

# 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	The mechanisms of crystal growth inhibition by organic and inorganic inhibitors. Nature Communications, 2018, 9, 1578.	12.8	57
2	Calcite Growth Kinetics: Dependence on Saturation Index, $\text{Ca}^{2+}:\text{CO}_3^{2-}$ Activity Ratio, and Surface Atomic Structure. Crystal Growth and Design, 2016, 16, 3602-3612.	3.0	30
3	Adaptive center determination for effective suppression of ring artifacts in tomography images. Applied Physics Letters, 2014, 105, .	3.3	29
4	Salinity-Dependent Adhesion Response Properties of Aluminosilicate (K-Feldspar) Surfaces. Energy & Fuels, 2017, 31, 4670-4680.	5.1	25
5	A Microkinetic Model of Calcite Step Growth. Angewandte Chemie - International Edition, 2016, 55, 11086-11090.	13.8	24
6	Calcite Wettability in the Presence of Dissolved $\text{Mg}^{2+}$ and $\text{SO}_4^{2-}$ . Energy & Fuels, 2017, 31, 1005-1014.	5.1	22
7	A Microkinetic Model of Calcite Step Growth. Angewandte Chemie, 2016, 128, 11252-11256.	2.0	18
8	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?. SPE Journal, 2016, 21, 0720-0729.	3.1	17
9	First-Principles Prediction of Surface Wetting. Langmuir, 2020, 36, 12451-12459.	3.5	15
10	Mechanistic insight into biopolymer induced iron oxide mineralization through quantification of molecular bonding. Nanoscale Advances, 2020, 2, 3323-3333.	4.6	10
11	Specific ion effects on the hydrophobic interaction of benzene self-assembled monolayers. Physical Chemistry Chemical Physics, 2015, 17, 21432-21441.	2.8	7
12	Controlling biomineralisation with cations. Nanoscale, 2017, 9, 12925-12933.	5.6	7
13	Effective Behavior of a Free Fluid in Contact with a Flow in a Curved Porous Medium. SIAM Journal on Applied Mathematics, 2015, 75, 953-977.	1.8	6
14	A Fast Alternative to Core Plug Tests for Optimising Injection Water Salinity for EOR. , 2014, , .		5
15	Homogenization of a diffusion-reaction system with surface exchange and evolving hypersurface. Mathematical Methods in the Applied Sciences, 2015, 38, 559-579.	2.3	5
16	Stokes-Darcy coupling for periodically curved interfaces. Comptes Rendus - Mecanique, 2014, 342, 73-78.	2.1	4
17	Comparison of atomic force microscopy and zeta potential derived surface charge density. Europhysics Letters, 2020, 130, 36001.	2.0	3
18	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

#	ARTICLE	IF	CITATIONS
19	A periodic unfolding operator on certain compact Riemannian manifolds. Comptes Rendus Mathematique, 2012, 350, 1027-1030.	0.3	2
20	The construction of periodic unfolding operators on some compact Riemannian manifolds. Advances in Pure and Applied Mathematics, 2014, 5, .	0.4	2
21	Numerical simulations of NMR relaxation in chalk using local Robin boundary conditions. Journal of Magnetic Resonance, 2019, 308, 106597.	2.1	2
22	Applications of periodic unfolding on manifolds. Applicable Analysis, 2018, 97, 55-68.	1.3	0