# Lihong Liu

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 30 papers | 827 citations | 516710 16 h-index | 477307 29 g-index |
| 32 all docs | 32 docs citations | 32 times ranked | 1513 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Improving antibacterial, biocompatible, and reusable properties of polyvinyl chloride via the addition of aluminum alkoxides. Journal of Vinyl and Additive Technology, 2021, 27, 519-532. | 3.4 | 5 |
| 2 | Recovery of lanthanum cations by functionalized magnetic multi-walled carbon nanotube bundles. RSC Advances, 2021, 11, 4751-4759. | 3.6 | 16 |
| 3 | Surface chemistry-dependent activity and comparative investigation on the enhanced photocatalytic performance of graphitic carbon nitride modified with various nanocarbons. Journal of Colloid and Interface Science, 2020, 569, 12-21. | 9.4 | 19 |
| 4 | MXene as a non-metal charge mediator in 2D layered CdS@Ti<sub>3</sub>C<sub>2</sub>@TiO<sub>2</sub> composites with superior Z-scheme visible light-driven photocatalytic activity. Environmental Science: Nano, 2019, 6, 3158-3169. | 4.3 | 95 |
| 5 | Why Do Colloidal Wurtzite Semiconductor Nanoplatelets Have an Atomically Uniform Thickness of Eight Monolayers?. Journal of Physical Chemistry Letters, 2019, 10, 3465-3471. | 4.6 | 17 |
| 6 | Novel applications of perovskite oxide via catalytic peroxymonosulfate advanced oxidation in aqueous systems for trace L-cysteine detection. Journal of Colloid and Interface Science, 2019, 545, 311-316. | 9.4 | 16 |
| 7 | Heterogeneous activation of peroxymonosulfate via a Ag-La0.8Ca0.2Fe0.94O3â^Î´ perovskite hollow fibre membrane reactor for dye degradation. Separation and Purification Technology, 2019, 211, 298-302. | 7.9 | 30 |
| 8 | Atomic-level design of CoOH<sup>+</sup>â€“hydroxyapatite@C catalysts for superfast degradation of organics via peroxymonosulfate activation. Chemical Communications, 2018, 54, 4919-4922. | 4.1 | 23 |
| 9 | One-Pot Synthesis of Raspberry-Like Mesoporous Silica Nanospheres. Journal of Nanoscience and Nanotechnology, 2018, 18, 401-406. | 0.9 | 5 |
| 10 | Efficient removal of organic and bacterial pollutants by Ag-La0.8Ca0.2Fe0.94O3-Î´ perovskite via catalytic peroxymonosulfate activation. Journal of Hazardous Materials, 2018, 356, 53-60. | 12.4 | 67 |
| 11 | Singlet oxygen formation in bio-inspired synthesis of a hollow Ag@AgBr photocatalyst for microbial and chemical decontamination. Catalysis Science and Technology, 2017, 7, 4355-4360. | 4.1 | 11 |
| 12 | Carbonâ€Dot/Naturalâ€Dye Sensitizer for TiO<sub>2</sub> Solar Cells Prepared by a Oneâ€Step Treatment of Celery Leaf Extract. ChemPhotoChem, 2017, 1, 470-478. | 3.0 | 11 |
| 13 | Nanoformulated Antimicrobial Agents for Central Nervous System Infections. Journal of Nanoscience and Nanotechnology, 2017, 17, 8683-8698. | 0.9 | 3 |
| 14 | Green Synthesis of Carbon- and Silver-Modified Hierarchical ZnO with Excellent Solar Light Driven Photocatalytic Performance. ACS Sustainable Chemistry and Engineering, 2015, 3, 1010-1016. | 6.7 | 28 |
| 15 | Oxygen permeation behavior through Ce<sub>0.9</sub>Gd<sub>0.1</sub>O<sub>2â^Î´</sub> membranes electronically short-circuited by dual-phase Ce<sub>0.9</sub>Gd<sub>0.1</sub>O<sub>2â^Î´</sub>â€“Ag decoration. Journal of Materials Chemistry A, 2015, 3, 19033-19041. | 10.3 | 21 |
| 16 | Sustainable synthesis of highly efficient sunlight-driven Ag embedded AgCl photocatalysts. RSC Advances, 2015, 5, 80488-80495. | 3.6 | 15 |
| 17 | <scp>CO</scp><sub>2</sub>â€Tolerant Ceramic Membrane Driven by Electrical Current for Oxygen Production at Intermediate Temperatures. Journal of the American Ceramic Society, 2014, 97, 120-126. | 3.8 | 16 |
| 18 | Highly Stable External Short-Circuit-Assisted Oxygen Ionic Transport Membrane Reactor for Carbon Dioxide Reduction Coupled with Methane Partial Oxidation. Energy & Fuels, 2014, 28, 349-355. | 5.1 | 19 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Fe3O4 encapsulated mesoporous silica nanospheres with tunable size and large void pore. Frontiers of Chemical Science and Engineering, 2014, 8, 114-122. | 4.4 | 6 |
| 20 | Direct Hydroxylation of Benzene to Phenol Using Palladiumâ€“Titanium Silicalite Zeolite Bifunctional Membrane Reactors. Industrial & Engineering Chemistry Research, 2014, 53, 5636-5645. | 3.7 | 31 |
| 21 | Are microorganisms indispensable in green microbial nanomaterial synthesis?. RSC Advances, 2014, 4, 14564-14568. | 3.6 | 15 |
| 22 | Less is more, greener microbial synthesis of silver nanoparticles. Enzyme and Microbial Technology, 2014, 67, 53-58. | 3.2 | 30 |
| 23 | 2D Porous graphitic C3N4 nanosheets/Ag3PO4 nanocomposites for enhanced visible-light photocatalytic degradation of 4-chlorophenol. Journal of Nanoparticle Research, 2014, 16, 1. | 1.9 | 25 |
| 24 | Effects of broth composition and light condition on antimicrobial susceptibility testing of ionic silver. Journal of Microbiological Methods, 2014, 105, 42-46. | 1.6 | 13 |
| 25 | A facile synthesis of monodispersed hierarchical layered double hydroxide on silica spheres for efficient removal of pharmaceuticals from water. Journal of Materials Chemistry A, 2013, 1, 3877. | 10.3 | 59 |
| 26 | Reduced cytotoxicity of silver ions to mammalian cells at high concentration due to the formation of silver chloride. Toxicology in Vitro, 2013, 27, 739-744. | 2.4 | 59 |
| 27 | The potent antimicrobial properties of cell penetrating peptide-conjugated silver nanoparticles with excellent selectivity for Gram-positive bacteria over erythrocytes. Nanoscale, 2013, 5, 3834. | 5.6 | 120 |
| 28 | Robust ion-transporting ceramic membrane with an internal short circuit for oxygen production. Journal of Materials Chemistry A, 2013, 1, 9150. | 10.3 | 28 |
| 29 | Optimizing Oxygen Transport Through La<sub>0.6</sub>Sr<sub>0.4</sub>Co<sub>0.2</sub>Fe<sub>0.8</sub>O<sub>3â˜Î´</sub> Hollow Fiber by Microstructure Modification and Ag/Pt Catalyst Deposition. Energy & Fuels, 2012, 26, 4728-4734. | 5.1 | 20 |
| 30 | Bioceramic Macrocapsules for Cell Immunoisolation. Angewandte Chemie - International Edition, 2007, 46, 3062-3065. | 13.8 | 3 |