

# 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	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	Fe/Mn- and P-modified drinking water treatment residuals reduced Cu and Pb phytoavailability and uptake in a mining soil. <i>Journal of Hazardous Materials</i> , 2021, 403, 123628.	12.4	88
3	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
4	Use of biochar to reduce mercury accumulation in <i>Oryza sativa</i> L: A trial for sustainable management of historically polluted farmlands. <i>Environment International</i> , 2021, 153, 106527.	10.0	61
5	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
6	Herbal plants- and rice straw-derived biochars reduced metal mobilization in fishpond sediments and improved their potential as fertilizers. <i>Science of the Total Environment</i> , 2022, 826, 154043.	8.0	49
7	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
8	Enhanced Removal of Sulfonated Lignite from Oil Wastewater with Multidimensional MgAl-LDH Nanoparticles. <i>Nanomaterials</i> , 2021, 11, 861.	4.1	30
9	Remediation of Cd and Cu contaminated water and soil using novel nanomaterials derived from sugar beet processing- and clay brick factory-solid wastes. <i>Journal of Hazardous Materials</i> , 2022, 428, 128205.	12.4	30
10	Influence of reservoir minerals and ethanol on catalytic aquathermolysis of heavy oil. <i>Fuel</i> , 2022, 307, 121871.	6.4	29
11	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
12	Comparative study of alkylammonium- and alkylphosphonium-based analogues of organo-montmorillonites. <i>Applied Clay Science</i> , 2021, 200, 105894.	5.2	18
13	Phase Composition of Silica Fume-Portland Cement Systems Formed under Hydrothermal Curing Evaluated by FTIR, XRD, and TGA. <i>Materials</i> , 2021, 14, 2786.	2.9	17
14	Lubricity and Rheological Properties of Highly Dispersed Graphite in Clay-Water-Based Drilling Fluids. <i>Materials</i> , 2022, 15, 1083.	2.9	17
15	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
16	Acetylation Modification of Waste Polystyrene and Its Use as a Crude Oil Flow Improver. <i>Polymers</i> , 2021, 13, 2505.	4.5	14
17	Synthesis of Mg-Al Hydrotalcite Clay with High Adsorption Capacity. <i>Materials</i> , 2021, 14, 7231.	2.9	14
18	Ecotoxicological effects of per- and polyfluoroalkyl substances (PFAS) and of a new PFAS adsorbing organoclay to immobilize PFAS in soils on earthworms and plants. <i>Journal of Hazardous Materials</i> , 2022, 433, 128771.	12.4	14

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19	Enhanced aquathermolysis of heavy oil catalysed by bentonite supported <sc>Fe(III)</sc> complex in the present of ethanol. Journal of Chemical Technology and Biotechnology, 2022, 97, 1128-1137.	3.2	10
20	Use of Betaine-Based Gel and Its Potential Application in Enhanced Oil Recovery. Gels, 2022, 8, 351.	4.5	8
21	Preparation and Swelling Inhibition of Mixed Metal Hydroxide to Bentonite Clay. Minerals (Basel,) Tj ETQq1 1 0.784314 rgBT /Overloc 2.0 7		
22	Highly active <sc>Mg</sc>â€“<sc>Al</sc> hydrotalcite for efficient <sc>O</sc>â€“methylation of phenol with <sc>DMC</sc> based on soft colloidal templates. Journal of Chemical Technology and Biotechnology, 2022, 97, 79-86.	3.2	6
23	Synthesis of Alkyl Aliphatic Hydrazine and Application in Crude Oil as Flow Improvers. Energies, 2021, 14, 4703.	3.1	5
24	Technical aspects of selected minerals transformation to LDH-containing materials: The structure, chemistry and affinity towards As(V). Journal of Environmental Chemical Engineering, 2021, 9, 106792.	6.7	5
25	Thermal stability of the phases developed at high-pressure hydrothermal curing of class C cement with different pozzolanic and latent hydraulic additives. Journal of Thermal Analysis and Calorimetry, 2022, 147, 9891-9902.	3.6	3