sized copper clusters. <i>Journal of the American Chemical Society</i> , 2011 , 133, 2060-3	16.4	367
237	Carbon quantum dot-based nanoprobe for metal ion detection. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 6927-6945	7.1	316
236	In Situ Electrochemical Oxidation Tuning of Transition Metal Disulfides to Oxides for Enhanced Water Oxidation. <i>ACS Central Science</i> , 2015 , 1, 244-51	16.8	314

235	Enhanced Catalytic Performance of Pt-Free Iron Phthalocyanine by Graphene Support for Efficient Oxygen Reduction Reaction. <i>ACS Catalysis</i> , 2013 , 3, 1263-1271	13.1	298
234	PdAg Nanorings Supported on Graphene Nanosheets: Highly Methanol-Tolerant Cathode Electrocatalyst for Alkaline Fuel Cells. <i>Advanced Functional Materials</i> , 2013 , 23, 1289-1296	15.6	264
233	Strongly coupled Pd nanotetrahedron/tungsten oxide nanosheet hybrids with enhanced catalytic activity and stability as oxygen reduction electrocatalysts. <i>Journal of the American Chemical Society</i> , 2014 , 136, 11687-97	16.4	256
232	Peroxidase-like activity of water-soluble cupric oxide nanoparticles and its analytical application for detection of hydrogen peroxide and glucose. <i>Analyst, The</i> , 2012 , 137, 1706-12	5	250
231	One-pot synthesis of carbon nanodots for fluorescence turn-on detection of Ag ⁺ based on the Ag ⁺ -induced enhancement of fluorescence. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 2302-2309	7.1	244
230	Recent advances in graphene-based nanomaterials for fabricating electrochemical hydrogen peroxide sensors. <i>Biosensors and Bioelectronics</i> , 2017 , 89, 249-268	11.8	243
229	Three-dimensional mesoporous graphene aerogel-supported SnO ₂ nanocrystals for high-performance NO ₂ gas sensing at low temperature. <i>Analytical Chemistry</i> , 2015 , 87, 1638-45	7.8	234
228	Composition effects of FePt alloy nanoparticles on the electro-oxidation of formic acid. <i>Langmuir</i> , 2007 , 23, 11303-10	4	224
227	Comparison of the peroxidase-like activity of unmodified, amino-modified, and citrate-capped gold nanoparticles. <i>ChemPhysChem</i> , 2012 , 13, 1199-204	3.2	207
226	In situ growth of porous platinum nanoparticles on graphene oxide for colorimetric detection of cancer cells. <i>Analytical Chemistry</i> , 2014 , 86, 2711-8	7.8	204
225	Nano-PtPd Cubes on Graphene Exhibit Enhanced Activity and Durability in Methanol Electrooxidation after CO Stripping/Cleaning. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 2926-2938	3.8	204
224	Electrocatalytic Reduction of Oxygen by FePt Alloy Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 3891-3898	3.8	201
223	Carbon-supported PdM (M=Au and Sn) nanocatalysts for the electrooxidation of ethanol in high pH media. <i>Journal of Power Sources</i> , 2009 , 187, 298-304	8.9	184
222	Nitrogen-doped graphene quantum dots-based fluorescent probe for the sensitive turn-on detection of glutathione and its cellular imaging. <i>RSC Advances</i> , 2014 , 4, 52583-52589	3.7	179
221	Insight into the design of defect electrocatalysts: From electronic structure to adsorption energy. <i>Materials Today</i> , 2019 , 31, 47-68	21.8	173
220	Stable Cu ⁰ nanocrystals grown on functionalized graphene sheets and room temperature H ₂ gas sensing with ultrahigh sensitivity. <i>Nanoscale</i> , 2013 , 5, 1564-9	7.7	169
219	Application of biomass-derived flexible carbon cloth coated with MnO ₂ nanosheets in supercapacitors. <i>Journal of Power Sources</i> , 2015 , 294, 150-158	8.9	162
218	PdAg Alloy Nanowires: Facile One-Step Synthesis and High Electrocatalytic Activity for Formic Acid Oxidation. <i>ACS Catalysis</i> , 2012 , 2, 84-90	13.1	161

217	The Marriage of the FeN Moiety and MXene Boosts Oxygen Reduction Catalysis: Fe 3d Electron Delocalization Matters. <i>Advanced Materials</i> , 2018 , 30, e1803220	24	157
216	Nanostructured Ternary Electrodes for Energy-Storage Applications. <i>Advanced Energy Materials</i> , 2012 , 2, 381-389	21.8	154
215	Copper nitride nanocubes: size-controlled synthesis and application as cathode catalyst in alkaline fuel cells. <i>Journal of the American Chemical Society</i> , 2011 , 133, 15236-9	16.4	153
214	3D graphene nanomaterials for binder-free supercapacitors: scientific design for enhanced performance. <i>Nanoscale</i> , 2015 , 7, 6957-90	7.7	148
213	Direct Z-scheme 2D/2D MnIn ₂ S ₄ /g-C ₃ N ₄ architectures with highly efficient photocatalytic activities towards treatment of pharmaceutical wastewater and hydrogen evolution. <i>Chemical Engineering Journal</i> , 2019 , 359, 244-253	14.7	142
212	Co ₃ O ₄ nanowires supported on 3D N-doped carbon foam as an electrochemical sensing platform for efficient H ₂ O ₂ detection. <i>Nanoscale</i> , 2014 , 6, 11769-76	7.7	141
211	Size effect of silver nanoclusters on their catalytic activity for oxygen electro-reduction. <i>Journal of Power Sources</i> , 2012 , 197, 107-110	8.9	140
210	Chitosan-stabilized platinum nanoparticles as effective oxidase mimics for colorimetric detection of acid phosphatase. <i>Nanoscale</i> , 2017 , 9, 10292-10300	7.7	138
209	Fluorescent hydrogen peroxide sensor based on cupric oxide nanoparticles and its application for glucose and L-lactate detection. <i>Biosensors and Bioelectronics</i> , 2014 , 61, 374-8	11.8	137
208	Nanoneedle-Covered PdAg Nanotubes: High Electrocatalytic Activity for Formic Acid Oxidation. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 21190-21200	3.8	137
207	Graphene nanosheet-tailored PtPd concave nanocubes with enhanced electrocatalytic activity and durability for methanol oxidation. <i>Nanoscale</i> , 2014 , 6, 3309-15	7.7	132
206	Electro-oxidation of formic acid catalyzed by FePt nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2006 , 8, 2779-86	3.6	130
205	High performance supercapacitors based on three-dimensional ultralight flexible manganese oxide nanosheets/carbon foam composites. <i>Journal of Power Sources</i> , 2014 , 262, 391-400	8.9	127
204	Ultrafine Pt Nanoclusters Confined in a Calixarene-Based {Ni} Coordination Cage for High-Efficient Hydrogen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2016 , 138, 16236-16239	16.4	124
203	Synthesis and characterization of ultrathin WO ₃ nanodisks utilizing long-chain poly(ethylene glycol). <i>Journal of Physical Chemistry B</i> , 2006 , 110, 25288-96	3.4	122
202	PtPd porous nanorods with enhanced electrocatalytic activity and durability for oxygen reduction reaction. <i>Nano Energy</i> , 2013 , 2, 836-844	17.1	121
201	3D Network and 2D Paper of Reduced Graphene Oxide/CuO Composite for Electrochemical Sensing of Hydrogen Peroxide. <i>Analytical Chemistry</i> , 2018 , 90, 1983-1991	7.8	116
200	Green synthesis of silver nanoclusters supported on carbon nanodots: enhanced photoluminescence and high catalytic activity for oxygen reduction reaction. <i>Nanoscale</i> , 2013 , 5, 12558-64	7.7	116

199	Fabrication of SnO ₂ -SnO nanocomposites with p-n heterojunctions for the low-temperature sensing of NO ₂ gas. <i>Nanoscale</i> , 2015 , 7, 12133-42	7.7	115
198	CO gas sensors based on p-type CuO nanotubes and CuO nanocubes: Morphology and surface structure effects on the sensing performance. <i>Talanta</i> , 2018 , 188, 41-49	6.2	112
197	Photochemical deposition of surface-clean silver nanoparticles on nitrogen-doped graphene quantum dots for sensitive colorimetric detection of glutathione. <i>Sensors and Actuators B: Chemical</i> , 2016 , 228, 66-73	8.5	111
196	Enhanced chemiluminescence of the luminol-hydrogen peroxide system by colloidal cupric oxide nanoparticles as peroxidase mimic. <i>Talanta</i> , 2012 , 99, 643-8	6.2	111
195	A cobalt-nitrogen complex on N-doped three-dimensional graphene framework as a highly efficient electrocatalyst for oxygen reduction reaction. <i>Nanoscale</i> , 2014 , 6, 15066-72	7.7	110
194	FeP embedded in N, P dual-doped porous carbon nanosheets: an efficient and durable bifunctional catalyst for oxygen reduction and evolution reactions. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 18723-18729	13.7	108
193	Freestanding 3D mesoporous Co ₃ O ₄ @carbon foam nanostructures for ethanol gas sensing. <i>Analytical Chemistry</i> , 2014 , 86, 7996-8002	7.8	108
192	Ultrathin MnO ₂ nanosheets supported on cellulose based carbon papers for high-power supercapacitors. <i>Journal of Power Sources</i> , 2014 , 246, 754-761	8.9	108
191	Graphene nanosheets-supported Ag nanoparticles for ultrasensitive detection of TNT by surface-enhanced Raman spectroscopy. <i>Biosensors and Bioelectronics</i> , 2013 , 46, 68-73	11.8	104
190	3D porous and ultralight carbon hybrid nanostructure fabricated from carbon foam covered by monolayer of nitrogen-doped carbon nanotubes for high performance supercapacitors. <i>Journal of Power Sources</i> , 2015 , 280, 678-686	8.9	104
189	Electrocatalytic properties of Pt nanowires supported on Pt and W gauzes. <i>ACS Nano</i> , 2008 , 2, 2167-73	16.7	104
188	Fe, Co, N-functionalized carbon nanotubes in situ grown on 3D porous N-doped carbon foams as a noble metal-free catalyst for oxygen reduction. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 3559-3567	13	103
187	Influence of phosphate anion adsorption on the kinetics of oxygen electroreduction on low index Pt(hkl) single crystals. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 12544-55	3.6	99
186	Chemiluminescent cholesterol sensor based on peroxidase-like activity of cupric oxide nanoparticles. <i>Biosensors and Bioelectronics</i> , 2013 , 43, 1-5	11.8	93
185	Copper nanoclusters: Synthesis, characterization and properties. <i>Science Bulletin</i> , 2012 , 57, 41-47		92
184	Iridium-platinum alloy nanoparticles: Composition-dependent electrocatalytic activity for formic acid oxidation. <i>Journal of Materials Chemistry</i> , 2011 , 21, 9169		87
183	Three-dimensional Fe- and N-incorporated carbon structures as peroxidase mimics for fluorescence detection of hydrogen peroxide and glucose. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 4146-4154	7.3	86
182	Facile electrochemical codeposition of clean graphene@Pd nanocomposite as an anode catalyst for formic acid electrooxidation. <i>Electrochemistry Communications</i> , 2012 , 19, 21-24	5.1	86

181	Charge state-dependent catalytic activity of [Au(25)(SC(12)H(25)) ₁₈] nanoclusters for the two-electron reduction of dioxygen to hydrogen peroxide. <i>Chemical Communications</i> , 2014 , 50, 8464-7	5.8	85
180	Electrochemical Sensor Based on Graphene-Supported Tin Oxide Nanoclusters for Nonenzymatic Detection of Hydrogen Peroxide. <i>Electrochimica Acta</i> , 2016 , 210, 181-189	6.7	85
179	Novel blue light emitting graphene oxide nanosheets fabricated by surface functionalization. <i>Journal of Materials Chemistry</i> , 2012 , 22, 2929-2934		83
178	Silver nanorods for oxygen reduction: Strong effects of protecting ligand on the electrocatalytic activity. <i>Journal of Power Sources</i> , 2011 , 196, 3033-3038	8.9	81
177	Highly Conductive Bimetallic NiBe Metal Organic Framework as a Novel Electrocatalyst for Water Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 9743-9749	8.3	79
176	Plasmonic Ag@AgCl nanotubes fabricated from copper nanowires as high-performance visible light photocatalyst. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 14819-26	9.5	78
175	Large-scale electrochemical synthesis of SnO ₂ nanoparticles. <i>Journal of Materials Science</i> , 2008 , 43, 5291-5299	4.5	78
174	Graphene Nanoribbon-Supported PtPd Concave Nanocubes for Electrochemical Detection of TNT with High Sensitivity and Selectivity. <i>Analytical Chemistry</i> , 2015 , 87, 12262-9	7.8	77
173	Alkyne-Protected Ruthenium Nanoparticles \square <i>Journal of Physical Chemistry C</i> , 2010 , 114, 18146-18152	3.8	76
172	Colorimetric detection of iron ions (III) based on the highly sensitive plasmonic response of the N-acetyl-L-cysteine-stabilized silver nanoparticles. <i>Analytica Chimica Acta</i> , 2015 , 879, 118-25	6.6	75
171	High energy density supercapacitors using macroporous kitchen sponges. <i>Journal of Materials Chemistry</i> , 2012 , 22, 14394		75
170	Pyrene-functionalized ruthenium nanoparticles as effective chemosensors for nitroaromatic derivatives. <i>Analytical Chemistry</i> , 2010 , 82, 461-5	7.8	75
169	Non-enzymatic hydrogen peroxide electrochemical sensor based on a three-dimensional MnO ₂ nanosheets/carbon foam composite. <i>RSC Advances</i> , 2014 , 4, 49315-49323	3.7	74
168	2D ultrathin Co ₃ O ₄ nanosheet array deposited on 3D carbon foam for enhanced ethanol gas sensing application. <i>Sensors and Actuators B: Chemical</i> , 2017 , 244, 664-672	8.5	71
167	Sub-nanometer sized Cu ₆ (GSH) ₃ clusters: one-step synthesis and electrochemical detection of glucose. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 4050-4056	7.1	69
166	Naked Pd nanoparticles supported on carbon nanodots as efficient anode catalysts for methanol oxidation in alkaline fuel cells. <i>Journal of Power Sources</i> , 2012 , 204, 85-88	8.9	67
165	One-pot synthesis of heterostructured Pt-Ru nanocrystals for catalytic formic acid oxidation. <i>Chemical Communications</i> , 2011 , 47, 2541-3	5.8	66
164	Langmuir-Blodgett Thin Films of Fe ₂₀ Pt ₈₀ Nanoparticles for the Electrocatalytic Oxidation of Formic Acid. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 13452-13459	3.8	66

163	Small Naked Pt Nanoparticles Confined in Mesoporous Shell of Hollow Carbon Spheres for High-Performance Nonenzymatic Sensing of HO and Glucose. <i>ACS Omega</i> , 2018 , 3, 96-105	3.9	63
162	Carbene-Functionalized Ruthenium Nanoparticles. <i>Chemistry of Materials</i> , 2006 , 18, 5253-5259	9.6	63
161	Oxygen Electroreduction Catalyzed by Gold Nanoclusters: Strong Core Size Effects. <i>Angewandte Chemie</i> , 2009 , 121, 4450-4453	3.6	61
160	Nitrogen and sulfur co-doped graphene nanoribbons: A novel metal-free catalyst for high performance electrochemical detection of 2, 4, 6-trinitrotoluene (TNT). <i>Carbon</i> , 2018 , 126, 328-337	10.4	60
159	Nanoparticle-mediated intervalence transfer. <i>Journal of the American Chemical Society</i> , 2008 , 130, 12156-62	6.2	57
158	Ultrathin PtPdCu Nanowires Fused Porous Architecture with 3D Molecular Accessibility: An Active and Durable Platform for Methanol Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 26333-9	9.5	54
157	High rate-performance supercapacitor based on nitrogen-doped hollow hexagonal carbon nanoprism arrays with ultrathin wall thickness in situ fabricated on carbon cloth. <i>Journal of Power Sources</i> , 2019 , 434, 226701	8.9	53
156	Calixarene-Based {Ni} Coordination Wheel: Highly Efficient Electrocatalyst for the Glucose Oxidation and Template for the Homogenous Cluster Fabrication. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6271-6277	16.4	51
155	Synthesis and reaction temperature-tailored self-assembly of copper sulfide nanoplates. <i>Nanoscale</i> , 2011 , 3, 5096	7.7	51
154	SnO ₂ /Au hybrid nanoparticles as effective catalysts for oxygen electroreduction in alkaline media. <i>Journal of Power Sources</i> , 2010 , 195, 412-418	8.9	51
153	Dithiocarbamate-capped silver nanoparticles. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 19238-42	3.4	50
152	Application of Mass Spectrometry in the Synthesis and Characterization of Metal Nanoclusters. <i>Analytical Chemistry</i> , 2015 , 87, 10659-67	7.8	49
151	Trimetallic MoNiCo selenides nanorod electrocatalysts for highly-efficient and ultra-stable hydrogen evolution. <i>Nano Energy</i> , 2020 , 71, 104637	17.1	49
150	Titanium Nanoparticles Stabilized by Ti-Cl Covalent Bonds. <i>Chemistry of Materials</i> , 2008 , 20, 1248-1250	9.6	49
149	Facile fabrication of stable PdCu clusters uniformly decorated on graphene as an efficient electrocatalyst for formic acid oxidation. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 2731-2740	6.7	49
148	A new strategy for engineering a hierarchical porous carbon-anchored Fe single-atom electrocatalyst and the insights into its bifunctional catalysis for flexible rechargeable Zn-air batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 9981-9990	13	48
147	Pyrene-Functionalized Ruthenium Nanoparticles: Novel Fluorescence Characteristics from Intraparticle Extended Conjugation. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 16988-16995	3.8	48
146	Fe/Ni bimetal organic framework as efficient oxygen evolution catalyst with low overpotential. <i>Journal of Colloid and Interface Science</i> , 2019 , 555, 541-547	9.3	47

145	Non-precious Ir ^{IV} bimetallic nanoclusters assembled on reduced graphene nanosheets as catalysts for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 11457	13	46
144	Transition Metal Selenides for Electrocatalytic Hydrogen Evolution Reaction. <i>ChemElectroChem</i> , 2020 , 7, 31-54	4.3	46
143	Significantly enhanced electrocatalytic activity of Au ₂₅ clusters by single platinum atom doping. <i>Nano Energy</i> , 2018 , 50, 316-322	17.1	46
142	4-Nitrophenol Reduction by a Single Platinum Palladium Nanocube Caged within a Nitrogen-Doped Hollow Carbon Nanosphere. <i>ChemCatChem</i> , 2017 , 9, 980-986	5.2	45
141	Three-dimensionally grown thorn-like Cu nanowire arrays by fully electrochemical nanoengineering for highly enhanced hydrazine oxidation. <i>Nanoscale</i> , 2016 , 8, 5810-4	7.7	43
140	Fabrication of Co ₃ O ₄ nanowires assembled on the surface of hollow carbon spheres for acetone gas sensing. <i>Sensors and Actuators B: Chemical</i> , 2019 , 291, 130-140	8.5	42
139	Fe ₃ C-functionalized 3D nitrogen-doped carbon structures for electrochemical detection of hydrogen peroxide. <i>Science Bulletin</i> , 2015 , 60, 522-531	10.6	42
138	Immobilizing Pd nanoclusters into electronically conductive metal-organic frameworks as bi-functional electrocatalysts for hydrogen evolution and oxygen reduction reactions. <i>Electrochimica Acta</i> , 2019 , 306, 627-634	6.7	41
137	IR Optical Properties of Pt Nanoparticles and Their Agglomerates Investigated by in Situ FTIRS Using CO as the Probe Molecule. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 9808-9812	3.4	41
136	A Cu and Fe dual-atom nanozyme mimicking cytochrome c oxidase to boost the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 16994-17001	13	41
135	Recent developments in copper-based, non-noble metal electrocatalysts for the oxygen reduction reaction. <i>Chinese Journal of Catalysis</i> , 2016 , 37, 1049-1061	11.3	41
134	Single Crystal Sub-Nanometer Sized Cu(SR) Clusters: Structure, Photophysical Properties, and Electrochemical Sensing. <i>Advanced Science</i> , 2016 , 3, 1600126	13.6	40
133	Graphene-based Electrochemical Glucose Sensors: Fabrication and Sensing Properties. <i>Electroanalysis</i> , 2018 , 30, 2504-2524	3	40
132	Highly stable and efficient Pd(SR) cluster catalysts for the hydrogen and oxygen evolution reactions. <i>Chemical Communications</i> , 2017 , 53, 9733-9736	5.8	39
131	5-fold Twinned Nanowires and Single Twinned Right Bipyramids of Pd: Utilizing Small Organic Molecules To Tune the Etching Degree of O ₂ /Halides. <i>Chemistry of Materials</i> , 2014 , 26, 2453-2459	9.6	38
130	Valence States Effect on Electrogenenerated Chemiluminescence of Gold Nanocluster. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 14929-14934	9.5	37
129	Controllable synthesis of six corner star-like Cu ₂ O/PEDOT-MWCNT composites and their performance toward electrochemical glucose sensing. <i>Electrochimica Acta</i> , 2019 , 318, 837-846	6.7	37
128	Graphene Quantum Dots as Fluorescence Probes for Sensing Metal Ions: Synthesis and Applications. <i>Current Organic Chemistry</i> , 2015 , 19, 1150-1162	1.7	37

127	Epitaxial growth of zigzag PtAu alloy surface on Au nano-pentagrams with enhanced Pt utilization and electrocatalytic performance toward ethanol oxidation reaction. <i>Electrochimica Acta</i> , 2017 , 238, 263-268	6.7	36
126	Layer-dependent supercapacitance of graphene films grown by chemical vapor deposition on nickel foam. <i>Journal of Power Sources</i> , 2013 , 225, 251-256	8.9	36
125	Insights into the Mo-Doping Effect on the Electrocatalytic Performance of Hierarchical CoMoS Nanosheet Arrays for Hydrogen Generation and Urea Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 40194-40203	9.5	36
124	Balancing the Micro-Mesoporosity for Activity Maximization of N-Doped Carbonaceous Electrocatalysts for the Oxygen Reduction Reaction. <i>ChemSusChem</i> , 2019 , 12, 1017-1025	8.3	36
123	Cu ₂ O Microspheres Supported on Sulfur-Doped Carbon Nanotubes for Glucose Sensing. <i>ACS Applied Nano Materials</i> , 2020 , 3, 4788-4798	5.6	35
122	PtNi Nanocrystals Supported on Hollow Carbon Spheres: Enhancing the Electrocatalytic Performance through High-Temperature Annealing and Electrochemical CO Stripping Treatments. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 29623-29632	9.5	34
121	Engineering Two-Dimensional Pd Nanoplates with Exposed Highly Active {100} Facets Toward Colorimetric Acid Phosphatase Detection. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 47564-47570	9.5	34
120	Deep eutectic solvent-assisted synthesis of highly efficient PtCu alloy nanoclusters on carbon nanotubes for methanol oxidation reaction. <i>Electrochimica Acta</i> , 2019 , 322, 134677	6.7	33
119	Carbon-based catalysts by structural manipulation with iron for oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 8405-8412	13	33
118	Hierarchical Cu@MnO ₂ Core-Shell Nanowires: A Nonprecious-Metal Catalyst with an Excellent Catalytic Activity Toward the Reduction of 4-Nitrophenol. <i>ChemCatChem</i> , 2016 , 8, 2885-2889	5.2	33
117	Enhanced electrocatalytic oxidation of formic acid by platinum deposition on ruthenium nanoparticle surfaces. <i>Journal of Electroanalytical Chemistry</i> , 2009 , 631, 36-42	4.1	33
116	A novel strategy for synthesizing Fe, N, and S tridoped graphene-supported Pt nanodendrites toward highly efficient methanol oxidation. <i>Journal of Catalysis</i> , 2020 , 381, 275-284	7.3	33
115	High-performance supercapacitor fabricated from 3D free-standing hierarchical carbon foam-supported two dimensional porous thin carbon nanosheets. <i>Electrochimica Acta</i> , 2018 , 290, 98-108	6.7	33
114	Fabrication of hollow pompon-like Co ₃ O ₄ nanostructures with rich defects and high-index facet exposure for enhanced oxygen evolution catalysis. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 9059-9067	13	32
113	Recent advances in one-dimensional nanostructures for energy electrocatalysis. <i>Chinese Journal of Catalysis</i> , 2019 , 40, 4-22	11.3	31
112	Design and Synthesis of Highly Performing Bifunctional Ni-NiO-MoNi Hybrid Catalysts for Enhanced Urea Oxidation and Hydrogen Evolution Reactions. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 7174-7181	8.3	29
111	Strongly coupled carbon encapsulated Ni-WO ₂ hybrids as efficient catalysts for water-to-hydrogen conversion via urea electro-oxidation. <i>Journal of Power Sources</i> , 2020 , 458, 228014	8.9	29
110	High-efficiency bifunctional electrocatalyst based on 3D freestanding Cu foam in situ armored CoNi alloy nanosheet arrays for overall water splitting. <i>Journal of Power Sources</i> , 2019 , 427, 184-193	8.9	28

109	Al/C/MnO ₂ sandwich nanowalls with highly porous surface for electrochemical energy storage. <i>Journal of Power Sources</i> , 2015 , 299, 408-416	8.9	27
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