

# Fang Xu

## List of Publications by Year in descending order

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Version: 2024-02-01

76  
papers

2,569  
citations

201575

27  
h-index

197736

49  
g-index

77  
all docs

77  
docs citations

77  
times ranked

4153  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | A green and scalable route to yield porous carbon sheets from biomass for supercapacitors with high capacity. <i>Journal of Materials Chemistry A</i> , 2018, 6, 1244-1254.   | 5.2 | 360       |
| 2  | Synthesis of ZnO/CdS hierarchical heterostructure with enhanced photocatalytic efficiency under nature sunlight. <i>CrystEngComm</i> , 2012, 14, 3615.  | 1.3 | 181       |
| 3  | Biomass derived nitrogen-doped hierarchical porous carbon sheets for supercapacitors with high performance. <i>Journal of Colloid and Interface Science</i> , 2018, 523, 133-143.   | 5.0 | 170       |
| 4  | Nitrogen-Doped Porous Carbons As Electrode Materials for High-Performance Supercapacitor and Dye-Sensitized Solar Cell. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 20234-20244.   | 4.0 | 129       |
| 5  | Mesocrystalline Cu <sub>2</sub> O hollow nanocubes: synthesis and application in non-enzymatic amperometric detection of hydrogen peroxide and glucose. <i>CrystEngComm</i> , 2012, 14, 6639.   | 1.3 | 91        |
| 6  | Ultra-thin Bi <sub>2</sub> WO <sub>6</sub> porous nanosheets with high lattice coherence for enhanced performance for photocatalytic reduction of Cr(VI). <i>Journal of Colloid and Interface Science</i> , 2018, 525, 97-106.  | 5.0 | 84        |
| 7  | Ultrasonic-assisted synthesis of two dimensional BiOCl/MoS <sub>2</sub> with tunable band gap and fast charge separation for enhanced photocatalytic performance under visible light. <i>Journal of Colloid and Interface Science</i> , 2019, 533, 539-547.                                 | 5.0 | 75        |
| 8  | Synthesis of CdS quantum dots decorated graphene nanosheets and non-enzymatic photoelectrochemical detection of glucose. <i>Electrochimica Acta</i> , 2014, 133, 615-622.   | 2.6 | 71        |
| 9  | The synthesis of Bi <sub>2</sub> S <sub>3</sub> /2D-Bi <sub>2</sub> WO <sub>6</sub> composite materials with enhanced photocatalytic activities. <i>Journal of Alloys and Compounds</i> , 2019, 780, 634-642.   | 2.8 | 67        |
| 10 | Br doped porous bismuth oxychloride micro-sheets with rich oxygen vacancies and dominating {001} facets for enhanced nitrogen photo-fixation performances. <i>Journal of Colloid and Interface Science</i> , 2019, 556, 111-119.  | 5.0 | 66        |
| 11 | Compensatory Mutations of Rifampin Resistance Are Associated with Transmission of Multidrug-Resistant Mycobacterium tuberculosis Beijing Genotype Strains in China. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 2807-2812.   | 1.4 | 62        |
| 12 | Enhanced faradic activity by construction of p-n junction within reduced graphene oxide@cobalt nickel sulfide@nickel cobalt layered double hydroxide composite electrode for charge storage in hybrid supercapacitor. <i>Journal of Colloid and Interface Science</i> , 2021, 590, 114-124. | 5.0 | 53        |
| 13 | Application of hierarchical TiO <sub>2</sub> spheres as scattering layer for enhanced photovoltaic performance in dye sensitized solar cell. <i>CrystEngComm</i> , 2013, 15, 3351.  | 1.3 | 52        |
| 14 | Au nanoparticles modified branched TiO <sub>2</sub> nanorod array arranged with ultrathin nanorods for enhanced photoelectrochemical water splitting. <i>Journal of Alloys and Compounds</i> , 2017, 693, 1124-1132.  | 2.8 | 51        |
| 15 | Discovery of susceptibility loci associated with tuberculosis in Han Chinese. <i>Human Molecular Genetics</i> , 2017, 26, 4752-4763.  | 1.4 | 50        |
| 16 | Graphene-Au composite sensor for electrochemical detection of para-nitrophenol. <i>Research on Chemical Intermediates</i> , 2012, 38, 2443-2455.  | 1.3 | 47        |
| 17 | Hierarchical ZnO aggregates assembled by orderly aligned nanorods for dye-sensitized solar cells. <i>CrystEngComm</i> , 2013, 15, 1210.   | 1.3 | 45        |
| 18 | Au nanoparticle decorated WO <sub>3</sub> photoelectrode for enhanced photoelectrochemical properties. <i>RSC Advances</i> , 2015, 5, 60339-60344.  | 1.7 | 42        |

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|----|---|-----|-----------|
| 19 | Anatase TiO <sub>2</sub> nanocrystals enclosed by well-defined crystal facets and their application in dye-sensitized solar cell. <i>CrystEngComm</i> , 2013, 15, 516-523.  | 1.3 | 35        |
| 20 | Molecular Structure and Electronic Properties of Oil Shale Kerogen: An Experimental and Molecular Modeling Study. <i>Energy &amp; Fuels</i> , 2018, 32, 12394-12404.  | 2.5 | 35        |
| 21 | Lanthanide coordination polymer probe for time-gated luminescence sensing of pH in undiluted human serum. <i>Talanta</i> , 2017, 164, 427-431.  | 2.9 | 34        |
| 22 | Toll-like receptor 1 (TLR1) Gene SNP rs5743618 is associated with increased risk for tuberculosis in Han Chinese children. <i>Tuberculosis</i> , 2015, 95, 197-203.   | 0.8 | 33        |
| 23 | Ni and nitrogen-codoped ultrathin carbon nanosheets with strong bonding sites for efficient CO <sub>2</sub> electrochemical reduction. <i>Journal of Colloid and Interface Science</i> , 2020, 570, 31-40.  | 5.0 | 33        |
| 24 | A significant cathodic shift in the onset potential and enhanced photoelectrochemical water splitting using Au nanoparticles decorated WO <sub>3</sub> nanorod array. <i>Journal of Colloid and Interface Science</i> , 2015, 458, 194-199.                       | 5.0 | 30        |
| 25 | Bi <sub>2</sub> S <sub>3</sub> /BiOBr hybrid structure prepared via anion exchange for enhanced photocatalytic nitrogen fixation performance. <i>Materials Letters</i> , 2019, 253, 183-186.  | 1.3 | 30        |
| 26 | Preparation of TiO <sub>2</sub> microspheres with tunable pore and chamber size for fast gaseous diffusion in photoreduction of CO <sub>2</sub> under simulated sunlight. <i>Journal of Colloid and Interface Science</i> , 2019, 539, 194-202.                   | 5.0 | 29        |
| 27 | Electrochemical energy storage and adsorptive dye removal of Platanus fruit-derived porous carbon. <i>RSC Advances</i> , 2015, 5, 15969-15976.  | 1.7 | 27        |
| 28 | Fluorescent carbon quantum dots, capacitance and catalysis active porous carbon microspheres from beer. <i>RSC Advances</i> , 2015, 5, 48665-48674.   | 1.7 | 26        |
| 29 | The novel pathogen-responsive glycosyltransferase UGT73C7 mediates the redirection of phenylpropanoid metabolism and promotes <i>SNC1</i> -dependent Arabidopsis immunity. <i>Plant Journal</i> , 2021, 107, 149-165.   | 2.8 | 26        |
| 30 | Micelles directed preparation of ternary cobalt hydroxide carbonate-nickel hydroxide-reduced graphene oxide composite porous nanowire arrays with superior faradic capacitance performance. <i>Journal of Colloid and Interface Science</i> , 2019, 534, 563-573. | 5.0 | 25        |
| 31 | Sealed pre-carbonization to regulate the porosity and heteroatom sites of biomass derived carbons for lithium-sulfur batteries. <i>Journal of Colloid and Interface Science</i> , 2020, 579, 667-679.   | 5.0 | 24        |
| 32 | Graphene sheets anchored with high density TiO <sub>2</sub> nanocrystals and their application in quantum dot-sensitized solar cells. <i>RSC Advances</i> , 2014, 4, 2068-2072.   | 1.7 | 23        |
| 33 | Nanosheet-based hierarchical ZnO structure decorated with TiO <sub>2</sub> particles for enhanced performance in dye-sensitized solar cell. <i>CrystEngComm</i> , 2012, 14, 7934.   | 1.3 | 22        |
| 34 | In-situ synthesis of molybdenum sulfide/reduced graphene oxide porous film as robust counter electrode for dye-sensitized solar cells. <i>Journal of Colloid and Interface Science</i> , 2018, 524, 475-482.  | 5.0 | 22        |
| 35 | Investigation of Behavior of Sulfur in Oil Fractions During Oil Shale Pyrolysis. <i>Energy &amp; Fuels</i> , 2019, 33, 10622-10637.   | 2.5 | 22        |
| 36 | The effect of Fe(III) cations in electrolyte on oxygen evolution catalytic activity of Ni(OH) <sub>2</sub> electrode. <i>Journal of Colloid and Interface Science</i> , 2020, 569, 50-56.   | 5.0 | 21        |

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|----|---|-----|-----------|
| 37 | Pyrolytic synthesis of carbon quantum dots, and their photoluminescence properties. <i>Research on Chemical Intermediates</i> , 2015, 41, 813-819.  | 1.3 | 20        |
| 38 | Utility of Novel Plasma Metabolic Markers in the Diagnosis of Pediatric Tuberculosis: A Classification and Regression Tree Analysis Approach. <i>Journal of Proteome Research</i> , 2016, 15, 3118-3125.  | 1.8 | 20        |
| 39 | Prevalence and molecular characteristics of drug-resistant <i>Mycobacterium tuberculosis</i> in Beijing, China: 2006 versus 2012. <i>BMC Microbiology</i> , 2016, 16, 85.   | 1.3 | 19        |
| 40 | Adipose tissue transplantation ameliorates lipodystrophy-associated metabolic disorders in seipin-deficient mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 316, E54-E62.  | 1.8 | 19        |
| 41 | Molybdenum oxide-iron, cobalt, copper alloy hybrid as efficient bifunctional catalyst for alkali water electrolysis. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 1662-1672.  | 5.0 | 19        |
| 42 | Genome assembly of the Chinese maize elite inbred line RP125 and its EMS mutant collection provide new resources for maize genetics research and crop improvement. <i>Plant Journal</i> , 2021, 108, 40-54.   | 2.8 | 18        |
| 43 | Heterogeneous three-dimensional TiO <sub>2</sub> /ZnO nanorod array for enhanced photoelectrochemical water splitting properties. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.  | 0.8 | 17        |
| 44 | Bi-functional nitrogen-doped carbon protective layer on three-dimensional RGO/SnO <sub>2</sub> composites with enhanced electron transport and structural stability for high-performance lithium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2019, 542, 81-90. | 5.0 | 17        |
| 45 | Tunable synthesis of single-crystalline-like TiO <sub>2</sub> mesocrystals and their application as effective scattering layer in dye-sensitized solar cells. <i>Journal of Colloid and Interface Science</i> , 2015, 456, 125-131.   | 5.0 | 16        |
| 46 | Performance of the Interferon Gamma Release Assays in Tuberculosis Disease in Children Five Years Old or Less. <i>PLoS ONE</i> , 2015, 10, e0143820.  | 1.1 | 16        |
| 47 | Room-temperature synthesis of pompon-like ZnO hierarchical structures and their enhanced photocatalytic properties. <i>Research on Chemical Intermediates</i> , 2012, 38, 1579-1589.  | 1.3 | 15        |
| 48 | rs2243268 and rs2243274 of Interleukin-4 (IL-4) gene are associated with reduced risk for extrapulmonary and severe tuberculosis in Chinese Han children. <i>Infection, Genetics and Evolution</i> , 2014, 23, 121-128.   | 1.0 | 14        |
| 49 | Enhanced photoelectrochemical performance with in-situ Au modified TiO <sub>2</sub> nanorod arrays as photoanode. <i>Journal of Alloys and Compounds</i> , 2016, 688, 914-920.  | 2.8 | 14        |
| 50 | Plasmon resonance energy transfer and hot electron injection induced high photocurrent density in liquid junction Ag@Ag <sub>2</sub> S sensitized solar cells. <i>Dalton Transactions</i> , 2016, 45, 16275-16282.  | 1.6 | 14        |
| 51 | A Novel Point-to-Point Trajectory Planning Algorithm for Industrial Robots Based on a Locally Asymmetrical Jerk Motion Profile. <i>Processes</i> , 2022, 10, 728.   | 1.3 | 14        |
| 52 | Implementation of Carrier Interferometry OFDM by Using Pulse Shaping Technique in Frequency Domain. , 2007, , .   |     | 13        |
| 53 | Characterization of a Y-type hexagonal ferrite-based frequency tunable microwave absorber. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2012, 19, 453-456.  | 2.4 | 12        |
| 54 | Insights on structural characteristic of Xilinguole lignite chars from low-temperature pyrolysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 136, 1631-1643.  | 2.0 | 11        |

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|----|--|-----|-----------|
| 55 | Mutations of Mycobacterium tuberculosis induced by anti-tuberculosis treatment result in metabolism changes and elevation of ethambutol resistance. <i>Infection, Genetics and Evolution</i> , 2019, 72, 151-158.  | 1.0 | 10        |
| 56 | A Novel Implementation of Carrier Interferometry OFDM in an Underwater Acoustic Channel. , 2007, , .   |     | 8         |
| 57 | Theoretical Study of Structural and Spatial Properties of Kerogen. <i>Energy &amp; Fuels</i> , 2019, 33, 9559-9569.  | 2.5 | 8         |
| 58 | Identification of differentially expressed transcripts targeted by the knockdown of endogenous IFITM3. <i>Molecular Medicine Reports</i> , 2016, 14, 4367-4373.  | 1.1 | 7         |
| 59 | rs1800796 of the IL6 gene is associated with increased risk for anti-tuberculosis drug-induced hepatotoxicity in Chinese Han children. <i>Tuberculosis</i> , 2018, 111, 71-77.   | 0.8 | 7         |
| 60 | Performance analysis of P-CSMA for underwater acoustic sensor networks. , 2012, , .  |     | 6         |
| 61 | Room temperature synthesis of grapheneâ€“platinum composite as counter electrode for efficient dye-sensitized solar cell. <i>RSC Advances</i> , 2015, 5, 32096-32102.  | 1.7 | 6         |
| 62 | A novel multi-classifier based on a density-dependent quantized binary tree LSSVM and the logistic global whale optimization algorithm. <i>Applied Intelligence</i> , 2020, 50, 3808-3821.   | 3.3 | 5         |
| 63 | Population pharmacokinetics-pharmacodynamics of ceftazidime in neonates and young infants: Dosing optimization for neonatal sepsis. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 163, 105868.  | 1.9 | 5         |
| 64 | Crystal structural characterization of three chlorosalicylato titanocene compounds. <i>Structural Chemistry</i> , 2009, 20, 883-890.   | 1.0 | 4         |
| 65 | Label-Free Cross-Priming Amplification Coupled With Endonuclease Restriction and Nanoparticles-Based Biosensor for Simultaneous Detection of Nucleic Acids and Prevention of Carryover Contamination. <i>Frontiers in Chemistry</i> , 2019, 7, 322.                                      | 1.8 | 4         |
| 66 | Research on Base-Band OFDM Underwater Acoustic Communication System. , 2009, , .   |     | 3         |
| 67 | FABRICATION AND MAGNETIC CHARACTERIZATION OF Au/Ni MULTILAYER NANOWIRE ARRAYS. <i>International Journal of Nanoscience</i> , 2006, 05, 183-187.  | 0.4 | 2         |
| 68 | An Improved Adaptive Lifting Scheme Combining Gradient Operator for Image Coding. , 2009, , .  |     | 2         |
| 69 | BER performance of underwater multiuser cooperative communication based on MMSE-DFD algorithm. , 2014, , .   |     | 2         |
| 70 | ZnO hierarchial structure prepared via direct precipitation for dye-sensitized solar cells. <i>Research on Chemical Intermediates</i> , 2015, 41, 3573-3582.   | 1.3 | 2         |
| 71 | Rs1914663 of SFTPA 1 gene is associated with pediatric tuberculosis in Han Chinese population. <i>Infection, Genetics and Evolution</i> , 2016, 41, 16-20.   | 1.0 | 2         |
| 72 | Simultaneous Nucleic Acids Detection and Elimination of Carryover Contamination With Nanoparticles-Based Biosensor- and Antarctic Thermal Sensitive Uracil-DNA-Glycosylase-Supplemented Polymerase Spiral Reaction. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 401. | 2.0 | 2         |

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|----|---|-----|-----------|
| 73 | ZIF-8 Decorated WO <sub>3</sub> Nanoplates with Robust Surface Activation for the Enhanced Performances in Photocatalytic N <sub>2</sub> Fixation. ChemistrySelect, 2021, 6, 5411-5418.   | 0.7 | 2         |
| 74 | Weak Signal Extraction Based on Wavelet Packet Transform in Sea Noise Background. , 2009, , .   |     | 1         |
| 75 | Studies of computer simulation of water transport in plants. , 2010, , .  |     | 0         |
| 76 | Single-negative properties of Ba <sub>2</sub> Co <sub>1.8</sub> Cu <sub>0.2</sub> Fe <sub>12</sub> O <sub>22</sub> and Ba <sub>3</sub> Co <sub>2</sub> Fe <sub>23.4</sub> Zn <sub>0.6</sub> O <sub>41</sub> hexagonal ferrites. International Journal of Minerals, Metallurgy and Materials, 2011, 18, 683-685. | 2.4 | 0         |