

# Xiaoxia Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

1,857  
citations

361413

20  
h-index

361022

35  
g-index

35  
all docs

35  
docs citations

35  
times ranked

2134  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Unexpected phosphorous removal in a Candidatus <i>Competibacter</i> and <i>DeFluviicoccus</i> dominated reactor. <i>Bioresource Technology</i> , 2022, 345, 126540.   | 9.6  | 20        |
| 2  | Culturing partial denitrification biofilm in side stream incubator with ordinary activated sludge as inoculum: One step closer to mainstream Anammox upgrade. <i>Bioresource Technology</i> , 2022, 347, 126679.  | 9.6  | 22        |
| 3  | A rational construction of TiO <sub>2</sub> /N-doped Carbon/NiMoO <sub>4</sub> composites with multidimensional structure towards strong microwave absorption. <i>Journal of Alloys and Compounds</i> , 2022, 903, 163936.  | 5.5  | 9         |
| 4  | Electrostatic Interaction in Amino Protonated Chitosan-Metal Complex Anion Hydrogels: A Simple Approach to Porous Metal Carbides/N-Doped Carbon Aerogels for Energy Conversion. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 22151-22160.                        | 8.0  | 9         |
| 5  | Development of novel denitrifying nitrite accumulation and phosphorus removal (DNAPR) process for offering an alternative pretreatment to achieve mainstream Anammox. <i>Bioresource Technology</i> , 2021, 319, 124164.  | 9.6  | 23        |
| 6  | Feasibility of reinforced post-endogenous denitrification coupling with synchronous nitrification, denitrification and phosphorus removal for high-nitrate sewage treatment using limited carbon source in municipal wastewater. <i>Chemosphere</i> , 2021, 269, 128687.      | 8.2  | 20        |
| 7  | Comparison of nitrite accumulation performance and microbial community structure in endogenous partial denitrification process with acetate and glucose served as carbon source. <i>Bioresource Technology</i> , 2021, 320, 124405.   | 9.6  | 40        |
| 8  | A novel multi-cavity structured MOF derivative/porous graphene hybrid for high performance microwave absorption. <i>Carbon</i> , 2021, 176, 279-289.  | 10.3 | 103       |
| 9  | Achieving simultaneous nitrification, anammox and denitrification (SNAD) in an integrated fixed-biofilm activated sludge (IFAS) reactor: Quickly culturing self-generated anammox bacteria. <i>Science of the Total Environment</i> , 2021, 768, 144446.                      | 8.0  | 25        |
| 10 | Microbial analysis and enrichment of anaerobic phenol and <i>p</i> -cresol degrading consortia with addition of AQDS. <i>Water Science and Technology</i> , 2021, 84, 683-696.  | 2.5  | 5         |
| 11 | The bismuth architecture assembled by nanotubes used as highly efficient electrocatalyst for CO <sub>2</sub> reduction to formate. <i>Chemical Engineering Journal</i> , 2021, 421, 129606.   | 12.7 | 42        |
| 12 | Cation vacancy driven efficient CoFe-LDH-based electrocatalysts for water splitting and Zn-air batteries. <i>Materials Advances</i> , 2021, 2, 7932-7938.   | 5.4  | 13        |
| 13 | Nb <sub>2</sub> O <sub>5</sub> /Nb <sub>2</sub> CT <sub>x</sub> composites with different morphologies through oxidation of Nb <sub>2</sub> CT <sub>x</sub> MXene for high-performance microwave absorption. <i>Journal of Alloys and Compounds</i> , 2020, 843, 155713.      | 5.5  | 50        |
| 14 | Performance and microbial structure of partial denitrification in response to salt stress: Achieving stable nitrite accumulation with municipal wastewater. <i>Bioresource Technology</i> , 2020, 311, 123559.  | 9.6  | 20        |
| 15 | Rapid and direct growth of bipyramid TiO <sub>2</sub> from Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene to prepare Ni/TiO <sub>2</sub> /C heterogeneous composites for high-performance microwave absorption. <i>Chemical Engineering Journal</i> , 2020, 383, 123095. | 12.7 | 143       |
| 16 | Achieving deep-level nutrient removal via combined denitrifying phosphorus removal and simultaneous partial nitrification-endogenous denitrification process in a single-sludge sequencing batch reactor. <i>Bioresource Technology</i> , 2019, 289, 121690.                  | 9.6  | 37        |
| 17 | Molybdenum Disulfide Quantum Dots Prepared by Bipolar-Electrode Electrochemical Scissoring. <i>Nanomaterials</i> , 2019, 9, 906.  | 4.1  | 15        |
| 18 | Novel aerobic granular sludge culture strategy: Using granular sludge Anammox process effluent as a biocatalyst. <i>Bioresource Technology</i> , 2019, 294, 122156.   | 9.6  | 17        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | Ni Nanoparticles on Ultrathin Mo <sub>2</sub> C Interconnected Nanonet: An Efficient 3D Hydrogen-Evolving Electrocatalyst with Superior Durability. <i>Journal of the Electrochemical Society</i> , 2019, 166, F1128-F1133.       | 2.9  | 3         |
| 20 | Evaluating the potential for sustaining mainstream anammox by endogenous partial denitrification and phosphorus removal for energy-efficient wastewater treatment. <i>Bioresource Technology</i> , 2019, 284, 302-314.            | 9.6  | 93        |
| 21 | Facile Preparation of Snowflake-Like MnO <sub>2</sub> @NiCo <sub>2</sub> O <sub>4</sub> Composites for Highly Efficient Electromagnetic Wave Absorption. <i>Chemistry - A European Journal</i> , 2019, 25, 7695-7701.             | 3.3  | 35        |
| 22 | Ultra-efficient electromagnetic wave absorption with ethanol-thermally treated two-dimensional Nb <sub>2</sub> CTx nanosheets. <i>Journal of Colloid and Interface Science</i> , 2019, 537, 306-315.                              | 9.4  | 61        |
| 23 | Nickel-Borate/Reduced Graphene Oxide Nanohybrid: A Robust and Efficient Electrocatalyst for Oxygen Evolution Reaction in Alkaline and Near Neutral Media. <i>ChemCatChem</i> , 2018, 10, 2826-2832.                               | 3.7  | 21        |
| 24 | Hierarchical coral-like NiMoS nanohybrids as highly efficient bifunctional electrocatalysts for overall urea electrolysis. <i>Nano Research</i> , 2018, 11, 988-996.  | 10.4 | 236       |
| 25 | Solvent-regulated preparation of well-intercalated Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene nanosheets and application for highly effective electromagnetic wave absorption. <i>Nanotechnology</i> , 2018, 29, 355201. | 2.6  | 62        |
| 26 | Direct generation of Ag nanoclusters on reduced graphene oxide nanosheets for efficient catalysis, antibacteria and photothermal anticancer applications. <i>Journal of Colloid and Interface Science</i> , 2018, 529, 444-451.   | 9.4  | 40        |
| 27 | Simultaneous Synthesis of WO <sub>3</sub> Quantum Dots and Bundle-Like Nanowires Using a One-Pot Template-Free Solvothermal Strategy and Their Versatile Applications. <i>Small</i> , 2017, 13, 1603689.                          | 10.0 | 85        |
| 28 | Fabrication of porous graphene-Fe <sub>3</sub> O <sub>4</sub> hybrid composites with outstanding microwave absorption performance. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017, 95, 237-247.               | 7.6  | 110       |
| 29 | Wafer-scale fabrication of a Cu/graphene double-nanocap array for surface-enhanced Raman scattering substrates. <i>Chemical Communications</i> , 2017, 53, 3273-3276.   | 4.1  | 14        |
| 30 | Super-light Cu@Ni nanowires/graphene oxide composites for significantly enhanced microwave absorption performance. <i>Scientific Reports</i> , 2017, 7, 1584.   | 3.3  | 79        |
| 31 | Characteristics and source distribution of air pollution in winter in Qingdao, eastern China. <i>Environmental Pollution</i> , 2017, 224, 44-53.  | 7.5  | 55        |
| 32 | Preparation of hierarchical core-shell C@NiCo <sub>2</sub> O <sub>4</sub> @Fe <sub>3</sub> O <sub>4</sub> composites for enhanced microwave absorption performance. <i>Chemical Engineering Journal</i> , 2017, 314, 477-487.     | 12.7 | 264       |
| 33 | Enhanced microwave absorption capacity of hierarchical structural MnO <sub>2</sub> @NiMoO <sub>4</sub> composites. <i>RSC Advances</i> , 2016, 6, 36484-36490.  | 3.6  | 9         |
| 34 | Controlled growth of Cu-Ni nanowires and nanospheres for enhanced microwave absorption properties. <i>Nanotechnology</i> , 2016, 27, 125602.  | 2.6  | 17        |
| 35 | 2D MoS <sub>2</sub> /graphene composites with excellent full Ku band microwave absorption. <i>RSC Advances</i> , 2016, 6, 106187-106193.  | 3.6  | 60        |