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List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Structural characterization of organo-montmorillonites prepared from a series of primary alkylamines salts: Mid-IR and near-IR study. <i>Applied Clay Science</i> , 2019, 176, 11-20.	5.2	158
2	Carbon Nanotubes Encapsulating Superconducting Single-Crystalline Tin Nanowires. <i>Nano Letters</i> , 2006, 6, 1131-1135.	9.1	86
3	Catalytic production of carbon nanotubes over Fe-Ni bimetallic catalysts supported on MgO. <i>Diamond and Related Materials</i> , 2007, 16, 155-160.	3.9	82
4	Metal cation-exchanged montmorillonite catalyzed protection of aromatic aldehydes with Ac ₂ O. <i>Journal of Catalysis</i> , 2003, 218, 227-233.	6.2	72
5	Effect of the exchangeable cations on the spectral properties of methylene blue in clay dispersions. <i>Journal of Colloid and Interface Science</i> , 2004, 274, 126-132.	9.4	51
6	Clay-Fulleropyrrolidine Nanocomposites. <i>Journal of the American Chemical Society</i> , 2006, 128, 6154-6163.	13.7	46
7	Characterization of systematically selected organo-montmorillonites for polymer nanocomposites. <i>Applied Clay Science</i> , 2011, 51, 438-444.	5.2	44
8	Evaluation of first-row transition metal oxides supported on clay minerals for catalytic growth of carbon nanostructures. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008, 152, 44-49.	3.5	36
9	Near-infrared spectroscopy as an effective tool for monitoring the conformation of alkylammonium surfactants in montmorillonite interlayers. <i>Vibrational Spectroscopy</i> , 2016, 84, 44-52.	2.2	36
10	Benefits of near-infrared spectroscopy for characterization of selected organo-montmorillonites. <i>Vibrational Spectroscopy</i> , 2011, 57, 8-8.	2.2	31
11	Degradation of surfactant-modified montmorillonites in HCl. <i>Materials Chemistry and Physics</i> , 2012, 134, 768-776.	4.0	24
12	Synthesis and characterization of low dimensional ZnS- and PbS-semiconductor particles on a montmorillonite template. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 14236.	2.8	18
13	Comparative study of alkylammonium- and alkylphosphonium-based analogues of organo-montmorillonites. <i>Applied Clay Science</i> , 2021, 200, 105894.	5.2	18
14	Unique photoactive nanocomposites based on rhodamine 6G/polymer/montmorillonite hybrid systems. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2013, 51, 1672-1679.	2.1	17
15	Thermal stability of tetrabutyl-phosphonium and -ammonium exchanged montmorillonite: Influence of acid treatment. <i>Applied Clay Science</i> , 2017, 138, 63-73.	5.2	16
16	Near-IR study of the impact of alkyl-ammonium and -phosphonium cations on the hydration of montmorillonite. <i>Journal of Molecular Structure</i> , 2022, 1256, 132568.	3.6	15
17	Near-infrared study of the interaction of pyridine with acid-treated montmorillonite. <i>Vibrational Spectroscopy</i> , 2015, 76, 22-30.	2.2	14
18	Preparation of antibacterial chlorhexidine/vermiculite and release study. <i>International Journal of Mineral Processing</i> , 2017, 159, 1-6.	2.6	14

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19	Montmorillonite modified with unconventional surfactants from the series of octylammonium-based cations: Structural characterization and hydration properties. <i>Applied Clay Science</i> , 2018, 158, 102-112.	5.2	13
20	Prediction of compatibility of organomodified clay with various polymers using rheological measurements. <i>Polymer Testing</i> , 2018, 69, 359-365.	4.8	13
21	Prebiotic synthesis at impact craters: the role of Fe-clays and iron meteorites. <i>Chemical Communications</i> , 2019, 55, 10563-10566.	4.1	13
22	Controlled Synthesis of Carbon-Encapsulated Copper Nanostructures by Using Smectite Clays as Nanotemplates. <i>Chemistry - A European Journal</i> , 2012, 18, 9305-9311.	3.3	10
23	Catalytic Properties of a Heated Ammonium-Saturated Dioctahedral Smectite. <i>Collection of Czechoslovak Chemical Communications</i> , 2000, 65, 1527-1536.	1.0	9
24	Direct observation of spin-injection in tyrosinate-functionalized single-wall carbon nanotubes. <i>Carbon</i> , 2014, 67, 424-433.	10.3	7
25	Properties of natural rubber composites with structurally different clay intercalable surfactants. <i>Journal of Polymer Research</i> , 2017, 24, 1.	2.4	7
26	Preparation, characterization and adsorption properties of tetraalkylphosphonium organobeidellites. <i>Applied Clay Science</i> , 2021, 204, 105989.	5.2	7
27	Stability of Atrazine-Smectite Intercalates: Density Functional Theory and Experimental Study. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 554.	2.0	7
28	(9,10-Dihydroxyoctadecyl)ammonium: A Structurally Unique Class of Clay Intercalable Surfactants. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 2841-2850.	2.0	5
29	XRD, SAXS, and PALS investigations of three different polymers reinforced with tetraoctylammonium exchanged montmorillonite. <i>International Journal of Polymer Analysis and Characterization</i> , 2016, 21, 524-536.	1.9	5
30	Formamide-Based Post-impact Thermal Prebiotic Synthesis in Simulated Craters: Intermediates, Products and Mechanism. <i>Frontiers in Astronomy and Space Sciences</i> , 2022, 9, .	2.8	2
31	Application of oxone immobilized on montmorillonite for an efficient oxidation of mannose thioglycoside. <i>Monatshefte für Chemie</i> , 2013, 144, 969-973.	1.8	1
32	Luminescence of Reichardt's dye in polyelectrolyte-modified saponite colloids. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 642, 128663.	4.7	1
33	Immobilisation of diuron herbicide employing smectites. <i>Materials Today Communications</i> , 2022, 31, 103252.	1.9	0