

Ying Yu

List of Publications by Year in Descending Order

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

137
papers

11,523
citations

54
h-index

105
g-index

140
ext. papers

13,518
ext. citations

9.2
avg, IF

6.67
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 137 | Fermi-level-tuned MOF-derived N-ZnO@NC for photocatalysis: A key role of pyridine-N-Zn bond. <i>Journal of Materials Science and Technology</i> , 2022 , 112, 68-76 | 9.1 | 3 |
| 136 | High-performance seawater oxidation by a homogeneous multimetallic layered double hydroxide electrocatalyst.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2202382119 | 11.5 | 8 |
| 135 | Dynamic Restructuring of Coordinatively Unsaturated Copper Paddle Wheel Clusters to Boost Electrochemical CO Reduction to Hydrocarbons*. <i>Angewandte Chemie - International Edition</i> , 2021 , | 16.4 | 6 |
| 134 | Ultrafast fabrication of porous transition metal foams for efficient electrocatalytic water splitting. <i>Applied Catalysis B: Environmental</i> , 2021 , 288, 120002 | 21.8 | 30 |
| 133 | Ultrafast charge in Zn-based batteries through high-potential deposition. <i>Materials Today Physics</i> , 2021 , 19, 100425 | 8 | 4 |
| 132 | Fe induced nanostructure reorganization and electronic structure modulation over CoNi (oxy)hydroxide nanorod arrays for boosting oxygen evolution reaction. <i>Chemical Engineering Journal</i> , 2021 , 403, 126304 | 14.7 | 35 |
| 131 | A robust bifunctional catalyst for rechargeable Zn-air batteries: Ultrathin NiFe-LDH nanowalls vertically anchored on soybean-derived Fe-N-C matrix. <i>Nano Research</i> , 2021 , 14, 1175-1186 | 10 | 15 |
| 130 | Stable core-shell ZIF-8@ZIF-67 MOFs photocatalyst for highly efficient degradation of organic pollutant and hydrogen evolution. <i>Journal of Materials Research</i> , 2021 , 36, 602-614 | 2.5 | 13 |
| 129 | Role of oxygen in copper-based catalysts for carbon dioxide electrochemical reduction. <i>Materials Today Physics</i> , 2021 , 20, 100443 | 8 | 8 |
| 128 | VS4 with a chain crystal structure used as an intercalation cathode for aqueous Zn-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 10761-10766 | 13 | 35 |
| 127 | Ultrafast room-temperature synthesis of porous S-doped Ni/Fe (oxy)hydroxide electrodes for oxygen evolution catalysis in seawater splitting. <i>Energy and Environmental Science</i> , 2020 , 13, 3439-3446 | 35.4 | 173 |
| 126 | N-doped Ni-Mo based sulfides for high-efficiency and stable hydrogen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2020 , 276, 119137 | 21.8 | 77 |
| 125 | Atypical Oxygen-Bearing Copper Boosts Ethylene Selectivity toward Electrocatalytic CO Reduction. <i>Journal of the American Chemical Society</i> , 2020 , 142, 11417-11427 | 16.4 | 99 |
| 124 | Experimental method to explore the adaptation degree of type-II and all-solid-state Z-scheme heterojunction structures in the same degradation system. <i>Chinese Journal of Catalysis</i> , 2020 , 41, 1522-1534 | 11.3 | 10 |
| 123 | Facile preparation of WSO14 nanosheet arrays with large crystal channels as high-performance negative electrode for supercapacitor. <i>Electrochimica Acta</i> , 2020 , 330, 135209 | 6.7 | 13 |
| 122 | Facile in situ fabrication of Cu2O@Cu metal-semiconductor heterostructured nanorods for efficient visible-light driven CO2 reduction. <i>Chemical Engineering Journal</i> , 2020 , 385, 123940 | 14.7 | 48 |
| 121 | Nitrogen-coordinated metallic cobalt disulfide self-encapsulated in graphitic carbon for electrochemical water oxidation. <i>Applied Catalysis B: Environmental</i> , 2020 , 268, 118449 | 21.8 | 22 |

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| 120 | Nd ³⁺ ions induced rational morphology control of transition metal oxides for high energy storage performance. <i>Journal of Power Sources</i> , 2020 , 472, 228599 | 8.9 | 10 |
| 119 | Ultra-small Ni(HCO) as a water dissociation promoter boosting the alkaline hydrogen electrocatalysis performance of MoS. <i>Chemical Communications</i> , 2020 , 56, 12065-12068 | 5.8 | 2 |
| 118 | Reaction mechanisms for reduction of CO ₂ to CO on monolayer MoS ₂ . <i>Applied Surface Science</i> , 2020 , 499, 143964 | 6.7 | 23 |
| 117 | Realizing a Rechargeable High-Performance Cu/Zn Battery by Adjusting the Solubility of Cu ²⁺ . <i>Advanced Functional Materials</i> , 2019 , 29, 1905979 | 15.6 | 29 |
| 116 | H ₂ O ₂ Treated CdS with Enhanced Activity and Improved Stability by a Weak Negative Bias for CO ₂ Photoelectrocatalytic Reduction. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 4325-4334 | 8.3 | 15 |
| 115 | Single Fe Atom on Hierarchically Porous S, N-Codoped Nanocarbon Derived from Porphyrin Enable Boosted Oxygen Catalysis for Rechargeable Zn-Air Batteries. <i>Small</i> , 2019 , 15, e1900307 | 11 | 153 |
| 114 | Visible-light driven CO ₂ reduction coupled with water oxidation on Cl-doped Cu ₂ O nanorods. <i>Nano Energy</i> , 2019 , 60, 576-582 | 17.1 | 71 |
| 113 | Self-supported ultrathin bismuth nanosheets acquired by in situ topotactic transformation of BiOCl as a high performance aqueous anode material. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 6784-6792 | 13 | 17 |
| 112 | A New View of Supercapacitors: Integrated Supercapacitors. <i>Advanced Energy Materials</i> , 2019 , 9, 1901084 | 11.8 | 155 |
| 111 | Defective and ultrathin NiFe LDH nanosheets decorated on V-doped Ni ₃ S ₂ nanorod arrays: a 3D core-shell electrocatalyst for efficient water oxidation. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 18118-18125 | 13 | 98 |
| 110 | A universal synthesis strategy to make metal nitride electrocatalysts for hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 19728-19732 | 13 | 67 |
| 109 | Three-dimensional interconnected core-shell networks with Ni(Fe)OOH and MnO ₂ active species together as high-efficiency oxygen catalysts for rechargeable Zn-air batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 19045-19059 | 13 | 44 |
| 108 | Non-noble metal-nitride based electrocatalysts for high-performance alkaline seawater electrolysis. <i>Nature Communications</i> , 2019 , 10, 5106 | 17.4 | 318 |
| 107 | Electrolyzer with hierarchical transition metal sulfide and phosphide towards overall water splitting. <i>Materials Today Physics</i> , 2019 , 11, 100162 | 8 | 33 |
| 106 | A robust 2D organic polysulfane nanosheet with grafted polycyclic sulfur for highly reversible and durable lithium-organosulfur batteries. <i>Nano Energy</i> , 2019 , 57, 635-643 | 17.1 | 42 |
| 105 | Nickel phosphide based hydrogen producing catalyst with low overpotential and stability at high current density. <i>Electrochimica Acta</i> , 2019 , 299, 756-761 | 6.7 | 27 |
| 104 | Visible-light responsive boron and nitrogen codoped anatase TiO ₂ with exposed {0 0 1} facet: Calculation and experiment. <i>Applied Surface Science</i> , 2019 , 466, 568-577 | 6.7 | 6 |
| 103 | Amorphous NiFe layered double hydroxide nanosheets decorated on 3D nickel phosphide nanoarrays: a hierarchical core-shell electrocatalyst for efficient oxygen evolution. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 13619-13623 | 13 | 105 |

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| 102 | Robust and selective electrochemical reduction of CO ₂ : the case of integrated 3D TiO ₂ @MoS ₂ architectures and TiB bonding effects. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 4706-4713 | 13 | 49 |
| 101 | Design of multidimensional nanocomposite material to realize the application both in energy storage and electrocatalysis. <i>Science Bulletin</i> , 2018 , 63, 152-154 | 10.6 | 20 |
| 100 | Photocatalytic reduction of CO ₂ to CO over copper decorated g-C ₃ N ₄ nanosheets with enhanced yield and selectivity. <i>Applied Surface Science</i> , 2018 , 427, 1165-1173 | 6.7 | 97 |
| 99 | Nest-like V ₃ O ₇ self-assembled by porous nanowires as an anode supercapacitor material and its performance optimization through bonding with N-doped carbon. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 16475-16484 | 13 | 22 |
| 98 | Ternary Ni ₂ (1-x)Mo ₂ xP nanowire arrays toward efficient and stable hydrogen evolution electrocatalysis under large-current-density. <i>Nano Energy</i> , 2018 , 53, 492-500 | 17.1 | 148 |
| 97 | Recent developments in earth-abundant and non-noble electrocatalysts for water electrolysis. <i>Materials Today Physics</i> , 2018 , 7, 121-138 | 8 | 119 |
| 96 | A novel H ₂ O ₂ -assisted method to fabricate Li ₄ Ti ₅ O ₁₂ /TiO ₂ materials for high-performance energy storage. <i>Electrochimica Acta</i> , 2018 , 281, 142-151 | 6.7 | 10 |
| 95 | Hydrogen plasma reduced potassium titanate as a high power and ultralong lifespan anode material for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 22037-22042 | 13 | 15 |
| 94 | Synergistic effect of adsorption and visible-light photocatalysis for organic pollutant removal over BiVO ₄ /carbon sphere nanocomposites. <i>Applied Surface Science</i> , 2018 , 453, 394-404 | 6.7 | 40 |
| 93 | Water splitting by electrolysis at high current densities under 1.6 volts. <i>Energy and Environmental Science</i> , 2018 , 11, 2858-2864 | 35.4 | 273 |
| 92 | A Model to Stabilize CO Uptake Capacity during Carbonation-Calcination Cycles and its Case of CaO-MgO. <i>Environmental Science & Technology</i> , 2017 , 51, 552-559 | 10.3 | 19 |
| 91 | Copper nanoparticle interspersed MoS nanoflowers with enhanced efficiency for CO electrochemical reduction to fuel. <i>Dalton Transactions</i> , 2017 , 46, 10569-10577 | 4.3 | 59 |
| 90 | LSDA+ U study on the electronic and anti-ferromagnetic properties of Ni-doped CuO and Cu-doped NiO. <i>Chinese Journal of Catalysis</i> , 2017 , 38, 767-773 | 11.3 | 8 |
| 89 | Design of a unique 3D-nanostructure to make MnO ₂ work as supercapacitor material in acid environment. <i>Chemical Engineering Journal</i> , 2017 , 321, 554-563 | 14.7 | 35 |
| 88 | Hierarchical Cu@CoFe layered double hydroxide core-shell nanoarchitectures as bifunctional electrocatalysts for efficient overall water splitting. <i>Nano Energy</i> , 2017 , 41, 327-336 | 17.1 | 174 |
| 87 | Platinum nanoparticles supported on defective tungsten bronze-type KSr ₂ Nb ₅ O ₁₅ as a novel photocatalyst for efficient ethylene oxidation. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 18998-19006 | 13 | 18 |
| 86 | Hierarchical porous Fe ₂ O ₃ assisted with graphene-like carbon as high-performance lithium battery anodes. <i>Materials Today Physics</i> , 2017 , 3, 7-15 | 8 | 25 |
| 85 | Cu nanowires shelled with NiFe layered double hydroxide nanosheets as bifunctional electrocatalysts for overall water splitting. <i>Energy and Environmental Science</i> , 2017 , 10, 1820-1827 | 35.4 | 733 |

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| 84 | Enhanced Activity and Stability of Carbon-Decorated Cuprous Oxide Mesoporous Nanorods for CO ₂ Reduction in Artificial Photosynthesis. <i>ACS Catalysis</i> , 2016 , 6, 6444-6454 | 13.1 | 165 |
| 83 | Superior visible light hydrogen evolution of Janus bilayer junctions via atomic-level charge flow steering. <i>Nature Communications</i> , 2016 , 7, 11480 | 17.4 | 303 |
| 82 | Giant Enhancement of Internal Electric Field Boosting Bulk Charge Separation for Photocatalysis. <i>Advanced Materials</i> , 2016 , 28, 4059-64 | 24 | 354 |
| 81 | Co-dopant influence on near-infrared luminescence properties of Zn ₂ SnO ₄ :Cr ³⁺ , Eu ³⁺ ceramic discs. <i>Journal of Alloys and Compounds</i> , 2016 , 686, 407-412 | 5.7 | 23 |
| 80 | Multiple magnification effects of Ce ³⁺ ions on near-infrared persistent luminescence of Cr-doped LaAlO ₃ . <i>Optical Materials Express</i> , 2016 , 6, 922 | 2.6 | 6 |
| 79 | Carbon-Infused MoS ₂ Supported on TiO ₂ Nanosheet Arrays for Intensified Anodes in Lithium Ion Batteries. <i>Electrochimica Acta</i> , 2016 , 212, 59-67 | 6.7 | 18 |
| 78 | In Situ Polymerized PAN-Assisted S/C Nanosphere with Enhanced High-Power Performance as Cathode for Lithium/Sulfur Batteries. <i>Nano Letters</i> , 2015 , 15, 5116-23 | 11.5 | 114 |
| 77 | Facet-Level Mechanistic Insights into General Homogeneous Carbon Doping for Enhanced Solar-to-Hydrogen Conversion. <i>Advanced Functional Materials</i> , 2015 , 25, 2189-2201 | 15.6 | 121 |
| 76 | Delivery of dexamethasone from electrospun PCL/PEO binary fibers and their effects on inflammation regulation. <i>RSC Advances</i> , 2015 , 5, 34166-34172 | 3.7 | 15 |
| 75 | Design of SnO ₂ /C hybrid triple-layer nanospheres as Li-ion battery anodes with high stability and rate capability. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 2748-2755 | 13 | 37 |
| 74 | TiO ₂ thin films with rutile phase prepared by DC magnetron co-sputtering at room temperature: Effect of Cu incorporation. <i>Applied Surface Science</i> , 2015 , 345, 49-56 | 6.7 | 28 |
| 73 | Ultraporous nanofeatured PCL-PEO microfibrillar scaffolds enhance cell infiltration, colonization and myofibroblastic differentiation. <i>Nanoscale</i> , 2015 , 7, 14989-95 | 7.7 | 16 |
| 72 | Cu ₂ O Homojunction Solar Cells: F-Doped N-type Thin Film and Highly Improved Efficiency. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 22803-22811 | 3.8 | 56 |
| 71 | N-type Cu ₂ O Film for Photocatalytic and Photoelectrocatalytic Processes: Its stability and Inactivation of E. coli. <i>Electrochimica Acta</i> , 2015 , 153, 583-593 | 6.7 | 32 |
| 70 | Facile Synthesis of Carbon Spheres with Uniformly Dispersed MnO Nanoparticles for Lithium Ion Battery Anode. <i>Electrochimica Acta</i> , 2015 , 152, 44-52 | 6.7 | 45 |
| 69 | Comparative study of oxidative stress induced by sand flower and schistose nanosized layered double hydroxides in N2a cells. <i>Frontiers in Biology</i> , 2015 , 10, 279-286 | | 1 |
| 68 | Interconnected mesoporous NiO sheets deposited onto TiO ₂ nanosheet arrays as binder-free anode materials with enhanced performance for lithium ion batteries. <i>RSC Advances</i> , 2015 , 5, 101247-101256 | 3.7 | 13 |
| 67 | Octahedral Cu ₂ O-modified TiO ₂ nanotube arrays for efficient photocatalytic reduction of CO ₂ . <i>Chinese Journal of Catalysis</i> , 2015 , 36, 2229-2236 | 11.3 | 86 |

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| 66 | Enhanced photocatalytic activity of Bi ₂ O ₃ with high electron-hole mobility by codoping approach: A first-principles study. <i>Applied Surface Science</i> , 2015 , 358, 449-456 | 6.7 | 21 |
| 65 | TiO ₂ Nanotube Arrays Grafted with MnO ₂ Nanosheets as High-Performance Anode for Lithium Ion Battery. <i>Electrochimica Acta</i> , 2015 , 156, 252-260 | 6.7 | 59 |
| 64 | Synthesis and internal electric field dependent photoreactivity of Bi ₃ O ₄ Cl single-crystalline nanosheets with high {001} facet exposure percentages. <i>Nanoscale</i> , 2014 , 6, 167-71 | 7.7 | 161 |
| 63 | TiO ₂ mesoporous microspheres with nanorod structure: facile synthesis and superior electrochemical performance. <i>Electrochimica Acta</i> , 2014 , 120, 231-239 | 6.7 | 36 |
| 62 | Enhanced photocatalytic activity and stability of interstitial Ga-doped CdS: Combination of experiment and calculation. <i>Catalysis Today</i> , 2014 , 224, 104-113 | 5.3 | 32 |
| 61 | Hierarchical 3D TiO ₂ @Fe ₂ O ₃ nanoframework arrays as high-performance anode materials. <i>Nanoscale</i> , 2014 , 6, 6463-7 | 7.7 | 51 |
| 60 | Ultraporous interweaving electrospun microfibers from PCL-PEO binary blends and their inflammatory responses. <i>Nanoscale</i> , 2014 , 6, 3392-402 | 7.7 | 39 |
| 59 | Application of flower-like SnS ₂ nanoparticles for direct electrochemistry of hemoglobin and its electrocatalysis. <i>Analytical Methods</i> , 2014 , 6, 404-409 | 3.2 | 17 |
| 58 | Combination study of DFT calculation and experiment for photocatalytic properties of S-doped anatase TiO ₂ . <i>Applied Surface Science</i> , 2014 , 319, 50-59 | 6.7 | 42 |
| 57 | Bismuth oxyhalide nanomaterials: layered structures meet photocatalysis. <i>Nanoscale</i> , 2014 , 6, 8473-88 | 7.7 | 655 |
| 56 | Characterization and high pollutant removal ability of buoyant (C, N)-TiO ₂ /PTFE flakes prepared by high-energy ball-milling. <i>RSC Advances</i> , 2014 , 4, 40019 | 3.7 | 13 |
| 55 | Carbon-decorated LiTiO ₂ /rutile TiO ₂ mesoporous microspheres with nanostructures as high-performance anode materials in lithium-ion batteries. <i>Nanotechnology</i> , 2014 , 25, 175402 | 3.4 | 38 |
| 54 | TiO ₂ nanoparticles with high ability for selective adsorption and photodegradation of textile dyes under visible light by feasible preparation. <i>Journal of Physics and Chemistry of Solids</i> , 2014 , 75, 86-93 | 3.9 | 30 |
| 53 | New Way for CO ₂ Reduction under Visible Light by a Combination of a Cu Electrode and Semiconductor Thin Film: Cu ₂ O Conduction Type and Morphology Effect. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 24467-24478 | 3.8 | 55 |
| 52 | Cu ₂ O-Based Nanocomposites for Environmental Protection 2014 , 41-70 | | |
| 51 | Sand flower layered double hydroxides synthesized by co-precipitation for CO ₂ capture: Morphology evolution mechanism, agitation effect and stability. <i>Materials Chemistry and Physics</i> , 2013 , 140, 159-167 | 4.4 | 24 |
| 50 | Enhanced photocatalytic activity and stability of semiconductor by Ag doping and simultaneous deposition: the case of CdS. <i>RSC Advances</i> , 2013 , 3, 20782 | 3.7 | 63 |
| 49 | Nano-sized Li ₄ Ti ₅ O ₁₂ anode material with excellent performance prepared by solid state reaction: The effect of precursor size and morphology. <i>Electrochimica Acta</i> , 2013 , 112, 356-363 | 6.7 | 35 |

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| 48 | Photocatalytic activity enhancement of CdS through In doping by simple hydrothermal method. <i>Journal of Physics and Chemistry of Solids</i> , 2013 , 74, 647-652 | 3.9 | 21 |
| 47 | Highly efficient photocatalytic removal of sodium pentachlorophenate with Bi ₃ O ₄ Br under visible light. <i>Applied Catalysis B: Environmental</i> , 2013 , 136-137, 112-121 | 21.8 | 265 |
| 46 | Synthesis of Bi ₂ O ₃ /Cu ₂ O nanoflowers by hydrothermal method and its photocatalytic activity enhancement under simulated sunlight. <i>Journal of Alloys and Compounds</i> , 2013 , 560, 132-141 | 5.7 | 37 |
| 45 | Electrochemistry and electrocatalysis of myoglobin on carbon coated Fe ₃ O ₄ nanospindle modified carbon ionic liquid electrode. <i>RSC Advances</i> , 2012 , 2, 5676 | 3.7 | 25 |
| 44 | Visible-light-driven photocatalytic inactivation of E. coli K-12 by bismuth vanadate nanotubes: bactericidal performance and mechanism. <i>Environmental Science & Technology</i> , 2012 , 46, 4599-606 | 10.3 | 222 |
| 43 | Mechanistic Study of Codoped Titania with Nonmetal and Metal Ions: A Case of C + Mo Codoped TiO ₂ . <i>ACS Catalysis</i> , 2012 , 2, 391-398 | 13.1 | 149 |
| 42 | Zn-Doped CdS Nanoarchitectures Prepared by Hydrothermal Synthesis: Mechanism for Enhanced Photocatalytic Activity and Stability under Visible Light. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 9078-9084 | 3.8 | 107 |
| 41 | Nitrogen-doped TiO ₂ nanoparticles by using EDTA as nitrogen source and soft template: Simple preparation, mesoporous structure, and photocatalytic activity under visible light. <i>Journal of Alloys and Compounds</i> , 2012 , 540, 228-235 | 5.7 | 54 |
| 40 | Neodymium-Doped TiO ₂ with Anatase and Brookite Two Phases: Mechanism for Photocatalytic Activity Enhancement under Visible Light and the Role of Electron. <i>International Journal of Photoenergy</i> , 2012 , 2012, 1-10 | 2.1 | 35 |
| 39 | Ti ³⁺ in the Surface of Titanium Dioxide: Generation, Properties and Photocatalytic Application. <i>Journal of Nanomaterials</i> , 2012 , 2012, 1-13 | 3.2 | 282 |
| 38 | Bifunctional photocatalysis of TiO ₂ /Cu ₂ O composite under visible light: Ti ³⁺ in organic pollutant degradation and water splitting. <i>Journal of Physics and Chemistry of Solids</i> , 2011 , 72, 1104-1109 | 3.9 | 57 |
| 37 | Cu ₂ O nanorod thin films prepared by CBD method with CTAB: Substrate effect, deposition mechanism and photoelectrochemical properties. <i>Materials Chemistry and Physics</i> , 2011 , 127, 433-439 | 4.4 | 32 |
| 36 | CuBi ₂ O ₄ single crystal nanorods prepared by hydrothermal method: Growth mechanism and optical properties. <i>Materials Research Bulletin</i> , 2011 , 46, 1443-1450 | 5.1 | 45 |
| 35 | p-Type and n-type Cu ₂ O semiconductor thin films: Controllable preparation by simple solvothermal method and photoelectrochemical properties. <i>Electrochimica Acta</i> , 2011 , 56, 2735-2739 | 6.7 | 86 |
| 34 | A molecular-imprint nanosensor for ultrasensitive detection of proteins. <i>Nature Nanotechnology</i> , 2010 , 5, 597-601 | 28.7 | 291 |
| 33 | Magnetic properties of Cu _m O _n clusters: a first principles study. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 8417-22 | 2.8 | 16 |
| 32 | Synthesis of novel high-voltage cathode material LiCoPO ₄ via rheological phase method. <i>Journal of Alloys and Compounds</i> , 2010 , 502, 407-410 | 5.7 | 56 |
| 31 | Self-assembled Cu ₂ O flowerlike architecture: Polyol synthesis, photocatalytic activity and stability under simulated solar light. <i>Materials Research Bulletin</i> , 2010 , 45, 961-968 | 5.1 | 59 |

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| 30 | Synthesis of $(\text{CuIn})_x\text{Cd}_{2-x}\text{S}_2$ photocatalysts for H_2 evolution under visible light by using a low-temperature hydrothermal method. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 3297-3305 | 6.7 | 41 |
| 29 | A simplified chemical synthesis of Cu_2O films with periodic pattern transfer. <i>Thin Solid Films</i> , 2010 , 518, 6738-6745 | 2.2 | 9 |
| 28 | Energy Storage in Bifunctional TiO_2 Composite Materials under UV and Visible Light. <i>Energies</i> , 2009 , 2, 1009-1030 | 3.1 | 11 |
| 27 | Controllable synthesis of self-assembled Cu_2S nanostructures through a template-free polyol process for the degradation of organic pollutant under visible light. <i>Materials Research Bulletin</i> , 2009 , 44, 1834-1841 | 5.1 | 46 |
| 26 | Assembly of multi-functional nanocomponents on periodic nanotube array for biosensors. <i>Micro and Nano Letters</i> , 2009 , 4, 27-33 | 0.9 | 12 |
| 25 | Preparation, characterization and photocatalytic properties of ZnO -coated multi-walled carbon nanotubes. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2009 , 163, 194-198 | 3.1 | 82 |
| 24 | Template-free synthesis of BiVO_4 nanostructures: II. Relationship between various microstructures for monoclinic BiVO_4 and their photocatalytic activity for the degradation of rhodamine B under visible light. <i>Nanotechnology</i> , 2009 , 20, 405602 | 3.4 | 62 |
| 23 | Template-free synthesis of BiVO_4 nanostructures: I. Nanotubes with hexagonal cross sections by oriented attachment and their photocatalytic property for water splitting under visible light. <i>Nanotechnology</i> , 2009 , 20, 115603 | 3.4 | 96 |
| 22 | Visible-light Energy Storage by Ti^{3+} -in $\text{TiO}_2/\text{Cu}_2\text{O}$ Bilayer Film. <i>Chemistry Letters</i> , 2009 , 38, 1154-1155 | 1.7 | 34 |
| 21 | Aligned 2-D Nanosheet Cu_2O Film: Oriented Deposition on Cu Foil and Its Photoelectrochemical Property. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 18916-18922 | 3.8 | 53 |
| 20 | Preparation, characterization and photocatalytic properties of CdS nanoparticles dotted on the surface of carbon nanotubes. <i>Nanotechnology</i> , 2008 , 19, 115709 | 3.4 | 83 |
| 19 | Cu_2O nanorods with large surface area for photodegradation of organic pollutant under visible light 2007 , | | 1 |
| 18 | Preparation of multi-walled carbon nanotube supported TiO_2 and its photocatalytic activity in the reduction of CO_2 with H_2O . <i>Carbon</i> , 2007 , 45, 717-721 | 10.4 | 307 |
| 17 | High spatially resolved morphological, structural and spectroscopical studies on copper oxide nanocrystals. <i>Nanotechnology</i> , 2007 , 18, 075705 | 3.4 | 15 |
| 16 | Dropwise condensation on superhydrophobic surfaces with two-tier roughness. <i>Applied Physics Letters</i> , 2007 , 90, 173108 | 3.4 | 275 |
| 15 | In situ Fenton reagent generated from $\text{TiO}_2/\text{Cu}_2\text{O}$ composite film: a new way to utilize TiO_2 under visible light irradiation. <i>Environmental Science & Technology</i> , 2007 , 41, 6264-9 | 10.3 | 209 |
| 14 | Facile Synthesis of Flowerlike Cu_2O Nanoarchitectures by a Solution Phase Route. <i>Crystal Growth and Design</i> , 2007 , 7, 87-92 | 3.5 | 134 |
| 13 | Preparation of Fenton reagent with H_2O_2 generated by solar light-illuminated nano- $\text{Cu}_2\text{O}/\text{MWNTs}$ composites. <i>Applied Catalysis A: General</i> , 2006 , 299, 292-297 | 5.1 | 88 |

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|----|--|------|-----|
| 12 | Coating MWNTs with Cu ₂ O of different morphology by a polyol process. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 1488-1494 | 3.3 | 47 |
| 11 | Hydrothermal preparation and visible-light photocatalytic activity of Bi ₂ WO ₆ powders. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 1968-1972 | 3.3 | 266 |
| 10 | Enhancement of photocatalytic activity of mesoporous TiO ₂ by using carbon nanotubes. <i>Applied Catalysis A: General</i> , 2005 , 289, 186-196 | 5.1 | 397 |
| 9 | Enhancement of adsorption and photocatalytic activity of TiO ₂ by using carbon nanotubes for the treatment of azo dye. <i>Applied Catalysis B: Environmental</i> , 2005 , 61, 1-11 | 21.8 | 346 |
| 8 | Sonication assisted deposition of Cu ₂ O nanoparticles on multiwall carbon nanotubes with polyol process. <i>Carbon</i> , 2005 , 43, 670-673 | 10.4 | 52 |
| 7 | Synthesis and Characteristic of Cuprous Oxide Nano-Whiskers with Photocatalytic Activity under Visible Light. <i>Materials Science Forum</i> , 2005 , 475-479, 3531-3534 | 0.4 | 5 |
| 6 | One-dimensional shape-controlled preparation of porous Cu ₂ O nano-whiskers by using CTAB as a template. <i>Journal of Solid State Chemistry</i> , 2004 , 177, 4640-4647 | 3.3 | 101 |
| 5 | Adsorption of water-soluble dyes onto modified resin. <i>Chemosphere</i> , 2004 , 54, 425-30 | 8.4 | 114 |
| 4 | Adsorption of Water-Soluble Dyes onto Resin NKZ. <i>Industrial & Engineering Chemistry Research</i> , 2003 , 42, 6898-6903 | 3.9 | 35 |
| 3 | Effect of Dye Structure on the Interaction between Organic Flocculant PAN-DCD and Dye. <i>Industrial & Engineering Chemistry Research</i> , 2002 , 41, 1589-1596 | 3.9 | 25 |
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