

Chunping Chen

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

2,065
citations

279487

23
h-index

288905

40
g-index

41
all docs

41
docs citations

41
times ranked

2895
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-assembled Fe ₃ O ₄ -layered double hydroxide colloidal nanohybrids with excellent performance for treatment of organic dyes in water. <i>Journal of Materials Chemistry</i> , 2011, 21, 1218-1225.	6.7	206
2	Ellipsoidal hollow nanostructures assembled from anatase TiO ₂ nanosheets as a magnetically separable photocatalyst. <i>Chemical Communications</i> , 2011, 47, 2631.	2.2	195
3	Silver Nanoparticles Deposited Layered Double Hydroxide Nanoporous Coatings with Excellent Antimicrobial Activities. <i>Advanced Functional Materials</i> , 2012, 22, 780-787.	7.8	145
4	Fast precipitation of uniform CaCO ₃ nanospheres and their transformation to hollow hydroxyapatite nanospheres. <i>Journal of Colloid and Interface Science</i> , 2010, 352, 393-400.	5.0	140
5	CO ₂ Hydrogenation to Methanol over Catalysts Derived from Single Cationic Layer CuZnGa LDH Precursors. <i>ACS Catalysis</i> , 2018, 8, 4390-4401.	5.5	121
6	Carbon nitride nanosheet/metal-organic framework nanocomposites with synergistic photocatalytic activities. <i>Catalysis Science and Technology</i> , 2016, 6, 5042-5051.	2.1	116
7	Synthesis and characterisation of aqueous miscible organic-layered double hydroxides. <i>Journal of Materials Chemistry A</i> , 2014, 2, 15102-15110.	5.2	114
8	High gas barrier coating using non-toxic nanosheet dispersions for flexible food packaging film. <i>Nature Communications</i> , 2019, 10, 2398.	5.8	94
9	Recent advances in direct air capture by adsorption. <i>Chemical Society Reviews</i> , 2022, 51, 6574-6651.	18.7	89
10	Phytotoxicity and bioaccumulation of ZnO nanoparticles in <i>Schoenoplectus tabernaemontani</i> . <i>Chemosphere</i> , 2015, 120, 211-219.	4.2	70
11	Tuneable ultra high specific surface area Mg/Al-CO ₃ -layered double hydroxides. <i>Dalton Transactions</i> , 2015, 44, 16392-16398.	1.6	63
12	Core-shell SiO ₂ @LDHs with tuneable size, composition and morphology. <i>Chemical Communications</i> , 2015, 51, 3462-3465.	2.2	60
13	A facile synthesis of monodispersed hierarchical layered double hydroxide on silica spheres for efficient removal of pharmaceuticals from water. <i>Journal of Materials Chemistry A</i> , 2013, 1, 3877.	5.2	59
14	Efficient CO ₂ capture from ambient air with amine-functionalized Mg-Al mixed metal oxides. <i>Journal of Materials Chemistry A</i> , 2020, 8, 16421-16428.	5.2	58
15	A facile synthesis of strong near infrared fluorescent layered double hydroxide nanovehicles with an anticancer drug for tumor optical imaging and therapy. <i>Nanoscale</i> , 2013, 5, 4314.	2.8	57
16	Uptake and accumulation of CuO nanoparticles and CdS/ZnS quantum dot nanoparticles by <i>Schoenoplectus tabernaemontani</i> in hydroponic mesocosms. <i>Ecological Engineering</i> , 2014, 70, 114-123.	1.6	43
17	Core-shell zeolite@aqueous miscible organic-layered double hydroxides. <i>Chemical Science</i> , 2016, 7, 1457-1461.	3.7	41
18	Two-Dimensional Covalent-Organic Frameworks for Photocatalysis: The Critical Roles of Building Block and Linkage. <i>Solar Rrl</i> , 2021, 5, 2000458.	3.1	40

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19	Roles for K ₂ CO ₃ doping on elevated temperature CO ₂ adsorption of potassium promoted layered double oxides. <i>Chemical Engineering Journal</i> , 2019, 366, 181-191.	6.6	35
20	Synthesis of elevated temperature CO ₂ adsorbents from aqueous miscible organic-layered double hydroxides. <i>Energy</i> , 2019, 167, 960-969.	4.5	34
21	Synthesis of Porous Amorphous FePO ₄ Nanotubes and Their Lithium Storage Properties. <i>Chemistry - A European Journal</i> , 2013, 19, 1568-1572.	1.7	33
22	Metallocene supported core@LDH catalysts for slurry phase ethylene polymerisation. <i>Chemical Communications</i> , 2016, 52, 4076-4079.	2.2	28
23	Silica@layered double hydroxide core-shell hybrid materials. <i>Dalton Transactions</i> , 2018, 47, 143-149.	1.6	27
24	Single-Ni Sites Embedded in Multilayer Nitrogen-Doped Graphene Derived from Amino-Functionalized MOF for Highly Selective CO ₂ Electroreduction. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 3792-3801.	3.2	24
25	Bifunctional acid-base mesoporous silica@aqueous miscible organic-layered double hydroxides. <i>RSC Advances</i> , 2019, 9, 3749-3754.	1.7	17
26	Water adsorbancy of high surface area layered double hydroxides (AMO-LDHs). <i>RSC Advances</i> , 2018, 8, 34650-34655.	1.7	16
27	Surface modification of aqueous miscible organic layered double hydroxides (AMO-LDHs). <i>Dalton Transactions</i> , 2020, 49, 8498-8503.	1.6	15
28	Modified layered double hydroxides for efficient and reversible carbon dioxide capture from air. <i>Cell Reports Physical Science</i> , 2021, 2, 100484.	2.8	15
29	A facile synthesis of layered double hydroxide based core-shell hybrid materials. <i>New Journal of Chemistry</i> , 2020, 44, 10095-10101.	1.4	14
30	Correlations of acidity-basicity of solvent treated layered double hydroxides/oxides and their CO ₂ capture performance. <i>Dalton Transactions</i> , 2020, 49, 9306-9311.	1.6	13
31	Non-toxic layered double hydroxide nanoplatelet dispersions for gas barrier coatings on flexible packaging. <i>Materials Advances</i> , 2021, 2, 2626-2635.	2.6	12
32	Synthesis of dense porous layered double hydroxides from struvite. <i>Green Chemistry</i> , 2021, 23, 1616-1620.	4.6	12
33	Aqueous miscible organic solvent treated NiTi layered double hydroxide De-NO _x photocatalysts. <i>Chemical Engineering Journal</i> , 2022, 429, 132361.	6.6	11
34	Aqueous miscible organic layered double hydroxides as catalyst precursors for biodiesel synthesis. <i>Green Chemistry</i> , 2020, 22, 3117-3121.	4.6	10
35	Dendritic silica@aqueous miscible organic-layered double hydroxide hybrids. <i>Dalton Transactions</i> , 2018, 47, 16413-16417.	1.6	9
36	Aqueous miscible organic-layered double hydroxides with improved CO ₂ adsorption capacity. <i>Adsorption</i> , 2020, 26, 1127-1135.	1.4	8

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37	Controlling the activity of an immobilised molecular catalyst by Lewis acidity tuning of the support. <i>Journal of Catalysis</i> , 2021, 402, 94-100.	3.1	7
38	Aged layered double hydroxide nanosheetâ€“polyvinyl alcohol dispersions for enhanced gas barrier coating performance. <i>Materials Horizons</i> , 2021, 8, 2823-2833.	6.4	6
39	Ni ₂ Mn-layered double oxide electrodes in organic electrolyte based supercapacitors. <i>RSC Advances</i> , 2021, 11, 27267-27275.	1.7	6
40	Design of amine-functionalized layered double oxide nanosheets with efficient CO ₂ capture capacities from ambient air, ultrafast kinetics, and promising stability. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0