Chunping Chen

List of Publications by Year in descending order

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#	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. Journal of Materials Chemistry, 2011, 21, 1218-1225.	6.7	206
2	Ellipsoidal hollow nanostructures assembled from anatase TiO2 nanosheets as a magnetically separable photocatalyst. Chemical Communications, 2011, 47, 2631.	4.1	195
3	Silver Nanoparticles Deposited Layered Double Hydroxide Nanoporous Coatings with Excellent Antimicrobial Activities. Advanced Functional Materials, 2012, 22, 780-787.	14.9	145
4	Fast precipitation of uniform CaCO3 nanospheres and their transformation to hollow hydroxyapatite nanospheres. Journal of Colloid and Interface Science, 2010, 352, 393-400.	9.4	140
5	CO ₂ Hydrogenation to Methanol over Catalysts Derived from Single Cationic Layer CuZnGa LDH Precursors. ACS Catalysis, 2018, 8, 4390-4401.	11.2	121
6	Carbon nitride nanosheet/metal–organic framework nanocomposites with synergistic photocatalytic activities. Catalysis Science and Technology, 2016, 6, 5042-5051.	4.1	116
7	Synthesis and characterisation of aqueous miscible organic-layered double hydroxides. Journal of Materials Chemistry A, 2014, 2, 15102-15110.	10.3	114
8	High gas barrier coating using non-toxic nanosheet dispersions for flexible food packaging film. Nature Communications, 2019, 10, 2398.	12.8	94
9	Recent advances in direct air capture by adsorption. Chemical Society Reviews, 2022, 51, 6574-6651.	38.1	89
10	Phytotoxicity and bioaccumulation of ZnO nanoparticles in Schoenoplectus tabernaemontani. Chemosphere, 2015, 120, 211-219.	8.2	70
11	Tuneable ultra high specific surface area Mg/Al-CO ₃ layered double hydroxides. Dalton Transactions, 2015, 44, 16392-16398.	3.3	63
12	Core–shell SiO ₂ @LDHs with tuneable size, composition and morphology. Chemical Communications, 2015, 51, 3462-3465.	4.1	60
13	A facile synthesis of monodispersed hierarchical layered double hydroxide on silica spheres for efficient removal of pharmaceuticals from water. Journal of Materials Chemistry A, 2013, 1, 3877.	10.3	59
14	Efficient CO ₂ capture from ambient air with amine-functionalized Mg–Al mixed metal oxides. Journal of Materials Chemistry A, 2020, 8, 16421-16428.	10.3	58
15	A facile synthesis of strong near infrared fluorescent layered double hydroxide nanovehicles with an anticancer drug for tumor optical imaging and therapy. Nanoscale, 2013, 5, 4314.	5.6	57
16	Uptake and accumulation of CuO nanoparticles and CdS/ZnS quantum dot nanoparticles by Schoenoplectus tabernaemontani in hydroponic mesocosms. Ecological Engineering, 2014, 70, 114-123.	3.6	43
17	Core–shell zeolite@aqueous miscible organic-layered double hydroxides. Chemical Science, 2016, 7, 1457-1461.	7.4	41
18	Twoâ€Dimensional Covalentâ€Organic Frameworks for Photocatalysis: The Critical Roles of Building Block and Linkage. Solar Rrl, 2021, 5, 2000458.	5.8	40

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19	Roles for K2CO3 doping on elevated temperature CO2 adsorption of potassium promoted layered double oxides. Chemical Engineering Journal, 2019, 366, 181-191.	12.7	35
20	Synthesis of elevated temperature CO2 adsorbents from aqueous miscible organic-layered double hydroxides. Energy, 2019, 167, 960-969.	8.8	34
21	Synthesis of Porous Amorphous FePO ₄ Nanotubes and Their Lithium Storage Properties. Chemistry - A European Journal, 2013, 19, 1568-1572.	3.3	33
22	Metallocene supported core@LDH catalysts for slurry phase ethylene polymerisation. Chemical Communications, 2016, 52, 4076-4079.	4.1	28
23	Silica@layered double hydroxide core–shell hybrid materials. Dalton Transactions, 2018, 47, 143-149.	3.3	27
24	Single-Ni Sites Embedded in Multilayer Nitrogen-Doped Graphene Derived from Amino-Functionalized MOF for Highly Selective CO ₂ Electroreduction. ACS Sustainable Chemistry and Engineering, 2021, 9, 3792-3801.	6.7	24
25	Bifunctional acid–base mesoporous silica@aqueous miscible organic-layered double hydroxides. RSC Advances, 2019, 9, 3749-3754.	3.6	17
26	Water adsorbancy of high surface area layered double hydroxides (AMO-LDHs). RSC Advances, 2018, 8, 34650-34655.	3.6	16
27	Surface modification of aqueous miscible organic layered double hydroxides (AMO-LDHs). Dalton Transactions, 2020, 49, 8498-8503.	3.3	15
28	Modified layered double hydroxides for efficient and reversible carbon dioxide capture from air. Cell Reports Physical Science, 2021, 2, 100484.	5.6	15
29	A facile synthesis of layered double hydroxide based core@shell hybrid materials. New Journal of Chemistry, 2020, 44, 10095-10101.	2.8	14
30	Correlations of acidity-basicity of solvent treated layered double hydroxides/oxides and their CO ₂ capture performance. Dalton Transactions, 2020, 49, 9306-9311.	3.3	13
31	Non-toxic layered double hydroxide nanoplatelet dispersions for gas barrier coatings on flexible packaging. Materials Advances, 2021, 2, 2626-2635.	5.4	12
32	Synthesis of dense porous layered double hydroxides from struvite. Green Chemistry, 2021, 23, 1616-1620.	9.0	12
33	Aqueous miscible organic solvent treated NiTi layered double hydroxide De-NOx photocatalysts. Chemical Engineering Journal, 2022, 429, 132361.	12.7	11
34	Aqueous miscible organic layered double hydroxides as catalyst precursors for biodiesel synthesis. Green Chemistry, 2020, 22, 3117-3121.	9.0	10
35	Dendritic silica@aqueous miscible organic-layered double hydroxide hybrids. Dalton Transactions, 2018, 47, 16413-16417.	3.3	9
36	Aqueous miscible organic-layered double hydroxides with improved CO2 adsorption capacity. Adsorption, 2020, 26, 1127-1135.	3.0	8

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37	Controlling the activity of an immobilised molecular catalyst by Lewis acidity tuning of the support. Journal of Catalysis, 2021, 402, 94-100.	6.2	7
38	Aged layered double hydroxide nanosheet–polyvinyl alcohol dispersions for enhanced gas barrier coating performance. Materials Horizons, 2021, 8, 2823-2833.	12.2	6
39	Ni ₂ Mn-layered double oxide electrodes in organic electrolyte based supercapacitors. RSC Advances, 2021, 11, 27267-27275.	3.6	6
40	Design of amine-functionalized layered double oxide nanosheets with efficient CO2 capture capacities from ambient air, ultrafast kinetics, and promising stability. SSRN Electronic Journal, 0, , .	0.4	0