

# Lei Yang

## List of Publications by Year in descending order

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docs citations

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times ranked

186  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transition metal decorated bismuthene for ammonia synthesis: A density functional theory study. Chinese Chemical Letters, 2023, 34, 107659.	9.0	1
2	Enhanced mechanical properties and biocompatibility on BC/HAp composite through calcium gluconate fortified bacterial. Carbohydrate Polymers, 2022, 281, 119085.	10.2	9
3	<i>In Situ</i> Biosynthesis of Biodegradable Functional Bacterial Cellulose for High-Efficiency Particulate Air Filtration. ACS Sustainable Chemistry and Engineering, 2022, 10, 1644-1652.	6.7	17
4	Tuning Nitrate Electroreduction Activity via an Equilibrium Adsorption Strategy: A Computational Study. Journal of Physical Chemistry Letters, 2022, 13, 1726-1733.	4.6	25
5	Accelerating electrocatalytic reduction of nitrate to ammonia by utilizing steric hindrance in single boron-decorated 2H/1T-MoS <sub>2</sub> : A theoretical insight. Applied Surface Science, 2022, 596, 153624.	6.1	13
6	Gas assisted in situ biomimetic mineralization of bacterial cellulose/calcium carbonate bio composites by bacterial. International Journal of Biological Macromolecules, 2021, 182, 1690-1696.	7.5	9
7	In Situ Strategy for Biomimetic Construction of Calcium Phosphate Mineral Shells on Microbial Cells. ACS Sustainable Chemistry and Engineering, 2021, 9, 9854-9860.	6.7	8
8	Molecular Origin of the Biologically Accelerated Mineralization of Hydroxyapatite on Bacterial Cellulose for More Robust Nanocomposites. Nano Letters, 2021, 21, 10292-10300.	9.1	19
9	The FeN <sub>3</sub> Doped Fluorographene for N <sub>2</sub> Fixation: A Density Functional Theory Study. ChemistrySelect, 2020, 5, 9370-9376.	1.5	3
10	Feasibility of N <sub>2</sub> Reduction on the V Anchored 1T <sup>~</sup> MoS <sub>2</sub> Monolayer: A Density Functional Theory Study. ChemPhysChem, 2020, 21, 1217-1217.	2.1	2
11	Excellent catalysis of Mn <sub>3</sub> O <sub>4</sub> nanoparticles on the hydrogen storage properties of MgH <sub>2</sub> : an experimental and theoretical study. Nanoscale Advances, 2020, 2, 1666-1675.	4.6	35
12	Mechanism of carboxymethyl chitosan hybrid montmorillonite and adsorption of Pb(II) and Congo red by CMC-MMT organic-inorganic hybrid composite. International Journal of Biological Macromolecules, 2020, 149, 1161-1169.	7.5	45
13	Feasibility of N <sub>2</sub> Reduction on the V Anchored 1T <sup>~</sup> MoS <sub>2</sub> Monolayer: A Density Functional Theory Study. ChemPhysChem, 2020, 21, 1235-1242.	2.1	14
14	How to Boost the Activity of the Monolayer Pt Supported on TiC Catalysts for Oxygen Reduction Reaction: A Density Functional Theory Study. Materials, 2019, 12, 1560.	2.9	3
15	Adsorption Properties of Pb <sup>2+</sup> by Amino Group <sup>™</sup> s Functionalized Montmorillonite from Aqueous Solutions. Journal of Chemical & Engineering Data, 2018, 63, 2940-2949.	1.9	25