

# Ping Xu

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/3121460/ping-xu-publications-by-year.pdf>

**Version:** 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

232  
papers

14,983  
citations

65  
h-index

116  
g-index

245  
ext. papers

18,118  
ext. citations

8.1  
avg, IF

6.96  
L-index

| #   | Paper  | IF   | Citations |
|-----|--|------|-----------|
| 232 | Electrostatic Interaction-Based High Tissue Adhesive, Stretchable Microelectrode Arrays for the Electrophysiological Interface.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2022</b> ,                                       | 9.5  | 4         |
| 231 | Inhomogeneous defect distribution of triangular WS monolayer revealed by surface-enhanced and tip-enhanced Raman and photoluminescence spectroscopy.. <i>Journal of Chemical Physics</i> , <b>2022</b> , 156, 034702                 | 7.9  | 7         |
| 230 | Crystalline-Amorphous Ni P O /NiMoO Nanoarrays for Alkaline Water Electrolysis: Enhanced Catalytic Activity via In Situ Surface Reconstruction.. <i>Small</i> , <b>2022</b> , e2105972   | 11   | 6         |
| 229 | Magnetic field assisted electrocatalytic oxygen evolution reaction of nickel-based materials. <i>Journal of Materials Chemistry A</i> , <b>2022</b> , 10, 1760-1767  | 13   | 6         |
| 228 | Magnetic Field Enhanced Electrocatalytic Oxygen Evolution of NiFe-LDH/Co O p-n Heterojunction Supported on Nickel Foam.. <i>Small Methods</i> , <b>2022</b> , e2200084   | 12.8 | 1         |
| 227 | Surface reconstruction of phosphorus-doped cobalt molybdate microarrays in electrochemical water splitting. <i>Chemical Engineering Journal</i> , <b>2022</b> , 446, 137094  | 14.7 | 3         |
| 226 | Facile One-Pot Synthesis of Zn/Mg-MOF-74 with Unsaturated Coordination Metal Centers for Efficient CO Adsorption and Conversion to Cyclic Carbonates.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 61334-61345 | 9.5  | 10        |
| 225 | Improved Interface Charge Transfer and Redistribution in CuO-CoOOH p-n Heterojunction Nanoarray Electrocatalyst for Enhanced Oxygen Evolution Reaction. <i>Advanced Science</i> , <b>2021</b> , 8, e2103314                          | 13.6 | 20        |
| 224 | Understanding the Effect of Second Metal on CoM (M = Ni, Cu, Zn) Metal-Organic Frameworks for Electrocatalytic Oxygen Evolution Reaction. <i>Small</i> , <b>2021</b> , 17, e2105150  | 11   | 12        |
| 223 | Dicationic Ionic Liquid @MIL-101 for the Cycloaddition of CO <sub>2</sub> and Epoxides under Cocatalyst-free Conditions. <i>Crystal Growth and Design</i> , <b>2021</b> , 21, 3689-3698  | 3.5  | 5         |
| 222 | NiSe@Ni <sub>1-x</sub> Fe <sub>x</sub> Se <sub>2</sub> Core-shell Nanostructures as a Bifunctional Water Splitting Electrocatalyst in Alkaline Media. <i>Advanced Energy and Sustainability Research</i> , <b>2021</b> , 2, 2100071  | 1.6  | 2         |
| 221 | Recent Advances in Plasmonic Nanostructures for Enhanced Photocatalysis and Electrocatalysis. <i>Advanced Materials</i> , <b>2021</b> , 33, e2000086   | 24   | 112       |
| 220 | 2D Transition Metal Dichalcogenides: Design, Modulation, and Challenges in Electrocatalysis. <i>Advanced Materials</i> , <b>2021</b> , 33, e1907818  | 24   | 119       |
| 219 | Novel HBD-Containing Zn (dobdc) (datz) as efficiently heterogeneous catalyst for CO <sub>2</sub> chemical conversion under mild conditions. <i>Green Energy and Environment</i> , <b>2021</b> , 6, 66-74                             | 5.7  | 13        |
| 218 | Advanced Electrocatalysis for Energy and Environmental Sustainability via Water and Nitrogen Reactions. <i>Advanced Materials</i> , <b>2021</b> , 33, e2000381   | 24   | 108       |
| 217 | Phase-Junction Electrocatalysts towards Enhanced Hydrogen Evolution Reaction in Alkaline Media. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 263-271  | 3.6  | 3         |
| 216 | Phenolic resin reinforcement: A new strategy for hollow NiCo@C microboxes against electromagnetic pollution. <i>Carbon</i> , <b>2021</b> , 174, 673-682  | 10.4 | 25        |

|     |   |      |    |
|-----|---|------|----|
| 215 | Promoting electrocatalytic water oxidation through tungsten-modulated oxygen vacancies on hierarchical FeNi-layered double hydroxide. <i>Nano Energy</i> , <b>2021</b> , 80, 105540   | 17.1 | 25 |
| 214 | Phase-Junction Electrocatalysts towards Enhanced Hydrogen Evolution Reaction in Alkaline Media. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 259-267  | 16.4 | 30 |
| 213 | Aminoethylimidazole ionic liquid-grafted MIL-101-NH <sub>2</sub> heterogeneous catalyst for the conversion of CO <sub>2</sub> and epoxide without solvent and cocatalyst. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 13893-13901                           | 3.6  | 3  |
| 212 | Rationally designed hierarchical N-doped carbon nanotubes wrapping waxberry-like Ni@C microspheres for efficient microwave absorption. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 5086-5096   | 13   | 51 |
| 211 | Morphology control of Cu and Cu <sub>2</sub> O through electrodeposition on conducting polymer electrodes. <i>Inorganic Chemistry Frontiers</i> , <b>2021</b> , 8, 1449-1454  | 6.8  | 3  |
| 210 | A High-Performance Zinc-Organic Framework with Accessible Open Metal Sites Catalyzes CO <sub>2</sub> and Styrene Oxide into Styrene Carbonate under Mild Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 2795-2803                  | 8.3  | 17 |
| 209 | Electrocatalysis: Advanced Electrocatalysis for Energy and Environmental Sustainability via Water and Nitrogen Reactions (Adv. Mater. 6/2021). <i>Advanced Materials</i> , <b>2021</b> , 33, 2170042  | 24   | 0  |
| 208 | Hollow FeCo-FeCoP@C nanocubes embedded in nitrogen-doped carbon nanocages for efficient overall water splitting. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 53, 1-8   | 12   | 13 |
| 207 | Electrocatalysts: 2D Transition Metal Dichalcogenides: Design, Modulation, and Challenges in Electrocatalysis (Adv. Mater. 6/2021). <i>Advanced Materials</i> , <b>2021</b> , 33, 2170045   | 24   | 1  |
| 206 | Plasmonic Heating-Promoted Photothermal Synthesis of $\beta$ -Cyanacrylonitriles Over Au/h-BN Catalysts. <i>Frontiers in Chemistry</i> , <b>2021</b> , 9, 732162  | 5    | 1  |
| 205 | Low Ru loading RuO <sub>2</sub> /(Co,Mn) <sub>3</sub> O <sub>4</sub> nanocomposite with modulated electronic structure for efficient oxygen evolution reaction in acid. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 297, 120442                       | 21.8 | 25 |
| 204 | Insight into the influence of donor-acceptor system on graphitic carbon nitride nanosheets for transport of photoinduced charge carriers and photocatalytic H <sub>2</sub> generation. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 601, 326-337 | 9.3  | 6  |
| 203 | Polymer-bubbling for one-step synthesis of three-dimensional cobalt/carbon foams against electromagnetic pollution. <i>Journal of Materials Science and Technology</i> , <b>2021</b> , 93, 7-16   | 9.1  | 11 |
| 202 | A facile fabrication of a multi-functional and hierarchical Zn-based MOF as an efficient catalyst for CO <sub>2</sub> fixation at room-temperature. <i>Inorganic Chemistry Frontiers</i> , <b>2021</b> , 8, 3085-3095   | 6.8  | 9  |
| 201 | Synthesis of Porous Mo <sub>2</sub> C/Nitrogen-Doped Carbon Nanocomposites for Efficient Hydrogen Evolution Reaction. <i>ChemistrySelect</i> , <b>2020</b> , 5, 14307-14311   | 1.8  | 2  |
| 200 | Recent Advances in Magnetic Field-Enhanced Electrocatalysis. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 10303-10316   | 6.1  | 33 |
| 199 | Metal-Organic Frameworks Derived Interconnected Bimetallic Metaphosphate Nanoarrays for Efficient Electrocatalytic Oxygen Evolution. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1910498   | 15.6 | 60 |
| 198 | FeMoO <sub>4</sub> nanorods for efficient ambient electrochemical nitrogen reduction. <i>Chemical Communications</i> , <b>2020</b> , 56, 6834-6837  | 5.8  | 15 |

|     |   |      |    |
|-----|---|------|----|
| 197 | Dual-Enhanced Doping in ReSe for Efficiently Photoenhanced Hydrogen Evolution Reaction. <i>Advanced Science</i> , <b>2020</b> , 7, 2000216  | 13.6 | 12 |
| 196 | How to Reliably Report the Overpotential of an Electrocatalyst. <i>ACS Energy Letters</i> , <b>2020</b> , 5, 1083-1087  | 20.1 | 70 |
| 195 | Dual hydrogen-bond donor group-containing Zn-MOF for the highly effective coupling of CO <sub>2</sub> and epoxides under mild and solvent-free conditions. <i>Inorganic Chemistry Frontiers</i> , <b>2020</b> , 7, 1995-2005  | 6.8  | 23 |
| 194 | In Situ Growth of Amorphous Fe(OH) on Nickel Nitrate Hydroxide Nanoarrays for Enhanced Electrocatalytic Oxygen Evolution. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 12668-12676   | 9.5  | 23 |
| 193 | Ternary Mo <sub>2</sub> C/Co/C composites with enhanced electromagnetic waves absorption. <i>Chemical Engineering Journal</i> , <b>2020</b> , 387, 124159   | 14.7 | 44 |
| 192 | C(OH) and Its Nanocomposite for High-Performance Lithium Storage. <i>ACS Nano</i> , <b>2020</b> , 14, 1600-1608   | 16.7 | 5  |
| 191 | Fe and B Codoped Nickel Zinc Layered Double Hydroxide for Boosting the Oxygen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 2931-2938   | 8.3  | 10 |
| 190 | A crystalline/amorphous Ni/Ni(OH) <sub>2</sub> core/shell catalyst for the alkaline hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 23323-23329   | 13   | 31 |
| 189 | Controlled Synthesis of Hollow Bimetallic Prussian Blue Analog for Conversion into Efficient Oxygen Evolution Electrocatalyst. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 1319-1328  | 8.3  | 17 |
| 188 | Heterogeneous Interface Induced the Formation of Hierarchically Hollow Carbon Microcubes against Electromagnetic Pollution. <i>Small</i> , <b>2020</b> , 16, e2003407   | 11   | 68 |
| 187 | Solvent-Free Synthesis of Ultrafine Tungsten Carbide Nanoparticles-Decorated Carbon Nanosheets for Microwave Absorption. <i>Nano-Micro Letters</i> , <b>2020</b> , 12, 153  | 19.5 | 53 |
| 186 | Dual functions of glucose induced composition-controllable Co/C microspheres as high-performance microwave absorbing materials. <i>Carbon</i> , <b>2020</b> , 168, 404-414  | 10.4 | 42 |
| 185 | Recent Advances in Plasmon-Promoted Organic Transformations Using Silver-Based Catalysts. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 54266-54284   | 9.5  | 20 |
| 184 | Highly Selective Electrocatalytic Reduction of CO into Methane on Cu-Bi Nanoalloys. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 7261-7266  | 6.4  | 20 |
| 183 | Embedding activated carbon nanospheres into polymer-derived porous carbon networks to boost electrocatalytic oxygen reduction. <i>Chemical Communications</i> , <b>2020</b> , 56, 9791-9794   | 5.8  | 2  |
| 182 | B-Doped and NH <sub>2</sub> -functionalized SBA-15 with hydrogen bond donor groups for effective catalysis of CO <sub>2</sub> cycloaddition to epoxides. <i>Inorganic Chemistry Frontiers</i> , <b>2020</b> , 7, 3636-3645  | 6.8  | 10 |
| 181 | Acid-directed morphology control of molybdenum carbide embedded in a nitrogen doped carbon matrix for enhanced electrocatalytic hydrogen evolution. <i>Inorganic Chemistry Frontiers</i> , <b>2020</b> , 7, 3620-3626   | 6.8  | 3  |
| 180 | Phenyl-Bridged Graphitic Carbon Nitride with a Porous and Hollow Sphere Structure to Enhance Dissociation of Photogenerated Charge Carriers and Visible-Light-Driven H <sub>2</sub> Generation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 41527-41537 | 9.5  | 33 |

|     |   |      |     |
|-----|---|------|-----|
| 179 | Sustainability Perspective-Oriented Synthetic Strategy for Zinc Single-Atom Catalysts Boosting Electrocatalytic Reduction of Carbon Dioxide and Oxygen. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 13813-13822 | 8.3  | 18  |
| 178 | A novel water-stable MOF Zn(Py)(Atz) as heterogeneous catalyst for chemical conversion of CO <sub>2</sub> with various epoxides under mild conditions. <i>Journal of CO<sub>2</sub> Utilization</i> , <b>2020</b> , 35, 216-224         | 7.6  | 48  |
| 177 | Porous Zn(Bmic)(AT) MOF with Abundant Amino Groups and Open Metal Sites for Efficient Capture and Transformation of CO. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 13917-13926  | 5.1  | 47  |
| 176 | Tuning the SERS activity and plasmon-driven reduction of p-nitrothiophenol on a Ag@MoS film. <i>Faraday Discussions</i> , <b>2019</b> , 214, 297-307  | 3.6  | 16  |
| 175 | Core-shell FeCo@carbon nanoparticles encapsulated in polydopamine-derived carbon nanocages for efficient microwave absorption. <i>Carbon</i> , <b>2019</b> , 145, 701-711   | 10.4 | 159 |
| 174 | The design of a novel and resistant Zn(PZDC)(ATZ) MOF catalyst for the chemical fixation of CO <sub>2</sub> under solvent-free conditions. <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 317-325                              | 6.8  | 32  |
| 173 | Enhanced Electrocatalytic Oxygen Evolution Activity by Tuning Both the Oxygen Vacancy and Orbital Occupancy of B-Site Metal Cation in NdNiO <sub>3</sub> . <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1902449             | 15.6 | 35  |
| 172 | Synthesis of pomegranate-like Mo <sub>2</sub> C@C nanospheres for highly efficient microwave absorption. <i>Chemical Engineering Journal</i> , <b>2019</b> , 372, 312-320   | 14.7 | 85  |
| 171 | Stepwise Electrochemical Construction of FeOOH/Ni(OH) <sub>2</sub> on Ni Foam for Enhanced Electrocatalytic Oxygen Evolution. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 3927-3935  | 6.1  | 45  |
| 170 | Mixed Titanium Oxide Strategy for Enhanced Photocatalytic Hydrogen Evolution. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 18475-18482   | 9.5  | 27  |
| 169 | Waxberry-like hierarchical Ni@C microspheres with high-performance microwave absorption. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 5037-5046   | 7.1  | 127 |
| 168 | Ultrafine CoO nanoparticles as an efficient cocatalyst for enhanced photocatalytic hydrogen evolution. <i>Nanoscale</i> , <b>2019</b> , 11, 15633-15640   | 7.7  | 25  |
| 167 | Space-Confined Synthesis of Core-Shell BaTiO@Carbon Microspheres as a High-Performance Binary Dielectric System for Microwave Absorption. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 31182-31190                 | 9.5  | 58  |
| 166 | Polyaniline: A New Metal-Free Catalyst for Peroxymonosulfate Activation with Highly Efficient and Durable Removal of Organic Pollutants. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 9771-9780                    | 10.3 | 85  |
| 165 | Ru nanoassembly catalysts for hydrogen evolution and oxidation reactions in electrolytes at various pH values. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 258, 117952  | 21.8 | 58  |
| 164 | Charge transfer and electromagnetic enhancement processes revealed in the SERS and TERS of a CoPc thin film. <i>Nanophotonics</i> , <b>2019</b> , 8, 1533-1546  | 6.3  | 4   |
| 163 | Hollow transition metal hydroxide octahedral microcages for single particle surface-enhanced Raman spectroscopy. <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 2318-2324  | 6.8  | 12  |
| 162 | Understanding the Phase-Induced Electrocatalytic Oxygen Evolution Reaction Activity on FeOOH Nanostructures. <i>ACS Catalysis</i> , <b>2019</b> , 9, 10705-10711  | 13.1 | 113 |

|     |  |     |     |
|-----|--|-----|-----|
| 161 | Dynamic Evolution of Polar Regions in $\text{KTa}_{0.56}\text{Nb}_{0.44}\text{O}_3$ near the Para-Ferroelectric Phase Transition. <i>Crystal Growth and Design</i> , <b>2019</b> , 19, 1041-1047   | 3.5 | 14  |
| 160 | Fabrication of uniform Ru-doped NiFeO nanosheets as an efficient hydrogen evolution electrocatalyst. <i>Chemical Communications</i> , <b>2019</b> , 55, 14649-14652  | 5.8 | 24  |
| 159 | Prussian Blue Microcrystals with Morphology Evolution as a High-Performance Photo-Fenton Catalyst for Degradation of Organic Pollutants. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 1174-1184   | 9.5 | 28  |
| 158 | Human-Hair-Derived N, S-Doped Porous Carbon: An Enrichment and Degradation System for Wastewater Remediation in the Presence of Peroxymonosulfate. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 2718-2727                                 | 8.3 | 81  |
| 157 | Cycloaddition of Carbon Dioxide to Epoxides for the Synthesis of Cyclic Carbonates with a Mixed Catalyst of Layered Double Hydroxide and Tetrabutylammonium Bromide at Ambient Temperature. <i>Advanced Synthesis and Catalysis</i> , <b>2019</b> , 361, 335-344 | 5.6 | 27  |
| 156 | Pea-like Fe/FeC Nanoparticles Embedded in Nitrogen-Doped Carbon Nanotubes with Tunable Dielectric/Magnetic Loss and Efficient Electromagnetic Absorption. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 4268-4277                            | 9.5 | 158 |
| 155 | Carbon Dioxide Activation and Conversion by Hyperbranched Polyethylenimine/ZnI <sub>2</sub> Catalysts. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 872-878  | 3.9 | 5   |
| 154 | Study of Surface Plasmon Assisted Reactions to Understand the Light-Induced Decarboxylation of N719 Sensitizer. <i>European Journal of Inorganic Chemistry</i> , <b>2019</b> , 2019, 23-28   | 2.3 | 3   |
| 153 | Hydrothermal synthesis of ternary $\text{MoS}_2\text{xSe}_2(1-x)$ nanosheets for electrocatalytic hydrogen evolution. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 1386-1390  | 6.8 | 14  |
| 152 | Graphene Composite Catalysts for Electrochemical Energy Conversion <b>2018</b> , 203-230   |     | 1   |
| 151 | Unraveling the Raman Enhancement Mechanism on 1T'-Phase ReS Nanosheets. <i>Small</i> , <b>2018</b> , 14, e1704079  | 9.1 | 56  |
| 150 | A confined microreactor synthesis strategy to three dimensional nitrogen-doped graphene for high-performance sodium ion battery anodes. <i>Journal of Power Sources</i> , <b>2018</b> , 378, 105-111   | 8.9 | 31  |
| 149 | Metal organic framework-derived CoPS/N-doped carbon for efficient electrocatalytic hydrogen evolution. <i>Nanoscale</i> , <b>2018</b> , 10, 7291-7297  | 7.7 | 83  |
| 148 | Conjugated polymer-mediated synthesis of sulfur- and nitrogen-doped carbon nanotubes as efficient anode materials for sodium ion batteries. <i>Nano Research</i> , <b>2018</b> , 11, 2573-2585   | 10  | 34  |
| 147 | Insight into Mn and Ni doping of Ni <sub>1</sub> -Mn PS <sub>3</sub> and Mn <sub>1</sub> -Ni PS <sub>3</sub> nanosheets on electrocatalytic hydrogen and oxygen evolution activity. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 769, 532-538          | 5.7 | 14  |
| 146 | Facile synthesis of 3D flower-like Ni microspheres with enhanced microwave absorption properties. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 9615-9623   | 7.1 | 74  |
| 145 | High-Performance SERS Substrate Based on Hierarchical 3D Cu Nanocrystals with Efficient Morphology Control. <i>Small</i> , <b>2018</b> , 14, e1802477  | 11  | 34  |
| 144 | Anion-Induced Size Selection of $\text{EMo}_2\text{C}$ Supported on Nitrogen-Doped Carbon Nanotubes for Electrocatalytic Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 11922-11929                                     | 8.3 | 25  |

|     |   |      |     |
|-----|---|------|-----|
| 143 | Template synthesis of nitrogen-doped carbon nanocages@encapsulated carbon nanobubbles as catalyst for activation of peroxymonosulfate. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 1849-1860  | 6.8  | 33  |
| 142 | Pearson's principle-inspired strategy for the synthesis of amorphous transition metal hydroxide hollow nanocubes for electrocatalytic oxygen evolution. <i>Materials Chemistry Frontiers</i> , <b>2018</b> , 2, 1523-1528   | 7.8  | 16  |
| 141 | Photothermally Enhanced Plasmon-Driven Catalysis on Fe <sub>5</sub> C <sub>2</sub> @Au Core-Shell Nanostructures. <i>ChemCatChem</i> , <b>2018</b> , 10, 1084-1088  | 5.2  | 8   |
| 140 | Prussian blue analogues derived porous nitrogen-doped carbon microspheres as high-performance metal-free peroxymonosulfate activators for non-radical-dominated degradation of organic pollutants. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 884-895 | 13   | 157 |
| 139 | Homogeneous Metal Nitrate Hydroxide Nanoarrays Grown on Nickel Foam for Efficient Electrocatalytic Oxygen Evolution. <i>Small</i> , <b>2018</b> , 14, e1803783  | 11   | 28  |
| 138 | Phase transition induced Raman enhancement on vanadium dioxide (VO <sub>2</sub> ) nanosheets. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 10855-10860  | 7.1  | 20  |
| 137 | Fabrication of PPy Nanosphere/rGO Composites via a Facile Self-Assembly Strategy for Durable Microwave Absorption. <i>Polymers</i> , <b>2018</b> , 10,  | 4.5  | 10  |
| 136 | Ultrasmall Mo <sub>2</sub> C Nanoparticle-Decorated Carbon Polyhedrons for Enhanced Microwave Absorption. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 5366-5376  | 5.6  | 60  |
| 135 | MOFs-Derived Hollow Co/C Microspheres with Enhanced Microwave Absorption Performance. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 8904-8913   | 8.3  | 170 |
| 134 | Highly Efficient Visible-Light-Driven Photocatalytic Hydrogen Production on CdS/CuS/g-CN Ternary Heterostructures. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 20404-20411  | 9.5  | 104 |
| 133 | SERS-Based Plasmon-Driven Reaction and Molecule Detection on a Single Ag@MoS <sub>2</sub> Microsphere: Effect of Thickness and Crystallinity of MoS <sub>2</sub> . <i>ChemCatChem</i> , <b>2018</b> , 10, 3520-3525   | 5.2  | 18  |
| 132 | Quantum dot-induced improved performance of cadmium telluride (CdTe) solar cells without a Cu buffer layer. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 4904-4911  | 13   | 9   |
| 131 | Synthesis and microwave absorption enhancement of yolk-shell Fe <sub>3</sub> O <sub>4</sub> @C microspheres. <i>Journal of Materials Science</i> , <b>2017</b> , 52, 6349-6361  | 4.3  | 66  |
| 130 | Origin of the Ultrafast Response of the Lateral Photovoltaic Effect in Amorphous MoS/Si Junctions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 18362-18368   | 9.5  | 32  |
| 129 | Synergistic Phase and Disorder Engineering in 1T-MoSe Nanosheets for Enhanced Hydrogen-Evolution Reaction. <i>Advanced Materials</i> , <b>2017</b> , 29, 1700311  | 24   | 303 |
| 128 | Fabrication of H-TiO <sub>2</sub> /CdS/Cu <sub>2</sub> -xS Ternary Heterostructures for Enhanced Photocatalytic Hydrogen Production. <i>ChemistrySelect</i> , <b>2017</b> , 2, 2681-2686  | 1.8  | 8   |
| 127 | Fabrication of arrayed triangular micro-cavities for SERS substrates using the force modulated indentation process. <i>RSC Advances</i> , <b>2017</b> , 7, 11969-11978  | 3.7  | 14  |
| 126 | Significantly Increased Raman Enhancement on MoX <sub>2</sub> (X = S, Se) Monolayers upon Phase Transition. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1606694  | 15.6 | 114 |

|     |  |      |     |
|-----|--|------|-----|
| 125 | Rational design and synthesis of SnO <sub>2</sub> -encapsulated Fe <sub>2</sub> O <sub>3</sub> nanocubes as a robust and stable photo-Fenton catalyst. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 210, 23-33                          | 21.8 | 54  |
| 124 | S, N Dual-Doped Graphene-like Carbon Nanosheets as Efficient Oxygen Reduction Reaction Electrocatalysts. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 398-405  | 9.5  | 148 |
| 123 | Differential shrinkage induced formation of yolk-shell carbon microspheres toward enhanced microwave absorption. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 133103  | 3.4  | 20  |
| 122 | Ultrasmall MnO Nanoparticles Supported on Nitrogen-Doped Carbon Nanotubes as Efficient Anode Materials for Sodium Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 38401-38408  | 9.5  | 51  |
| 121 | Metal-free nitrogen-doped carbon nanoribbons as highly efficient electrocatalysts for oxygen reduction reaction. <i>Carbon</i> , <b>2017</b> , 124, 34-41  | 10.4 | 32  |
| 120 | Conjugated polymer-mediated synthesis of nitrogen-doped carbon nanoribbons for oxygen reduction reaction. <i>Carbon</i> , <b>2017</b> , 124, 630-636   | 10.4 | 35  |
| 119 | Tuning Mixed Nickel Iron Phosphosulfide Nanosheet Electrocatalysts for Enhanced Hydrogen and Oxygen Evolution. <i>ACS Catalysis</i> , <b>2017</b> , 7, 8549-8557   | 13.1 | 215 |
| 118 | Precursor-directed synthesis of porous cobalt assemblies with tunable close-packed hexagonal and face-centered cubic phases for the effective enhancement in microwave absorption. <i>Journal of Materials Science</i> , <b>2017</b> , 52, 4399-4411 | 4.3  | 24  |
| 117 | Improving the intrinsic electrocatalytic hydrogen evolution activity of few-layer NiPS by cobalt doping. <i>Chemical Communications</i> , <b>2017</b> , 53, 8199-8202  | 5.8  | 48  |
| 116 | Rational design of core-shell Co@C microspheres for high-performance microwave absorption. <i>Carbon</i> , <b>2017</b> , 111, 722-732  | 10.4 | 493 |
| 115 | Development of Conjugated Polymers for Memory Device Applications. <i>Polymers</i> , <b>2017</b> , 9,  | 4.5  | 25  |
| 114 | Recent Advances in Conjugated Polymer-Based Microwave Absorbing Materials. <i>Polymers</i> , <b>2017</b> , 9,  | 4.5  | 68  |
| 113 | Recent advance in laser-induced chemical reactions investigated by <i>in-situ</i> Raman spectroscopy. <i>Scientia Sinica Chimica</i> , <b>2017</b> , 47, 713-723   | 1.6  | 2   |
| 112 | Bifunctional Nitrogen-Doped Microporous Carbon Microspheres Derived from Poly(o-methylaniline) for Oxygen Reduction and Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 3601-8                                     | 9.5  | 75  |
| 111 | Interfacial synthesis of lollipop-like Au/polyaniline nanocomposites for catalytic applications. <i>RSC Advances</i> , <b>2016</b> , 6, 81983-81988  | 3.7  | 5   |
| 110 | Enhanced photocatalytic activity on polarized ferroelectric KNbO <sub>3</sub> . <i>RSC Advances</i> , <b>2016</b> , 6, 108883-108887   | 3.7  | 40  |
| 109 | Galvanic replacement mediated synthesis of rGO/Mn <sub>3</sub> O <sub>4</sub> nanocomposites for the oxygen reduction reaction. <i>RSC Advances</i> , <b>2016</b> , 6, 89124-89129   | 3.7  | 9   |
| 108 | In situ SERS monitored photoactive yellow protein (PYP) chromophore model elimination, nano-catalyzed phenyl redox and I <sub>2</sub> addition reactions. <i>RSC Advances</i> , <b>2016</b> , 6, 111144-111147                                       | 3.7  |     |

|     |   |      |     |
|-----|---|------|-----|
| 107 | Efficient Electrocatalytic and Photoelectrochemical Hydrogen Generation Using MoS <sub>2</sub> and Related Compounds. <i>Chem</i> , <b>2016</b> , 1, 699-726  | 16.2 | 358 |
| 106 | Site-Selective Chlorination of Graphene through Laser-Induced In Situ Decomposition of AgCl Nanoparticles. <i>ChemNanoMat</i> , <b>2016</b> , 2, 515-519  | 3.5  | 3   |
| 105 | Contributions of Phase, Sulfur Vacancies, and Edges to the Hydrogen Evolution Reaction Catalytic Activity of Porous Molybdenum Disulfide Nanosheets. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 7965-72               | 16.4 | 811 |
| 104 | Surface plasmon-driven photocatalysis in ambient, aqueous and high-vacuum monitored by SERS and TERS. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , <b>2016</b> , 27, 100-112                                   | 16.4 | 81  |
| 103 | Interfacially Engineered Sandwich-Like rGO/Carbon Microspheres/rGO Composite as an Efficient and Durable Microwave Absorber. <i>Advanced Materials Interfaces</i> , <b>2016</b> , 3, 1500684  | 4.6  | 107 |
| 102 | Rational design of yolk-shell C@C microspheres for the effective enhancement in microwave absorption. <i>Carbon</i> , <b>2016</b> , 98, 599-606   | 10.4 | 209 |
| 101 | Heteroatom-Doped Carbon Nanostructures Derived from Conjugated Polymers for Energy Applications. <i>Polymers</i> , <b>2016</b> , 8,   | 4.5  | 31  |
| 100 | Ultrafast Surface-Plasmon-Induced Photodimerization of p-Aminothiophenol on Ag/TiO <sub>2</sub> Nanoarrays. <i>ChemCatChem</i> , <b>2016</b> , 8, 1819-1824   | 5.2  | 37  |
| 99  | The contribution of doped-Al to the colossal permittivity properties of Al <sub>x</sub> Nb <sub>0.03</sub> Ti <sub>0.97</sub> O <sub>2</sub> rutile ceramics. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 6798-6805              | 7.1  | 65  |
| 98  | In Situ Raman Monitoring of Silver(I)-Aided Laser-Driven Cleavage Reaction of Cyclobutane. <i>ChemPhysChem</i> , <b>2016</b> , 17, 46-50  | 3.2  | 3   |
| 97  | Electromagnetic functionalized Co/C composites by in situ pyrolysis of metal-organic frameworks (ZIF-67). <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 681, 384-393   | 5.7  | 177 |
| 96  | High-Performance Direct Methanol Fuel Cells with Precious-Metal-Free Cathode. <i>Advanced Science</i> , <b>2016</b> , 3, 1600140  | 13.6 | 89  |
| 95  | Gamma irradiation induced synthesis of electromagnetic functionalized aligned Co <sub>x</sub> Ni <sub>1-x</sub> alloy nanobundles. <i>RSC Advances</i> , <b>2016</b> , 6, 72263-72268   | 3.7  | 7   |
| 94  | An in situ SERS study of substrate-dependent surface plasmon induced aromatic nitration. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 5285-5291   | 7.1  | 21  |
| 93  | Optimizing Composition and Morphology for Large-Grain Perovskite Solar Cells via Chemical Control. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 5570-5576  | 9.6  | 78  |
| 92  | Recent progress in the applications of graphene in surface-enhanced Raman scattering and plasmon-induced catalytic reactions. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 9024-9037  | 7.1  | 100 |
| 91  | Metal organic framework-derived Fe/C nanocubes toward efficient microwave absorption. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 13426-13434  | 13   | 424 |
| 90  | Direct Transformation from Graphitic C <sub>3</sub> N <sub>4</sub> to Nitrogen-Doped Graphene: An Efficient Metal-Free Electrocatalyst for Oxygen Reduction Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 19626-34 | 9.5  | 151 |

|    |   |      |     |
|----|---|------|-----|
| 89 | Galvanic replacement-mediated synthesis of hollow Cu <sub>2</sub> O@Au nanocomposites and Au nanocages for catalytic and SERS applications. <i>RSC Advances</i> , <b>2015</b> , 5, 76101-76106                          | 3.7  | 13  |
| 88 | Constructing Uniform Core-Shell PPy@PANI Composites with Tunable Shell Thickness toward Enhancement in Microwave Absorption. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 20090-9                   | 9.5  | 343 |
| 87 | Fe <sup>3+</sup> -Exchanged Titanate Nanotubes: A New Kind of Highly Active Heterogeneous Catalyst for Friedel-Crafts Type Benzylation. <i>Journal of Nanomaterials</i> , <b>2015</b> , 2015, 1-9                       | 3.2  | 2   |
| 86 | Catalyst Nanomaterials. <i>Journal of Nanomaterials</i> , <b>2015</b> , 2015, 1-2   | 3.2  | 1   |
| 85 | In Situ Surface-Enhanced Raman Spectroscopy Study of Plasmon-Driven Catalytic Reactions of 4-Nitrothiophenol under a Controlled Atmosphere. <i>ChemCatChem</i> , <b>2015</b> , 7, 1004-1010                             | 5.2  | 53  |
| 84 | In situ Raman monitoring of [2+2] cycloaddition of pyridine substituted olefins induced by visible laser. <i>Chemical Communications</i> , <b>2014</b> , 50, 15631-3  | 5.8  | 11  |
| 83 | SERS-active silver nanoparticle assemblies on branched Cu <sub>2</sub> O crystals through controlled galvanic replacement. <i>RSC Advances</i> , <b>2014</b> , 4, 53543-53546   | 3.7  | 9   |
| 82 | Irradiation induced one-step synthesis of electromagnetic functionalized reduced graphene oxide@Ni nanocomposites. <i>RSC Advances</i> , <b>2014</b> , 4, 30467-30470   | 3.7  | 30  |
| 81 | Superhydrophobic Ag nanostructures on polyaniline membranes with strong SERS enhancement. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 22867-73   | 3.6  | 17  |
| 80 | Fast fabrication of homogeneous Ag nanostructures on dual-acid doped polyaniline for SERS applications. <i>RSC Advances</i> , <b>2014</b> , 4, 16121-16126  | 3.7  | 5   |
| 79 | Chemical deposition of Ag nanostructures on polypyrrole films as active SERS substrates. <i>RSC Advances</i> , <b>2014</b> , 4, 7202  | 3.7  | 11  |
| 78 | Shell thickness-dependent microwave absorption of core-shell Fe <sub>3</sub> O <sub>4</sub> @C composites. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 12997-3006                                  | 9.5  | 700 |
| 77 | Gamma-irradiation induced direct fabrication of SERS-active Ag nanoparticles on glass substrates. <i>RSC Advances</i> , <b>2014</b> , 4, 20247-20251  | 3.7  | 1   |
| 76 | Graphene/graphene-tube nanocomposites templated from cage-containing metal-organic frameworks for oxygen reduction in Li-O <sub>2</sub> batteries. <i>Advanced Materials</i> , <b>2014</b> , 26, 1378-86                | 24   | 360 |
| 75 | Multifunctional polymer-metal nanocomposites via direct chemical reduction by conjugated polymers. <i>Chemical Society Reviews</i> , <b>2014</b> , 43, 1349-60  | 58.5 | 159 |
| 74 | Enhanced Photocatalytic Activity of Titanium Dioxide: Modification with Graphene Oxide and Reduced Graphene Oxide. <i>Chemistry Letters</i> , <b>2014</b> , 43, 871-873   | 1.7  | 3   |
| 73 | One-step synthesis of Mn <sub>3</sub> O <sub>4</sub> /reduced graphene oxide nanocomposites for oxygen reduction in nonaqueous Li-O <sub>2</sub> batteries. <i>Chemical Communications</i> , <b>2013</b> , 49, 10838-40 | 5.8  | 100 |
| 72 | Gas transport in porous electrodes of solid oxide fuel cells: A review on diffusion and diffusivity measurement. <i>Journal of Power Sources</i> , <b>2013</b> , 237, 64-73   | 8.9  | 62  |

|    |   |     |     |
|----|---|-----|-----|
| 71 | Laser wavelength- and power-dependent plasmon-driven chemical reactions monitored using single particle surface enhanced Raman spectroscopy. <i>Chemical Communications</i> , <b>2013</b> , 49, 3389-91                   | 5.8 | 146 |
| 70 | Conjugated polymer mediated synthesis of nanoparticle clusters and core/shell nanoparticles. <i>Polymer</i> , <b>2013</b> , 54, 485-489   | 3.9 | 6   |
| 69 | Precursor-directed synthesis of quasi-spherical barium ferrite particles with good dispersion and magnetic properties. <i>CrystEngComm</i> , <b>2013</b> , 15, 808-815  | 3.3 | 27  |
| 68 | Fabrication of thorny Au nanostructures on polyaniline surfaces for sensitive surface-enhanced Raman spectroscopy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 49-54                                 | 9.5 | 43  |
| 67 | A carbon-nanotube-supported graphene-rich non-precious metal oxygen reduction catalyst with enhanced performance durability. <i>Chemical Communications</i> , <b>2013</b> , 49, 3291-3                                    | 5.8 | 185 |
| 66 | Single-Nanocrystal Photoluminescence Spectroscopy Studies of Plasmon-Multiexciton Interactions at Low Temperature. <i>Journal of Physical Chemistry Letters</i> , <b>2013</b> , 4, 1465-70                                | 6.4 | 21  |
| 65 | Amino Acid-Assisted Synthesis of Hierarchical Silver Microspheres for Single Particle Surface-Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 10007-10012                        | 3.8 | 53  |
| 64 | Super-Poissonian statistics of photon emission from single CdSe-CdS core-shell nanocrystals coupled to metal nanostructures. <i>Physical Review Letters</i> , <b>2013</b> , 110, 117401                                   | 7.4 | 60  |
| 63 | Structure-Dependent Electrocatalytic Properties of Cu <sub>2</sub> O Nanocrystals for Oxygen Reduction Reaction. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 13872-13878                                  | 3.8 | 79  |
| 62 | Self-supported Pt nanoclusters via galvanic replacement from Cu <sub>2</sub> O nanocubes as efficient electrocatalysts. <i>Nanoscale</i> , <b>2013</b> , 5, 7397-402  | 7.7 | 51  |
| 61 | Microwave absorption enhancement of Fe <sub>3</sub> O <sub>4</sub> /polyaniline core/shell hybrid microspheres with controlled shell thickness. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 130, 1909-1916  | 2.9 | 118 |
| 60 | Mechanistic understanding of surface plasmon assisted catalysis on a single particle: cyclic redox of 4-aminothiophenol. <i>Scientific Reports</i> , <b>2013</b> , 3, 2997  | 4.9 | 177 |
| 59 | A novel incorporating style of polyaniline/TiO <sub>2</sub> composites as effective visible photocatalysts. <i>Journal of Molecular Catalysis A</i> , <b>2012</b> , 357, 19-25  |     | 61  |
| 58 | One-pot interfacial synthesis of Au nanoparticles and Au@polyaniline nanocomposites for catalytic applications. <i>CrystEngComm</i> , <b>2012</b> , 14, 1542  | 3.3 | 77  |
| 57 | Morphology Control of Cu Crystals on Modified Conjugated Polymer Surfaces. <i>Crystal Growth and Design</i> , <b>2012</b> , 12, 1778-1784   | 3.5 | 13  |
| 56 | Low-Temperature Synthesis of Au/Polyaniline Nanocomposites: Toward Controlled Size, Morphology, and Size Dispersity. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 11272-11277                              | 3.8 | 23  |
| 55 | Highly sensitive surface-enhanced Raman spectroscopy (SERS) platforms based on silver nanostructures fabricated on polyaniline membrane surfaces. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 2752-6 | 9.5 | 91  |
| 54 | Synthesis of electromagnetic functionalized Fe <sub>3</sub> O <sub>4</sub> microspheres/polyaniline composites by two-step oxidative polymerization. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 9523-31  | 3.4 | 142 |

|    |   |     |     |
|----|---|-----|-----|
| 53 | The electromagnetic properties and microwave absorption of mesoporous carbon. <i>Materials Chemistry and Physics</i> , <b>2012</b> , 135, 884-891   | 4.4 | 164 |
| 52 | Fast fabrication of homogeneous silver nanostructures on hydrazine treated polyaniline films for SERS applications. <i>CrystEngComm</i> , <b>2012</b> , 14, 4952  | 3.3 | 17  |
| 51 | Response to Comment on The electromagnetic property of chemically reduced graphene oxide and its application as microwave absorbing material [Appl. Phys. Lett. 100, 046101 (2012)]. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 046102 | 3.4 | 9   |
| 50 | Morphology-Controlled Synthesis and Electromagnetic Properties of Porous Fe <sub>3</sub> O <sub>4</sub> Nanostructures from Iron Alkoxide Precursors. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 12350-12357                   | 3.8 | 203 |
| 49 | Acid-directed synthesis of SERS-active hierarchical assemblies of silver nanostructures. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 2495-2501  |     | 100 |
| 48 | The electromagnetic property of chemically reduced graphene oxide and its application as microwave absorbing material. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 072906  | 3.4 | 520 |
| 47 | Polymer-assisted preparation of metal nanoparticles with controlled size and morphology. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 2550-2554  |     | 35  |
| 46 | Mechanistic study of silver nanoparticle formation on conducting polymer surfaces. <i>Langmuir</i> , <b>2011</b> , 27, 4979-85  | 4   | 35  |
| 45 | Synthesis and characterization of Co <sub>Bn</sub> substituted barium ferrite particles by a reverse microemulsion technique. <i>Materials Research Bulletin</i> , <b>2011</b> , 46, 643-648  | 5.1 | 48  |
| 44 | Synthesis of polyaniline nanofibers with high electrical conductivity from CTAB/DBS mixed surfactants. <i>Materials Letters</i> , <b>2011</b> , 65, 3601-3604   | 3.3 | 50  |
| 43 | Fluorescent features of CdTe nanorods grafted to graphene oxide through an amidation process. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 11283   |     | 26  |
| 42 | Magnetic and electromagnetic properties of composites of iron oxide and Co <sub>B</sub> alloy prepared by chemical reduction. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2011</b> , 323, 14-21                                     | 2.8 | 20  |
| 41 | Controlled synthesis and morphology-dependent electromagnetic properties of nickel nanostructures by $\gamma$ irradiation technique. <i>Radiation Physics and Chemistry</i> , <b>2011</b> , 80, 390-393   | 2.5 | 16  |
| 40 | Sequential chemical deposition of metal alloy jellyfish using polyaniline: redox chemistry at the metal-polymer interface. <i>Chemical Communications</i> , <b>2011</b> , 47, 10764-6   | 5.8 | 21  |
| 39 | Understanding and Controlled Growth of Silver Nanoparticles Using Oxidized N-Methyl-pyrrolidone as a Reducing Agent. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 36-40  | 3.8 | 41  |
| 38 | Controlled Synthesis and Morphology-Dependent Electromagnetic Properties of Hierarchical Cobalt Assemblies. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 14826-14830   | 3.8 | 186 |
| 37 | Field-Assisted Synthesis and Electromagnetic Properties of Aligned Magnetic Nanostructures by $\gamma$ Irradiation Induced Reduction. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 21214-21218                                   | 3.8 | 17  |
| 36 | Field-assisted synthesis of SERS-active silver nanoparticles using conducting polymers. <i>Nanoscale</i> , <b>2010</b> , 2, 1436-40   | 7.7 | 39  |

|    |   |      |     |
|----|---|------|-----|
| 35 | Controlled Synthesis of Hierarchical Nickel and Morphology-Dependent Electromagnetic Properties. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 3196-3203  | 3.8  | 186 |
| 34 | Facile fabrication of homogeneous 3D silver nanostructures on gold-supported polyaniline membranes as promising SERS substrates. <i>Langmuir</i> , <b>2010</b> , 26, 8882-6   | 4    | 75  |
| 33 | Facile Synthesis and Electrical Properties of Silver Wires through Chemical Reduction by Polyaniline. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 22147-22154   | 3.8  | 37  |
| 32 | Surfactant-Assisted Solvothermal Synthesis of Ba(CoTi) <sub>x</sub> Fe <sub>12-2x</sub> O <sub>19</sub> Nanoparticles and Enhancement in Microwave Absorption Properties of Polyaniline. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 19600-19606                                      | 3.8  | 94  |
| 31 | Synthesis of homogeneous silver nanosheet assemblies for surface enhanced Raman scattering applications. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 7222   |      | 44  |
| 30 | Preparation and electromagnetic properties of multiwalled carbon nanotubes/Ni composites by Irradiation technique. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2010</b> , 167, 1-5   | 3.1  | 24  |
| 29 | Solvent-free synthesis of hexagonal barium ferrite (BaFe <sub>12</sub> O <sub>19</sub> ) particles. <i>Journal of Materials Science</i> , <b>2010</b> , 45, 2442-2448   | 4.3  | 32  |
| 28 | A study of the magnetic and electromagnetic properties of Fe <sub>2</sub> O <sub>3</sub> /multiwalled carbon nanotubes (MWCNT) and Fe/Fe <sub>3</sub> C/MWCNT composites. <i>Materials Chemistry and Physics</i> , <b>2009</b> , 114, 556-560   | 4.4  | 77  |
| 27 | Improved SOFC performance with continuously graded anode functional layer. <i>Electrochemistry Communications</i> , <b>2009</b> , 11, 1120-1123   | 5.1  | 70  |
| 26 | Structural and electrochemical properties of LiNi <sub>0.5</sub> Mn <sub>0.5-<math>\alpha</math></sub> Al <sub><math>\alpha</math></sub> O <sub>2</sub> ( $\alpha$ =0, 0.02, 0.05, 0.08, and 0.1) cathode materials for lithium-ion batteries. <i>Solid State Ionics</i> , <b>2009</b> , 180, 398-404 | 3.3  | 26  |
| 25 | Synthesis and characterization of nanostructured polypyrroles: Morphology-dependent electrochemical responses and chemical deposition of Au nanoparticles. <i>Polymer</i> , <b>2009</b> , 50, 2624-2629   | 3.9  | 39  |
| 24 | Microstructure evolution and magnetic properties of CoB coatings electrolessly plated on hollow microspheres. <i>Applied Surface Science</i> , <b>2009</b> , 255, 6125-6131   | 6.7  | 3   |
| 23 | A double-layered carbon nanotube array with super-hydrophobicity. <i>Carbon</i> , <b>2009</b> , 47, 3332-3336   | 10.4 | 14  |
| 22 | Morphology and physico-electrochemical properties of poly(aniline-co-pyrrole). <i>Synthetic Metals</i> , <b>2009</b> , 159, 430-434   | 3.6  | 27  |
| 21 | Magnetic and dielectric properties of barium titanate-coated barium ferrite. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 476, 560-565  | 5.7  | 13  |
| 20 | Formation of Ag nanoparticles on water-soluble anatase TiO <sub>2</sub> clusters and the activation of photocatalysis. <i>Catalysis Communications</i> , <b>2009</b> , 10, 1052-1056  | 3.2  | 20  |
| 19 | Effect of Ni(OH) <sub>2</sub> coating on the electromagnetic properties of hexagonal barium ferrite. <i>Materials Chemistry and Physics</i> , <b>2008</b> , 108, 196-200  | 4.4  | 12  |
| 18 | Effect of stoichiometry on the phase formation and magnetic properties of BaFe <sub>12</sub> O <sub>19</sub> nanoparticles by reverse micelle technique. <i>Materials Letters</i> , <b>2008</b> , 62, 1305-1308   | 3.3  | 43  |

|    |   |      |     |
|----|---|------|-----|
| 17 | Synthesis of electromagnetic functionalized barium ferrite nanoparticles embedded in polypyrrole. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 2775-81   | 3.4  | 102 |
| 16 | Synthesis of electromagnetic functionalized nickel/polypyrrole core/shell composites. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 10443-8   | 3.4  | 308 |
| 15 | Effect of crystallinity on the electrochemical performance of nanometer Al-stabilized nickel hydroxide. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 462, 164-169   | 5.7  | 28  |
| 14 | Preparation and microwave absorption properties of NiB alloy-coated Fe <sub>3</sub> O <sub>4</sub> particles. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 464, 352-356   | 5.7  | 60  |
| 13 | Preparation of YSZ thin films for intermediate temperature solid oxide fuel cells by dip-coating method. <i>Journal of Membrane Science</i> , <b>2008</b> , 320, 500-504  | 9.6  | 42  |
| 12 | Facile Synthesis of Polyaniline-Polypyrrole Nanofibers for Application in Chemical Deposition of Metal Nanoparticles. <i>Macromolecular Rapid Communications</i> , <b>2008</b> , 29, 1392-1397  | 4.8  | 49  |
| 11 | Mild hydrothermal synthesis of hexagonal CuS nanoplates. <i>Journal of Crystal Growth</i> , <b>2008</b> , 310, 5437-5446  | 4.6  | 32  |
| 10 | Effect of equivalent and non-equivalent Al substitutions on the structure and electrochemical properties of LiNi <sub>0.5</sub> Mn <sub>0.5</sub> O <sub>2</sub> . <i>Journal of Power Sources</i> , <b>2008</b> , 176, 325-331           | 8.9  | 40  |
| 9  | Synthesis and Characterization of Novel Coraloid Polyaniline/BaFe <sub>12</sub> O <sub>19</sub> Nanocomposites. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 12603-12608   | 3.8  | 146 |
| 8  | Effect of ultrasonic irradiation on the structure and electrochemical properties of cathode material LiNi <sub>0.5</sub> Mn <sub>0.5</sub> O <sub>2</sub> for lithium batteries. <i>Solid State Ionics</i> , <b>2007</b> , 178, 1230-1234 | 3.3  | 30  |
| 7  | Characterization of an ultrafine nickel hydroxide from supersonic co-precipitation method. <i>Journal of Alloys and Compounds</i> , <b>2007</b> , 436, 369-374  | 5.7  | 29  |
| 6  | Synthesis and Magnetic Properties of BaFe <sub>12</sub> O <sub>19</sub> Hexaferrite Nanoparticles by a Reverse Microemulsion Technique. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 5866-5870                             | 3.8  | 156 |
| 5  | Study of the effects of nanometer Ni(OH) <sub>2</sub> in nickel hydroxide electrodes. <i>Electrochimica Acta</i> , <b>2005</b> , 50, 2763-2769  | 6.7  | 66  |
| 4  | Regulating Electron Redistribution of Intermetallic Iridium Oxide by Incorporating Ru for Efficient Acidic Water Oxidation. <i>Advanced Energy Materials</i> , 2102883  | 21.8 | 9   |
| 3  | Phase-junction engineering boosts the performance of CoSe <sub>2</sub> for efficient sodium/potassium storage. <i>Journal of Materials Chemistry A</i> ,  | 13   | 10  |
| 2  | Anchoring porous carbon nanoparticles on carbon nanotubes as a high-performance composite with a unique core-sheath structure for electromagnetic pollution precaution. <i>Journal of Materials Chemistry A</i> ,                         | 13   | 11  |
| 1  | Cotton cloth supported tungsten carbide/carbon nanocomposites as a Janus film for solar driven interfacial water evaporation. <i>Journal of Materials Chemistry A</i> ,   | 13   | 5   |