# Wei Chen

## List of Publications by Year in Descending Order



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| 252 papers | 23,293 citations | 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 | Detection of Fe and Hg ions through photoluminescence quenching of carbon dots derived from urea and bitter tea oil residue.. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2022**, 272, 120963 | 4.4 | 1 |
| 251 | Carbon-encapsulated Co3V decorated Co2VO4 nanosheets for enhanced urea oxidation and hydrogen evolution reaction. *Electrochimica Acta*, **2022**, 407, 139882 | 6.7 | 1 |
| 250 | Zn2+ induced self-assembled fabrication of marigold-like ZnO microflower@Ni(OH)2 three-dimensional nanosheets for nonenzymatic glucose sensing. *Electrochimica Acta*, **2022**, 140040 | 6.7 | 2 |
| 249 | Interface hydrophobic tunnel engineering: A general strategy to boost electrochemical conversion of N2 to NH3. *Nano Energy*, **2022**, 92, 106784 | 17.1 | 5 |
| 248 | Construction of NiCo2S4/Fe2O3 hybrid nanostructure as a highly efficient electrocatalyst for the oxygen evolution reaction. *Electrochimica Acta*, **2022**, 405, 139793 | 6.7 | 3 |
| 247 | W-doping induced abundant active sites in a 3D NiS2/MoO2 heterostructure as an efficient electrocatalyst for urea oxidation and hydrogen evolution reaction. *Chemical Engineering Journal*, **2022**, 432, 134274 | 14.7 | 4 |
| 246 | Metastable five-fold twinned Ru incorporated Cu nanosheets with Pt-like hydrogen evolution kinetics. *Chemical Engineering Journal*, **2022**, 428, 131099 | 14.7 | 1 |
| 245 | A novel high-energy-density lithium-free anode dual-ion battery and revealing the interface structure evolution.. *Chemical Science*, **2022**, 13, 4058-4069 | 9.4 | 0 |
| 244 | Organic-Phase Synthesis of Blue Emission Copper Nanoparticles for Light-Emitting Diodes. *ACS Applied Nano Materials*, **2022**, 5, 3967-3972 | 5.6 | 0 |
| 243 | Activated Ni-OH Bond in Catalyst Facilitates Nucleophile Oxidation Reaction.. *Advanced Materials*, **2022**, e2105320 | 24 | 3 |
| 242 | Highly porous nanostructures: Rational fabrication and promising application in energy electrocatalysis. *Coordination Chemistry Reviews*, **2022**, 466, 214604 | 23.2 | 5 |
| 241 | Surface and interface engineering of hollow carbon sphere-based electrocatalysts for the oxygen reduction reaction. *Journal of Materials Chemistry A*, **2021**, 9, 25706-25730 | 13 | 1 |
| 240 | In situ fabrication of niobium pentoxide/graphitic carbon nitride type-II heterojunctions for enhanced photocatalytic hydrogen evolution reaction. *Journal of Colloid and Interface Science*, **2021**, 608, 1951-1959 | 9.3 | 5 |
| 239 | Engineering the Coordination Environment of Single Cobalt Atoms for Efficient Oxygen Reduction and Hydrogen Evolution Reactions. *ACS Catalysis*, **2021**, 11, 4498-4509 | 13.1 | 25 |
| 238 | Pd-Doping-Induced Oxygen Vacancies in One-Dimensional Tungsten Oxide Nanowires for Enhanced Acetone Gas Sensing. *Analytical Chemistry*, **2021**, 93, 7465-7472 | 7.8 | 12 |
| 237 | W-Doped MoP Nanospheres as Electrocatalysts for pH-Universal Hydrogen Evolution Reaction. *ACS Applied Nano Materials*, **2021**, 4, 5992-6001 | 5.6 | 4 |
| 236 | Interfacial heterojunction construction by introducing Pd into WO nanowires to promote the visible light-driven photocatalytic degradation of environmental organic pollutants. *Journal of Colloid and Interface Science*, **2021**, 590, 518-526 | 9.3 | 6 |

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| 235 | A dual ligand coordination strategy for synthesizing drum-like Co, N co-doped porous carbon electrocatalyst towards superior oxygen reduction and zinc-air batteries. *International Journal of Hydrogen Energy*, **2021**, | 6.7 | 5 |
| 234 | In-Sn alloy core-shell nanoparticles: In-doped SnOx shell enables high stability and activity towards selective formate production from electrochemical reduction of CO2. *Applied Catalysis B: Environmental*, **2021**, 288, 119979 | 21.8 | 25 |
| 233 | Electrochemical reduction of SnO2 to Sn from the Bottom: In-Situ formation of SnO2/Sn heterostructure for highly efficient electrochemical reduction of carbon dioxide to formate. *Journal of Catalysis*, **2021**, 399, 67-74 | 7.3 | 13 |
| 232 | PEDOT functionalized ZIF-67 derived Co-N-S triple-doped porous carbon for high-efficiency oxygen reduction. *Applied Surface Science*, **2021**, 535, 147659 | 6.7 | 10 |
| 231 | Recent advances in formic acid electro-oxidation: from the fundamental mechanism to electrocatalysts. *Nanoscale Advances*, **2021**, 3, 94-105 | 5.1 | 18 |
| 230 | Pt21(C4O4SH5)21 clusters: atomically precise synthesis and enhanced electrocatalytic activity for hydrogen generation. *Electrochimica Acta*, **2021**, 368, 137608 | 6.7 | 8 |
| 229 | 4.8 nm Concave {M72} (M=Co, Ni, Fe) metal-organic polyhedra capped by 18 calixarenes. *Science China Chemistry*, **2021**, 64, 426-431 | 7.9 | 7 |
| 228 | Application of functionalized graphene in Li-O batteries. *Nanotechnology*, **2021**, 32, 132003 | 3.4 | 7 |
| 227 | Rapid Fabrication of Superhydrophilic Micro/Nanostructured Nickel Foam Toward High-Performance Glucose Sensor. *Advanced Materials Interfaces*, **2021**, 8, 2002133 | 4.6 | 21 |
| 226 | New strategy of S,N co-doping of conductive-copolymer-derived carbon nanotubes to effectively improve the dispersion of PtCu nanocrystals for boosting the electrocatalytic oxidation of methanol. *Chinese Journal of Catalysis*, **2021**, 42, 1205-1215 | 11.3 | 5 |
| 225 | Co nanoparticles and ZnS decorated N, S co-doped carbon nanotubes as an efficient oxygen reduction catalyst in zinc-air batteries. *International Journal of Hydrogen Energy*, **2021**, 46, 30090-30100 | 6.7 | 2 |
| 224 | Homogeneous Distribution of Pt(COSH) Clusters in ZIF-67 for Efficient Hydrogen Generation and Oxygen Reduction. *ACS Applied Materials & Interfaces*, **2021**, 13, 38170-38178 | 9.5 | 2 |
| 223 | Porous Carbon Substrate Improving the Sensing Performance of Copper Nanoparticles Toward Glucose. *Nanoscale Research Letters*, **2021**, 16, 127 | 5 | 1 |
| 222 | Core-shell Au@PtIr nanowires with dendritic alloy shells as efficient bifunctional catalysts toward methanol oxidation and hydrogen evolution reactions. *International Journal of Hydrogen Energy*, **2021**, 46, 36771-36771 | 6.7 | 2 |
| 221 | Bidirectional controlling synthesis of branched PdCu nanoalloys for efficient and robust formic acid oxidation electrocatalysis. *Journal of Colloid and Interface Science*, **2021**, 600, 503-512 | 9.3 | 5 |
| 220 | Silver-enhanced fluorescence of bimetallic Au/Ag nanoclusters as ultrasensitive sensing probe for the detection of folic acid. *Talanta*, **2021**, 233, 122469 | 6.2 | 7 |
| 219 | Interfacial hetero-phase construction in nickel/molybdenum selenide hybrids to promote the water splitting performance. *Applied Materials Today*, **2021**, 25, 101175 | 6.6 | 0 |
| 218 | "Turn-off" sensing probe based on fluorescent gold nanoclusters for the sensitive detection of hemin. *Analytical and Bioanalytical Chemistry*, **2021**, 413, 1639-1649 | 4.4 | 0 |

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| 217 | Anion-Directed Assembly of Nickel-Calixarene Complexes: Constructing Isolated {Ni8}, {Ni20}, {Ni24}, and {Ni32} Clusters. *Crystal Growth and Design*, **2020**, 20, 4164-4168 | 3.5 | 4 |
| 216 | Insights into the morphology and composition effects of one-dimensional CuPt nanostructures on the electrocatalytic activities and methanol oxidation mechanism by in situ FTIR. *Nanoscale*, **2020**, 12, 13688-13696 | 7.7 | 10 |
| 215 | Quantifying intrinsic kinetics of electrochemical reaction controlled by mass transfer of multiple species under rotating disk electrode configuration. *Journal of Electroanalytical Chemistry*, **2020**, 872, 114042 | 4.1 | 11 |
| 214 | Solid-state thiolate-stabilized copper nanoclusters with ultrahigh photoluminescence quantum yield for white light-emitting devices. *Nanoscale*, **2020**, 12, 15791-15799 | 7.7 | 12 |
| 213 | Fabrication of redox-active polyoxometalate-based ionic crystals onto single-walled carbon nanotubes as high-performance anode materials for lithium-ion batteries. *Inorganic Chemistry Frontiers*, **2020**, 7, 1420-1427 | 6.8 | 8 |
| 212 | Trimetallic MoNiCo selenides nanorod electrocatalysts for highly-efficient and ultra-stable hydrogen evolution. *Nano Energy*, **2020**, 71, 104637 | 17.1 | 49 |
| 211 | 6-Aza-2-Thio-Thymine Stabilized Gold Nanoclusters as Photoluminescent Probe for Protein Detection. *Nanomaterials*, **2020**, 10, | 5.4 | 5 |
| 210 | Embedding tetrahedral 3d transition metal TM clusters into the cavity of two-dimensional graphdiyne to construct highly efficient and nonprecious electrocatalysts for hydrogen evolution reaction. *Physical Chemistry Chemical Physics*, **2020**, 22, 3254-3263 | 3.6 | 9 |
| 209 | Sulfonated cobalt phthalocyanine-derived Co-N-S tridoped carbon nanotubes as platinum catalyst supports for highly efficient methanol electrooxidation. *Applied Surface Science*, **2020**, 511, 145519 | 6.7 | 7 |
| 208 | Template-free synthesis of platinum hollow-opened structures in deep-eutectic solvents and their enhanced performance for methanol electrooxidation. *Electrochimica Acta*, **2020**, 337, 135742 | 6.7 | 14 |
| 207 | Design and facile one-pot synthesis of uniform PdAg cubic nanocages as efficient electrocatalyst for the oxygen reduction reaction. *International Journal of Hydrogen Energy*, **2020**, 45, 6437-6446 | 6.7 | 6 |
| 206 | Cu2O Microspheres Supported on Sulfur-Doped Carbon Nanotubes for Glucose Sensing. *ACS Applied Nano Materials*, **2020**, 3, 4788-4798 | 5.6 | 35 |
| 205 | Design and Synthesis of Highly Performing Bifunctional Ni-NiO-MoNi Hybrid Catalysts for Enhanced Urea Oxidation and Hydrogen Evolution Reactions. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 7174-7181 | 8.3 | 29 |
| 204 | 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. *Journal of Materials Chemistry A*, **2020**, 8, 9981-9990 | 13 | 48 |
| 203 | Three-dimensional self-supporting NiFe-X (X = OH, O, P) nanosheet arrays for high-efficiency overall water splitting. *2D Materials*, **2020**, 7, 035016 | 5.9 | 8 |
| 202 | Nickel Catalysts Supported on Acetylene Black for High-Efficient Electrochemical Oxidation and Sensitive Detection of Glucose. *Nanoscale Research Letters*, **2020**, 15, 23 | 5 | 2 |
| 201 | Engineering of CoSe Nanosheets via Vacancy Manipulation for Efficient Cancer Therapy.. *ACS Applied Bio Materials*, **2020**, 3, 7800-7809 | 4.1 | 3 |
| 200 | Fine platinum nanoparticles supported on polyindole-derived nitrogen-doped carbon nanotubes for efficiently catalyzing methanol electrooxidation. *Applied Surface Science*, **2020**, 501, 144260 | 6.7 | 19 |

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| 199 | One-step rapid synthesis of Ni(CHS) nanoclusters for electrochemical sensing of ascorbic acid. *Analyst, The*, **2020**, 145, 2621-2630 | 5 | 5 |
| 198 | Advanced Electrocatalysts Based on Metal-Organic Frameworks. *ACS Omega*, **2020**, 5, 2495-2502 | 3.9 | 25 |
| 197 | In Situ Anchoring of Zeolite Imidazole Framework-Derived Co, N-Doped Porous Carbon on Multiwalled Carbon Nanotubes toward Efficient Electrocatalytic Oxygen Reduction. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 478-485 | 8.3 | 24 |
| 196 | A novel strategy for synthesizing Fe, N, and S tridoped graphene-supported Pt nanodendrites toward highly efficient methanol oxidation. *Journal of Catalysis*, **2020**, 381, 275-284 | 7.3 | 33 |
| 195 | Transition Metal Selenides for Electrocatalytic Hydrogen Evolution Reaction. *ChemElectroChem*, **2020**, 7, 31-54 | 4.3 | 46 |
| 194 | Fluorescent gold nanocluster-based sensor for detection of alkaline phosphatase in human osteosarcoma cells. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2020**, 229, 117875 | 4.4 | 12 |
| 193 | Platinum nanoparticles anchored on aminated silica@PEDOT-PSS hybrid for enhanced methanol oxidation electrocatalysis. *International Journal of Hydrogen Energy*, **2020**, 45, 30473-30483 | 6.7 | 6 |
| 192 | Worm-like Pt nanoparticles anchored on graphene with S, N co-doping and Fe3O4 functionalization for boosting the electrooxidation of methanol. *International Journal of Hydrogen Energy*, **2020**, 45, 22929-22937 | 6.7 | 6 |
| 191 | A Cu and Fe dual-atom nanozyme mimicking cytochrome c oxidase to boost the oxygen reduction reaction. *Journal of Materials Chemistry A*, **2020**, 8, 16994-17001 | 13 | 41 |
| 190 | Oxygen vacancy confined nickel cobaltite nanostructures as an excellent interface for the enzyme-free electrochemical sensing of extracellular H2O2 secreted from live cells. *New Journal of Chemistry*, **2020**, 44, 14050-14059 | 3.6 | 10 |
| 189 | Insights into the Mo-Doping Effect on the Electrocatalytic Performance of Hierarchical CoMoS Nanosheet Arrays for Hydrogen Generation and Urea Oxidation. *ACS Applied Materials & Interfaces*, **2020**, 12, 40194-40203 | 9.5 | 36 |
| 188 | Strongly coupled carbon encapsulated Ni-WO2 hybrids as efficient catalysts for water-to-hydrogen conversion via urea electro-oxidation. *Journal of Power Sources*, **2020**, 458, 228014 | 8.9 | 29 |
| 187 | Fabrication of Non-enzymatic Electrochemical Glucose Sensor Based on PdMn Alloy Nanoparticles Supported on Reduced Graphene Oxide. *Electroanalysis*, **2020**, 32, 1226-1236 | 3 | 12 |
| 186 | Deep eutectic solvent-assisted synthesis of highly efficient PtCu alloy nanoclusters on carbon nanotubes for methanol oxidation reaction. *Electrochimica Acta*, **2019**, 322, 134677 | 6.7 | 33 |
| 185 | One-Step Rapid and Facile Synthesis of Subnanometer-Sized Pd6(C12H25S)11 Clusters with Ultra-High Catalytic Activity for 4-Nitrophenol Reduction. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 2916-2923 | 8.3 | 18 |
| 184 | High rate-performance supercapacitor based on nitrogen-doped hollow hexagonal carbon nanoprism arrays with ultrathin wall thickness in situ fabricated on carbon cloth. *Journal of Power Sources*, **2019**, 434, 226701 | 8.9 | 53 |
| 183 | Controllable synthesis of six corner star-like Cu2O/PEDOT-MWCNT composites and their performance toward electrochemical glucose sensing. *Electrochimica Acta*, **2019**, 318, 837-846 | 6.7 | 37 |
| 182 | Target-triggered inhibiting oxidase-mimicking activity of platinum nanoparticles for ultrasensitive colorimetric detection of silver ion. *Chinese Chemical Letters*, **2019**, 30, 1659-1662 | 8.1 | 22 |

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| 181 | High-efficiency bifunctional electrocatalyst based on 3D freestanding Cu foam in situ armored CoNi alloy nanosheet arrays for overall water splitting. *Journal of Power Sources*, **2019**, 427, 184-193 | 8.9 | 28 |
| 180 | Insight into the design of defect electrocatalysts: From electronic structure to adsorption energy. *Materials Today*, **2019**, 31, 47-68 | 21.8 | 173 |
| 179 | Highly Conductive Bimetallic NiFe Metal Organic Framework as a Novel Electrocatalyst for Water Oxidation. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 9743-9749 | 8.3 | 79 |
| 178 | Recent advances in electrochemical sensors for the detection of 2, 4, 6-trinitrotoluene. *Current Opinion in Electrochemistry*, **2019**, 17, 16-22 | 7.2 | 5 |
| 177 | Self-limiting synthesis of AuPd core□shell nanocrystals with a near surface alloy and monolayer Pd shell structure and their superior catalytic activity on the conversion of hexavalent chromium. *Applied Catalysis B: Environmental*, **2019**, 253, 263-270 | 21.8 | 24 |
| 176 | Fabrication of Co3O4 nanowires assembled on the surface of hollow carbon spheres for acetone gas sensing. *Sensors and Actuators B: Chemical*, **2019**, 291, 130-140 | 8.5 | 42 |
| 175 | Immobilizing Pd nanoclusters into electronically conductive metal-organic frameworks as bi-functional electrocatalysts for hydrogen evolution and oxygen reduction reactions. *Electrochimica Acta*, **2019**, 306, 627-634 | 6.7 | 41 |
| 174 | Fabrication of hollow pompon-like Co3O4 nanostructures with rich defects and high-index facet exposure for enhanced oxygen evolution catalysis. *Journal of Materials Chemistry A*, **2019**, 7, 9059-9067 | 13 | 32 |
| 173 | Trimetallic Au@PdPt core-shell nanoparticles with ultrathin PdPt skin as highly stable electrocatalysts for the oxygen reduction reaction in acid solution. *Science China Chemistry*, **2019**, 62, 378-384 | 7.9 | 10 |
| 172 | Surface Engineering of Two-Dimensional Materials. *ChemNanoMat*, **2019**, 5, 6-23 | 3.5 | 15 |
| 171 | Novel one-step synthesis of core@shell iron□nickel alloy nanoparticles coated by carbon layers for efficient oxygen evolution reaction electrocatalysis. *Journal of Power Sources*, **2019**, 438, 226988 | 8.9 | 26 |
| 170 | Fe/Ni bimetal organic framework as efficient oxygen evolution catalyst with low overpotential. *Journal of Colloid and Interface Science*, **2019**, 555, 541-547 | 9.3 | 47 |
| 169 | One-step synthesis in deep eutectic solvents of PtV alloy nanonetworks on carbon nanotubes with enhanced methanol electrooxidation performance. *International Journal of Hydrogen Energy*, **2019**, 44, 28709-28719 | 6.7 | 15 |
| 168 | Three-Dimensional Graphene Materials: Synthesis and Applications in Electrocatalysts and Electrochemical Sensors **2019**, 93-145 | | |
| 167 | Engineering Two-Dimensional Pd Nanoplates with Exposed Highly Active {100} Facets Toward Colorimetric Acid Phosphatase Detection. *ACS Applied Materials & Interfaces*, **2019**, 11, 47564-47570 | 9.5 | 34 |
| 166 | Achieving 59% faradaic efficiency of the N electroreduction reaction in an aqueous Zn-N battery by facilely regulating the surface mass transport on metallic copper. *Chemical Communications*, **2019**, 55, 12801-12804 | 5.8 | 20 |
| 165 | Balancing the Micro-Mesoporosity for Activity Maximization of N-Doped Carbonaceous Electrocatalysts for the Oxygen Reduction Reaction. *ChemSusChem*, **2019**, 12, 1017-1025 | 8.3 | 36 |
| 164 | Recent advances in one-dimensional nanostructures for energy electrocatalysis. *Chinese Journal of Catalysis*, **2019**, 40, 4-22 | 11.3 | 31 |

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| 163 | Direct Z-scheme 2D/2D MnIn2S4/g-C3N4 architectures with highly efficient photocatalytic activities towards treatment of pharmaceutical wastewater and hydrogen evolution. *Chemical Engineering Journal*, **2019**, 359, 244-253 | 14.7 | 142 |
| 162 | Strong Electron Coupling from the Sub-Nanometer Pd Clusters Confined in Porous Ceria Nanorods for Highly Efficient Electrochemical Hydrogen Evolution Reaction. *ACS Applied Energy Materials*, **2019**, 2, 966-973 | 6.1 | 20 |
| 161 | Probing complex eletrocatalytic reactions using electrochemical infrared spectroscopy. *Current Opinion in Electrochemistry*, **2019**, 14, 113-123 | 7.2 | 9 |
| 160 | Facile fabrication of stable PdCu clusters uniformly decorated on graphene as an efficient electrocatalyst for formic acid oxidation. *International Journal of Hydrogen Energy*, **2019**, 44, 2731-2740 | 6.7 | 49 |
| 159 | Ultra-low loading of Pd nanoclusters on carbon nanotubes as bifunctional electrocatalysts for the oxygen reduction reaction and the ethanol oxidation reaction. *Journal of Colloid and Interface Science*, **2019**, 538, 699-708 | 9.3 | 14 |
| 158 | Bimetal- and nitrogen-codoped spherical porous carbon with efficient catalytic performance towards oxygen reduction reaction in alkaline media. *Journal of Colloid and Interface Science*, **2019**, 534, 655-664 | 9.3 | 21 |
| 157 | Carbon-based catalysts by structural manipulation with iron for oxygen reduction reaction. *Journal of Materials Chemistry A*, **2018**, 6, 8405-8412 | 13 | 33 |
| 156 | Metal organic framework for the fabrication of mutually interacted Pt CeO2C ternary nanostructure: advanced electrocatalyst for oxygen reduction reaction. *Electrochimica Acta*, **2018**, 266, 348-356 | 6.7 | 23 |
| 155 | 3D Network and 2D Paper of Reduced Graphene Oxide/CuO Composite for Electrochemical Sensing of Hydrogen Peroxide. *Analytical Chemistry*, **2018**, 90, 1983-1991 | 7.8 | 116 |
| 154 | Small Naked Pt Nanoparticles Confined in Mesoporous Shell of Hollow Carbon Spheres for High-Performance Nonenzymatic Sensing of HO and Glucose. *ACS Omega*, **2018**, 3, 96-105 | 3.9 | 63 |
| 153 | Calixarene-Based {Ni} Coordination Wheel: Highly Efficient Electrocatalyst for the Glucose Oxidation and Template for the Homogenous Cluster Fabrication. *Journal of the American Chemical Society*, **2018**, 140, 6271-6277 | 16.4 | 51 |
| 152 | Nitrogen and Phosphorus Co-doped Hollow Carbon Spheres as Efficient Metal-Free Electrocatalysts for the Oxygen Reduction Reaction. *ChemElectroChem*, **2018**, 5, 1891-1898 | 4.3 | 27 |
| 151 | Nitrogen and sulfur co-doped graphene nanoribbons: A novel metal-free catalyst for high performance electrochemical detection of 2, 4, 6-trinitrotoluene (TNT). *Carbon*, **2018**, 126, 328-337 | 10.4 | 60 |
| 150 | Novel Nanomaterials as Electrocatalysts for Fuel Cells **2018**, 169-204 | | 2 |
| 149 | The high Tafel slope and small potential dependence of activation energy for formic acid oxidation on a Pd electrode. *Electrochimica Acta*, **2018**, 283, 1213-1222 | 6.7 | 17 |
| 148 | Self-Assembly of Ag6 Clusters into Nanowires for Nonenzymatic Electrochemical Sensing of Glucose. *Particle and Particle Systems Characterization*, **2018**, 35, 1800040 | 3.1 | 11 |
| 147 | A simple and sensitive fluorescent assay for hemin detection based on artemisinin-thiamine. *Sensors and Actuators B: Chemical*, **2018**, 273, 198-203 | 8.5 | 9 |
| 146 | Graphene-based Electrochemical Glucose Sensors: Fabrication and Sensing Properties. *Electroanalysis*, **2018**, 30, 2504-2524 | 3 | 40 |

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| 145 | Ethanol Gas Sensor Based on Fe 2 O 3 Nanoparticles Working at Room Temperature with High Sensitivity. *Chinese Journal of Analytical Chemistry*, **2018**, 46, e1854-e1862 | 1.6 | 14 |
| 144 | The Marriage of the FeN Moiety and MXene Boosts Oxygen Reduction Catalysis: Fe 3d Electron Delocalization Matters. *Advanced Materials*, **2018**, 30, e1803220 | 24 | 157 |
| 143 | High-performance supercapacitor fabricated from 3D free-standing hierarchical carbon foam-supported two dimensional porous thin carbon nanosheets. *Electrochimica Acta*, **2018**, 290, 98-108 | 6.7 | 33 |
| 142 | Significantly enhanced electrocatalytic activity of Au25 clusters by single platinum atom doping. *Nano Energy*, **2018**, 50, 316-322 | 17.1 | 46 |
| 141 | CO gas sensors based on p-type CuO nanotubes and CuO nanocubes: Morphology and surface structure effects on the sensing performance. *Talanta*, **2018**, 188, 41-49 | 6.2 | 112 |
| 140 | Recent advances in graphene-based nanomaterials for fabricating electrochemical hydrogen peroxide sensors. *Biosensors and Bioelectronics*, **2017**, 89, 249-268 | 11.8 | 243 |
| 139 | 2D ultrathin Co3O4 nanosheet array deposited on 3D carbon foam for enhanced ethanol gas sensing application. *Sensors and Actuators B: Chemical*, **2017**, 244, 664-672 | 8.5 | 71 |
| 138 | Epitaxial growth of zigzag PtAu alloy surface on Au nano-pentagrams with enhanced Pt utilization and electrocatalytic performance toward ethanol oxidation reaction. *Electrochimica Acta*, **2017**, 238, 263-268 | 6.7 | 36 |
| 137 | Valence States Effect on Electrogenerated Chemiluminescence of Gold Nanocluster. *ACS Applied Materials & Interfaces*, **2017**, 9, 14929-14934 | 9.5 | 37 |
| 136 | 4-Nitrophenol Reduction by a Single Platinum Palladium Nanocube Caged within a Nitrogen-Doped Hollow Carbon Nanosphere. *ChemCatChem*, **2017**, 9, 980-986 | 5.2 | 45 |
| 135 | Chitosan-stabilized platinum nanoparticles as effective oxidase mimics for colorimetric detection of acid phosphatase. *Nanoscale*, **2017**, 9, 10292-10300 | 7.7 | 138 |
| 134 | Role of Catalyst Supports: Graphene Based Novel Electrocatalysts **2017**, 241-266 | | |
| 133 | Oxygen Electroreduction by Single PtPd Nanocubes Encaged in Hollow Carbon Nanospheres: Improved Durability and Strong Effect of Carbon-Shell Thickness. *Particle and Particle Systems Characterization*, **2017**, 34, 1700034 | 3.1 | 15 |
| 132 | PtNi Nanocrystals Supported on Hollow Carbon Spheres: Enhancing the Electrocatalytic Performance through High-Temperature Annealing and Electrochemical CO Stripping Treatments. *ACS Applied Materials & Interfaces*, **2017**, 9, 29623-29632 | 9.5 | 34 |
| 131 | Novel Au Catalysis Strategy for the Synthesis of Au@Pt Core-Shell Nanoelectrocatalyst with Self-Controlled Quasi-Monolayer Pt Skin. *ACS Applied Materials & Interfaces*, **2017**, 9, 32688-32697 | 9.5 | 18 |
| 130 | Highly stable and efficient Pd(SR) cluster catalysts for the hydrogen and oxygen evolution reactions. *Chemical Communications*, **2017**, 53, 9733-9736 | 5.8 | 39 |
| 129 | Ternary PtPdTe Nanowires Winded Around 3D Free-Standing Carbon Foam as Electrocatalysts for Oxygen Reduction Reaction. *Electrochimica Acta*, **2017**, 247, 426-434 | 6.7 | 20 |
| 128 | Catalysis-reduction strategy for sensing inorganic and organic mercury based on gold nanoparticles. *Biosensors and Bioelectronics*, **2017**, 92, 328-334 | 11.8 | 23 |

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| 127 | Hierarchical Cu@MnO2 Core‐Shell Nanowires: A Nonprecious-Metal Catalyst with an Excellent Catalytic Activity Toward the Reduction of 4-Nitrophenol. *ChemCatChem*, **2016**, 8, 2885-2889 | 5.2 | 33 |
| 126 | Single Crystal Sub-Nanometer Sized Cu(SR) Clusters: Structure, Photophysical Properties, and Electrochemical Sensing. *Advanced Science*, **2016**, 3, 1600126 | 13.6 | 40 |
| 125 | FeP embedded in N, P dual-doped porous carbon nanosheets: an efficient and durable bifunctional catalyst for oxygen reduction and evolution reactions. *Journal of Materials Chemistry A*, **2016**, 4, 18723-18729 | 13 | 108 |
| 124 | Highly defective graphite for scalable synthesis of nitrogen doped holey graphene with high volumetric capacitance. *Journal of Power Sources*, **2016**, 334, 104-111 | 8.9 | 26 |
| 123 | Highly Active and Durable PdAg@Pd Core‐Shell Nanoparticles as Fuel-Cell Electrocatalysts for the Oxygen Reduction Reaction. *Particle and Particle Systems Characterization*, **2016**, 33, 560-568 | 3.1 | 21 |
| 122 | Carbon quantum dot-based nanoprobes for metal ion detection. *Journal of Materials Chemistry C*, **2016**, 4, 6927-6945 | 7.1 | 316 |
| 121 | Photochemical deposition of surface-clean silver nanoparticles on nitrogen-doped graphene quantum dots for sensitive colorimetric detection of glutathione. *Sensors and Actuators B: Chemical* , **2016**, 228, 66-73 | 8.5 | 111 |
| 120 | Three-dimensionally grown thorn-like Cu nanowire arrays by fully electrochemical nanoengineering for highly enhanced hydrazine oxidation. *Nanoscale*, **2016**, 8, 5810-4 | 7.7 | 43 |
| 119 | Synthesis and Electrocatalysis of Pt-Pd Bimetallic Nanocrystals for Fuel Cells. *Nanostructure Science and Technology*, **2016**, 169-223 | 0.9 | |
| 118 | Copper Nanoclusters on Carbon Supports for the Electrochemical Oxidation and Detection of Hydrazine. *ChemElectroChem*, **2016**, 3, 1266-1272 | 4.3 | 23 |
| 117 | Ultrafine Pt Nanoclusters Confined in a Calixarene-Based {Ni} Coordination Cage for High-Efficient Hydrogen Evolution Reaction. *Journal of the American Chemical Society*, **2016**, 138, 16236-16239 | 16.4 | 124 |
| 116 | Free-Standing 3D Hierarchical Carbon Foam-Supported PtCo Nanowires with Pt Skin as Advanced Electrocatalysts. *Electrochimica Acta*, **2016**, 199, 218-226 | 6.7 | 27 |
| 115 | Novel Pd13Cu3S7 nanotubes with high electrocatalytic activity towards both oxygen reduction and ethanol oxidation reactions. *CrystEngComm*, **2016**, 18, 6055-6061 | 3.3 | 10 |
| 114 | Electrochemical Sensor Based on Graphene-Supported Tin Oxide Nanoclusters for Nonenzymatic Detection of Hydrogen Peroxide. *Electrochimica Acta*, **2016**, 210, 181-189 | 6.7 | 85 |
| 113 | Recent developments in copper-based, non-noble metal electrocatalysts for the oxygen reduction reaction. *Chinese Journal of Catalysis*, **2016**, 37, 1049-1061 | 11.3 | 41 |
| 112 | In Situ Electrochemical Oxidation Tuning of Transition Metal Disulfides to Oxides for Enhanced Water Oxidation. *ACS Central Science*, **2015**, 1, 244-51 | 16.8 | 314 |
| 111 | Application of Mass Spectrometry in the Synthesis and Characterization of Metal Nanoclusters. *Analytical Chemistry*, **2015**, 87, 10659-67 | 7.8 | 49 |
| 110 | Application of biomass-derived flexible carbon cloth coated with MnO2 nanosheets in supercapacitors. *Journal of Power Sources*, **2015**, 294, 150-158 | 8.9 | 162 |

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| 109 | Three-dimensional Fe- and N-incorporated carbon structures as peroxidase mimics for fluorescence detection of hydrogen peroxide and glucose. *Journal of Materials Chemistry B*, **2015**, 3, 4146-4154 | 7.3 | 86 |
| 108 | Sub-nanometer sized Cu6(GSH)3 clusters: one-step synthesis and electrochemical detection of glucose. *Journal of Materials Chemistry C*, **2015**, 3, 4050-4056 | 7.1 | 69 |
| 107 | Colorimetric detection of iron ions (III) based on the highly sensitive plasmonic response of the N-acetyl-L-cysteine-stabilized silver nanoparticles. *Analytica Chimica Acta*, **2015**, 879, 118-25 | 6.6 | 75 |
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