

Jennifer Mills

List of Publications by Year in descending order

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29
papers

594
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623734

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Surface potentials of (001), (012), (113) hematite (α -Fe ₂ O ₃) crystal faces in aqueous solution. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 13911.	2.8	79
2	Molecular Dynamics Study of Fe(II) Adsorption, Electron Exchange, and Mobility at Goethite (α -FeOOH) Surfaces. <i>Journal of Physical Chemistry C</i> , 2015, 119, 3111-3123.	3.1	62
3	Mechanism of Ferric Oxalate Photolysis. <i>ACS Earth and Space Chemistry</i> , 2017, 1, 270-276.	2.7	59
4	Geochemical evidence for cryptic sulfur cycling in salt marsh sediments. <i>Earth and Planetary Science Letters</i> , 2016, 453, 23-32.	4.4	42
5	The Sedimentary Carbon-Sulfur-Iron Interplay – A Lesson From East Anglian Salt Marsh Sediments. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	31
6	Computational Molecular Simulation of the Oxidative Adsorption of Ferrous Iron at the Hematite (001)–Water Interface. <i>Journal of Physical Chemistry C</i> , 2015, 119, 9242-9252.	3.1	30
7	Temperature-dependence of the dielectric relaxation of water using non-polarizable water models. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 1011-1018.	2.8	29
8	Electron Mobility and Trapping in Ferrihydrite Nanoparticles. <i>ACS Earth and Space Chemistry</i> , 2017, 1, 216-226.	2.7	21
9	Comparison of the Monte Carlo estimation of surface electrostatic potential at the hematite (001)/electrolyte interface with the experiment. <i>Applied Surface Science</i> , 2007, 253, 7604-7612.	6.1	20
10	Stochastic Simulation of Isotopic Exchange Mechanisms for Fe(II)-Catalyzed Recrystallization of Goethite. <i>Environmental Science & Technology</i> , 2017, 51, 7552-7559.	10.0	20
11	Proton Dynamics on Goethite Nanoparticles and Coupling to Electron Transport. <i>Journal of Chemical Theory and Computation</i> , 2015, 11, 1715-1724.	5.3	19
12	Energetics and the Role of Defects in Fe(II)-Catalyzed Goethite Recrystallization from Molecular Simulations. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 262-272.	2.7	18
13	Blood Serum Calorimetry Indicates the Chemotherapeutic Efficacy in Lung Cancer Treatment. <i>Scientific Reports</i> , 2017, 7, 16796.	3.3	17
14	Point of zero potential of single-crystal electrode/inert electrolyte interface. <i>Journal of Colloid and Interface Science</i> , 2012, 370, 139-143.	9.4	15
15	Creek Dynamics Determine Pond Subsurface Geochemical Heterogeneity in East Anglian (UK) Salt Marshes. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	14
16	The Production and Fate of Volatile Organosulfur Compounds in Sulfidic and Ferruginous Sediment. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 3390-3402.	3.0	14
17	Inhibition of Amyloid β -Induced Lipid Membrane Permeation and Amyloid β Aggregation by K162. <i>ACS Chemical Neuroscience</i> , 2021, 12, 531-541.	3.5	14
18	Nonlinear response of the surface electrostatic potential formed at metal oxide/electrolyte interfaces. A Monte Carlo simulation study. <i>Journal of Colloid and Interface Science</i> , 2010, 341, 143-152.	9.4	13

#	ARTICLE	IF	CITATIONS
19	Unseeded, spontaneous nucleation of spherulitic magnesium calcite. <i>Journal of Colloid and Interface Science</i> , 2021, 593, 359-369.	9.4	13
20	Probing size-dependent electrokinetics of hematite aggregates. <i>Journal of Colloid and Interface Science</i> , 2017, 488, 218-224.	9.4	12
21	Electrophoretic and potentiometric signatures of multistage CaCO ₃ nucleation. <i>Journal of Colloid and Interface Science</i> , 2019, 544, 249-256.	9.4	11
22	Surface Charge Effects on Fe(II) Sorption and Oxidation at (110) Goethite Surfaces. <i>Journal of Physical Chemistry C</i> , 2018, 122, 10059-10066.	3.1	10
23	Long-Range Interactions Restrict Water Transport in Pyrophyllite Interlayers. <i>Scientific Reports</i> , 2016, 6, 25278.	3.3	8
24	Greenhouse Gas Production and Transport in Desert Soils of the Southwestern United States. <i>Global Biogeochemical Cycles</i> , 2018, 32, 1703-1717.	4.9	7
25	Interfacial Water Screens the Protein-Induced Transmembrane Voltage. <i>Journal of Physical Chemistry B</i> , 2015, 119, 1474-1482.	2.6	6
26	Lateral water structure connects metal oxide nanoparticle faces. <i>Journal of Materials Research</i> , 2019, 34, 456-464.	2.6	4
27	Electrochemical Perspective on Hematite-Malonate Interactions. <i>Colloids and Interfaces</i> , 2021, 5, 47.	2.1	3
28	The Steady March toward Biomimetic Nanoelectronics. <i>ACS Nano</i> , 2021, 15, 7844-7847.	14.6	2
29	Polytypism in semi-disordered lizardite and amesite by low-dose HAADF-STEM. <i>American Mineralogist</i> , 2022, 107, 221-232.	1.9	1