# Ruey-An Doong

List of Publications by Year
in descending order



| 205 | 10,094 | 22099 | 46693 |
|---|---|---|---|
| papers | citations | 59 h-index | 89 g-index |

| 206 | 206 | 206 | 12154 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Bifunctional Auâ^'Fe<sub>3</sub>O<sub>4</sub> Heterostructures for Magnetically Recyclable Catalysis of Nitrophenol Reduction. Journal of Physical Chemistry C, 2011, 115, 6591-6598. | 1.5 | 465 |
| 2 | Characterization and distribution of polycyclic aromatic hydrocarbon contaminations in surface sediment and water from Gao-ping River, Taiwan. Water Research, 2004, 38, 1733-1744. | 5.3 | 272 |
| 3 | Solid-phase microextraction for determining the distribution of sixteen US Environmental Protection Agency polycyclic aromatic hydrocarbons in water samples. Journal of Chromatography A, 2000, 879, 177-188. | 1.8 | 251 |
| 4 | Stability of metal oxide nanoparticles in aqueous solutions. Water Science and Technology, 2010, 61, 127-133. | 1.2 | 239 |
| 5 | Composition and distribution of organochlorine pesticide residues in surface sediments from the Wu-Shi River estuary, Taiwan. Marine Pollution Bulletin, 2002, 45, 246-253. | 2.3 | 197 |
| 6 | Photocatalytic degradation of bisphenol A over a ZnFe2O4/TiO2 nanocomposite under visible light. Science of the Total Environment, 2019, 646, 745-756. | 3.9 | 182 |
| 7 | The influence of pH and cadmium sulfide on the photocatalytic degradation of 2-chlorophenol in titanium dioxide suspensions. Water Research, 2001, 35, 2873-2880. | 5.3 | 179 |
| 8 | Highly Sensitive and Selective Detection of Nanomolar Ferric Ions Using Dopamine Functionalized Graphene Quantum Dots. ACS Applied Materials & Interfaces, 2016, 8, 21002-21010. | 4.0 | 168 |
| 9 | Enhanced catalytic reduction of nitrophenols by sodium borohydride over highly recyclable Au@graphitic carbon nitride nanocomposites. Applied Catalysis B: Environmental, 2019, 240, 337-347. | 10.8 | 153 |
| 10 | Threeâ€Đimensional Hierarchically Ordered Porous Carbons with Partially Graphitic Nanostructures for Electrochemical Capacitive Energy Storage. ChemSusChem, 2012, 5, 563-571. | 3.6 | 142 |
| 11 | Determination of organochlorine pesticides and their metabolites in soil samples using headspace solid-phase microextraction. Journal of Chromatography A, 2001, 918, 177-188. | 1.8 | 141 |
| 12 | Characterization of Zr-Doped TiO2Nanocrystals Prepared by a Nonhydrolytic Solâ^'Gel Method at High Temperatures. Journal of Physical Chemistry B, 2006, 110, 20808-20814. | 1.2 | 136 |
| 13 | Highly sensitive and selective detection of mercury ions using N, S-codoped graphene quantum dots and its paper strip based sensing application in wastewater. Sensors and Actuators B: Chemical, 2017, 252, 1169-1178. | 4.0 | 135 |
| 14 | Simultaneous determination of pH, urea, acetylcholine and heavy metals using array-based enzymatic optical biosensor. Biosensors and Bioelectronics, 2005, 20, 1796-1804. | 5.3 | 133 |
| 15 | Highly efficient reduction of 4-nitrophenol by heterostructured gold-magnetite nanocatalysts. Applied Catalysis A: General, 2014, 486, 32-41. | 2.2 | 122 |
| 16 | Continuum-based models and concepts for the transport of nanoparticles in saturated porous media: A state-of-the-science review. Advances in Colloid and Interface Science, 2017, 246, 75-104. | 7.0 | 119 |
| 17 | N-Doped Graphene Quantum Dots-Decorated V<sub>2</sub>O<sub>5</sub> Nanosheet for Fluorescence Turn Offâ€“On Detection of Cysteine. ACS Applied Materials & Interfaces, 2018, 10, 614-624. | 4.0 | 117 |
| 18 | Solubilization and mineralization of polycyclic aromatic hydrocarbons by Pseudomonas putida in the presence of surfactant. Journal of Hazardous Materials, 2003, 96, 15-27. | 6.5 | 114 |

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|---|---|---|---|
| 19 | Nano assembly of N-doped graphene quantum dots anchored Fe3O4/halloysite nanotubes for high performance supercapacitor. Electrochimica Acta, 2017, 245, 912-923. | 2.6 | 111 |
| 20 | Bipyridine- and Copper-Functionalized N-doped Carbon Dots for Fluorescence Turn Offâ€“On Detection of Ciprofloxacin. ACS Applied Materials & Interfaces, 2020, 12, 32247-32258. | 4.0 | 110 |
| 21 | Photoassisted titanium dioxide mediated degradation of organophosphorus pesticides by hydrogen peroxide. Journal of Photochemistry and Photobiology A: Chemistry, 1997, 107, 239-244. | 2.0 | 107 |
| 22 | Immobilization and characterization of solâ€“gel-encapsulated acetylcholinesterase fiber-optic biosensor. Analytica Chimica Acta, 2001, 434, 239-246. | 2.6 | 101 |
| 23 | Cysteine-Mediated Reductive Dissolution of Poorly Crystalline Iron(III) Oxides by Geobacter sulfurreducens. Environmental Science & Technology, 2002, 36, 2939-2945. | 4.6 | 101 |
| 24 | Dechlorination of tetrachloroethylene by palladized iron in the presence of humic acid. Water Research, 2005, 39, 2309-2318. | 5.3 | 101 |
| 25 | Dechlorination of trichloroethylene by Ni/Fe nanoparticles immobilized in PEG/PVDF and PEG/nylon 66 membranes. Water Research, 2009, 43, 3086-3094. | 5.3 | 96 |
| 26 | New Avenue for Appendage of Graphene Quantum Dots on Halloysite Nanotubes as Anode Materials for High Performance Supercapacitors. ACS Sustainable Chemistry and Engineering, 2017, 5, 4930-4940. | 3.2 | 95 |
| 27 | Visible-light photodegradation of sulfamethoxazole (SMX) over Ag-P-codoped g-C3N4 (Ag-P@UCN) photocatalyst in water. Chemical Engineering Journal, 2020, 384, 123383. | 6.6 | 94 |
| 28 | Surfactant enhanced remediation of cadmium contaminated soils. Water Science and Technology, 1998, 37, 65-71. | 1.2 | 93 |
| 29 | Determination of Distribution Coefficients of Priority Polycyclic Aromatic Hydrocarbons Using Solid-Phase Microextraction. Analytical Chemistry, 2000, 72, 3647-3652. | 3.2 | 92 |
| 30 | Characterization and composition of heavy metals and persistent organic pollutants in water and estuarine sediments from Gao-ping River, Taiwan. Marine Pollution Bulletin, 2008, 57, 846-857. | 2.3 | 91 |
| 31 | Graphene Quantum Dots Decorated Gold-Polyaniline Nanowire for Impedimetric Detection of Carcinoembryonic Antigen. Scientific Reports, 2019, 9, 7214. | 1.6 | 91 |
| 32 | Indirect Z-scheme nitrogen-doped carbon dot decorated Bi2MoO6/g-C3N4 photocatalyst for enhanced visible-light-driven degradation of ciprofloxacin. Chemical Engineering Journal, 2021, 422, 130103. | 6.6 | 91 |
| 33 | Interband Transitions in Solâ^'Gel-Derived ZrO<sub>2</sub> Films under Different Calcination Conditions. Chemistry of Materials, 2007, 19, 4804-4810. | 3.2 | 90 |
| 34 | Dual-template synthesis of magnetically-separable hierarchically-ordered porous carbons by catalytic graphitization. Carbon, 2011, 49, 3055-3064. | 5.4 | 87 |
| 35 | Ordered mesoporous carbonâ€“TiO2 materials for improved electrochemical performance of lithium ion battery. Carbon, 2012, 50, 4259-4268. | 5.4 | 86 |
| 36 | The biomimic oxidase activity of layered V2O5 nanozyme for rapid and sensitive nanomolar detection of glutathione. Sensors and Actuators B: Chemical, 2018, 273, 1179-1186. | 4.0 | 86 |

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|---|---|---|---|
| 37 | Engineered Synthetic Polymer Nanoparticles as IgG Affinity Ligands. Journal of the American Chemical Society, 2012, 134, 15765-15772. | 6.6 | 83 |
| 38 | Activation of persulfate by CoO nanoparticles loaded on 3D mesoporous carbon nitride (CoO@meso-CN) for the degradation of methylene blue (MB). Science of the Total Environment, 2019, 675, 531-541. | 3.9 | 83 |
| 39 | Cuâ€“TiO2 nanorods with enhanced ultraviolet- and visible-light photoactivity for bisphenol A degradation. Journal of Hazardous Materials, 2014, 277, 84-92. | 6.5 | 81 |
| 40 | Chemical-Composition-Dependent Metastability of Tetragonal ZrO2in Solâ^'Gel-Derived Films under Different Calcination Conditions. Chemistry of Materials, 2005, 17, 4837-4844. | 3.2 | 79 |
| 41 | Enhanced Dechlorination of Chlorinated Methanes and Ethenes by Chloride Green Rust in the Presence of Copper(II). Environmental Science & Technology, 2005, 39, 4082-4090. | 4.6 | 79 |
| 42 | Synergistic Effect of Copper Ion on the Reductive Dechlorination of Carbon Tetrachloride by Surface-Bound Fe(II) Associated with Goethite. Environmental Science & Technology, 2004, 38, 260-268. | 4.6 | 78 |
| 43 | Reductive Dechlorination of Carbon Tetrachloride and Tetrachloroethylene by Zerovalent Siliconâ^'Iron Reductants. Environmental Science & Technology, 2003, 37, 2575-2581. | 4.6 | 74 |
| 44 | Enhanced photoactivity of Cu-deposited titanate nanotubes for removal of bisphenol A. Applied Catalysis B: Environmental, 2013, 129, 48-55. | 10.8 | 71 |
| 45 | Direct Synthesis of Controllable Microstructures of Thermally Stable and Ordered Mesoporous Crystalline Titanium Oxides and Carbide/Carbon Composites. Chemistry of Materials, 2010, 22, 1760-1767. | 3.2 | 70 |
| 46 | Solâ€“gel derived urease-based optical biosensor for the rapid determination of heavy metals. Analytica Chimica Acta, 2003, 481, 75-84. | 2.6 | 69 |
| 47 | Microwave-assisted hydrothermal synthesis of mesoporous anatase TiO2 via solâ€“gel process for dye-sensitized solar cells. Microporous and Mesoporous Materials, 2011, 142, 473-480. | 2.2 | 68 |
| 48 | Architectural design of hierarchically ordered porous carbons for high-rate electrochemical capacitors. Journal of Materials Chemistry A, 2013, 1, 2886. | 5.2 | 68 |
| 49 | Catalytic Nanoreactors of Au@Fe<sub>3</sub>O<sub>4</sub> Yolkâ€“Shell Nanostructures with Various Au Sizes for Efficient Nitroarene Reduction. Journal of Physical Chemistry C, 2017, 121, 7844-7853. | 1.5 | 68 |
| 50 | Enhanced visible-light-responsive photodegradation of bisphenol A by Cu, N-codoped titanate nanotubes prepared by microwave-assisted hydrothermal method. Journal of Hazardous Materials, 2017, 322, 254-262. | 6.5 | 67 |
| 51 | Hierarchically Porous Carbon with Manganese Oxides as Highly Efficient Electrode for Asymmetric Supercapacitors. ChemSusChem, 2014, 7, 841-847. | 3.6 | 65 |
| 52 | Functionalized N-doped graphene quantum dots for electrochemical determination of cholesterol through host-guest inclusion. Mikrochimica Acta, 2018, 185, 526. | 2.5 | 65 |
| 53 | Visible-light photocatalytic diclofenac removal by tunable vanadium pentoxide/boron-doped graphitic carbon nitride composite. Chemical Engineering Journal, 2021, 403, 126213. | 6.6 | 65 |
| 54 | Preparation and characterization of urease-encapsulated biosensors in poly(vinyl alcohol)-modified silica solâ€“gel materials. Biosensors and Bioelectronics, 2007, 23, 66-73. | 5.3 | 64 |

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|---|---|---|---|
| 55 | The Effect of Chemical States of Dopants on the Microstructures and Band Gaps of Metal-Doped ZrO2Thin Films at Different Temperatures. Journal of Physical Chemistry B, 2004, 108, 18098-18103. | 1.2 | 63 |
| 56 | Photodegradation of parathion in aqueous titanium dioxide and zero valent iron solutions in the presence of hydrogen peroxide. Journal of Photochemistry and Photobiology A: Chemistry, 1998, 116, 221-228. | 2.0 | 62 |
| 57 | Solid-Phase Microextraction and Headspace Solid-Phase Microextraction for the Determination of High Molecular-Weight Polycyclic Aromatic Hydrocarbons in Water and Soil Samples. Journal of Chromatographic Science, 2000, 38, 528-534. | 0.7 | 62 |
| 58 | ZrO2 thin films with controllable morphology and thickness by spin-coated solâ€“gel method. Thin Solid Films, 2005, 489, 17-22. | 0.8 | 62 |
| 59 | Array-based titanium dioxide biosensors for ratiometric determination of glucose, glutamate and urea. Biosensors and Bioelectronics, 2010, 25, 1439-1446. | 5.3 | 62 |
| 60 | Coconut shell derived activated biocharâ€“manganese dioxide nanocomposites for high performance capacitive deionization. Desalination, 2020, 492, 114602. | 4.0 | 61 |
| 61 | Sugarcane bagasse as the scaffold for mass production of hierarchically porous carbon monoliths by surface self-assembly. Microporous and Mesoporous Materials, 2012, 147, 47-52. | 2.2 | 59 |
| 62 | Hierarchically ordered mesoporous carbons and silver nanoparticles as asymmetric electrodes for highly efficient capacitive deionization. Desalination, 2016, 398, 171-179. | 4.0 | 59 |
| 63 | Electrically conducting graphene-based polyurethane nanocomposites for microwave shielding applications in the Ku band. Journal of Materials Science, 2017, 52, 1546-1560. | 1.7 | 59 |
| 64 | Multifunctional GQDs-Concanavalin A@Fe3O4 nanocomposites for cancer cells detection and targeted drug delivery. Analytica Chimica Acta, 2018, 1027, 109-120. | 2.6 | 59 |
| 65 | Heterostructured ZnFe<sub>2</sub>O<sub>4</sub>/TiO<sub>2</sub> nanocomposites with a highly recyclable visible-light-response for bisphenol A degradation. RSC Advances, 2017, 7, 50006-50016. | 1.7 | 58 |
| 66 | Boron-doped reduced graphene oxide-based bimetallic Ni/Fe nanohybrids for the rapid dechlorination of trichloroethylene. Environmental Science: Nano, 2017, 4, 565-576. | 2.2 | 55 |
| 67 | Reductive Dechlorination of Carbon Tetrachloride in Aqueous Solutions Containing Ferrous and Copper Ions. Environmental Science & Technology, 2004, 38, 6676-6684. | 4.6 | 54 |
| 68 | Femtomolar Detection of Dengue Virus DNA with Serotype Identification Ability. Analytical Chemistry, 2018, 90, 12464-12474. | 3.2 | 54 |
| 69 | Biomassâ€“derived cellulose nanofibrils membrane from rice straw as sustainable separator for high performance supercapacitor. Industrial Crops and Products, 2021, 170, 113694. | 2.5 | 54 |
| 70 | Manipulating the morphology of 3D flower-like CoMn2O4 bimetallic catalyst for enhancing the activation of peroxymonosulfate toward the degradation of selected persistent pharmaceuticals in water. Chemical Engineering Journal, 2022, 436, 135244. | 6.6 | 52 |
| 71 | Fabrication of highly visible-light-responsive ZnFe<sub>2</sub>O<sub>4</sub>/TiO<sub>2</sub> heterostructures for the enhanced photocatalytic degradation of organic dyes. RSC Advances, 2016, 6, 103428-103437. | 1.7 | 51 |
| 72 | CoO-3D ordered mesoporous carbon nitride (CoO@mpgCN) composite as peroxymonosulfate activator for the degradation of sulfamethoxazole in water. Journal of Hazardous Materials, 2021, 401, 123326. | 6.5 | 51 |

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|---|---|---|---|
| 73 | One-Step Synthesis of Size-Tunable Gold@Sulfur-Doped Graphene Quantum Dot Nanocomposites for Highly Selective and Sensitive Detection of Nanomolar 4-Nitrophenol in Aqueous Solutions with Complex Matrix. ACS Applied Nano Materials, 2018, 1, 2153-2163. | 2.4 | 50 |
| 74 | Transformation of Carbon Tetrachloride by Thiol Reductants in the Presence of Quinone Compounds. Environmental Science & Technology, 2005, 39, 7460-7468. | 4.6 | 49 |
| 75 | Determination of organochlorine pesticide residues in foods using solid-phase extraction clean-up cartridges. Analyst, The, 1999, 124, 1287-1289. | 1.7 | 48 |
| 76 | Dual modality sensor using liposome-based signal amplification technique for ultrasensitive norovirus detection. Biosensors and Bioelectronics, 2020, 157, 112169. | 5.3 | 48 |
| 77 | Dechlorination of chlorinated hydrocarbons by bimetallic Ni/Fe immobilized on polyethylene glycol-grafted microfiltration membranes under anoxic conditions. Chemosphere, 2012, 86, 392-399. | 4.2 | 47 |
| 78 | Unveiling the hydrodechlorination of trichloroethylene by reduced graphene oxide supported bimetallic Fe/Ni nanoparticles. Chemical Engineering Journal, 2018, 334, 30-40. | 6.6 | 46 |
| 79 | Sensitive amperometric immunosensor for Î±-fetoprotein detection based on multifunctional dumbbell-like Au-Fe3O4 heterostructures. Sensors and Actuators B: Chemical, 2013, 186, 34-43. | 4.0 | 45 |
| 80 | Coupled removal of organic compounds and heavy metals by titanate/carbon nanotube composites. Water Science and Technology, 2008, 58, 1985-1992. | 1.2 | 44 |
| 81 | Few-Layered Phosphoreneâ€“Graphitic Carbon Nitride Nanoheterostructure as a Metal-Free Photocatalyst for Aerobic Oxidation of Benzyl Alcohol and Toluene. ACS Sustainable Chemistry and Engineering, 2020, 8, 13342-13351. | 3.2 | 44 |
| 82 | Activation of hierarchically ordered mesoporous carbons for enhanced capacitive deionization application. Synthetic Metals, 2015, 205, 48-57. | 2.1 | 43 |
| 83 | Sulfur-doped graphene quantum dot-based paper sensor for highly sensitive and selective detection of 4-nitrophenol in contaminated water and wastewater. RSC Advances, 2019, 9, 26588-26597. | 1.7 | 43 |
| 84 | Flower-like nickel hydroxide@tea leaf-derived biochar composite for high-performance supercapacitor application. Journal of Colloid and Interface Science, 2022, 623, 845-855. | 5.0 | 43 |
| 85 | Silver nanoparticles embedded boron-doped reduced graphene oxide as anode material for high performance lithium ion battery. Electrochimica Acta, 2017, 243, 282-290. | 2.6 | 42 |
| 86 | Nitrogen doped graphene quantum dot-decorated earth-abundant nanotubes for enhanced capacitive deionization. Environmental Science: Nano, 2020, 7, 228-237. | 2.2 | 42 |
| 87 | Glutamate optical biosensor based on the immobilization of glutamate dehydrogenase in titanium dioxide solâ€“gel matrix. Biosensors and Bioelectronics, 2006, 22, 185-191. | 5.3 | 41 |
| 88 | Industrial dye decolorizing lignin peroxidase from Kocuria rosea MTCC 1532. Annals of Microbiology, 2012, 62, 217-223. | 1.1 | 40 |
| 89 | One-pot biosynthesis of SnO2 quantum dots mediated by Clitoria ternatea flower extract for photocatalytic degradation of rhodamine B. Journal of Environmental Chemical Engineering, 2020, 8, 103879. | 3.3 | 40 |
| 90 | Dechlorination of Tetrachloroethylene in Aqueous Solutions Using Metal-Modified Zerovalent Silicon. Environmental Science & Technology, 2008, 42, 4752-4757. | 4.6 | 38 |

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| 91 | Enhanced photocatalytic degradation of sulfamethoxazole by visible-light-sensitive TiO2 with low Cu addition. Separation and Purification Technology, 2015, 156, 1003-1010. | 3.9 | 38 |
| 92 | Label-Free and Nondestructive Separation Technique for Isolation of Targeted DNA from DNAâ€“Protein Mixture Using Magnetic Auâ€“Fe<sub>3</sub>O<sub>4</sub> Nanoprobes. Analytical Chemistry, 2017, 89, 12244-12251. | 3.2 | 38 |
| 93 | Erbium-doped graphene quantum dots with up- and down-conversion luminescence for effective detection of ferric ions in water and human serum. Sensors and Actuators B: Chemical, 2021, 328, 129056. | 4.0 | 37 |
| 94 | Microstructural and photocatalytic properties of solâ€“gel-derived vanadium-doped mesoporous titanium dioxide nanoparticles. Journal of Non-Crystalline Solids, 2009, 355, 2302-2308. | 1.5 | 36 |
| 95 | A titanium dioxide/nitrogen-doped graphene quantum dot nanocomposite to mitigate cytotoxicity: synthesis, characterisation, and cell viability evaluation. RSC Advances, 2020, 10, 21795-21805. | 1.7 | 36 |
| 96 | Impedimetric biosensor for detection of cancer cells employing carbohydrate targeting ability of Concanavalin A. Biosensors and Bioelectronics, 2018, 122, 95-103. | 5.3 | 35 |
| 97 | Simultaneous determination of renal clinical analytes in serum using hydrolase- and oxidase-encapsulated optical array biosensors. Analytical Biochemistry, 2004, 334, 183-192. | 1.1 | 34 |
| 98 | Transformation of carbon tetrachloride by biogenic iron species in the presence of Geobacter sulfurreducens and electron shuttles. Journal of Hazardous Materials, 2009, 164, 337-344. | 6.5 | 34 |
| 99 | Synergistic effect of nickel ions on the coupled dechlorination of trichloroethylene and 2,4-dichlorophenol by Fe/TiO2 nanocomposites in the presence of UV light under anoxic conditions. Water Research, 2011, 45, 4198-4210. | 5.3 | 34 |
| 100 | Parameterization and prediction of nanoparticle transport in porous media: A reanalysis using artificial neural network. Water Resources Research, 2017, 53, 4564-4585. | 1.7 | 34 |
| 101 | Controlling distance, size and concentration of nanoconjugates for optimized LSPR based biosensors. Biosensors and Bioelectronics, 2020, 170, 112657. | 5.3 | 34 |
| 102 | Hollow magnetic-fluorescent nanoparticles for dual-modality virus detection. Biosensors and Bioelectronics, 2020, 170, 112680. | 5.3 | 34 |
| 103 | Boosting the energy storage performance of V<sub>2</sub>O<sub>5</sub> nanosheets by intercalating conductive graphene quantum dots. Nanoscale, 2020, 12, 16944-16955. | 2.8 | 34 |
| 104 | Insights into the rapid elimination of antibiotics from aqueous media by tunable C3N4 photocatalysts: Effects of dopant amount, co-existing ions and reactive oxygen species. Science of the Total Environment, 2019, 669, 1053-1061. | 3.9 | 32 |
| 105 | N-doping modified zeolitic imidazole Framework-67 (ZIF-67) for enhanced peroxymonosulfate activation to remove ciprofloxacin from aqueous solution. Separation and Purification Technology, 2022, 288, 120719. | 3.9 | 32 |
| 106 | Simultaneous determination of biomarkers for Alzheimer's disease using solâ€“gel-derived optical array biosensor. Biosensors and Bioelectronics, 2010, 25, 2464-2469. | 5.3 | 31 |
| 107 | Synthesis of Reduced Graphene Oxide/Titanium Dioxide Nanotubes (rGO/TNT) Composites as an Electrical Double Layer Capacitor. Nanomaterials, 2018, 8, 934. | 1.9 | 31 |
| 108 | Rapid removal of sulfamethoxazole from simulated water matrix by visible-light responsive iodine and potassium co-doped graphitic carbon nitride photocatalysts. Chemosphere, 2018, 210, 1099-1107. | 4.2 | 31 |

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|---|---|---|---|
| 109 | Dechlorination and photodegradation of trichloroethylene by Fe/TiO2 nanocomposites in the presence of nickel ions under anoxic conditions. Applied Catalysis B: Environmental, 2010, 100, 116-123. | 10.8 | 30 |
| 110 | Ternary Au/ZnO/rGO nanocomposites electrodes for high performance electrochemical storage devices. Applied Surface Science, 2017, 420, 118-128. | 3.1 | 30 |
| 111 | Application of sulfur-doped graphene quantum dots@gold-carbon nanosphere for electrical pulse-induced impedimetric detection of glioma cells. Biosensors and Bioelectronics, 2021, 181, 113151. | 5.3 | 30 |
| 112 | Coupled removal of bisphenol A and copper ion by titanate nanotubes fabricated at different calcination temperatures. Separation and Purification Technology, 2012, 91, 81-88. | 3.9 | 28 |
| 113 | Ultrasensitive Detection of the Hepatitis E Virus by Electrocatalytic Water Oxidation Using Pt-Co<sub>3</sub>O<sub>4</sub> Hollow Cages. ACS Applied Materials & Interfaces, 2020, 12, 50212-50221. | 4.0 | 28 |
| 114 | Nanoflower-like composites of ZnO/SiO2 synthesized using bamboo leaves ash as reusable photocatalyst. Arabian Journal of Chemistry, 2021, 14, 102973. | 2.3 | 28 |
| 115 | Enhanced dechlorination of carbon tetrachloride by Geobacter sulfurreducens in the presence of naturally occurring quinones and ferrihydrite. Chemosphere, 2014, 97, 54-63. | 4.2 | 27 |
| 116 | Enhanced photocatalytic activity of Cu-deposited N-TiO2/titanate nanotubes under UV and visible light irradiations. Separation and Purification Technology, 2017, 179, 403-411. | 3.9 | 27 |
| 117 | Self-assembled chromogen-loaded polymeric cocoon for respiratory virus detection. Nanoscale, 2021, 13, 388-396. | 2.8 | 27 |
| 118 | Electrochemically capacitive deionization of copper (II) using 3D hierarchically reduced graphene oxide architectures. Separation and Purification Technology, 2020, 251, 117368. | 3.9 | 26 |
| 119 | BSA-stabilized manganese phosphate nanoflower with enhanced nanozyme activity for highly sensitive and rapid detection of glutathione. Talanta, 2022, 237, 122957. | 2.9 | 25 |
| 120 | Characterization of interfacially electronic structures of goldâ€“magnetite heterostructures using X-ray absorption spectroscopy. Journal of Colloid and Interface Science, 2014, 417, 325-332. | 5.0 | 24 |
| 121 | Synthesis and shielding properties of PVP-stabilized-AgNPs-based graphene nanohybrid in the Ku band. Synthetic Metals, 2016, 221, 86-94. | 2.1 | 24 |
| 122 | 3-Dimensional ordered reduced graphene oxide embedded with N-doped graphene quantum dots for high performance supercapacitors. Electrochimica Acta, 2020, 361, 137018. | 2.6 | 24 |
| 123 | Fabrication of visible-light-driven tubular F, P-codoped graphitic carbon nitride for enhanced photocatalytic degradation of tetracycline. Journal of Environmental Chemical Engineering, 2022, 10, 106905. | 3.3 | 24 |
| 124 | Effect of substrate concentration on the biotransformation of carbon tetrachloride and 1,1,1-trichloroethane under anaerobic condition. Water Research, 1996, 30, 577-586. | 5.3 | 23 |
| 125 | Photoassisted reduction of metal ions and organic dye by titanium dioxide nanoparticles in aqueous solution under anoxic conditions. Science of the Total Environment, 2010, 408, 3334-3341. | 3.9 | 23 |
| 126 | Sustainable fabrication of green luminescent sulfur-doped graphene quantum dots for rapid visual detection of hemoglobin. Analytical Methods, 2019, 11, 4421-4430. | 1.3 | 23 |

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|---|---|---|---|
| 127 | Sustainable valorization of mesoporous aluminosilicate composite from display panel glasses waste for adsorption of heavy metal ions. Science of the Total Environment, 2019, 673, 337-346. | 3.9 | 23 |
| 128 | Ultrasensitive Detection of Tetracycline Using Boron and Nitrogen Co-Doped Graphene Quantum Dots from Natural Carbon Source as the Paper-Based Nanosensing Probe in Difference Matrices. Nanomaterials, 2020, 10, 1883. | 1.9 | 23 |
| 129 | Nitrogen and fluorine co-doped 3-dimensional reduced graphene oxide architectures as high-performance electrode material for capacitive deionization of copper ions. Separation and Purification Technology, 2021, 272, 117559. | 3.9 | 23 |
| 130 | Enhanced visible-light-driven photocatalytic degradation of acetaminophen over CeO2/I, K-codoped C3N4 heterojunction with tunable properties in simulated water matrix. Separation and Purification Technology, 2021, 272, 117567. | 3.9 | 23 |
| 131 | Photoâ€reduction and adsorption in aqueous Cr(VI) solution by titanium dioxide, carbon nanotubes and their composite. Journal of Chemical Technology and Biotechnology, 2011, 86, 949-956. | 1.6 | 22 |
| 132 | Fabrication of hierarchically ordered porous carbons using sugarcane bagasse as the scaffold for supercapacitor applications. Synthetic Metals, 2014, 194, 29-37. | 2.1 | 22 |
| 133 | Ultrafine CoO Embedded Reduced Graphene Oxide Nanocomposites: A High Rate Anode for Liâ€"Ion Battery. ChemistrySelect, 2016, 1, 5758-5767. | 0.7 | 22 |
| 134 | Fluorescent and electrochemical dual-mode detection of Chikungunya virus E1 protein using fluorophore-embedded and redox probe-encapsulated liposomes. Mikrochimica Acta, 2020, 187, 674. | 2.5 | 22 |
| 135 | Microwave-assisted synthesis of SnO2/mesoporous carbon core-satellite microspheres as anode material for high-rate lithium ion batteries. Journal of Alloys and Compounds, 2019, 775, 214-224. | 2.8 | 21 |
| 136 | Synthesis and control of the morphology of SnO2 nanoparticles via various concentrations of Tinospora cordifolia stem extract and reduction methods. Arabian Journal of Chemistry, 2022, 15, 103738. | 2.3 | 21 |
| 137 | Size Effect of Ordered Mesoporous Carbon Nanospheres for Anodes in Li-Ion Battery. Nanomaterials, 2015, 5, 2348-2358. | 1.9 | 20 |
| 138 | Boron Doped Graphene Quantum Structure and MoS2 Nanohybrid as Anode Materials for Highly Reversible Lithium Storage. Frontiers in Chemistry, 2019, 7, 116. | 1.8 | 20 |
| 139 | A Z-scheme NiCo<sub>2</sub>O<sub>4</sub>/S codoped 1D g-C<sub>3</sub>N<sub>4</sub> heterojunction for solar-light-sensitive photocatalytic degradation of antibiotics in aqueous solutions exemplified by tetracycline. Environmental Science: Nano, 2022, 9, 229-242. | 2.2 | 20 |
| 140 | Clay-Supported Metal Oxide Nanoparticles in Catalytic Advanced Oxidation Processes: A Review. Nanomaterials, 2022, 12, 825. | 1.9 | 20 |
| 141 | Ultrasensitive detection of breast cancer cells with a lectin-based electrochemical sensor using N-doped graphene quantum dots as the sensing probe. Sensors and Actuators B: Chemical, 2022, 368, 132233. | 4.0 | 20 |
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