

# Xiaofei Yang

## 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.

135  
papers

7,154  
citations

47  
h-index

82  
g-index

143  
ext. papers

9,247  
ext. citations

8.4  
avg, IF

6.73  
L-index

| #   | Paper   | IF   | Citations |
|-----|---|------|-----------|
| 135 | Ultra-high photocatalytic hydrogen evolution performance of coupled 1D CdS/1T-phase dominated 2D WS <sub>2</sub> nanoheterojunctions. <i>Chinese Journal of Catalysis</i> , <b>2022</b> , 43, 403-409   | 11.3 | 4         |
| 134 | Design and performance boost of a MOF-functionalized-wood solar evaporator through tuning the hydrogen-bonding interactions. <i>Nano Energy</i> , <b>2022</b> , 95, 107016  | 17.1 | 19        |
| 133 | Integrated reduced graphene oxide/polypyrrole hybrid aerogels for simultaneous photocatalytic decontamination and water evaporation. <i>Applied Catalysis B: Environmental</i> , <b>2022</b> , 301, 120820  | 21.8 | 10        |
| 132 | Coupling solar-driven photothermal effect into photocatalysis for sustainable water treatment. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 423, 127128  | 12.8 | 16        |
| 131 | The Similarity of Floral Scent Composition in Two <i>Breynia</i> Species Pollinated by the Same Host-Specific Epicephala Moth. <i>Diversity</i> , <b>2022</b> , 14, 266   | 2.5  | 1         |
| 130 | Advances and Promises of 2D MXenes as Cocatalysts for Artificial Photosynthesis. <i>Solar Rrl</i> , <b>2021</b> , 5, 2109603  | 6.0  | 4         |
| 129 | Nucleophilic Reactions of Osmanaphthalynes with PMe and H <sub>2</sub> O. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 9328-9335   | 4.8  | 2         |
| 128 | Temperature-dependent synthesis of MOF-derived Co@N-doped carbon nanotube nanocomposites toward accelerated reduction of 4-nitrophenol. <i>Composites Communications</i> , <b>2021</b> , 25, 100718   | 6.7  | 5         |
| 127 | Surface Patterning of Two-Dimensional Nanostructure-Embedded Photothermal Hydrogels for High-Yield Solar Steam Generation. <i>ACS Nano</i> , <b>2021</b> , 15, 10366-10376  | 16.7 | 66        |
| 126 | Dual-Zone Photothermal Evaporator for Antisalt Accumulation and Highly Efficient Solar Steam Generation. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2102618   | 15.6 | 69        |
| 125 | Uncovering the origin of full-spectrum visible-light-responsive polypyrrole supramolecular photocatalysts. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 287, 119926  | 21.8 | 16        |
| 124 | Intraspecific variation in tree growth responses to neighbourhood composition and seasonal drought in a tropical forest. <i>Journal of Ecology</i> , <b>2021</b> , 109, 26-37   | 6    | 8         |
| 123 | On the modelling of tropical tree growth: the importance of intra-specific trait variation, non-linear functions and phenotypic integration. <i>Annals of Botany</i> , <b>2021</b> , 127, 533-542   | 4.1  | 6         |
| 122 | In situ construction of protonated g-C <sub>3</sub> N <sub>4</sub> /Ti <sub>3</sub> C <sub>2</sub> MXene Schottky heterojunctions for efficient photocatalytic hydrogen production. <i>Chinese Journal of Catalysis</i> , <b>2021</b> , 42, 107-114 | 11.3 | 68        |
| 121 | Lignin-Incorporated Supramolecular Copolymerization Yielding g-C <sub>3</sub> N <sub>4</sub> Nanoarchitectures for Efficient Photocatalytic Hydrogen Evolution. <i>Solar Rrl</i> , <b>2021</b> , 5, 2000486   | 7.1  | 20        |
| 120 | Same materials, bigger output: A reversibly transformable 2DBD photothermal evaporator for highly efficient solar steam generation. <i>Nano Energy</i> , <b>2021</b> , 79, 105477   | 17.1 | 87        |
| 119 | Mechanistic insights into the catalytic reduction of nitrophenols on noble metal nanoparticles/N-doped carbon black composites. <i>Composites Communications</i> , <b>2021</b> , 23, 100580   | 6.7  | 5         |

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| 118 | Evidencing Interfacial Charge Transfer in 2D CdS/2D MXene Schottky Heterojunctions toward High-Efficiency Photocatalytic Hydrogen Production. <i>Solar Rrl</i> , <b>2021</b> , 5, 2000414   | 7.1  | 46  |
| 117 | Heterostructured MoSe <sub>2</sub> /Oxygen-Terminated Ti <sub>3</sub> C <sub>2</sub> MXene Architectures for Efficient Electrocatalytic Hydrogen Evolution. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 4609-4615                                 | 4.1  | 24  |
| 116 | Architecting a bifunctional solar evaporator of perovskite La <sub>0.5</sub> Sr <sub>0.5</sub> CoO <sub>3</sub> for solar evaporation and degradation. <i>Journal of Materials Science</i> , <b>2021</b> , 56, 18625                                | 4.3  | 2   |
| 115 | Mixed-dimensional 1D CdS/2D MoSe <sub>2</sub> heterostructures for high-performance photocatalytic hydrogen production. <i>Surfaces and Interfaces</i> , <b>2021</b> , 25, 101192   | 4.1  | 4   |
| 114 | Nanocarbon encapsulating Ni-doped MoP/graphene composites for highly improved electrocatalytic hydrogen evolution reaction. <i>Composites Communications</i> , <b>2021</b> , 26, 100792   | 6.7  | 10  |
| 113 | Osmaindenes: Synthesis and Reversible Mechanochromism Characteristics. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 14645-14652  | 4.8  | 1   |
| 112 | Enhancing solar steam generation using a highly thermally conductive evaporator support. <i>Science Bulletin</i> , <b>2021</b> , 66, 2479-2479  | 10.6 | 41  |
| 111 | Synergy of photocatalysis and photothermal effect in integrated 0D perovskite oxide/2D MXene heterostructures for simultaneous water purification and solar steam generation. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 295, 120285 | 21.8 | 45  |
| 110 | Metabolic changes and stress damage induced by ammonia exposure in juvenile Eriocheir sinensis. <i>Ecotoxicology and Environmental Safety</i> , <b>2021</b> , 223, 112608   | 7    | 3   |
| 109 | Effects of chronic exposure of waterborne copper on the antioxidant system and tissue accumulation in golden trout ( <i>Oncorhynchus mykiss aguabonita</i> ). <i>Fish Physiology and Biochemistry</i> , <b>2020</b> , 46, 1537-1547                 | 2.7  | 0   |
| 108 | Stackable nickel@cobalt@polydopamine nanosheet based photothermal sponges for highly efficient solar steam generation. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 11665-11673   | 13   | 91  |
| 107 | Recent Advances in Conjugated Polymers for Visible-Light-Driven Water Splitting. <i>Advanced Materials</i> , <b>2020</b> , 32, e1907296   | 24   | 141 |
| 106 | Implementing Hybrid Energy Harvesting in 3D Spherical Evaporator for Solar Steam Generation and Synergic Water Purification. <i>Solar Rrl</i> , <b>2020</b> , 4, 2000232  | 7.1  | 49  |
| 105 | Near-Complete Suppression of Oxygen Evolution for Photoelectrochemical HO Oxidative HO Synthesis. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 8641-8648  | 16.4 | 68  |
| 104 | Biomass derived Janus solar evaporator for synergic water evaporation and purification. <i>Sustainable Materials and Technologies</i> , <b>2020</b> , 25, e00180  | 5.3  | 29  |
| 103 | Recent advances in MXenes supported semiconductors based photocatalysts: Properties, synthesis and photocatalytic applications. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2020</b> , 85, 1-33                                     | 6.3  | 46  |
| 102 | Boosting solar steam generation by structure enhanced energy management. <i>Science Bulletin</i> , <b>2020</b> , 65, 1380-1388  | 10.6 | 109 |
| 101 | Additives Control the Stability of Amorphous Calcium Carbonate via Two Different Mechanisms: Surface Adsorption versus Bulk Incorporation. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2000003   | 15.6 | 19  |

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| 100 | Activation of graphitic carbon nitride by solvent-mediated supramolecular assembly for enhanced hydrogen evolution. <i>Applied Surface Science</i> , <b>2020</b> , 525, 146444   | 6.7  | 13  |
| 99  | Porous Ni <sub>5</sub> P <sub>4</sub> as a promising cocatalyst for boosting the photocatalytic hydrogen evolution reaction performance. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 275, 119144                           | 21.8 | 116 |
| 98  | In situ fabrication of 1D CdS nanorod/2D Ti <sub>3</sub> C <sub>2</sub> MXene nanosheet Schottky heterojunction toward enhanced photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 268, 118382 | 21.8 | 219 |
| 97  | Sacrificial Agent-Free Photocatalytic Oxygen Evolution from Water Splitting over Ag <sub>3</sub> PO <sub>4</sub> /MXene Hybrids. <i>Solar Rrl</i> , <b>2020</b> , 4, 1900434   | 7.1  | 33  |
| 96  | Hierarchical ultrathin carbon encapsulating transition metal doped MoP electrocatalysts for efficient and pH-universal hydrogen evolution reaction. <i>Nano Energy</i> , <b>2020</b> , 70, 104445  | 17.1 | 61  |
| 95  | Anchoring Co <sub>3</sub> O <sub>4</sub> nanoparticles on MXene for efficient electrocatalytic oxygen evolution. <i>Science Bulletin</i> , <b>2020</b> , 65, 460-466   | 10.6 | 70  |
| 94  | Revealing and accelerating interfacial charge carrier dynamics in Z-scheme heterojunctions for highly efficient photocatalytic oxygen evolution. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 268, 118445                   | 21.8 | 43  |
| 93  | Energy Manipulation in Lanthanide-Doped Core-Shell Nanoparticles for Tunable Dual-Mode Luminescence toward Advanced Anti-Counterfeiting. <i>Advanced Materials</i> , <b>2020</b> , 32, e2002121  | 24   | 61  |
| 92  | Reversing heat conduction loss: Extracting energy from bulk water to enhance solar steam generation. <i>Nano Energy</i> , <b>2020</b> , 78, 105269   | 17.1 | 101 |
| 91  | Mechanistic insights into charge carrier dynamics in MoSe <sub>2</sub> /CdS heterojunctions for boosted photocatalytic hydrogen evolution. <i>Materials Today Physics</i> , <b>2020</b> , 15, 100261                                     | 8    | 16  |
| 90  | Conspecific negative density dependence in rainy season enhanced seedling diversity across habitats in a tropical forest. <i>Oecologia</i> , <b>2020</b> , 193, 949-957  | 2.9  | 4   |
| 89  | Turning Trash into Treasure: Pencil Waste-Derived Materials for Solar-Powered Water Evaporation. <i>Energy Technology</i> , <b>2020</b> , 8, 2000567   | 3.5  | 18  |
| 88  | Sacrificial Agent-Free Photocatalytic Oxygen Evolution from Water Splitting over Ag <sub>3</sub> PO <sub>4</sub> /MXene Hybrids. <i>Solar Rrl</i> , <b>2020</b> , 4, 2070082   | 7.1  | 4   |
| 87  | Constructing 0D FeP Nanodots/2D g-C <sub>3</sub> N <sub>4</sub> Nanosheets Heterojunction for Highly Improved Photocatalytic Hydrogen Evolution. <i>ChemCatChem</i> , <b>2019</b> , 11, 6310-6315  | 5.2  | 23  |
| 86  | Metal-Oxide-Mediated Subtractive Manufacturing of Two-Dimensional Carbon Nitride for High-Efficiency and High-Yield Photocatalytic H Evolution. <i>ACS Nano</i> , <b>2019</b> , 13, 11294-11302  | 16.7 | 66  |
| 85  | Fabrication of doped SmBaCo <sub>2</sub> O <sub>5+<math>\delta</math></sub> double perovskites for enhanced solar-driven interfacial evaporation. <i>Ceramics International</i> , <b>2019</b> , 45, 24903-24908                          | 5.1  | 9   |
| 84  | Probing supramolecular assembly and charge carrier dynamics toward enhanced photocatalytic hydrogen evolution in 2D graphitic carbon nitride nanosheets. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 256, 117867           | 21.8 | 89  |
| 83  | Oxamide-modified g-C <sub>3</sub> N <sub>4</sub> nanostructures: Tailoring surface topography for high-performance visible light photocatalysis. <i>Chemical Engineering Journal</i> , <b>2019</b> , 374, 1064-1075                      | 14.7 | 170 |

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|----|---|------|-----|
| 82 | Porous nitrogen-rich g-C <sub>3</sub> N <sub>4</sub> nanotubes for efficient photocatalytic CO <sub>2</sub> reduction. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 256, 117854  | 21.8 | 152 |
| 81 | Self-assembled g-C <sub>3</sub> N <sub>4</sub> nanoarchitectures with boosted photocatalytic solar-to-hydrogen efficiency. <i>Applied Surface Science</i> , <b>2019</b> , 487, 59-67  | 6.7  | 37  |
| 80 | Localized Surface Plasmon Resonance Induced Band Gap Regulation Governing the Excellent Photocatalytic Performance of Ag/g-C <sub>3</sub> N <sub>4</sub> Heterostructure. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2019</b> , 19, 5582-5590          | 1.3  | 5   |
| 79 | Accelerating photocatalytic hydrogen evolution and pollutant degradation by coupling organic co-catalysts with TiO <sub>2</sub> . <i>Chinese Journal of Catalysis</i> , <b>2019</b> , 40, 380-389   | 11.3 | 88  |
| 78 | Remarkable Enhancement in Solar Oxygen Evolution from MoSe <sub>2</sub> /Ag <sub>3</sub> PO <sub>4</sub> Heterojunction Photocatalyst via In Situ Constructing Interfacial Contact. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 8466-8474 | 8.3  | 77  |
| 77 | Unveiling the origin of boosted photocatalytic hydrogen evolution in simultaneously (S, P, O)-Codoped and exfoliated ultrathin g-C <sub>3</sub> N <sub>4</sub> nanosheets. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 248, 84-94                   | 21.8 | 203 |
| 76 | Fabrication of dual direct Z-scheme g-C <sub>3</sub> N <sub>4</sub> /MoS <sub>2</sub> /Ag <sub>3</sub> PO <sub>4</sub> photocatalyst and its oxygen evolution performance. <i>Applied Surface Science</i> , <b>2019</b> , 463, 9-17                               | 6.7  | 118 |
| 75 | Reversible Switching of the Amphiphilicity of Organic-Inorganic Hybrids by Adsorption-Desorption Manipulation. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 21097-21102  | 3.8  | 1   |
| 74 | Unveiling the Origin of the High Catalytic Activity of Ultrathin 1T/2H MoSe Nanosheets for the Hydrogen Evolution Reaction: A Combined Experimental and Theoretical Study. <i>ChemSusChem</i> , <b>2019</b> , 12, 5015-5022                                       | 8.3  | 21  |
| 73 | Surface engineering of ultrasmall supported PdBi nanoalloys with enhanced electrocatalytic activity for selective alcohol oxidation. <i>Chemical Communications</i> , <b>2019</b> , 55, 13566-13569   | 5.8  | 7   |
| 72 | One-pot syntheses of irida-polycyclic aromatic hydrocarbons. <i>Chemical Science</i> , <b>2019</b> , 10, 10894-10899  | 9.4  | 5   |
| 71 | Interfacial optimization of g-C <sub>3</sub> N <sub>4</sub> -based Z-scheme heterojunction toward synergistic enhancement of solar-driven photocatalytic oxygen evolution. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 244, 240-249                 | 21.8 | 217 |
| 70 | Designing a highly efficient polysulfide conversion catalyst with paramontroseite for high-performance and long-life lithium-sulfur batteries. <i>Nano Energy</i> , <b>2019</b> , 57, 230-240   | 17.1 | 134 |
| 69 | Effects of different deodorising processes on the off-odour compounds and gel properties of common carp surimi. <i>International Journal of Food Science and Technology</i> , <b>2018</b> , 53, 2045-2053   | 3.8  | 11  |
| 68 | The Mutual Adaption Between the Ovipositor of <i>Epicephala eriocarpa</i> and the Style of <i>Glochidion eriocarpum</i> . <i>Journal of Insect Behavior</i> , <b>2018</b> , 31, 264-276   | 1.1  |     |
| 67 | 3D reduced graphene oxide aerogel-mediated Z-scheme photocatalytic system for highly efficient solar-driven water oxidation and removal of antibiotics. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 232, 562-573                                    | 21.8 | 189 |
| 66 | Fabrication of modified g-C <sub>3</sub> N <sub>4</sub> nanorod/Ag <sub>3</sub> PO <sub>4</sub> nanocomposites for solar-driven photocatalytic oxygen evolution from water splitting. <i>Applied Surface Science</i> , <b>2018</b> , 430, 301-308                 | 6.7  | 73  |
| 65 | Intrinsic Lattice Relationship of Catalyst/Nanowire Interfaces by Heating High-Resolution Transmission Electron Microscopy. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 4911-4919  | 3.5  | 4   |

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|----|---|------|-----|
| 64 | Insights Into Highly Improved Solar-Driven Photocatalytic Oxygen Evolution Over Integrated AgPO/MoS Heterostructures. <i>Frontiers in Chemistry</i> , <b>2018</b> , 6, 123  | 5    | 13  |
| 63 | Porous MoP network structure as co-catalyst for H <sub>2</sub> evolution over g-C <sub>3</sub> N <sub>4</sub> nanosheets. <i>Applied Surface Science</i> , <b>2018</b> , 462, 822-830   | 6.7  | 92  |
| 62 | Anchoring metal-organic framework nanoparticles on graphitic carbon nitrides for solar-driven photocatalytic hydrogen evolution. <i>Applied Surface Science</i> , <b>2018</b> , 455, 403-409  | 6.7  | 79  |
| 61 | Dual Z-scheme g-C <sub>3</sub> N <sub>4</sub> /Ag <sub>3</sub> PO <sub>4</sub> /Ag <sub>2</sub> MoO <sub>4</sub> ternary composite photocatalyst for solar oxygen evolution from water splitting. <i>Applied Surface Science</i> , <b>2018</b> , 456, 369-378 | 6.7  | 156 |
| 60 | Solar photocatalytic water oxidation over Ag <sub>3</sub> PO <sub>4</sub> /g-C <sub>3</sub> N <sub>4</sub> composite materials mediated by metallic Ag and graphene. <i>Applied Surface Science</i> , <b>2018</b> , 430, 108-115                              | 6.7  | 78  |
| 59 | Carbon Nanotube with Vertical 2D Molybdenum Sulphoselenide Nanosheet Arrays for Boosting Electrocatalytic Hydrogen Evolution. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 7035-7045  | 6.1  | 20  |
| 58 | The strength of density-dependent mortality is contingent on climate and seedling size. <i>Journal of Vegetation Science</i> , <b>2018</b> , 29, 662-670  | 3.1  | 12  |
| 57 | From Millimeter to Subnanometer: Vapor-Solid Deposition of Carbon Nitride Hierarchical Nanostructures Directed by Supramolecular Assembly. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 8546-8550  | 3.6  | 14  |
| 56 | From Millimeter to Subnanometer: Vapor-Solid Deposition of Carbon Nitride Hierarchical Nanostructures Directed by Supramolecular Assembly. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 8426-8430                                     | 16.4 | 66  |
| 55 | Construction of carbon nitride and MoS <sub>2</sub> quantum dot 2D/0D hybrid photocatalyst: Direct Z-scheme mechanism for improved photocatalytic activity. <i>Chinese Journal of Catalysis</i> , <b>2017</b> , 38, 2160-2170                                 | 11.3 | 133 |
| 54 | Disclosing the High Activity of Ceramic Metallics in the Oxygen Evolution Reaction: Nickel Materials as a Case Study. <i>ChemSusChem</i> , <b>2016</b> , 9, 2928-2932   | 8.3  | 18  |
| 53 | Synthesis of Organized Layered Carbon by Self-Templating of Dithioamide. <i>Advanced Materials</i> , <b>2016</b> , 28, 6727-33  | 24   | 50  |
| 52 | Band gap and morphology engineering of TiO <sub>2</sub> by silica and fluorine co-doping for efficient ultraviolet and visible photocatalysis. <i>RSC Advances</i> , <b>2016</b> , 6, 63117-63130   | 3.7  | 25  |
| 51 | In-situ fabrication of Ag/g-C <sub>3</sub> N <sub>4</sub> composite materials with improved photocatalytic activity by coordination-driven assembly of precursors. <i>Ceramics International</i> , <b>2016</b> , 42, 5575-5581                                | 5.1  | 16  |
| 50 | Solvent-induced controllable synthesis of recyclable Ag <sub>2</sub> CO <sub>3</sub> catalysts with enhanced visible light photocatalytic activity. <i>Ceramics International</i> , <b>2016</b> , 42, 13411-13420   | 5.1  | 12  |
| 49 | Silver phosphate/graphitic carbon nitride as an efficient photocatalytic tandem system for oxygen evolution. <i>ChemSusChem</i> , <b>2015</b> , 8, 1350-8   | 8.3  | 166 |
| 48 | Nickel nitride as an efficient electrocatalyst for water splitting. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 8171-8177  | 13   | 325 |
| 47 | Tuning the morphology of g-C <sub>3</sub> N <sub>4</sub> for improvement of Z-scheme photocatalytic water oxidation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 15285-93  | 9.5  | 225 |



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| 46 | Three new species of <i>Epicephala</i> Meyrick (Lepidoptera, Gracillariidae) associated with <i>Phyllanthusmicrocarpus</i> (Benth.) (Phyllanthaceae). <i>ZooKeys</i> , <b>2015</b> , 71-81                             | 1.2  | 11  |
| 45 | Fabrication of P25/Ag3PO4/graphene oxide heterostructures for enhanced solar photocatalytic degradation of organic pollutants and bacteria. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 166-167, 231-240 | 21.8 | 242 |
| 44 | Ag/ZnO/graphene oxide heterostructure for the removal of rhodamine B by the synergistic adsorption-degradation effects. <i>Ceramics International</i> , <b>2015</b> , 41, 4231-4237                                    | 5.1  | 35  |
| 43 | Electric Control of Friction on Silicon Studied by Atomic Force Microscope. <i>Nano</i> , <b>2015</b> , 10, 1550038  | 1.1  | 6   |
| 42 | The Complex Role of Carbon Nitride as a Sensitizer in Photoelectrochemical Cells. <i>Advanced Optical Materials</i> , <b>2015</b> , 3, 1052-1058   | 8.1  | 35  |
| 41 | Supramolecular Chemistry in Molten Sulfur: Preorganization Effects Leading to Marked Enhancement of Carbon Nitride Photoelectrochemistry. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 6265-6271           | 15.6 | 74  |
| 40 | Tetragonal-Orthorhombic-Cubic Phase Transitions in Ag2Se Nanocrystals. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 5647-5653   | 9.6  | 44  |
| 39 | Synthesis and improved photocatalytic activity of ultrathin TiO2 nanosheets with nearly 100% exposed (001) facets. <i>Ceramics International</i> , <b>2014</b> , 40, 16817-16823                                       | 5.1  | 30  |
| 38 | Solid state synthesis of Fe2P nanoparticles as high-performance anode materials for nickel-based rechargeable batteries. <i>Journal of Power Sources</i> , <b>2014</b> , 253, 360-365                                  | 8.9  | 37  |
| 37 | Bifunctional TiO2/Ag3PO4/graphene composites with superior visible light photocatalytic performance and synergistic inactivation of bacteria. <i>RSC Advances</i> , <b>2014</b> , 4, 18627-18636                       | 3.7  | 156 |
| 36 | Fabrication of a Stable Superhydrophobic Polypropylene Surface by Utilizing Acetone as a Non-Solvent. <i>Journal of Dispersion Science and Technology</i> , <b>2013</b> , 34, 134-139                                  | 1.5  | 11  |
| 35 | Hydrothermal synthesis and visible-light photocatalytic activity of Fe2O3/TiO2 composite hollow microspheres. <i>Ceramics International</i> , <b>2013</b> , 39, 8633-8640  | 5.1  | 80  |
| 34 | Morphology-controlled synthesis of Ag3PO4 microcubes with enhanced visible-light-driven photocatalytic activity. <i>Ceramics International</i> , <b>2013</b> , 39, 9715-9720   | 5.1  | 44  |
| 33 | Synthesis of reduced graphene oxide/Cu nanoparticle composites and their tribological properties. <i>RSC Advances</i> , <b>2013</b> , 3, 26086   | 3.7  | 53  |
| 32 | Graphene-spindle shaped TiO2 mesocrystal composites: facile synthesis and enhanced visible light photocatalytic performance. <i>Journal of Hazardous Materials</i> , <b>2013</b> , 261, 342-50                         | 12.8 | 105 |
| 31 | Fabrication of Ag3PO4-Graphene Composites with Highly Efficient and Stable Visible Light Photocatalytic Performance. <i>ACS Catalysis</i> , <b>2013</b> , 3, 363-369   | 13.1 | 515 |
| 30 | Facile synthesis of graphene oxide-enwrapped Ag3PO4 composites with highly efficient visible light photocatalytic performance. <i>Materials Letters</i> , <b>2013</b> , 93, 28-31                                      | 3.3  | 82  |
| 29 | Template-assisted hydrothermal synthesis and photocatalytic activity of novel TiO2 hollow nanostructures. <i>Ceramics International</i> , <b>2013</b> , 39, 4969-4974  | 5.1  | 33  |

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|----|--|-----|----|
| 28 | A new one-step synthesis method for coating multi-walled carbon nanotubes with iron oxide nanorods. <i>Journal of Nanoparticle Research</i> , <b>2012</b> , 14, 1  | 2.3 | 8  |
| 27 | Preparation, characterization and photocatalytic activities of ZrWMoO <sub>8</sub> /Ag composites with core-shell structure. <i>Applied Surface Science</i> , <b>2012</b> , 261, 593-597                   | 6.7 | 10 |
| 26 | Graphite-Controlled Fabrication of Ultrathin WSe <sub>2</sub> Nanosheets with Tower-Like Structure and Their Tribological Properties. <i>Tribology Transactions</i> , <b>2012</b> , 55, 297-301            | 1.8 | 3  |
| 25 | Facile hydrothermal synthesis and photocatalytic activity of rod-like nanosized silver tungstate. <i>Micro and Nano Letters</i> , <b>2012</b> , 7, 1285-1288   | 0.9 | 41 |
| 24 | Tribological behavior of a charged atomic force microscope tip on graphene oxide films. <i>Nanotechnology</i> , <b>2012</b> , 23, 495703   | 3.4 | 12 |
| 23 | Hydrothermal synthesis and characterisation of glutamine-modified rod-like hydroxyapatite nanoparticles. <i>Micro and Nano Letters</i> , <b>2012</b> , 7, 1292-1295  | 0.9 | 4  |
| 22 | Diffuse coevolution between two Epicephala species (Gracillariidae) and two Breynia species (Phyllanthaceae). <i>PLoS ONE</i> , <b>2012</b> , 7, e41657  | 3.7 | 17 |
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| 20 | Fabrication of carbon-encapsulated tungsten diselenide nanorods. <i>Materials Letters</i> , <b>2011</b> , 65, 1231-1233  | 3.3 | 3  |
| 19 | A facile one-step hydrothermal method to produce graphene/MoO <sub>3</sub> nanorod bundle composites. <i>Materials Letters</i> , <b>2011</b> , 65, 2341-2344   | 3.3 | 32 |
| 18 | Buttress trees elevate soil heterogeneity and regulate seedling diversity in a tropical rainforest. <i>Plant and Soil</i> , <b>2011</b> , 338, 301-309   | 4.2 | 7  |
| 17 | Synthesis and characterization of mulberry-like Fe <sub>3</sub> O <sub>4</sub> /multiwalled carbon nanotube nanocomposites. <i>Journal of Nanoparticle Research</i> , <b>2011</b> , 13, 5457-5464          | 2.3 | 7  |
| 16 | Synthesis and tribological properties of hexagonal titanium silicon carbide crystals. <i>Crystal Research and Technology</i> , <b>2011</b> , 46, 178-182   | 1.3 | 4  |
| 15 | Synthesis and tribological properties of copper matrix solid self-lubricant composites reinforced with NbSe <sub>2</sub> nanoparticles. <i>Crystal Research and Technology</i> , <b>2011</b> , 46, 195-200 | 1.3 | 19 |
| 14 | Synthesis and tribological properties of NbSe <sub>3</sub> nanofibers and NbSe <sub>2</sub> microsheets. <i>Crystal Research and Technology</i> , <b>2011</b> , 46, 400-404                                | 1.3 | 13 |
| 13 | synthesis of high-quality crystalline BiMoO <sub>3</sub> nanobelts. <i>Crystal Research and Technology</i> , <b>2011</b> , 46, 409-412   | 2.3 | 23 |
| 12 | Hydrothermal synthesis of MoO <sub>3</sub> nanobelt-graphene composites. <i>Crystal Research and Technology</i> , <b>2011</b> , 46, 1195-1201  | 1.3 | 51 |
| 11 | Facile morphology-controlled hydrothermal synthesis of flower-like self-organized ZnO architectures. <i>Crystal Research and Technology</i> , <b>2011</b> , 46, 1189-1194                                  | 1.3 | 7  |



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| 8  | Surfactant-assisted synthesis of novel star-like PbWO <sub>4</sub> hierarchical architectures. <i>Crystal Research and Technology</i> , <b>2010</b> , 45, 1094-1098   | 1.3 | 11 |
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| 6  | Characterization of lanthanum salicylate complex nanoparticles in situ synthesized in silica matrix by a sol-gel process. <i>Materials Letters</i> , <b>2004</b> , 58, 757-761  | 3.3 | 4  |
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| 4  | Syntheses of RE(Hsal) <sub>3</sub> ·nH <sub>2</sub> O (RE=Eu, Y; Hsal=C <sub>7</sub> H <sub>5</sub> O <sub>3</sub> ) by solid-state reactions at room temperature. <i>Materials Letters</i> , <b>2003</b> , 57, 3609-3613   | 3.3 | 3  |
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| 1  | Synthesis of Two-Dimensional Ultrathin Photocatalytic Materials toward more Sustainable Environment. <i>Green Chemistry</i> ,   | 10  | 2  |