## Hou Wang

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/3384932/publications.pdf Version: 2024-02-01



Ηου Μλης

| #  | Article   | lF   | CITATIONS |
|----|---|------|-----------|
| 1  | Defective polymeric carbon nitride: Fabrications, photocatalytic applications and perspectives.<br>Chemical Engineering Journal, 2022, 427, 130991.   | 12.7 | 85        |
| 2  | Intramolecular modulation of iron-based metal organic framework with energy level adjusting for efficient photocatalytic activity. Applied Catalysis B: Environmental, 2022, 302, 120823.                 | 20.2 | 45        |
| 3  | Dual optimization approach to Mo single atom dispersed g-C3N4 photocatalyst: Morphology and defect evolution. Applied Catalysis B: Environmental, 2022, 303, 120904.                                      | 20.2 | 203       |
| 4  | Construction of Bi2WO6/CoAl-LDHs S-scheme heterojunction with efficient photo-Fenton-like catalytic performance: Experimental and theoretical studies. Chemosphere, 2022, 291, 133001.                    | 8.2  | 30        |
| 5  | In-situ soil remediation via heterogeneous iron-based catalysts activated persulfate process: A review.<br>Chemical Engineering Journal, 2022, 431, 133833.   | 12.7 | 43        |
| 6  | Mechanistic insights of removing pollutant in adsorption and advanced oxidation processes by sludge biochar. Journal of Hazardous Materials, 2022, 430, 128375.   | 12.4 | 41        |
| 7  | Manipulation of the halloysite clay nanotube lumen for environmental remediation: a review.<br>Environmental Science: Nano, 2022, 9, 841-866.   | 4.3  | 11        |
| 8  | Zeolite-based Fenton-like catalysis for pollutant removal and reclamation from wastewater. Chinese<br>Chemical Letters, 2022, 33, 4719-4731.  | 9.0  | 28        |
| 9  | Highly efficient As(III) removal through simultaneous oxidation and adsorption by N-CQDs modified MIL-53(Fe). Separation and Purification Technology, 2022, 286, 120409.                                  | 7.9  | 26        |
| 10 | Resource utilization of luffa sponge to produce biochar for effective degradation of organic<br>contaminants through persulfate activation. Separation and Purification Technology, 2022, 288,<br>120650. | 7.9  | 30        |
| 11 | Concrete waste-derived aggregate for concrete manufacture. Journal of Cleaner Production, 2022, 338, 130637.  | 9.3  | 14        |
| 12 | Structure–performance correlation guided applications of covalent organic frameworks. Materials<br>Today, 2022, 53, 106-133.  | 14.2 | 76        |
| 13 | One-Dimensional Helical Aggregates Organized from Achiral Imine-Based Polymers. , 2022, 4, 715-723.   |      | 6         |
| 14 | Evaluating the remediation potential of MgFe2O4-montmorillonite and its co-application with biochar on heavy metal-contaminated soils. Chemosphere, 2022, 299, 134217.                                    | 8.2  | 11        |
| 15 | Nearâ€Infrared Light Responsive TiO <sub>2</sub> for Efficient Solar Energy Utilization. Advanced<br>Functional Materials, 2022, 32, .  | 14.9 | 88        |
| 16 | Application of functionalized layered double hydroxides for heavy metal removal: A review. Science of the Total Environment, 2022, 838, 155693.   | 8.0  | 33        |
| 17 | 2D single- and few-layered MXenes: synthesis, applications and perspectives. Journal of Materials<br>Chemistry A, 2022, 10, 13651-13672.  | 10.3 | 56        |
| 18 | Degradation of ciprofloxacin by peroxymonosulfate activation using catalyst derived from spent lithium-ion batteries. Journal of Cleaner Production, 2022, 362, 132442.                                   | 9.3  | 14        |

| #  | Article   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | Singleâ€Atom Catalysts for Hydrogen Generation: Rational Design, Recent Advances, and Perspectives.<br>Advanced Energy Materials, 2022, 12, .   | 19.5 | 42        |
| 20 | Directing the Architecture of Surface-Clean Cu <sub>2</sub> 0 for CO Electroreduction. Journal of the American Chemical Society, 2022, 144, 12410-12420.  | 13.7 | 24        |
| 21 | Highly Dispersed and Small-Size Pd–Cu Nanoparticles Supported on N-Doped Graphene for Oxygen<br>Reduction Reaction Catalysts. Energy & Fuels, 2022, 36, 7699-7709.  | 5.1  | 4         |
| 22 | Recycling of waste power lithium-ion batteries to prepare nickel/cobalt/manganese-containing<br>catalysts with inter-valence cobalt/manganese synergistic effect for peroxymonosulfate activation.<br>Journal of Colloid and Interface Science, 2022, 626, 564-580. | 9.4  | 22        |
| 23 | Properties of oxidatively torrefied Chinese fir residue: Color dimension, pyrolysis kinetics, and storage behavior. Fuel Processing Technology, 2021, 213, 106663.  | 7.2  | 11        |
| 24 | Burgeoning prospects of biochar and its composite in persulfate-advanced oxidation process. Journal of Hazardous Materials, 2021, 409, 124893.  | 12.4 | 122       |
| 25 | Nanostructured covalent organic frameworks with elevated crystallization for<br>(electro)photocatalysis and energy storage devices. Journal of Materials Science, 2021, 56, 13875-13924.  | 3.7  | 8         |
| 26 | A novel in situ synthesis of nitrogen-doped graphene with excellent electrocatalytic performance for oxygen reduction reaction. Electrochimica Acta, 2021, 380, 138256.   | 5.2  | 12        |
| 27 | Roles of sulfur-edge sites, metal-edge sites, terrace sites, and defects in metal sulfides for photocatalysis. Chem Catalysis, 2021, 1, 44-68.  | 6.1  | 83        |
| 28 | Strategies to extend near-infrared light harvest of polymer carbon nitride photocatalysts.<br>Coordination Chemistry Reviews, 2021, 439, 213947.  | 18.8 | 94        |
| 29 | Recent advances on ZIF-8 composites for adsorption and photocatalytic wastewater pollutant<br>removal: Fabrication, applications and perspective. Coordination Chemistry Reviews, 2021, 441, 213985.  | 18.8 | 180       |
| 30 | Defect engineering in polymeric carbon nitride photocatalyst: Synthesis, properties and characterizations. Advances in Colloid and Interface Science, 2021, 296, 102523.  | 14.7 | 49        |
| 31 | Recovery of CuO/C catalyst from spent anode material in battery to activate peroxymonosulfate for refractory organic contaminants degradation. Journal of Hazardous Materials, 2021, 420, 126552.   | 12.4 | 52        |
| 32 | State-of-the-art progress in the rational design of layered double hydroxide based photocatalysts for photocatalytic and photoelectrochemical H2/O2 production. Coordination Chemistry Reviews, 2021, 446, 214103.  | 18.8 | 42        |
| 33 | Circularly Polarized Organic Room Temperature Phosphorescence from Amorphous Copolymers.<br>Journal of the American Chemical Society, 2021, 143, 18527-18535.   | 13.7 | 132       |
| 34 | Structure–Function Correlations of Carbonaceous Materials for Persulfate-Based Advanced<br>Oxidation. Langmuir, 2021, 37, 13969-13975.  | 3.5  | 26        |
| 35 | Understanding structure-performance correlation of biochar materials in environmental remediation and electrochemical devices. Chemical Engineering Journal, 2020, 382, 122977.   | 12.7 | 109       |
| 36 | Regeneration and reutilization of cathode materials from spent lithium-ion batteries. Chemical<br>Engineering Journal, 2020, 383, 123089.   | 12.7 | 213       |

| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 37 | Stable self-assembly AgI/UiO-66(NH2) heterojunction as efficient visible-light responsive photocatalyst<br>for tetracycline degradation and mechanism insight. Chemical Engineering Journal, 2020, 384, 123310.                        | 12.7 | 150       |
| 38 | Metal-organic framework membranes for wastewater treatment and water regeneration.<br>Coordination Chemistry Reviews, 2020, 404, 213116.   | 18.8 | 265       |
| 39 | Photocatalytic removal of antibiotics from natural water matrices and swine wastewater via Cu(I)<br>coordinately polymeric carbon nitride framework. Chemical Engineering Journal, 2020, 392, 123638.                                  | 12.7 | 78        |
| 40 | Linkage Engineering by Harnessing Supramolecular Interactions to Fabricate 2D Hydrazone-Linked<br>Covalent Organic Framework Platforms toward Advanced Catalysis. Journal of the American<br>Chemical Society, 2020, 142, 18138-18149. | 13.7 | 99        |
| 41 | Metal–Organic Framework Derived Multicomponent Nanoagent as a Reactive Oxygen Species Amplifier<br>for Enhanced Photodynamic Therapy. ACS Nano, 2020, 14, 13500-13511.   | 14.6 | 75        |
| 42 | Comparison of atmospheric pressure and gas-pressurized torrefaction of municipal sewage sludge:<br>Properties of solid products. Energy Conversion and Management, 2020, 213, 112793.  | 9.2  | 33        |
| 43 | Bioremediation of co-contaminated soil with heavy metals and pesticides: Influence factors, mechanisms and evaluation methods. Chemical Engineering Journal, 2020, 398, 125657.  | 12.7 | 235       |
| 44 | Reutilization of cathode material from spent batteries as a heterogeneous catalyst to remove<br>antibiotics in wastewater via peroxymonosulfate activation. Chemical Engineering Journal, 2020, 400,<br>125903.                        | 12.7 | 60        |
| 45 | Efficient Nobleâ€Metalâ€Free Catalysts Supported by Threeâ€Dimensional Ordered Hierarchical Porous<br>Carbon. Chemistry - an Asian Journal, 2020, 15, 2513-2519.   | 3.3  | 1         |
| 46 | Powerful combination of 2D g-C3N4 and 2D nanomaterials for photocatalysis: Recent advances.<br>Chemical Engineering Journal, 2020, 390, 124475.  | 12.7 | 205       |
| 47 | Integrating Suitable Linkage of Covalent Organic Frameworks into Covalently Bridged<br>Inorganic/Organic Hybrids toward Efficient Photocatalysis. Journal of the American Chemical Society,<br>2020, 142, 4862-4871.                   | 13.7 | 304       |
| 48 | Mechanistic insights into heavy metals affinity in magnetic MnO2@Fe3O4/poly(m-phenylenediamine) coreâ^'shell adsorbent. Ecotoxicology and Environmental Safety, 2020, 192, 110326.   | 6.0  | 29        |
| 49 | Impeding Catalyst Sulfur Poisoning in Aqueous Solution by Metal–Organic Framework Composites.<br>Small Methods, 2020, 4, 1900890.  | 8.6  | 22        |
| 50 | Integrating the (311) facet of MnO2 and the fuctional groups of poly(m-phenylenediamine) in<br>core–shell MnO2@poly(m-phenylenediamine) adsorbent to remove Pb ions from water. Journal of<br>Hazardous Materials, 2020, 389, 122154.  | 12.4 | 31        |
| 51 | Localized induction heating of metallic spacers for energy-efficient membrane distillation. Journal of<br>Membrane Science, 2020, 606, 118150.   | 8.2  | 20        |
| 52 | Molecular Phosphorescence in Polymer Matrix with Reversible Sensitivity. ACS Applied Materials &<br>Interfaces, 2020, 12, 20765-20774.   | 8.0  | 68        |
| 53 | Recent advances in titanium metal–organic frameworks and their derived materials: Features, fabrication, and photocatalytic applications. Chemical Engineering Journal, 2020, 395, 125080.   | 12.7 | 93        |
| 54 | Biochar Facilitated Hydroxyapatite/Calcium Silicate Hydrate for Remediation of Heavy Metals Contaminated Soils. Water, Air, and Soil Pollution, 2020, 231, 1.  | 2.4  | 30        |

| #  | Article   | IF   | CITATIONS |
|----|---|------|-----------|
| 55 | Physicochemical properties, metal availability and bacterial community structure in heavy<br>metal-polluted soil remediated by montmorillonite-based amendments. Chemosphere, 2020, 261, 128010.  | 8.2  | 60        |
| 56 | Design and engineering of layered double hydroxide based catalysts for water depollution by advanced oxidation processes: a review. Journal of Materials Chemistry A, 2020, 8, 4141-4173.   | 10.3 | 155       |
| 57 | Stateâ€ofâ€theâ€Art Advances and Challenges of Ironâ€Based Metal Organic Frameworks from Attractive<br>Features, Synthesis to Multifunctional Applications. Small, 2019, 15, e1803088.  | 10.0 | 111       |
| 58 | A multifunctional platform by controlling of carbon nitride in the core-shell structure: From design to construction, and catalysis applications. Applied Catalysis B: Environmental, 2019, 258, 117957.  | 20.2 | 126       |
| 59 | Activated biochar with iron-loading and its application in removing Cr (VI) from aqueous solution.<br>Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 579, 123642.  | 4.7  | 96        |
| 60 | Construction of holeâ€transported MoO <sub>3â€<i>x</i></sub> coupled with CdS nanospheres for<br>boosting photocatalytic performance via oxygenâ€defectsâ€mediated Zâ€scheme charge transfer. Applied<br>Organometallic Chemistry, 2019, 33, e4780.   | 3.5  | 29        |
| 61 | Photocatalysis: Modulation of Bi <sub>2</sub> MoO <sub>6</sub> â€Based Materials for Photocatalytic<br>Water Splitting and Environmental Application: a Critical Review (Small 23/2019). Small, 2019, 15,<br>1970122.   | 10.0 | 70        |
| 62 | Effects of composition faults in ternary metal chalcogenides (Zn In2S3+, x = 1–5) layered crystals for<br>visible-light-driven catalytic hydrogen generation and carbon dioxide reduction. Applied Catalysis B:<br>Environmental, 2019, 256, 117810.  | 20.2 | 82        |
| 63 | Modulation of Bi <sub>2</sub> MoO <sub>6</sub> â€Based Materials for Photocatalytic Water Splitting and Environmental Application: a Critical Review. Small, 2019, 15, e1901008.  | 10.0 | 179       |
| 64 | Highly efficient removal of diclofenac sodium from medical wastewater by Mg/Al layered double<br>hydroxide-poly(m-phenylenediamine) composite. Chemical Engineering Journal, 2019, 366, 83-91.  | 12.7 | 121       |
| 65 | In-situ synthesis of 3D microsphere-like In2S3/InVO4 heterojunction with efficient photocatalytic activity for tetracycline degradation under visible light irradiation. Chemical Engineering Journal, 2019, 356, 371-381.  | 12.7 | 171       |
| 66 | Electrical promotion of spatially photoinduced charge separation via interfacial-built-in<br>quasi-alloying effect in hierarchical Zn2In2S5/Ti3C2(O, OH)x hybrids toward efficient photocatalytic<br>hydrogen evolution and environmental remediation. Applied Catalysis B: Environmental, 2019, 245,<br>290-301. | 20.2 | 229       |
| 67 | Tailored indium sulfide-based materials for solar-energy conversion and utilization. Journal of<br>Photochemistry and Photobiology C: Photochemistry Reviews, 2019, 38, 1-26.   | 11.6 | 127       |
| 68 | Nitrogen self-doped g-C3N4 nanosheets with tunable band structures for enhanced photocatalytic tetracycline degradation. Journal of Colloid and Interface Science, 2019, 536, 17-29.  | 9.4  | 193       |
| 69 | Facile synthesis of In2S3/UiO-66 composite with enhanced adsorption performance and photocatalytic activity for the removal of tetracycline under visible light irradiation. Journal of Colloid and Interface Science, 2019, 535, 444-457.  | 9.4  | 120       |
| 70 | Simultaneously efficient adsorption and photocatalytic degradation of tetracycline by Fe-based MOFs.<br>Journal of Colloid and Interface Science, 2018, 519, 273-284.   | 9.4  | 552       |
| 71 | Insight on the plasmonic Z-scheme mechanism underlying the highly efficient photocatalytic activity of silver molybdate/silver vanadate composite in rhodamine B degradation. Journal of Colloid and Interface Science, 2018, 530, 493-504.   | 9.4  | 40        |
| 72 | Formation of quasi-core-shell In2S3/anatase TiO2@metallic Ti3C2Tx hybrids with favorable charge transfer channels for excellent visible-light-photocatalytic performance. Applied Catalysis B: Environmental, 2018, 233, 213-225.   | 20.2 | 297       |

| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 73 | Petal-like CdS nanostructures coated with exfoliated sulfur-doped carbon nitride via chemically<br>activated chain termination for enhanced visible-light–driven photocatalytic water purification and<br>H2 generation. Applied Catalysis B: Environmental, 2018, 229, 181-191. | 20.2 | 156       |
| 74 | Effective removal of high-chroma rhodamine B over Sn 0.215 In 0.38 S/reduced graphene oxide composite: Synergistic factors and mechanism of adsorption enrichment and visible photocatalytic degradation. Powder Technology, 2018, 329, 217-231.                                 | 4.2  | 34        |
| 75 | In-situ synthesis of direct solid-state dual Z-scheme WO3/g-C3N4/Bi2O3 photocatalyst for the degradation of refractory pollutant. Applied Catalysis B: Environmental, 2018, 227, 376-385.  | 20.2 | 495       |
| 76 | Photogenerated charge transfer via interfacial internal electric field for significantly improved photocatalysis in direct Z-scheme oxygen-doped carbon nitrogen/CoAl-layered double hydroxide heterojunction. Applied Catalysis B: Environmental, 2018, 227, 530-540.           | 20.2 | 219       |
| 77 | Near-infrared-driven Cr( <scp>vi</scp> ) reduction in aqueous solution based on a<br>MoS <sub>2</sub> /Sb <sub>2</sub> S <sub>3</sub> photocatalyst. Catalysis Science and Technology,<br>2018, 8, 1545-1554.  | 4.1  | 41        |
| 78 | Clayâ€Inspired MXeneâ€Based Electrochemical Devices and Photoâ€Electrocatalyst: Stateâ€ofâ€theâ€Art<br>Progresses and Challenges. Advanced Materials, 2018, 30, e1704561.  | 21.0 | 431       |
| 79 | Effect of Cd stress on the bioavailability of Cd and other mineral nutrition elements in broad bean grown in a loess subsoil amended with municipal sludge compost. Environmental Science and Pollution Research, 2018, 25, 7418-7432.   | 5.3  | 6         |
| 80 | Quasi-polymeric construction of stable perovskite-type LaFeO3/g-C3N4 heterostructured photocatalyst for improved Z-scheme photocatalytic activity via solid p-n heterojunction interfacial effect. Journal of Hazardous Materials, 2018, 347, 412-422.                           | 12.4 | 296       |
| 81 | Construction of an all-solid-state Z-scheme photocatalyst based on graphite carbon nitride and its enhancement to catalytic activity. Environmental Science: Nano, 2018, 5, 599-615.   | 4.3  | 174       |
| 82 | Recyclable zero-valent iron activating peroxymonosulfate synchronously combined with thermal treatment enhances sludge dewaterability by altering physicochemical and biological properties. Bioresource Technology, 2018, 262, 294-301.   | 9.6  | 115       |
| 83 | Construction of hierarchical 2D-2D Zn3In2S6/fluorinated polymeric carbon nitride nanosheets photocatalyst for boosting photocatalytic degradation and hydrogen production performance. Applied Catalysis B: Environmental, 2018, 233, 58-69.                                     | 20.2 | 213       |
| 84 | Facile construction of novel direct solid-state Z-scheme AgI/BiOBr photocatalysts for highly effective removal of ciprofloxacin under visible light exposure: Mineralization efficiency and mechanisms. Journal of Colloid and Interface Science, 2018, 522, 82-94.              | 9.4  | 207       |
| 85 | In situ surface transfer process of Cry1Ac protein on SiO2: The effect of biosurfactants for desorption. Journal of Hazardous Materials, 2018, 341, 150-158.   | 12.4 | 6         |
| 86 | Highly efficient photocatalysis toward tetracycline of nitrogen doped carbon quantum dots<br>sensitized bismuth tungstate based on interfacial charge transfer. Journal of Colloid and Interface<br>Science, 2018, 511, 296-306.   | 9.4  | 119       |
| 87 | Implication of graphene oxide in Cd-contaminated soil: A case study of bacterial communities. Journal of Environmental Management, 2018, 205, 99-106.  | 7.8  | 75        |
| 88 | Metal-free efficient photocatalyst for stable visible-light photocatalytic degradation of refractory pollutant. Applied Catalysis B: Environmental, 2018, 221, 715-725.  | 20.2 | 438       |
| 89 | Insight into highly efficient removal of cadmium and methylene blue by eco-friendly magnesium silicate-hydrothermal carbon composite. Applied Surface Science, 2018, 427, 1107-1117.   | 6.1  | 121       |
| 90 | Molecular docking simulation on the interactions of laccase from Trametes versicolor with nonylphenol and octylphenol isomers. Bioprocess and Biosystems Engineering, 2018, 41, 331-343.   | 3.4  | 30        |

| #   | Article   | IF   | CITATIONS |
|-----|---|------|-----------|
| 91  | Highly efficient photocatalytic activity and mechanism of Yb3+/Tm3+ codoped In2S3 from ultraviolet<br>to near infrared light towards chromium (VI) reduction and rhodamine B oxydative degradation.<br>Applied Catalysis B: Environmental, 2018, 225, 8-21.   | 20.2 | 172       |
| 92  | Immobilization of heavy metals in two contaminated soils using a modified magnesium silicate stabilizer. Environmental Science and Pollution Research, 2018, 25, 32562-32571.   | 5.3  | 31        |
| 93  | A facile band alignment of polymeric carbon nitride isotype heterojunctions for enhanced photocatalytic tetracycline degradation. Environmental Science: Nano, 2018, 5, 2604-2617.  | 4.3  | 93        |
| 94  | Synthesis and boosting visible light photoactivity of Ag@AgI/CdWO4 towards refractory organic pollutants degradation based on interfacial charge transfer. Applied Surface Science, 2018, 454, 293-304.   | 6.1  | 44        |
| 95  | Nitrogen doped carbon quantum dots mediated silver phosphate/bismuth vanadate Z-scheme<br>photocatalyst for enhanced antibiotic degradation. Journal of Colloid and Interface Science, 2018,<br>529, 11-22.   | 9.4  | 81        |
| 96  | Accelerated tetracycline degradation by persulfate activated with heterogeneous magnetic<br>NixFe3â^'xO4 catalysts. Chemical Engineering Journal, 2018, 350, 573-584.   | 12.7 | 116       |
| 97  | Modified stannous sulfide nanoparticles with metal-organic framework: Toward efficient and<br>enhanced photocatalytic reduction of chromium (VI) under visible light. Journal of Colloid and<br>Interface Science, 2018, 530, 481-492.  | 9.4  | 89        |
| 98  | Visible-light-driven removal of tetracycline antibiotics and reclamation of hydrogen energy from<br>natural water matrices and wastewater by polymeric carbon nitride foam. Water Research, 2018, 144,<br>215-225.  | 11.3 | 481       |
| 99  | Photothermal-enhanced and fouling-resistant membrane for solar-assisted membrane distillation.<br>Journal of Membrane Science, 2018, 565, 254-265.  | 8.2  | 107       |
| 100 | Recent advances in synthesis, modification and photocatalytic applications of micro/nano-structured zinc indium sulfide. Chemical Engineering Journal, 2018, 354, 407-431.  | 12.7 | 171       |
| 101 | Environmental Remediation And Energy Reclamation From Natural Water Matrices And Wastewater By<br>Solar Photocatalytic Technology. , 2018, , .  |      | 0         |
| 102 | Upgrading Sewage Sludge Liquefaction Bio-Oil by Microemulsification: The Effect of Ethanol as Polar<br>Phase on Solubilization Performance and Fuel Properties. Energy & Fuels, 2017, 31, 1574-1582.  | 5.1  | 29        |
| 103 | Plasmonic Bi nanoparticles and BiOCl sheets as cocatalyst deposited on perovskite-type ZnSn(OH) 6<br>microparticle with facet-oriented polyhedron for improved visible-light-driven photocatalysis.<br>Applied Catalysis B: Environmental, 2017, 209, 543-553.  | 20.2 | 151       |
| 104 | Phosphorus- and Sulfur-Codoped g-C <sub>3</sub> N <sub>4</sub> : Facile Preparation, Mechanism<br>Insight, and Application as Efficient Photocatalyst for Tetracycline and Methyl Orange Degradation<br>under Visible Light Irradiation. ACS Sustainable Chemistry and Engineering, 2017, 5, 5831-5841. | 6.7  | 337       |
| 105 | Doping of graphitic carbon nitride for photocatalysis: A review. Applied Catalysis B: Environmental, 2017, 217, 388-406.  | 20.2 | 1,194     |
| 106 | Highly Efficient Visible-Light-Induced Photoactivity of Z-Scheme<br>g-C <sub>3</sub> N <sub>4</sub> /Ag/MoS <sub>2</sub> Ternary Photocatalysts for Organic Pollutant<br>Degradation and Production of Hydrogen. ACS Sustainable Chemistry and Engineering, 2017, 5,<br>1436-1445                       | 6.7  | 336       |
| 107 | Novel ternary heterojunction photcocatalyst of Ag nanoparticles and g-C3N4 nanosheets co-modified<br>BiVO4 for wider spectrum visible-light photocatalytic degradation of refractory pollutant. Applied<br>Catalysis B: Environmental, 2017, 205, 133-147.  | 20.2 | 343       |
| 108 | Highly efficient adsorption of Congo red in single and binary water with cationic dyes by reduced graphene oxide decorated NH 2 -MIL-68(Al). Journal of Molecular Liquids, 2017, 247, 215-229.  | 4.9  | 92        |

| #   | Article  | IF   | CITATIONS |
|-----|--|------|-----------|
| 109 | Highly efficient visible-light-induced photoactivity of Z-scheme<br>Ag <sub>2</sub> CO <sub>3</sub> /Ag/WO <sub>3</sub> photocatalysts for organic pollutant<br>degradation. Environmental Science: Nano, 2017, 4, 2175-2185.                            | 4.3  | 121       |
| 110 | Synthesis of ligand-carrying polymeric nanoparticles for use in extraction and recovery of metal ions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 533, 179-186.   | 4.7  | 11        |
| 111 | Environment-friendly fullerene separation methods. Chemical Engineering Journal, 2017, 330, 134-145.   | 12.7 | 73        |
| 112 | Functionality of surfactants in waste-activated sludge treatment: A review. Science of the Total Environment, 2017, 609, 1433-1442.  | 8.0  | 100       |
| 113 | Reply for comment on "Adsorptive removal of methylene blue by rhamnolipid-functionalized graphene<br>oxide from wastewater― Water Research, 2017, 108, 464-465.  | 11.3 | 8         |
| 114 | Photocatalytic Decontamination of Wastewater Containing Organic Dyes by Metal–Organic<br>Frameworks and their Derivatives. ChemCatChem, 2017, 9, 41-64.  | 3.7  | 219       |
| 115 | Facile synthesis of a novel full-spectrum-responsive Co2.67S4 nanoparticles for UV-, vis- and NIR-driven photocatalysis. Applied Catalysis B: Environmental, 2017, 202, 104-111.   | 20.2 | 102       |
| 116 | Practical and regenerable electrochemical aptasensor based on nanoporous gold and thymine-Hg 2+<br>-thymine base pairs for Hg 2+ detection. Biosensors and Bioelectronics, 2017, 90, 542-548.  | 10.1 | 98        |
| 117 | Facile synthesis of Sb2S3/ultrathin g-C3N4 sheets heterostructures embedded with g-C3N4 quantum<br>dots with enhanced NIR-light photocatalytic performance. Applied Catalysis B: Environmental, 2016,<br>193, 36-46.                                     | 20.2 | 235       |
| 118 | Utilization of LDH-based materials as potential adsorbents and photocatalysts for the decontamination of dyes wastewater: a review. RSC Advances, 2016, 6, 79415-79436.  | 3.6  | 141       |
| 119 | A comparative study of biomass pellet and biomass-sludge mixed pellet: Energy input and pellet properties. Energy Conversion and Management, 2016, 126, 509-515.   | 9.2  | 103       |
| 120 | Nanostructured core-shell electrode materials for electrochemical capacitors. Journal of Power Sources, 2016, 331, 408-425.  | 7.8  | 102       |
| 121 | Pyrolysis and combustion kinetics of glycerol-in-diesel hybrid fuel using thermogravimetric analysis.<br>Fuel, 2016, 182, 502-508.   | 6.4  | 20        |
| 122 | Enhanced adsorptive removal of p-nitrophenol from water by aluminum metal–organic<br>framework/reduced graphene oxide composite. Scientific Reports, 2016, 6, 25638.   | 3.3  | 134       |
| 123 | Enhancing the sludge dewaterability by electrolysis/electrocoagulation combined with zero-valent iron activated persulfate process. Chemical Engineering Journal, 2016, 303, 636-645.  | 12.7 | 207       |
| 124 | Fast removal of tetracycline from wastewater by reduced graphene oxide prepared via<br>microwave-assisted ethylenediamine–N,N'–disuccinic acid induction method. Environmental Science<br>and Pollution Research, 2016, 23, 18657-18671.                 | 5.3  | 37        |
| 125 | Oneâ€pot selfâ€assembly and photoreduction synthesis of silver nanoparticleâ€decorated reduced graphene<br>oxide/MILâ€125(Ti) photocatalyst with improved visible light photocatalytic activity. Applied<br>Organometallic Chemistry, 2016, 30, 289-296. | 3.5  | 149       |
| 126 | In situ synthesis of In2S3@MIL-125(Ti) core–shell microparticle for the removal of tetracycline from<br>wastewater by integrated adsorption and visible-light-driven photocatalysis. Applied Catalysis B:<br>Environmental, 2016, 186, 19-29.            | 20.2 | 538       |

| #   | Article   | IF   | CITATIONS |
|-----|---|------|-----------|
| 127 | Study on demetalization of sewage sludge by sequential extraction before liquefaction for the production of cleaner bio-oil and bio-char. Bioresource Technology, 2016, 200, 320-327.   | 9.6  | 58        |
| 128 | Rhamnolipid based glycerol-in-diesel microemulsion fuel: Formation and characterization. Fuel, 2015, 147, 76-81.  | 6.4  | 57        |
| 129 | Co-pelletization of sewage sludge and biomass: The energy input and properties of pellets. Fuel<br>Processing Technology, 2015, 132, 55-61.   | 7.2  | 85        |
| 130 | Characterization of liquefaction bio-oil from sewage sludge and its solubilization in diesel microemulsion. Energy, 2015, 82, 218-228.  | 8.8  | 55        |
| 131 | Facile synthesis of amino-functionalized titanium metal-organic frameworks and their superior<br>visible-light photocatalytic activity for Cr(VI) reduction. Journal of Hazardous Materials, 2015, 286,<br>187-194.                     | 12.4 | 634       |
| 132 | Complementary effects of torrefaction and co-pelletization: Energy consumption and characteristics of pellets. Bioresource Technology, 2015, 185, 254-262.  | 9.6  | 84        |
| 133 | The comparison of oxidative thermokinetics between emulsion and microemulsion diesel fuel. Energy Conversion and Management, 2015, 101, 364-370.  | 9.2  | 37        |
| 134 | Novel visible light-induced g-C3N4–Sb2S3/Sb4O5Cl2 composite photocatalysts for efficient degradation of methyl orange. Catalysis Communications, 2015, 70, 17-20.   | 3.3  | 45        |
| 135 | A facile hydrothermal method to synthesize<br>Sb <sub>2</sub> S <sub>3</sub> /Sb <sub>4</sub> O <sub>5</sub> Cl <sub>2</sub> composites with<br>three-dimensional spherical structures. RSC Advances, 2015, 5, 53019-53024.             | 3.6  | 21        |
| 136 | Bio-char derived from sewage sludge by liquefaction: Characterization and application for dye adsorption. Applied Surface Science, 2015, 346, 223-231.  | 6.1  | 171       |
| 137 | Surface characterization of rice husk bio-char produced by liquefaction and application for cationic dye (Malachite green) adsorption. Fuel, 2015, 155, 77-85.  | 6.4  | 262       |
| 138 | Facile synthesis of alumina-decorated multi-walled carbon nanotubes for simultaneous adsorption of cadmium ion and trichloroethylene. Chemical Engineering Journal, 2015, 273, 101-110.   | 12.7 | 129       |
| 139 | Synthesis and applications of novel graphitic carbon nitride/metal-organic frameworks mesoporous photocatalyst for dyes removal. Applied Catalysis B: Environmental, 2015, 174-175, 445-454.  | 20.2 | 594       |
| 140 | Three dimensional graphene based materials: Synthesis and applications from energy storage and conversion to electrochemical sensor and environmental remediation. Advances in Colloid and Interface Science, 2015, 221, 41-59.         | 14.7 | 242       |
| 141 | Solvothermal synthesis of graphene/BiOCl <sub>0.75</sub> Br <sub>0.25</sub> microspheres with excellent visible-light photocatalytic activity. RSC Advances, 2015, 5, 33696-33704.  | 3.6  | 33        |
| 142 | Photodeposition of metal sulfides on titanium metal–organic frameworks for excellent<br>visible-light-driven photocatalytic Cr( <scp>vi</scp> ) reduction. RSC Advances, 2015, 5, 32531-32535.  | 3.6  | 118       |
| 143 | The comparison of the migration and transformation behavior of heavy metals during pyrolysis and<br>liquefaction of municipal sewage sludge, paper mill sludge, and slaughterhouse sludge. Bioresource<br>Technology, 2015, 198, 16-22. | 9.6  | 90        |
| 144 | Facile preparation of an Ag/AgVO <sub>3</sub> /BiOCl composite and its enhanced photocatalytic behavior for methylene blue degradation. RSC Advances, 2015, 5, 98184-98193.   | 3.6  | 55        |

| #   | Article  | IF   | CITATIONS |
|-----|--|------|-----------|
| 145 | Enzymatic reaction of ethanol and oleic acid by lipase and lignin peroxidase in rhamnolipid (RL)<br>reversed micelles. Journal of Central South University, 2015, 22, 2936-2944.   | 3.0  | 1         |
| 146 | One-step calcination method for synthesis of mesoporous<br>g-C <sub>3</sub> N <sub>4</sub> /NiTiO <sub>3</sub> heterostructure photocatalyst with improved<br>visible light photoactivity. RSC Advances, 2015, 5, 95643-95648. | 3.6  | 54        |
| 147 | Distribution behavior and risk assessment of metals in bio-oils produced by liquefaction/pyrolysis of sewage sludge. Environmental Science and Pollution Research, 2015, 22, 18945-18955.                                      | 5.3  | 12        |
| 148 | Facile synthesis of CeO <sub>2</sub> nanoparticle sensitized CdS nanorod photocatalyst with improved visible-light photocatalytic degradation of rhodamine B. RSC Advances, 2015, 5, 79556-79564.                              | 3.6  | 77        |
| 149 | Energy recovery and secondary pollutant emission from the combustion of co-pelletized fuel from municipal sewage sludge and wood sawdust. Energy, 2015, 91, 441-450.   | 8.8  | 55        |
| 150 | Pyrolysis and combustion kinetics of sludge–camphor pellet thermal decomposition using thermogravimetric analysis. Energy Conversion and Management, 2015, 106, 282-289.   | 9.2  | 72        |
| 151 | A novel SnS2–MgFe2O4/reduced graphene oxide flower-like photocatalyst: Solvothermal synthesis, characterization and improved visible-light photocatalytic activity. Catalysis Communications, 2015, 61, 62-66.                 | 3.3  | 99        |
| 152 | Facile synthesis of magnetic Bi <sub>25</sub> FeO <sub>40</sub> /rGO catalyst with efficient<br>photocatalytic performance for phenolic compounds under visible light. RSC Advances, 2015, 5,<br>4905-4908.                    | 3.6  | 36        |
| 153 | Speciation and environmental risk assessment of heavy metal in bio-oil from liquefaction/pyrolysis of sewage sludge. Chemosphere, 2015, 120, 645-652.  | 8.2  | 100       |
| 154 | Characterization and application of bio-chars from liquefaction of microalgae, lignocellulosic biomass and sewage sludge. Fuel Processing Technology, 2015, 129, 8-14.   | 7.2  | 122       |
| 155 | Facile synthesis of polypyrrole decorated reduced graphene oxide–Fe3O4 magnetic composites and its application for the Cr(VI) removal. Chemical Engineering Journal, 2015, 262, 597-606.                                       | 12.7 | 381       |
| 156 | Effect of different surfactants on removal efficiency of heavy metals in sewage sludge treated by a novel method combining bio-acidification with Fenton oxidation. Journal of Central South University, 2014, 21, 4623-4629.  | 3.0  | 10        |
| 157 | Efficient Removal of Congo Red from Aqueous Solutions by Surfactant-Modified Hydroxo<br>Aluminum/Graphene Composites. Separation Science and Technology, 2014, 49, 2700-2710.  | 2.5  | 16        |
| 158 | Removal of para-nitrochlorobenzene from aqueous solution on surfactant-modified nanoscale<br>zero-valent iron/graphene nanocomposites. Environmental Technology (United Kingdom), 2014, 35,<br>2698-2707.                      | 2.2  | 14        |
| 159 | Release behavior of heavy metals during treatment of dredged sediment by microwave-assisted hydrogen peroxide oxidation. Chemical Engineering Journal, 2014, 258, 334-340.   | 12.7 | 34        |
| 160 | Synchronous extraction of lignin peroxidase and manganese peroxidase from Phanerochaete chrysosporium fermentation broth. Separation and Purification Technology, 2014, 123, 164-170.  | 7.9  | 14        |
| 161 | New generation material for oil spill cleanup. Environmental Science and Pollution Research, 2014, 21, 1248-1250.  | 5.3  | 17        |
| 162 | Study on the solubilization capacity of bio-oil in diesel by microemulsion technology with Span80 as surfactant. Fuel Processing Technology, 2014, 118, 141-147.   | 7.2  | 53        |

| #   | Article  | IF   | CITATIONS |
|-----|--|------|-----------|
| 163 | Synthesis of iron( <scp>iii</scp> )-based metal–organic framework/graphene oxide composites with<br>increased photocatalytic performance for dye degradation. RSC Advances, 2014, 4, 40435-40438.  | 3.6  | 146       |
| 164 | Adsorptive removal of methylene blue by rhamnolipid-functionalized graphene oxide from wastewater. Water Research, 2014, 67, 330-344.  | 11.3 | 527       |
| 165 | Removal of Basic Dye from Aqueous Solution using <i>Cinnamomum camphora</i> Sawdust: Kinetics,<br>Isotherms, Thermodynamics, and Mass-Transfer Processes. Separation Science and Technology, 2014,<br>49, 2689-2699.   | 2.5  | 30        |
| 166 | Fast adsorption of nickel ions by porous graphene oxide/sawdust composite and reuse for phenol degradation from aqueous solutions. Journal of Colloid and Interface Science, 2014, 436, 90-98.   | 9.4  | 69        |
| 167 | Precipitation and Recovery of Cellulase using Biosurfactant. Separation Science and Technology, 2014, 49, 2249-2254.   | 2.5  | 6         |
| 168 | Removal of malachite green dye from wastewater by different organic acid-modified natural<br>adsorbent: kinetics, equilibriums, mechanisms, practical application, and disposal of dye-loaded<br>adsorbent. Environmental Science and Pollution Research, 2014, 21, 11552-11564. | 5.3  | 88        |
| 169 | Co-pelletization of sewage sludge and biomass: The density and hardness of pellet. Bioresource<br>Technology, 2014, 166, 435-443.  | 9.6  | 146       |
| 170 | Thermochemical liquefaction of rice husk for bio-oil production in mixed solvent (ethanol–water).<br>Fuel Processing Technology, 2013, 112, 93-99.   | 7.2  | 104       |
| 171 | Adsorption of hexavalent chromium from aqueous solutions by graphene modified with cetyltrimethylammonium bromide. Journal of Colloid and Interface Science, 2013, 394, 183-191.   | 9.4  | 257       |
| 172 | Graphene-based materials: Fabrication, characterization and application for the decontamination of wastewater and wastegas and hydrogen storage/generation. Advances in Colloid and Interface Science, 2013, 195-196, 19-40.   | 14.7 | 306       |
| 173 | Adsorption characteristics and behaviors of graphene oxide for Zn(II) removal from aqueous solution. Applied Surface Science, 2013, 279, 432-440.  | 6.1  | 418       |