

Dag Chun Standnes

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

870
citations

623734

14
h-index

713466

21
g-index

22
all docs

22
docs citations

22
times ranked

595
citing authors

#	ARTICLE	IF	CITATIONS
1	Derivation of the Conventional and a Generalized Form of Darcy's Law from the Langevin Equation. <i>Transport in Porous Media</i> , 2022, 141, 1-15.	2.6	7
2	A phenomenological description of the transient single-phase pore velocity period using the resistance force-velocity relationship. <i>Advances in Geo-Energy Research</i> , 2022, 6, 104-110.	6.0	1
3	Dissipation Mechanisms for Fluids and Objects in Relative Motion Described by the Navier-Stokes Equation. <i>ACS Omega</i> , 2021, 6, 18598-18609.	3.5	4
4	A Thermodynamic Analysis of the Impact of Temperature on the Capillary Pressure in Porous Media. <i>Water Resources Research</i> , 2021, 57, e2021WR029887.	4.2	6
5	Interpretation of 1-D Counter-Current Spontaneous Imbibition Processes Using Microscopic Diffusion Theory and a Modified Buckley-Leverett Approach. <i>Energy & Fuels</i> , 2020, 34, 5868-5883.	5.1	7
6	Cocurrent Spontaneous Imbibition In Porous Media With the Dynamics of Viscous Coupling and Capillary Backpressure. <i>SPE Journal</i> , 2019, 24, 158-177.	3.1	32
7	Co-Current Spontaneous Imbibition in Porous Media with the Dynamics of Viscous Coupling and Capillary Back Pressure. , 2018, , .		5
8	Implications of Molecular Thermal Fluctuations on Fluid Flow in Porous Media and Its Relevance to Absolute Permeability. <i>Energy & Fuels</i> , 2018, 32, 8024-8039.	5.1	8
9	A Novel Relative Permeability Model Based on Mixture Theory Approach Accounting for Solid-Fluid and Fluid-Fluid Interactions. <i>Transport in Porous Media</i> , 2017, 119, 707-738.	2.6	32
10	Analysis of the Impact of Fluid Viscosities on the Rate of Countercurrent Spontaneous Imbibition. <i>Energy & Fuels</i> , 2017, 31, 6928-6940.	5.1	34
11	Literature review of implemented polymer field projects. <i>Journal of Petroleum Science and Engineering</i> , 2014, 122, 761-775.	4.2	189
12	Index for Characterizing Wettability of Reservoir Rocks Based on Spontaneous Imbibition Recovery Data. <i>Energy & Fuels</i> , 2013, 27, 7360-7368.	5.1	29
13	An analytical model for spontaneous imbibition in fractal porous media including gravity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 414, 228-233.	4.7	252
14	Study on Non-equilibrium Effects during Spontaneous Imbibition. <i>Energy & Fuels</i> , 2011, 25, 3053-3059.	5.1	21
15	An Analytic Solution for the Frontal Flow Period in 1D Counter-Current Spontaneous Imbibition into Fractured Porous Media Including Gravity and Wettability Effects. <i>Transport in Porous Media</i> , 2011, 89, 49-62.	2.6	54
16	A single-parameter fit correlation for estimation of oil recovery from fractured water-wet reservoirs. <i>Journal of Petroleum Science and Engineering</i> , 2010, 71, 19-22.	4.2	16
17	Scaling spontaneous imbibition of water data accounting for fluid viscosities. <i>Journal of Petroleum Science and Engineering</i> , 2010, 73, 214-219.	4.2	35
18	Scaling Group for Spontaneous Imbibition Including Gravity. <i>Energy & Fuels</i> , 2010, 24, 2980-2984.	5.1	24

#	ARTICLE	IF	CITATIONS
19	Estimation of Imbibition Capillary Pressure Curves from Spontaneous Imbibition Data. Energy & Fuels, 2010, 24, 1081-1087.	5.1	9
20	Calculation of Viscosity Scaling Groups for Spontaneous Imbibition of Water Using Average Diffusivity Coefficients. Energy & Fuels, 2009, 23, 2149-2156.	5.1	26
21	Spontaneous imbibition of water into cylindrical cores with high aspect ratio: Numerical and experimental results. Journal of Petroleum Science and Engineering, 2006, 50, 151-160.	4.2	21
22	Experimental Study of the Impact of Boundary Conditions on Oil Recovery by Co-Current and Counter-Current Spontaneous Imbibition. Energy & Fuels, 2004, 18, 271-282.	5.1	58