

Manohara Gudiyor Veerabhadrapa

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Characterization of Chemisorbed Species and Active Adsorption Sites in Mg-Al Mixed Metal Oxides for High-Temperature CO ₂ Capture. <i>Chemistry of Materials</i> , 2022, 34, 3893-3901.	6.7	10
2	Acetate intercalated Mg-Al layered double hydroxides (LDHs) through modified amide hydrolysis: a new route to synthesize novel mixed metal oxides (MMOs) for CO ₂ capture. <i>Dalton Transactions</i> , 2021, 50, 7474-7483.	3.3	11
3	Layered Double Hydroxides-Based Mixed Metal Oxides: Development of Novel Structured Sorbents for CO ₂ Capture Applications. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 11805-11813.	8.0	20
4	The effect of the layer-interlayer chemistry of LDHs on developing high temperature carbon capture materials. <i>Dalton Transactions</i> , 2020, 49, 923-931.	3.3	12
5	Layered Double Hydroxide (LDH)-Derived Mixed Metal Oxides (MMOs): A Systematic Crystal-Chemical Approach to Investigating the Chemical Composition and its Effect on High Temperature CO ₂ capture. <i>ChemistrySelect</i> , 2020, 5, 5587-5594.	1.5	10
6	Advanced High-Temperature CO ₂ Sorbents with Improved Long-Term Cycling Stability. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 33765-33774.	8.0	12
7	Reduced to Hierarchy: Carbon Filament-Supported Mixed Metal Oxide Nanoparticles. <i>ACS Omega</i> , 2019, 4, 20230-20236.	3.5	2
8	A simple and green synthesis method for Ca-adamantanecarboxylate: a novel precursor for high temperature CO ₂ capture sorbent materials. <i>Sustainable Energy and Fuels</i> , 2019, 3, 3318-3323.	4.9	3
9	Ultra-high aspect ratio hybrid materials: the role of organic guest and synthesis method. <i>Dalton Transactions</i> , 2018, 47, 2933-2938.	3.3	6
10	Synthesis of the Benzoate Intercalated Layered Double Hydroxide of Nickel and Aluminum: Application of Mering's Rule. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014, 640, 434-438.	1.2	7
11	Exfoliation of layered double hydroxides (LDHs): a new route to mineralize atmospheric CO ₂ . <i>RSC Advances</i> , 2014, 4, 46126-46132.	3.6	22
12	Structure and Composition of the Layered Double Hydroxides of Mg and Fe: Implications for Anion-Exchange Reactions. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 2624-2630.	2.0	28
13	Synthesis and structure refinement of layered double hydroxides of Co, Mg and Ni with Ga. <i>Bulletin of Materials Science</i> , 2010, 33, 325-331.	1.7	21
14	Homogeneous Precipitation by Formamide Hydrolysis: Synthesis, Reversible Hydration, and Aqueous Exfoliation of the Layered Double Hydroxide (LDH) of Ni and Al. <i>Langmuir</i> , 2010, 26, 15586-15591.	3.5	50