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Structural transformation of layered double hydroxides: an in situ TEM analysis

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#	Paper	IF	Citations
41	Ketone Formation via Decarboxylation Reactions of Fatty Acids Using Solid Hydroxide/Oxide Catalysts. <i>Inorganics</i> , 2018 , 6, 121	2.9	6
40	Synthesis of Polypyrrole-Modified Layered Double Hydroxides for Efficient Removal of Cr(VI). <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 4357-4368	2.8	52
39	Liquid phase exfoliation of carbonate-intercalated layered double hydroxides. <i>Chemical Communications</i> , 2019 , 55, 3315-3318	5.8	30
38	Investigation of Thermal Behavior of Layered Double Hydroxides Intercalated with Carboxymethylcellulose Aiming Bio-Carbon Based Nanocomposites. <i>ChemEngineering</i> , 2019 , 3, 55	2.6	9
37	Structural features and electronic properties of Group-IIIB pnictides nanosheets and nanoribbons. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019 , 383, 2744-2750	2.3	1
36	One-Step in Situ Synthesis of Reduced Graphene Oxide/Zn-Al Layered Double Hydroxide Film for Enhanced Corrosion Protection of Magnesium Alloys. <i>Langmuir</i> , 2019 , 35, 6312-6320	4	31
35	Luminescent Layered Double Hydroxides Intercalated with an Anionic Photosensitizer via the Memory Effect. <i>Crystals</i> , 2019 , 9, 153	2.3	8
34	Rationally engineered 3D-dendritic cell-like morphologies of LDH nanostructures using graphene-based core-shell structures. <i>Microsystems and Nanoengineering</i> , 2019 , 5, 65	7.7	15
33	Layered Metal Hydroxides and Their Derivatives: Controllable Synthesis, Chemical Exfoliation, and Electrocatalytic Applications. <i>Advanced Energy Materials</i> , 2020 , 10, 1902535	21.8	48
32	Magnetic $\gamma\text{-Fe}_2\text{O}_3$ @Cu-LDH intercalated with Palladium Cysteine: An efficient dual nano catalyst in tandem C N coupling and cyclization progress of synthesis quinolines. <i>Applied Clay Science</i> , 2020 , 198, 105841	5.2	6
31	Zn-Al Layered Double Hydroxide Thin Film Fabricated by the Sputtering Method and Aqueous Solution Treatment. <i>Coatings</i> , 2020 , 10, 669	2.9	4
30	Superlattice Structure from Re-stacked NiFe Layer Double Hydroxides for Oxygen Evolution Reaction. <i>Chemical Research in Chinese Universities</i> , 2020 , 36, 680-684	2.2	
29	NiFe Layered Double Hydroxides with Unsaturated Metal Sites via Precovered Surface Strategy for Oxygen Evolution Reaction. <i>ACS Catalysis</i> , 2020 , 10, 11127-11135	13.1	44
28	Layered Double Hydroxide as a Potent Non-viral Vector for Nucleic Acid Delivery Using Gene-Activated Scaffolds for Tissue Regeneration Applications. <i>Pharmaceutics</i> , 2020 , 12,	6.4	9
27	Enhanced Pollutant Adsorption and Regeneration of Layered Double Hydroxide-Based Photoregenerable Adsorbent. <i>Environmental Science & Technology</i> , 2020 , 54, 9106-9115	10.3	13
26	Metal/semiconductor interfaces in nanoscale objects: synthesis, emerging properties and applications of hybrid nanostructures. <i>Nanoscale Advances</i> , 2020 , 2, 930-961	5.1	25
25	Aspect Ratio Control of Layered Double Hydroxide Nanosheets and Their Application for High Oxygen Barrier Coating in Flexible Food Packaging. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 10973-10982	9.5	11

24	Two-dimensional layered nanosheets: structure and unique properties. 2021 , 465-497		1
23	Transparent and Unipolar Nonvolatile Memory Using 2D Vertically Stacked Layered Double Hydroxide. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2001990	4.6	1
22	Selective Intercalation of Phenolphthalein Quinone Dianion in Layered Hosts against UV-Photodegradation of Bitumen. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 5076-5083 ³⁻⁹		
21	Carbon-Based Capacitive Deionization Electrodes: Development Techniques and its Influence on Electrode Properties. <i>Chemical Record</i> , 2021 , 21, 820-840	6.6	6
20	TEM and EELS characterization of NiBe layered double hydroxide decompositions caused by electron beam irradiation. <i>Npj 2D Materials and Applications</i> , 2021 , 5,	8.8	5
19	Humidity-Independent Photocatalytic Toluene Mineralization Benefits from the Utilization of Edge Hydroxyls in Layered Double Hydroxides (LDHs): A Combined Operando and Theoretical Investigation. <i>ACS Catalysis</i> , 2021 , 11, 8132-8139	13.1	7
18	Ultrasound-seeded vapor-phase-transport growth of boundary-rich layered double hydroxide nanosheet arrays for highly efficient water splitting. <i>Chemical Engineering Journal</i> , 2022 , 433, 134552	14.7	2
17	Synergetic adsorption and photocatalysis performance of g-C3N4/Ce-doped MgAl-LDH in degradation of organic dye under LED visible light. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 643, 128738	5.1	0
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- 6 Removal of cerium ions by Amino Cyclohexyl Phosphonic Acid (ACHPA) intercalated into layered double hydroxide (Ni/Al-LDH). 1-13
- 5 Extended Solid-Solubility Limit in Layered Double Hydroxides: Tuning the Anion-Adsorption Selectivity.
- 4 Synthesis of NiAl-LDH via Coprecipitation: Formation Mechanism, Synthesis Intensification and Catalytic Application.
- 3 Anodization of NiFe Foam for Water-Oxidation Reaction under Neutral Conditions.
- 2 Engineered mineralogical interfaces as radionuclide repositories. **2023**, 13,
- 1 Thermal Stability and Sublimation of Two-Dimensional Co₉Se₈ Nanosheets for Ultrathin and Flexible Nanoelectronic Devices. **2023**, 6, 2421-2428