Lijing Zhang

List of Publications by Year
in descending order

42 papers	925 citations	471509 17 h-index	454955 30 g-index
44 all docs	44 docs citations	44 times ranked	1687 citing authors

#	Article	IF	Citations
1	High-Performance Planar-Type Photodetector on (100) Facet of MAPbI3 Single Crystal. Scientific Reports, 2015, 5, 16563.	3.3	270
2	A self-powered organolead halide perovskite single crystal photodetector driven by a DVD-based triboelectric nanogenerator. Journal of Materials Chemistry C, 2016, 4, 630-636.	5.5	87
3	Crystal structure refinement and luminescence properties of Ce3+ singly doped and Ce3+/Mn2+ co-doped KBaY(BO3)2 for n-UV pumped white-light-emitting diodes. RSC Advances, 2013, 3, 16534.	3.6	48
4	Layerâ€byâ€Layer Approach to (2+1)D Photonic Crystal Superlattice with Enhanced Crystalline Integrity. Small, 2015, 11, 4910-4921.	10.0	33
5	Preparation of multifunctional porous carbon electrodes through direct laser writing on a phenolic resin film. Journal of Materials Chemistry A, 2019, 7, 21168-21175.	10.3	32
6	Hexagonal Crown-Capped Zinc Oxide Micro Rods: Hydrothermal Growth and Formation Mechanism. Inorganic Chemistry, 2013, 52, 10167-10175.	4.0	30
7	Preparation of hollow magnetic porous zirconia fibers as effective catalyst carriers for Fenton reaction. Journal of Materials Chemistry A, 2018, 6, 12298-12307.	10.3	30
8	Preparation of hybrid chitosan membranes by selective laser sintering for adsorption and catalysis. Materials and Design, 2019, 173, 107780.	7.0	25
9	A General Surface Swellingâ€Induced Electroless Deposition Strategy for Fast Fabrication of Copper Circuits on Various Polymer Substrates. Advanced Materials Interfaces, 2017, 4, 1700052.	3.7	24
10	Universal Fluorescence Enhancement Substrate Based on Multiple Heterostructure Photonic Crystal with Superâ€Wide Stopband and Highly Sensitive Cr(VI) Detecting Performance. Advanced Optical Materials, 2018, 6, 1701344.	7.3	22
11	3D-printed continuous flow reactor for high yield synthesis of CH₃NH₃PbX₃ (X = Br, I) nanocrystals. Journal of Materials Chemistry C, 2019, 7, 9167-9174.	5.5	22
12	Porous TiO₂ with large surface area is an efficient catalyst carrier for the recovery of wastewater containing an ultrahigh concentration of dye. RSC Advances, 2018, 8, 3433-3442.	3.6	21
13	Fluorescent Fluid in 3Dâ€Printed Microreactors for the Acceleration of Photocatalytic Reactions. Advanced Science, 2019, 6, 1900583.	11.2	19
14	Highly efficient field emission from large-scale and uniform monolayer graphene sheet supported on patterned ZnO nanorod arrays. Journal of Materials Chemistry C, 2014, 2, 3965.	5.5	18
15	Large-Area and Ordered Sexfoil Pore Arrays by Spherical-Lens Photolithography. ACS Photonics, 2014, 1, 754-760.	6.6	18
16	Direct 3D Printing of Reactive Agitating Impellers for the Convenient Treatment of Various Pollutants in Water. Advanced Materials Interfaces, 2018, 5, 1701626.	3.7	18
17	Mesoporous ZrO₂ Nanopowder Catalysts for the Synthesis of 5-Hydroxymethylfurfural. ACS Applied Nano Materials, 2019, 2, 5125-5131.	5.0	18
18	A Hierarchical-Structured Impeller with Engineered Pd Nanoparticles Catalyzing Suzuki Coupling Reactions for High-Purity Biphenyl. ACS Applied Materials & Interfaces, 2021, 13, 17429-17438.	8.0	16

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19	Bodipy-Containing Porous Microcapsules for Flow Heterogeneous Photocatalysis. ACS Applied Materials & Interfaces, 2021, 13, 38722-38731.	8.0	15
20	Fabrication of colloidal photonic crystal heterostructures free of interface imperfection based on solvent vapor annealing. Journal of Colloid and Interface Science, 2014, 434, 98-103.	9.4	14
21	Size Dependent Mechanical Properties of Monolayer Densely Arranged Polystyrene Nanospheres. Langmuir, 2016, 32, 13187-13192.	3.5	13
22	Fabrication of multi-functional porous microspheres in a modular fashion for the detection, adsorption, and removal of pollutants in wastewater. Journal of Colloid and Interface Science, 2018, 522, 1-9.	9.4	12
23	Enhanced Mass Transfer and Improved Catalyst Recovery in a Stirred Reactor by Polymeric Ionic Liquids Modified 3D Printed Devices. Advanced Materials Technologies, 2019, 4, 1800515.	5.8	12
24	Preparation of hollow silver-polymer microspheres with a hierarchical structure for SERS. Applied Surface Science, 2019, 490, 293-301.	6.1	12
25	Scale-up Design of a Fluorescent Fluid Photochemical Microreactor by 3D Printing. ACS Omega, 2020, 5, 7666-7674.	3.5	12
26	A general strategy to fabricate photonic crystal heterostructure with Programmed photonic stopband. Journal of Colloid and Interface Science, 2018, 509, 318-326.	9.4	9
27	Preparation of soft somatosensory-detecting materials via selective laser sintering. Journal of Materials Chemistry C, 2019, 7, 6786-6794.	5.5	8
28	Laser-Induced Patterned Photonic Crystal Heterostructure for Multimetal Ion Recognition. ACS Applied Materials & Interfaces, 2021, 13, 4330-4339.	8.0	8
29	Quantitative Characterization of Mechanical Property of Annealed Monolayer Colloidal Crystal. Langmuir, 2016, 32, 451-459.	3.5	7
30	Coral-inspired â€œnanotentaclizationâ€•porous composite gel for efficient removal of Lead(II) from aqueous solution. Materials and Design, 2020, 195, 109072.	7.0	7
31	Origami-Based Bionic Reactor. Industrial & Engineering Chemistry Research, 2021, 60, 4279-4289.	3.7	7
32	Self-Assembly of Nanoparticles in a Modular Fashion to Prepare Multifunctional Catalysts for Cascade Reactions: From Simplicity to Complexity. ACS Omega, 2019, 4, 1549-1559.	3.5	6
33	Copper-Based Integral Catalytic Impeller for the Rapid Catalytic Reduction of 4-Nitrophenol. ACS Omega, 2021, 6, 21784-21791.	3.5	6
34	Casein-Hydroxyapatite Composite Microspheres for Strontium-Containing Wastewater Treatment. ACS ES&T Water, 2021, 1, 900-909.	4.6	4
35	Threeâ€dimensionalâ€printed holistic reactors with fractal structure for heterogeneous reaction. AICHE Journal, 2021, 67, e17298.	3.6	4
36	Tailoring Photon Emission from CH₃NH₃PbBr₃ Quantum Dots through Mn-Substitution. Journal of Physical Chemistry C, 2021, 125, 14311-14316.	3.1	4

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37	Facile Fabrication of Anisotropic Colloidal Particles with Controlled Shapes and Shape Dependence of Their Elastic Properties. Particle and Particle Systems Characterization, 2016, 33, 842-850.	2.3	3
38	Preparation of ZrO₂-Based Catalytic Fibers via the Assistance of Microfluidic Chips. Industrial & Engineering Chemistry Research, 2020, 59, 21592-21601.	3.7	3
39	Pd/Mg(OH)₂/MgOâ€“ZrO₂ Nanocomposite Systems for Highly Efficient Suzukiâ€“Miyaura Coupling Reaction at Room Temperature: Implications for Low-Carbon Green Organic Synthesis. ACS Applied Nano Materials, 2022, 5, 8059-8069.	5.0	3
40	Fabrication and Growth Mechanism of Uniform Suspended Perovskite Thin Films. Crystal Growth and Design, 2018, 18, 5770-5779.	3.0	2
41	A Centrifugalâ€Forceâ€Assisted Wetâ€Etching Approach toward Topâ€Down Fabrication of Perovskiteâ€Singleâ€Crystalline Thin Films. ChemistrySelect, 2020, 5, 14788-14791.	1.5	2
42	Fluorescence Enhancement by Photonic Crystal Structure: Universal Fluorescence Enhancement Substrate Based on Multiple Heterostructure Photonic Crystal with Super-Wide Stopband and Highly		