Liang Bao

List of Publications by Year in descending order

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25 papers	522 citations	759233 12 h-index	642732 23 g-index
25 all docs	25 docs citations	25 times ranked	548 citing authors

#	Article	IF	Citations
1	Rapid Hydroxyl Radical Generation on (001)-Facet-Exposed Ultrathin Anatase TiO₂ Nanosheets for Enhanced Photocatalytic Lignocellulose-to-H₂ Conversion. ACS Catalysis, 2022, 12, 2118-2125.	11.2	60
2	Achieving superior visible-light photocatalytic activity of surface-defect-rich Bi4Ti3O12 platelets. Chemical Physics Letters, 2021, 764, 138273.	2.6	6
3	Understanding the hierarchical behavior of Bi₂WO₆ with enhanced photocatalytic nitrogen fixation activity. Dalton Transactions, 2021, 50, 7427-7432.	3.3	7
4	Visible-light-responsive Z-scheme system for photocatalytic lignocellulose-to-H₂ conversion. Chemical Communications, 2021, 57, 9898-9901.	4.1	12
5	Porous and hydrophobic graphene-based coreâ€“shell sponges for efficient removal of water contaminants. Nanotechnology, 2021, 32, 265706.	2.6	2
6	Synergistic effects of La2Mg17/Ni/H system on hydrogen storage. Materials Letters, 2021, 291, 129548.	2.6	12
7	Feasible Tuning of Surface OVs on (001) TiO₂ for Superior Photocatalytic Nitrogen Fixation Activity. ChemPhysChem, 2021, 22, 2168-2171.	2.1	10
8	Mixed-Valent Cobalt-Modulated Tungsten Trioxide Nanorod Arrays for Improved Photocatalytic N₂ Fixation. Journal of Physical Chemistry C, 2021, 125, 21997-22005.	3.1	15
9	Identifying the role of interface chemical bonds in activating charge transfer for enhanced photocatalytic nitrogen fixation of Ni2P-black phosphorus photocatalysts. Applied Catalysis B: Environmental, 2021, 295, 120274.	20.2	62
10	Hydrogen pressure-assisted rapid recombination of oxygen vacancies in WO3 nanosheets for enhanced N2 photofixation. Journal of Solid State Chemistry, 2021, 303, 122520.	2.9	8
11	Highly dispersed BiOCl decahedra with a highly exposed (001) facet and exceptional photocatalytic performance. Dalton Transactions, 2020, 49, 11536-11542.	3.3	20
12	Hydrothermal synthesis of Bi@Bi4Ti3O12 nanosheets with enhanced visible-light photocatalytic activity. CrystEngComm, 2020, 22, 6316-6321.	2.6	7
13	Multi-step low-cost synthesis of ultrafine silicon porous structures for high-reversible lithium-ion battery anodes. Journal of Materials Science, 2020, 55, 13938-13950.	3.7	4
14	Surfactant-free hydrothermal synthesis of hierarchical flower-like Bi₂WO₆ mesosphere nanostructures with excellent visible-light photocatalytic activity. CrystEngComm, 2019, 21, 6293-6300.	2.6	14
15	Litchi-structural coreâ€“shell Si@C for high-performance lithiumâ€“ion battery anodes. Ionics, 2019, 25, 5809-5818.	2.4	6
16	Coâ€“P Bonds as Atomic-Level Charge Transfer Channel To Boost Photocatalytic H₂ Production of Co₂P/Black Phosphorus Nanosheets Photocatalyst. ACS Catalysis, 2019, 9, 7801-7807.	11.2	124
17	Hydrothermal synthesis of perovskite CaTiO₃ tetragonal microrods with vertical V-type holes along the [010] direction. CrystEngComm, 2019, 21, 4763-4770.	2.6	9
18	Controllable synthesis and morphology evolution of hierarchical LiFePO4 cathode materials for Li-ion batteries. Materials Characterization, 2019, 157, 109927.	4.4	13

#	Article	IF	Citations
19	Hydrothermal synthesized Bi₂WO₆ nanoplates: growth mechanism and photocatalytic activities. Materials Research Express, 2019, 6, 1150g6.	1.6	4
20	Hydrothermal Synthesis of Monodispersed LiMnPO4 (010) Nanobelts and [001] Nanorods and Their Applications in Lithium-Ion Batteries. European Journal of Inorganic Chemistry, 2018, 2018, 1533-1539.	2.0	29
21	Mono-dispersed LiFePO4@C core-shell [001] nanorods for a high power Li-ion battery cathode. Journal of Alloys and Compounds, 2017, 708, 685-693.	5.5	30
22	Hydrothermal Synthesis and Phaseâ€; Morphologyâ€Evolution Mechanism of Lead Titanate Nanostructures Assisted with Tetramethylammonium Hydroxide. Chinese Journal of Chemistry, 2017, 35, 1043-1049.	4.9	2
23	Ethylene glycol (EG) solvothermal synthesis of flower-like LiMnPO₄nanostructures self-assembled with (010) nanobelts for Li-ion battery positive cathodes. CrystEngComm, 2016, 18, 3282-3288.	2.6	18
24	Hydrothermal synthesis of stamen-like LiMnPO₄nanostructures self-assembled with [001]-oriented nanorods and their application in Li-ion batteries. CrystEngComm, 2016, 18, 2385-2391.	2.6	18
25	Hydrothermal synthesis of flower-like LiMnPO4nanostructures self-assembled with (010) nanosheets and their application in Li-ion batteries. CrystEngComm, 2015, 17, 6399-6405.	2.6	30