

Eini Heli Puhakka

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

249
citations

1040056

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h-index

940533

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all docs

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docs citations

19
times ranked

285
citing authors

#	ARTICLE	IF	CITATIONS
1	Computational Fluid Dynamics Simulation of Fouling of Plate Heat Exchanger by Phosphate Calcium. <i>Heat Transfer Engineering</i> , 2022, 43, 1396-1405.	1.9	5
2	Radium sorption on biotite; surface complexation modeling study. <i>Applied Geochemistry</i> , 2022, 140, 105289.	3.0	3
3	Effect of potassium for cesium replacement in atomic level structure of potassium cobalt hexacyanoferrate(II). <i>Radiochimica Acta</i> , 2020, 108, 451-457.	1.2	5
4	A modification of the electromigration device and modelling methods for diffusion and sorption studies of radionuclides in intact crystalline rocks. <i>Journal of Contaminant Hydrology</i> , 2020, 231, 103585.	3.3	4
5	Multi-site surface complexation modelling of Se(IV) sorption on biotite. <i>Chemical Geology</i> , 2020, 533, 119433.	3.3	11
6	Sorption of selenium species onto phlogopite and calcite surfaces: DFT studies. <i>Journal of Contaminant Hydrology</i> , 2019, 227, 103553.	3.3	9
7	The sorption and diffusion of ¹³³ Ba in crushed and intact granitic rocks from the Olkiluoto and Grimsel in-situ test sites. <i>Applied Geochemistry</i> , 2018, 89, 138-149.	3.0	14
8	Sorption of Se species on mineral surfaces, part I: Batch sorption and multi-site modelling. <i>Applied Geochemistry</i> , 2018, 95, 147-157.	3.0	16
9	Molecular Layer Deposition Using Ring-Opening Reactions: Molecular Modeling of the Film Growth and the Effects of Hydrogen Peroxide. <i>ACS Omega</i> , 2018, 3, 7141-7149.	3.5	10
10	Effect of layer charge on the crystalline swelling of Na ⁺ , K ⁺ and Ca ²⁺ montmorillonites: DFT and molecular dynamics studies. <i>Clay Minerals</i> , 2016, 51, 197-211.	0.6	36
11	Using a low melting solvent mixture to extract value from wood biomass. <i>Scientific Reports</i> , 2016, 6, 32420.	3.3	26
12	Organosilicon and Titanium Oxide Coatings for Mitigation of CaCO ₃ Depositions. <i>Heat Transfer Engineering</i> , 2015, 36, 721-730.	1.9	2
13	Combining a molecular modelling approach with direct current and high power impulse magnetron sputtering to develop new TiO ₂ thin films for antifouling applications. <i>Applied Surface Science</i> , 2015, 333, 186-193.	6.1	7
14	Density Functional Theory Studies on the Formation of CaCO ₃ Depositions on Cristobalite, Diamond, and Titanium Carbide Surfaces. <i>Heat Transfer Engineering</i> , 2011, 32, 282-290.	1.9	7
15	Molecular Modeling Approach on Fouling of the Plate Heat Exchanger: Titanium Hydroxyls, Silanols, and Sulphates on TiO ₂ Surfaces. <i>Heat Transfer Engineering</i> , 2007, 28, 248-254.	1.9	7
16	Theoretical investigations on Ziegler-Natta catalysis: Alkylation of the TiCl ₄ catalyst. <i>Journal of Molecular Catalysis A</i> , 1997, 120, 143-147.	4.8	33
17	Theoretical investigations on Ziegler-Natta catalysis: Coordination of the electron donors to titanium modified MgCl ₂ support. <i>Journal of Molecular Catalysis A</i> , 1997, 123, 171-178.	4.8	16
18	Molecular valence calculations for third row, main group elements (K-Kr). <i>Computational and Theoretical Chemistry</i> , 1995, 333, 79-85.	1.5	1

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19	Theoretical investigations on Ziegler-Natta catalysis: models for the interactions of the TiCl_4 catalyst and the MgCl_2 support. <i>Surface Science</i> , 1995, 334, 289-294.	1.9	37