

Michael Holmboe

List of Publications by Year in descending order

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papers

728
citations

687363

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713466

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docs citations

22
times ranked

745
citing authors

#	ARTICLE	IF	CITATIONS
1	Porosity investigation of compacted bentonite using XRD profile modeling. <i>Journal of Contaminant Hydrology</i> , 2012, 128, 19-32.	3.3	151
2	Molecular Dynamics Simulations of Water and Sodium Diffusion in Smectite Interlayer Nanopores as a Function of Pore Size and Temperature. <i>Journal of Physical Chemistry C</i> , 2014, 118, 1001-1013.	3.1	149
3	Ion adsorption and diffusion in smectite: Molecular, pore, and continuum scale views. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 177, 130-149.	3.9	97
4	Molecular Dynamics Simulations of Anion Exclusion in Clay Interlayer Nanopores. <i>Clays and Clay Minerals</i> , 2016, 64, 374-388.	1.3	61
5	Effects of $\hat{\text{I}}^3$ -irradiation on the stability of colloidal Na ⁺ -Montmorillonite dispersions. <i>Applied Clay Science</i> , 2009, 43, 86-90.	5.2	34
6	Effect of $\hat{\text{I}}^3$ -radiation on radionuclide retention in compacted bentonite. <i>Radiation Physics and Chemistry</i> , 2011, 80, 1371-1377.	2.8	29
7	Cohesive Vibrational and Structural Depiction of Intercalated Water in Montmorillonite. <i>ACS Earth and Space Chemistry</i> , 2018, 2, 38-47.	2.7	26
8	Influence of $\hat{\text{I}}^3$ -radiation on the reactivity of montmorillonite towards H ₂ O ₂ . <i>Radiation Physics and Chemistry</i> , 2012, 81, 190-194.	2.8	24
9	Atomistic simulations of cation hydration in sodium and calcium montmorillonite nanopores. <i>Journal of Chemical Physics</i> , 2017, 147, 084705.	3.0	22
10	Partitioning into Colloidal Structures of Fasted State Intestinal Fluid Studied by Molecular Dynamics Simulations. <i>Langmuir</i> , 2016, 32, 12732-12740.	3.5	19
11	Geochemical identification of potential DNA-hotspots and DNA-infrared fingerprints in lake sediments. <i>Applied Geochemistry</i> , 2020, 122, 104728.	3.0	19
12	Nanoscale Hydration in Layered Manganese Oxides. <i>Langmuir</i> , 2021, 37, 666-674.	3.5	16
13	Polyoxometalates as Effective Nano-inhibitors of Amyloid Aggregation of Pro-inflammatory S100A9 Protein Involved in Neurodegenerative Diseases. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 26721-26734.	8.0	15
14	Deconvolution of Smectite Hydration Isotherms. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 2490-2498.	2.7	13
15	Structure and Mobility of Lactose in Lactose/Sodium Montmorillonite Nanocomposites. <i>Langmuir</i> , 2016, 32, 13214-13225.	3.5	12
16	Colloid Diffusion in Compacted Bentonite: Microstructural Constraints. <i>Clays and Clay Minerals</i> , 2010, 58, 532-541.	1.3	10
17	Tracking mineral and geochemical characteristics of Holocene lake sediments: the case of Hotagen, west-central Sweden. <i>Journal of Soils and Sediments</i> , 2021, 21, 3150-3168.	3.0	9
18	Effects of the injection grout Silica sol on bentonite. <i>Physics and Chemistry of the Earth</i> , 2011, 36, 1580-1589.	2.9	8

#	ARTICLE	IF	CITATIONS
19	Residence times of nanoconfined CO ₂ in layered aluminosilicates. <i>Environmental Science: Nano</i> , 2019, 6, 146-151.	4.3	8
20	atom: A MATLAB PACKAGE FOR MANIPULATION OF MOLECULAR SYSTEMS. <i>Clays and Clay Minerals</i> , 2019, 67, 419-426.	1.3	4
21	Polyoxoniobates as molecular building blocks in thin films. <i>Dalton Transactions</i> , 2021, 50, 16030-16038.	3.3	2