

Michal SlanÃ½

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

791
citations

567281

15
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

642
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly active Mg-Al hydrotalcite for efficient methylation of phenol with DMC based on soft colloidal templates. Journal of Chemical Technology and Biotechnology, 2022, 97, 79-86.	3.2	6
2	Influence of reservoir minerals and ethanol on catalytic aquathermolysis of heavy oil. Fuel, 2022, 307, 121871.	6.4	29
3	Enhanced aquathermolysis of heavy oil catalysed by bentonite supported Fe(III) complex in the presence of ethanol. Journal of Chemical Technology and Biotechnology, 2022, 97, 1128-1137.	3.2	10
4	Remediation of Cd and Cu contaminated water and soil using novel nanomaterials derived from sugar beet processing- and clay brick factory-solid wastes. Journal of Hazardous Materials, 2022, 428, 128205.	12.4	30
5	Lubricity and Rheological Properties of Highly Dispersed Graphite in Clay-Water-Based Drilling Fluids. Materials, 2022, 15, 1083.	2.9	17
6	Near-IR study of the impact of alkyl-ammonium and -phosphonium cations on the hydration of montmorillonite. Journal of Molecular Structure, 2022, 1256, 132568.	3.6	15
7	Thermal stability of the phases developed at high-pressure hydrothermal curing of class G cement with different pozzolanic and latent hydraulic additives. Journal of Thermal Analysis and Calorimetry, 2022, 147, 9891-9902.	3.6	3
8	Preparation and Swelling Inhibition of Mixed Metal Hydroxide to Bentonite Clay. Minerals (Basel), 2022, 12, 1075.	2.0	7
9	Herbal plants- and rice straw-derived biochars reduced metal mobilization in fishpond sediments and improved their potential as fertilizers. Science of the Total Environment, 2022, 826, 154043.	8.0	49
10	Ecotoxicological effects of per- and polyfluoroalkyl substances (PFAS) and of a new PFAS adsorbing organoclay to immobilize PFAS in soils on earthworms and plants. Journal of Hazardous Materials, 2022, 433, 128771.	12.4	14
11	Use of Betaine-Based Gel and Its Potential Application in Enhanced Oil Recovery. Gels, 2022, 8, 351.	4.5	8
12	Comparative study of alkylammonium- and alkylphosphonium-based analogues of organo-montmorillonites. Applied Clay Science, 2021, 200, 105894.	5.2	18
13	Fe/Mn- and P-modified drinking water treatment residuals reduced Cu and Pb phytoavailability and uptake in a mining soil. Journal of Hazardous Materials, 2021, 403, 123628.	12.4	88
14	Enhanced Removal of Sulfonated Lignite from Oil Wastewater with Multidimensional MgAl-LDH Nanoparticles. Nanomaterials, 2021, 11, 861.	4.1	30
15	Phase Composition of Silica Fume-Portland Cement Systems Formed under Hydrothermal Curing Evaluated by FTIR, XRD, and TGA. Materials, 2021, 14, 2786.	2.9	17
16	Acetylation Modification of Waste Polystyrene and Its Use as a Crude Oil Flow Improver. Polymers, 2021, 13, 2505.	4.5	14
17	Use of biochar to reduce mercury accumulation in Oryza sativa L: A trial for sustainable management of historically polluted farmlands. Environment International, 2021, 153, 106527.	10.0	61
18	Synthesis of Alkyl Aliphatic Hydrazine and Application in Crude Oil as Flow Improvers. Energies, 2021, 14, 4703.	3.1	5

#	ARTICLE	IF	CITATIONS
19	Synthesis of Mg-Al Hydrotalcite Clay with High Adsorption Capacity. <i>Materials</i> , 2021, 14, 7231.	2.9	14
20	Technical aspects of selected minerals transformation to LDH-containing materials: The structure, chemistry and affinity towards As(V). <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106792.	6.7	5
21	Conformation heterogeneity of alkylammonium surfactants self-assembled on montmorillonite: Effect of head-group structure and temperature. <i>Applied Surface Science</i> , 2020, 503, 144125.	6.1	25
22	The Inhibition Property and Mechanism of a Novel Low Molecular Weight Zwitterionic Copolymer for Improving Wellbore Stability. <i>Polymers</i> , 2020, 12, 708.	4.5	76
23	Synthesis, Property and Mechanism Analysis of a Novel Polyhydroxy Organic Amine Shale Hydration Inhibitor. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 128.	2.0	56
24	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
25	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