Lihong Liu

List of Publications by Year
in descending order

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30 papers	827 citations	516215 16 h-index	476904 29 g-index
32 all docs	32 docs citations	32 times ranked	1513 citing authors

#	Article	IF	Citations
1	The potent antimicrobial properties of cell penetrating peptide-conjugated silver nanoparticles with excellent selectivity for Gram-positive bacteria over erythrocytes. Nanoscale, 2013, 5, 3834.	2.8	120
2	MXene as a non-metal charge mediator in 2D layered CdS@Ti₃C₂@TiO₂ composites with superior Z-scheme visible light-driven photocatalytic activity. Environmental Science: Nano, 2019, 6, 3158-3169.	2.2	95
3	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.	6.5	67
4	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.	5.2	59
5	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.	1.1	59
6	Direct Hydroxylation of Benzene to Phenol Using Palladiumâ€“Titanium Silicalite Zeolite Bifunctional Membrane Reactors. Industrial & Engineering Chemistry Research, 2014, 53, 5636-5645.	1.8	31
7	Less is more, greener microbial synthesis of silver nanoparticles. Enzyme and Microbial Technology, 2014, 67, 53-58.	1.6	30
8	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.	3.9	30
9	Robust ion-transporting ceramic membrane with an internal short circuit for oxygen production. Journal of Materials Chemistry A, 2013, 1, 9150.	5.2	28
10	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.	3.2	28
11	2D Porous graphitic C3N4 nanosheets/Ag3PO4 nanocomposites for enhanced visible-light photocatalytic degradation of 4-chlorophenol. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	25
12	Atomic-level design of CoOH⁺â€“hydroxyapatite@C catalysts for superfast degradation of organics via peroxymonosulfate activation. Chemical Communications, 2018, 54, 4919-4922.	2.2	23
13	Oxygen permeation behavior through Ce_{0.9}Gd_{0.1}O_{2â^'Î´} membranes electronically short-circuited by dual-phase Ce_{0.9}Gd_{0.1}O_{2â^'Î´}â€“Ag decoration. Journal of Materials Chemistry A, 2015, 3, 19033-19041.	5.2	21
14	Optimizing Oxygen Transport Through La_{0.6}Sr_{0.4}Co_{0.2}Fe_{0.8}O_{3â^'Î´} Hollow Fiber by Microstructure Modification and Ag/Pt Catalyst Deposition. Energy & Fuels, 2012, 26, 4728-4734.	2.5	20
15	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.	2.5	19
16	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.	5.0	19
17	Why Do Colloidal Wurtzite Semiconductor Nanoplatelets Have an Atomically Uniform Thickness of Eight Monolayers?. Journal of Physical Chemistry Letters, 2019, 10, 3465-3471.	2.1	17
18	<scp>CO</scp>₂â€Tolerant Ceramic Membrane Driven by Electrical Current for Oxygen Production at Intermediate Temperatures. Journal of the American Ceramic Society, 2014, 97, 120-126.	1.9	16

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19	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.	5.0	16
20	Recovery of lanthanum cations by functionalized magnetic multi-walled carbon nanotube bundles. RSC Advances, 2021, 11, 4751-4759.	1.7	16
21	Are microorganisms indispensable in green microbial nanomaterial synthesis?. RSC Advances, 2014, 4, 14564-14568.	1.7	15
22	Sustainable synthesis of highly efficient sunlight-driven Ag embedded AgCl photocatalysts. RSC Advances, 2015, 5, 80488-80495.	1.7	15
23	Effects of broth composition and light condition on antimicrobial susceptibility testing of ionic silver. Journal of Microbiological Methods, 2014, 105, 42-46.	0.7	13
24	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.	2.1	11
25	Carbonâ€Dot/Naturalâ€Dye Sensitizer for TiO₂ Solar Cells Prepared by a Oneâ€Step Treatment of Celery Leaf Extract. ChemPhotoChem, 2017, 1, 470-478.	1.5	11
26	Fe3O4 encapsulated mesoporous silica nanospheres with tunable size and large void pore. Frontiers of Chemical Science and Engineering, 2014, 8, 114-122.	2.3	6
27	One-Pot Synthesis of Raspberry-Like Mesoporous Silica Nanospheres. Journal of Nanoscience and Nanotechnology, 2018, 18, 401-406.	0.9	5
28	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.	1.8	5
29	Bioceramic Macrocapsules for Cell Immunoisolation. Angewandte Chemie - International Edition, 2007, 46, 3062-3065.	7.2	3
30	Nanoformulated Antimicrobial Agents for Central Nervous System Infections. Journal of Nanoscience and Nanotechnology, 2017, 17, 8683-8698.	0.9	3