Eini Heli Puhakka

List of Publications by Year
in descending order

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		1040056	940533
19	249	9	16
papers	citations	h-index	g-index

19	19	19	285
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Theoretical investigations on Ziegler-Natta catalysis: models for the interactions of the TiCl4 catalyst and the MgCl2 support. Surface Science, 1995, 334, 289-294.	1.9	37
2	Effect of layer charge on the crystalline swelling of Na⁺, K⁺ and Ca²⁺ montmorillonites: DFT and molecular dynamics studies. Clay Minerals, 2016, 51, 197-211.	0.6	36
3	Theoretical investigations on Ziegler-Natta catalysis: Alkylation of the TiCl4 catalyst. Journal of Molecular Catalysis A, 1997, 120, 143-147.	4.8	33
4	Using a low melting solvent mixture to extract value from wood biomass. Scientific Reports, 2016, 6, 32420.	3.3	26
5	Theoretical investigations on Ziegler-Natta catalysis: Coordination of the electron donors to titanium modified MgCl2 support. Journal of Molecular Catalysis A, 1997, 123, 171-178.	4.8	16
6	Sorption of Se species on mineral surfaces, part I: Batch sorption and multi-site modelling. Applied Geochemistry, 2018, 95, 147-157.	3.0	16
7	The sorption and diffusion of 133Ba in crushed and intact granitic rocks from the Olkiluoto and Grimsel in-situ test sites. Applied Geochemistry, 2018, 89, 138-149.	3.0	14
8	Multi-site surface complexation modelling of Se(IV) sorption on biotite. Chemical Geology, 2020, 533, 119433.	3.3	11
9	Molecular Layer Deposition Using Ring-Opening Reactions: Molecular Modeling of the Film Growth and the Effects of Hydrogen Peroxide. ACS Omega, 2018, 3, 7141-7149.	3.5	10
10	Sorption of selenium species onto phlogopite and calcite surfaces: DFT studies. Journal of Contaminant Hydrology, 2019, 227, 103553.	3.3	9
11	Molecular Modeling Approach on Fouling of the Plate Heat Exchanger: Titanium Hydroxyls, Silanols, and Sulphates on TiO2Surfaces. Heat Transfer Engineering, 2007, 28, 248-254.	1.9	7
12	Density Functional Theory Studies on the Formation of CaCO₃Depositions on Cristobalite, Diamond, and Titanium Carbide Surfaces. Heat Transfer Engineering, 2011, 32, 282-290.	1.9	7
13	Combining a molecular modelling approach with direct current and high power impulse magnetron sputtering to develop new TiO2 thin films for antifouling applications. Applied Surface Science, 2015, 333, 186-193.	6.1	7
14	Effect of potassium for cesium replacement in atomic level structure of potassium cobalt hexacyanoferrate(II). Radiochimica Acta, 2020, 108, 451-457.	1.2	5
15	Computational Fluid Dynamics Simulation of Fouling of Plate Heat Exchanger by Phosphate Calcium. Heat Transfer Engineering, 2022, 43, 1396-1405.	1.9	5
16	A modification of the electromigration device and modelling methods for diffusion and sorption studies of radionuclides in intact crystalline rocks. Journal of Contaminant Hydrology, 2020, 231, 103585.	3.3	4
17	Radium sorption on biotite; surface complexation modeling study. Applied Geochemistry, 2022, 140, 105289.	3.0	3
18	Organosilicon and Titanium Oxide Coatings for Mitigation of CaCO₃Depositions. Heat Transfer Engineering, 2015, 36, 721-730.	1.9	2

#	Article	IF	Citations
19	Molecular valence calculations for third row, main group elements (K-Kr). Computational and Theoretical Chemistry, 1995, 333, 79-85.	1.5	1