

Sören Dobberschütz

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

293
citations

933447

10
h-index

888059

17
g-index

24
all docs

24
docs citations

24
times ranked

452
citing authors

#	ARTICLE	IF	CITATIONS
1	First-Principles Prediction of Surface Wetting. <i>Langmuir</i> , 2020, 36, 12451-12459.	3.5	15
2	Mechanistic insight into biopolymer induced iron oxide mineralization through quantification of molecular bonding. <i>Nanoscale Advances</i> , 2020, 2, 3323-3333.	4.6	10
3	Comparison of atomic force microscopy and zeta potential derived surface charge density. <i>Europhysics Letters</i> , 2020, 130, 36001.	2.0	3
4	Numerical simulations of NMR relaxation in chalk using local Robin boundary conditions. <i>Journal of Magnetic Resonance</i> , 2019, 308, 106597.	2.1	2
5	The mechanisms of crystal growth inhibition by organic and inorganic inhibitors. <i>Nature Communications</i> , 2018, 9, 1578.	12.8	57
6	Applications of periodic unfolding on manifolds. <i>Applicable Analysis</i> , 2018, 97, 55-68.	1.3	0
7	Salinity-Dependent Adhesion Response Properties of Aluminosilicate (K-Feldspar) Surfaces. <i>Energy & Fuels</i> , 2017, 31, 4670-4680.	5.1	25
8	Calcite Wettability in the Presence of Dissolved Mg^{2+} and SO_4^{2-} . <i>Energy & Fuels</i> , 2017, 31, 1005-1014.	5.1	22
9	Controlling biomineralisation with cations. <i>Nanoscale</i> , 2017, 9, 12925-12933.	5.6	7
10	Calcite Growth Kinetics: Dependence on Saturation Index, $Ca^{2+}:CO_3^{2-}$ Activity Ratio, and Surface Atomic Structure. <i>Crystal Growth and Design</i> , 2016, 16, 3602-3612.	3.0	30
11	A Microkinetic Model of Calcite Step Growth. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11086-11090.	13.8	24
12	A Microkinetic Model of Calcite Step Growth. <i>Angewandte Chemie</i> , 2016, 128, 11252-11256.	2.0	18
13	Could Atomic-Force Microscopy Force Mapping Be a Fast Alternative to Core-Plug Tests for Optimizing Injection-Water Salinity for Enhanced Oil Recovery in Sandstone?. <i>SPE Journal</i> , 2016, 21, 0720-0729.	3.1	17
14	Homogenization of a diffusion-reaction system with surface exchange and evolving hypersurface. <i>Mathematical Methods in the Applied Sciences</i> , 2015, 38, 559-579.	2.3	5
15	Effective Behavior of a Free Fluid in Contact with a Flow in a Curved Porous Medium. <i>SIAM Journal on Applied Mathematics</i> , 2015, 75, 953-977.	1.8	6
16	Specific ion effects on the hydrophobic interaction of benzene self-assembled monolayers. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 21432-21441.	2.8	7
17	The construction of periodic unfolding operators on some compact Riemannian manifolds. <i>Advances in Pure and Applied Mathematics</i> , 2014, 5, .	0.4	2
18	A Fast Alternative to Core Plug Tests for Optimising Injection Water Salinity for EOR. , 2014, , .		5

#	ARTICLE	IF	CITATIONS
19	Adaptive center determination for effective suppression of ring artifacts in tomography images. Applied Physics Letters, 2014, 105, .	3.3	29
20	Stokesâ€Darcy coupling for periodically curved interfaces. Comptes Rendus - Mecanique, 2014, 342, 73-78.	2.1	4
21	A periodic unfolding operator on certain compact Riemannian manifolds. Comptes Rendus Mathematique, 2012, 350, 1027-1030.	0.3	2
22	A transformation approach for the derivation of boundary conditions between a curved porous medium and a free fluid. Comptes Rendus - Mecanique, 2010, 338, 71-77.	2.1	2