

# Lei Yang

## List of Publications by Year in descending order

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Version: 2024-02-01

15  
papers

228  
citations

1040056

9  
h-index

1058476

14  
g-index

15  
all docs

15  
docs citations

15  
times ranked

186  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanism of carboxymethyl chitosan hybrid montmorillonite and adsorption of Pb(II) and Congo red by CMC-MMT organic-inorganic hybrid composite. <i>International Journal of Biological Macromolecules</i> , 2020, 149, 1161-1169.	7.5	45
2	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. <i>Nanoscale Advances</i> , 2020, 2, 1666-1675.	4.6	35
3	Adsorption Properties of Pb <sup>2+</sup> by Amino Group's Functionalized Montmorillonite from Aqueous Solutions. <i>Journal of Chemical &amp; Engineering Data</i> , 2018, 63, 2940-2949.	1.9	25
4	Tuning Nitrate Electroreduction Activity via an Equilibrium Adsorption Strategy: A Computational Study. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 1726-1733.	4.6	25
5	Molecular Origin of the Biologically Accelerated Mineralization of Hydroxyapatite on Bacterial Cellulose for More Robust Nanocomposites. <i>Nano Letters</i> , 2021, 21, 10292-10300.	9.1	19
6	<i>In Situ</i> Biosynthesis of Biodegradable Functional Bacterial Cellulose for High-Efficiency Particulate Air Filtration. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 1644-1652.	6.7	17
7	Feasibility of N <sub>2</sub> Reduction on the V Anchored 1T' MoS <sub>2</sub> Monolayer: A Density Functional Theory Study. <i>ChemPhysChem</i> , 2020, 21, 1235-1242.	2.1	14
8	Accelerating electrocatalytic reduction of nitrate to ammonia by utilizing steric hindrance in single boron-decorated 2H/1T-MoS <sub>2</sub> : A theoretical insight. <i>Applied Surface Science</i> , 2022, 596, 153624.	6.1	13
9	Gas assisted in situ biomimetic mineralization of bacterial cellulose/calcium carbonate bio composites by bacterial. <i>International Journal of Biological Macromolecules</i> , 2021, 182, 1690-1696.	7.5	9
10	Enhanced mechanical properties and biocompatibility on BC/HAp composite through calcium gluconate fortified bacterial. <i>Carbohydrate Polymers</i> , 2022, 281, 119085.	10.2	9
11	In Situ Strategy for Biomimetic Construction of Calcium Phosphate Mineral Shells on Microbial Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 9854-9860.	6.7	8
12	How to Boost the Activity of the Monolayer Pt Supported on TiC Catalysts for Oxygen Reduction Reaction: A Density Functional Theory Study. <i>Materials</i> , 2019, 12, 1560.	2.9	3
13	The FeN <sub>3</sub> Doped Fluorographene for N <sub>2</sub> Fixation: A Density Functional Theory Study. <i>ChemistrySelect</i> , 2020, 5, 9370-9376.	1.5	3
14	Feasibility of N <sub>2</sub> Reduction on the V Anchored 1T' MoS <sub>2</sub> Monolayer: A Density Functional Theory Study. <i>ChemPhysChem</i> , 2020, 21, 1217-1217.	2.1	2
15	Transition metal decorated bismuthene for ammonia synthesis: A density functional theory study. <i>Chinese Chemical Letters</i> , 2023, 34, 107659.	9.0	1