# Wang-Chang Geng

List of Publications by Year
in descending order



| 31 | 1,093 | 471509 17 | 454955 30 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 31 | 31 | 31 | 1815 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Effect of large pore size of multifunctional mesoporous microsphere on removal of heavy metal ions. Journal of Hazardous Materials, 2013, 254-255, 157-165. | 12.4 | 128 |
| 2 | Ordered Mesoporous Copper Oxide with Crystalline Walls. Angewandte Chemie - International Edition, 2007, 46, 738-741. | 13.8 | 124 |
| 3 | Thermal percolation behavior of graphene nanoplatelets/polyphenylene sulfide thermal conductivity composites. Polymer Composites, 2014, 35, 1087-1092. | 4.6 | 113 |
| 4 | Thermal conductivities, mechanical and thermal properties of graphite nanoplatelets/polyphenylene sulfide composites. RSC Advances, 2014, 4, 22101-22105. | 3.6 | 98 |
| 5 | Volatile Organic Compound Gas-Sensing Properties of Bimodal Porous Î±-Fe<sub>2</sub>O<sub>3</sub> with Ultrahigh Sensitivity and Fast Response. ACS Applied Materials & Interfaces, 2018, 10, 13702-13711. | 8.0 | 87 |
| 6 | Hollow Mesoporous SiO<sub>2</sub>â€“BiOBr Nanophotocatalyst: Synthesis, Characterization and Application in Photodegradation of Organic Dyes under Visible-Light Irradiation. ACS Sustainable Chemistry and Engineering, 2015, 3, 1101-1110. | 6.7 | 54 |
| 7 | A novel highly crystalline Fe<sub>4</sub>(Fe(CN)<sub>6</sub>)<sub>3</sub>concave cube anode material for Li-ion batteries with high capacity and long life. Journal of Materials Chemistry A, 2019, 7, 11478-11486. | 10.3 | 50 |
| 8 | Ordered Large-Pore Mesoporous Cr<sub>2</sub>O<sub>3</sub> with Ultrathin Framework for Formaldehyde Sensing. ACS Applied Materials & Interfaces, 2017, 9, 18170-18177. | 8.0 | 47 |
| 9 | Morphology-Dependent Gas Sensing Properties of CuO Microstructures Self-Assembled from Nanorods. Sensors and Actuators B: Chemical, 2020, 325, 128775. | 7.8 | 42 |
| 10 | Effect of framework structure, pore size and surface modification on the adsorption performance of methylene blue and Cu2+ in mesoporous silica. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 539, 154-162. | 4.7 | 39 |
| 11 | Remarkable humidity-responsive sensor based on poly (N,N-diethylaminoethyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 342 Td (m | 7.8 | 32 |
| 12 | Pore size dependent acetic acid gas sensing performance of mesoporous CuO. Sensors and Actuators B: Chemical, 2021, 334, 129639. | 7.8 | 31 |
| 13 | Surface modification of HMPBO fibers by silane coupling agent of KH-560 treatment assisted by ultrasonic vibration. Fibers and Polymers, 2012, 13, 979-984. | 2.1 | 30 |
| 14 | Ultrahigh humidity sensitivity of NaCl-added 3D mesoporous silica KIT-6 and its sensing mechanism. RSC Advances, 2016, 6, 38391-38398. | 3.6 | 27 |
| 15 | The self-assembly of octahedral CuxO and its triethylamine-sensing properties. Sensors and Actuators B: Chemical, 2020, 312, 128014. | 7.8 | 23 |
| 16 | Synthesis of rattle-type magnetic mesoporous Fe<sub>3</sub>O<sub>4</sub>@mSiO<sub>2</sub>@BiOBr hierarchical photocatalyst and investigation of its photoactivity in the degradation of methylene blue. RSC Advances, 2015, 5, 48050-48059. | 3.6 | 20 |
| 17 | Humidity sensing performance of mesoporous CoO(OH) synthesized via one-pot hydrothermal method. Sensors and Actuators B: Chemical, 2019, 280, 46-53. | 7.8 | 18 |
| 18 | Synthesis of hollow spherical nickel oxide and its gas-sensing properties. Rare Metals, 2021, 40, 1622-1631. | 7.1 | 16 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Preparation of nanoparticles and hollow spheres of Î±-Fe2O3 and their properties. Research on Chemical Intermediates, 2011, 37, 389-395. | 2.7 | 15 |
| 20 | Fabrication of 1D Fe3O4/P(NIPAM-MBA) thermosensitive nanochains by magnetic-field-induced precipitation polymerization. Colloid and Polymer Science, 2012, 290, 1207-1213. | 2.1 | 15 |
| 21 | Efficient Photocatalytic Degradation of Dyes over Hierarchical BiOBr/Î²â€Co(OH)<sub>2</sub>/PVP Multicomponent Photocatalyst under Visibleâ€Light Irradiation. ChemCatChem, 2015, 7, 4163-4172. | 3.7 | 15 |
| 22 | Removal of Cationic Dyes, Heavy Metal Ions, and CO2 Capture by Adsorption on Mesoporous Silica HMS. Water, Air, and Soil Pollution, 2017, 228, 1. | 2.4 | 14 |
| 23 | Humidity Sensing Property of NaClâ€Added Mesoporous Silica Synthesized by a Facile Way with Low Energy Cost. International Journal of Applied Ceramic Technology, 2015, 12, 169-175. | 2.1 | 11 |
| 24 | Fabrication and characterization of 1 D Fe3O4/P(NIPAMâ€“MAAâ€“MBA) nanochains with thermo- and pH-responsive shell for controlled release for phenolphthalein. Journal of Materials Science, 2015, 50, 3083-3090. | 3.7 | 10 |
| 25 | Effect of Sb doping on structural and photoelectric properties of SnO2 thin films. Journal of Materials Science: Materials in Electronics, 2020, 31, 3289-3302. | 2.2 | 10 |
| 26 | Preparation of monodispersed Î±-Fe2O3 nanoparticles by a hydrothermal synthetic route. Research on Chemical Intermediates, 2011, 37, 523-529. | 2.7 | 8 |
| 27 | Preparation and characterization of structure-tailored magnetic fluorescent Fe3O4/P(GMAâ€“EGDMAâ€“NVCz) coreâ€“shell microspheres. Journal of Materials Science, 2013, 48, 5302-5308. | 3.7 | 7 |
| 28 | Transparent and conducting Ga-doped ZnO films on flexible substrates prepared by solâ€“gel method. Journal of Materials Science: Materials in Electronics, 2017, 28, 8669-8674. | 2.2 | 5 |
| 29 | Investigation of selective etching mechanism and its dependency on the particle size in preparation of hollow silica spheres. Journal of Nanoparticle Research, 2015, 17, 1. | 1.9 | 2 |
| 30 | Preparation of High Value Added Activated Carbons from Corncob for Electric Double Layer Capacitors. Journal of Nanoscience and Nanotechnology, 2017, 17, 3803-3808. | 0.9 | 2 |
| 31 | Mediated electrochemistry of dimethyl sulfoxide reductase promoted by carbon nanotubes. Science China Chemistry, 2010, 53, 2560-2563. | 8.2 | 0 |