

# Zhidong Xiao

## List of Publications by Year in descending order

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33  
papers

1,336  
citations

394421

19  
h-index

434195

31  
g-index

33  
all docs

33  
docs citations

33  
times ranked

2143  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Multifunctional Two-Dimensional Core-Shell MXene@Gold Nanocomposites for Enhanced Photo-Radio Combined Therapy in the Second Biological Window. ACS Nano, 2019, 13, 284-294.  | 14.6 | 232       |
| 2  | N-doped graphene coupled with Co nanoparticles as an efficient electrocatalyst for oxygen reduction in alkaline media. Journal of Power Sources, 2016, 302, 114-125.  | 7.8  | 135       |
| 3  | Solvent-mediated synthesis of magnetic Fe <sub>2</sub> O <sub>3</sub> chestnut-like amorphous-core/ $\gamma$ -phase-shell hierarchical nanostructures with strong As(v) removal capability. Journal of Materials Chemistry, 2011, 21, 5414.               | 6.7  | 131       |
| 4  | Titanium carbide nanosheets with defect structure for photothermal-enhanced sonodynamic therapy. Bioactive Materials, 2022, 8, 409-419.   | 15.6 | 87        |
| 5  | Formation and Optical Properties of Thin and Wide Tin-doped ZnO Nanobelts. Chemistry Letters, 2005, 34, 436-437.  | 1.3  | 81        |
| 6  | In Situ Generated H <sub>2</sub> Bubble-Engaged Assembly: A One-Step Approach for Shape-Controlled Growth of Fe Nanostructures. Chemistry of Materials, 2008, 20, 3535-3539.  | 6.7  | 70        |
| 7  | Fabrication and structural characterization of porous tungsten oxide nanowires. Nanotechnology, 2005, 16, 2647-2650.  | 2.6  | 60        |
| 8  | In situ generated gas bubble-assisted modulation of the morphologies, photocatalytic, and magnetic properties of ferric oxide nanostructures synthesized by thermal decomposition of iron nitrate. Journal of Nanoparticle Research, 2010, 12, 3025-3037. | 1.9  | 57        |
| 9  | Nitrogen and Sulfur Codoped Reduced Graphene Oxide as a General Platform for Rapid and Sensitive Fluorescent Detection of Biological Species. ACS Applied Materials & Interfaces, 2016, 8, 11255-11261.   | 8.0  | 54        |
| 10 | Biont shell catalyst for biodiesel production. Green Chemistry, 2009, 11, 355-364.  | 9.0  | 50        |
| 11 | Amplifying the signal of localized surface plasmon resonance sensing for the sensitive detection of Escherichia coli O157:H7. Scientific Reports, 2017, 7, 3288.  | 3.3  | 37        |
| 12 | Flower-like porous hematite nanoarchitectures achieved by complexation-mediated oxidation-hydrolysis reaction. Journal of Colloid and Interface Science, 2011, 357, 36-45.  | 9.4  | 33        |
| 13 | $\gamma$ -MnO <sub>2</sub> nanowires transformed from precursor $\beta$ -MnO <sub>2</sub> by refluxing under ambient pressure: The key role of pH and growth mechanism. Materials Chemistry and Physics, 2011, 125, 678-685.                              | 4.0  | 32        |
| 14 | High-Density, Aligned SiO <sub>2</sub> Nanowire Arrays: Microscopic Imaging of the Unique Growth Style and Their Ultraviolet Light Emission Properties. Journal of Physical Chemistry B, 2006, 110, 15724-15728.  | 2.6  | 30        |
| 15 | Etched-spiky Au@Ag plasmonic-superstructure monolayer films for triple amplification of surface-enhanced Raman scattering signals. Nanoscale Horizons, 2022, 7, 554-561.  | 8.0  | 29        |
| 16 | Synthesis and characterization of novel flower-shaped ZnO nanostructures. Materials Chemistry and Physics, 2007, 105, 194-198.  | 4.0  | 28        |
| 17 | Synthesis of polystyrene-based fluorescent quantum dots nanolabel and its performance in H5N1 virus and SARS-CoV-2 antibody sensing. Talanta, 2021, 225, 122064.  | 5.5  | 24        |
| 18 | Synthesis of Monodisperse Plasmonic Magnetic Microbeads and Their Application in Ultrasensitive Detection of Biomolecules. Analytical Chemistry, 2018, 90, 8178-8187.   | 6.5  | 21        |

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|----|--|-----|-----------|
| 19 | Low-temperature synthesis and structural characterization of single-crystalline tungsten oxide nanorods. <i>Materials Letters</i> , 2007, 61, 1718-1721.   | 2.6 | 20        |
| 20 | One-dimensional hollow SrS nanostructure with red long-lasting phosphorescence. <i>Journal of Alloys and Compounds</i> , 2008, 457, 413-416.   | 5.5 | 19        |
| 21 | Graphene quantum dot-decorated mesoporous silica nanoparticles for high aspirin loading capacity and its pH-triggered release. <i>Analytical Methods</i> , 2016, 8, 2561-2567.   | 2.7 | 18        |
| 22 | Chromium doped barium titanate nano-sandwich particles: A facile synthesis and structure enhanced electrorheological properties. <i>Materials Chemistry and Physics</i> , 2010, 122, 73-78.  | 4.0 | 14        |
| 23 | Ultra-high performance liquid chromatography tandem mass spectrometry for simultaneous analysis of aflatoxins B1, G1, B2, G2, zearalenone and its metabolites in eggs using a QuEChERS-based extraction procedure. <i>Analytical Methods</i> , 2015, 7, 4145-4151. | 2.7 | 13        |
| 24 | A novel gold nanoparticles decorated magnetic microbead-based molecular beacon for DNA multiplexing detection by flow cytometry. <i>Analytica Chimica Acta</i> , 2020, 1110, 19-25.  | 5.4 | 12        |
| 25 | Transdermal Delivery of Praziquantel: Effects of Solvents on Permeation Across Rabbit Skin. <i>Biological and Pharmaceutical Bulletin</i> , 2008, 31, 1045-1048.   | 1.4 | 11        |
| 26 | Animal Bone Supported SnO <sub>2</sub> as Recyclable Photocatalyst for Degradation of Rhodamine B Dye. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 6495-6502.   | 0.9 | 9         |
| 27 | In situ reduction triggers the highly sensitive detection of pesticide by classic gold nanoparticle and quantum dots nanocomposite. <i>Analytica Chimica Acta</i> , 2021, 1172, 338679.  | 5.4 | 9         |
| 28 | Single microbead-based fluorescence detection of biothiols by flow cytometry. <i>Talanta</i> , 2019, 195, 197-203.   | 5.5 | 8         |
| 29 | Synthesis of core-shell structured Ag <sub>3</sub> PO <sub>4</sub> @benzoxazine soft gel nanocomposites and their photocatalytic performance. <i>RSC Advances</i> , 2016, 6, 62244-62251.  | 3.6 | 6         |
| 30 | Single-Crystal CdSe Nanowires Prepared via Vapor-Phase Growth Assisted with Silicon. <i>Journal of Nanoscience and Nanotechnology</i> , 2005, 5, 2088-2092.  | 0.9 | 4         |
| 31 | Synthesis and Characterization of EC / BA / VAc Hybrid Latexes via Pre-Emulsified Semi-Continuous Seed Emulsion Polymerization. <i>Advanced Materials Research</i> , 0, 550-553, 183-187.  | 0.3 | 1         |
| 32 | A direct microcontact printing induced supramolecular interaction for creating shape-tunable patterned polymeric surfaces. <i>Journal of Materials Chemistry C</i> , 2015, 3, 8659-8664.   | 5.5 | 1         |
| 33 | Large-Scale Synthesis of a Novel Tri(8-Hydroxyquinoline) Aluminum Nanostructure. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 2580-2583.  | 0.9 | 0         |