Michael Holmboe

List of Publications by Year
in descending order

21	728	687363 13	713466 21
papers	citations	h-index	g-index

22	22	22	745
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nanoscale Hydration in Layered Manganese Oxides. Langmuir, 2021, 37, 666-674.	3.5	16
2	Polyoxometalates as Effective Nano-inhibitors of Amyloid Aggregation of Pro-inflammatory S100A9 Protein Involved in Neurodegenerative Diseases. ACS Applied Materials & Interfaces, 2021, 13, 26721-26734.	8.0	15
3	Tracking mineral and geochemical characteristics of Holocene lake sediments: the case of Hotagen, west-central Sweden. Journal of Soils and Sediments, 2021, 21, 3150-3168.	3.0	9
4	Polyoxoniobates as molecular building blocks in thin films. Dalton Transactions, 2021, 50, 16030-16038.	3.3	2
5	Geochemical identification of potential DNA-hotspots and DNA-infrared fingerprints in lake sediments. Applied Geochemistry, 2020, 122, 104728.	3.0	19
6	Deconvolution of Smectite Hydration Isotherms. ACS Earth and Space Chemistry, 2019, 3, 2490-2498.	2.7	13
7	Residence times of nanoconfined CO2 in layered aluminosilicates. Environmental Science: Nano, 2019, 6, 146-151.	4.3	8
8	atom: A MATLAB PACKAGE FOR MANIPULATION OF MOLECULAR SYSTEMS. Clays and Clay Minerals, 2019, 67, 419-426.	1.3	4
9	Cohesive Vibrational and Structural Depiction of Intercalated Water in Montmorillonite. ACS Earth and Space Chemistry, 2018, 2, 38-47.	2.7	26
10	Atomistic simulations of cation hydration in sodium and calcium montmorillonite nanopores. Journal of Chemical Physics, 2017, 147, 084705.	3.0	22
11	Partitioning into Colloidal Structures of Fasted State Intestinal Fluid Studied by Molecular Dynamics Simulations. Langmuir, 2016, 32, 12732-12740.	3.5	19
12	Structure and Mobility of Lactose in Lactose/Sodium Montmorillonite Nanocomposites. Langmuir, 2016, 32, 13214-13225.	3.5	12
13	Molecular Dynamics Simulations of Anion Exclusion in Clay Interlayer Nanopores. Clays and Clay Minerals, 2016, 64, 374-388.	1.3	61
14	Ion adsorption and diffusion in smectite: Molecular, pore, and continuum scale views. Geochimica Et Cosmochimica Acta, 2016, 177, 130-149.	3.9	97
15	Molecular Dynamics Simulations of Water and Sodium Diffusion in Smectite Interlayer Nanopores as a Function of Pore Size and Temperature. Journal of Physical Chemistry C, 2014, 118, 1001-1013.	3.1	149
16	Influence of Î³-radiation on the reactivity of montmorillonite towards H2O2. Radiation Physics and Chemistry, 2012, 81, 190-194.	2.8	24
17	Porosity investigation of compacted bentonite using XRD profile modeling. Journal of Contaminant Hydrology, 2012, 128, 19-32.	3.3	151
18	Effects of the injection grout Silica sol on bentonite. Physics and Chemistry of the Earth, 2011, 36, 1580-1589.	2.9	8

#	Article	IF	Citations
19	Effect of Î³-radiation on radionuclide retention in compacted bentonite. Radiation Physics and Chemistry, 2011, 80, 1371-1377.	2.8	29
20	Colloid Diffusion in Compacted Bentonite: Microstructural Constraints. Clays and Clay Minerals, 2010, 58, 532-541.	1.3	10
21	Effects of Î³-irradiation on the stability of colloidal Na+-Montmorillonite dispersions. Applied Clay Science, 2009, 43, 86-90.	5.2	34