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Phosphate-intercalated cafe- layered double

Phosphate-intercalated CaFe-layered double hydroxides: Crystal structure, bonding character, and release kinetics of phosphate. Year: 2011 | Volume: 184 | Issue: 1

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Controlled release kinetics in hydroxy double

such as layered double hydroxides Controlled Release Kinetics in Hydroxy Double of the HDS structure due to extensive hydrogen bonding as

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Conducting polymers / layered double hydroxides

Conducting Polymers / Layered Double Hydroxides Intercalated forming neutral planar layers that are held together by hydrogen bonds. In this type of structure,

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Thermal decomposition of co al layered double

Thermal decomposition of Co Al layered double hydroxide: Identification of LDH through ionic and H-bonding 2006 Layered double hydroxides, structure

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Organic anions in layered double hydroxides: an

Organic anions in layered double hydroxides: An experimental investigation of materials such as layered double hydroxides in stabilizing the structure.

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Hydroxide - wikipedia, the free encyclopedia

LiOH, however, has a layered structure, made This is an unusual form of hydrogen bonding since the two hydroxide ion Layered double hydroxides may be

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Terephthalate intercalated layered double

Terephthalate Intercalated Layered Double The structure of an LDH is similar to that of Layered Double Hydroxides, Struct. Bonding, 119, 1. Iyi,
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Layered double hydroxides: an emerging class of

Layered double hydroxides (LDHs) are a class of synthetic clays with brucite $[Mg(OH)_2]$ Owing to their layered structure, wide chemical compositions,
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Interlayer structure of bioactive molecule, 2

(2012), Article ID 987938, are described in terms of interlayer structure and bonding Layered double hydroxide as an efficient drug
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Nitrate-intercalated layered double hydroxides

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Hydration, expansion, structure, and dynamics of

NMR spectroscopic data for a wide range of layered double hydroxides have a two-water layer structure, Bond-length fluctuation in the
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Layered double hydroxide and its anion exchange

Jul 29, 2015 Layered double hydroxide Bonding Fasteners; The layered structure was confirmed by their characteristic XRD patterns as in Figure 1.

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Application of layered double hydroxides for

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Interlayer structure of iodide intercalated

The iodide-containing layered double hydroxides charge nor participate in H-bonding with the metal hydroxide double hydroxide; Iodides; Structure;

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Structure and composition of the layered double

of the Layered Double Hydroxides of Structure and Composition of the Layered Double Hydroxides of Mg and Fe: Implications for Anion-Exchange Reactions.

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Preparation of layered double hydroxides -

Preparation of Layered Double Hydroxides Jing He, Min Wei, Bo Li, Yu Kang, Structure and Bonding Series Volume 119 Series ISSN 0081-5993

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Applications of layered double hydroxides -

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Layered double hydroxide surface modified with

Interlayer surfaces of layered double hydroxide covalent oxane bonds M properties and structure of layered double hydroxides using silanes with

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Structure, molecular simulation, and release of a

Compared with other drug carriers, layered double hydroxides (LDHs), indicating weak bond and distorted structure formation in ZnAl-LDHs while H₂PO₄

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Synthesis and structure refinement of layered

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Crystal chemistry of natural layered double

The crystal structures are based on double hydroxide Average bond lengths for the metal site are 2.017 and The layer stacking sequence can

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Fougerite a natural layered double hydroxide in

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Phosphate-intercalated Ca-Fe-layered double hydroxides: Crystal structure, bonding character, Abstract The nitrate-form of Ca-Fe-layered double hydroxide

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Zn- and co-based layered double hydroxides:

It is shown to be useful as a sanity test for extant and future structure Layered double hydroxide (LDH Values for the bond angle were

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Layered double hydroxides (book, 2006)

Layered double hydroxides. [Xue Duan; D G Evans;] Structure and bonding, 119. Responsibility: volume editors, X. Duan, D.G. Evans. More information:

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Metal composition of layered double hydroxides

A series of calcined carbonate layered double hydroxides Double layer structures with layer ions (Me Layered Double Hydroxides: Structure and Bonding.

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Structure of the chloride- and

Structure of the Chloride- and Bromide-Intercalated Layered Double layered double hydroxides by the interplay of Coulombic and hydrogen-bonding

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Molecular dynamics simulation of the energetics

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Nomenclature of the hydrotalcite supergroup:

Nomenclature of the hydrotalcite supergroup: Layered double hydroxide layer structure with less than full occupancy of the

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Layered double hydroxides - wikipedia, the free

Layered double hydroxides (LDH) and the Ramsdell polytype symbol (number of layers in the repeat of the structure, and crystal system). For example,

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Natural double layered hydroxides: structure,

Layered double hydroxides (LDHs) constitute an important group of materials with many applications ranging from catalysis and absorption to carriers for drug delivery

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Review of the synthesis of layered double

Review of the synthesis of layered double hydroxides: a monovalent and tetravalent metals that may be part of the LDH structure have been

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