

Dimitrios Avraam

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

1,305
citations

623188

14
h-index

940134

16
g-index

17
all docs

17
docs citations

17
times ranked

1207
citing authors

#	ARTICLE	IF	CITATIONS
1	Flow regimes and relative permeabilities during steady-state two-phase flow in porous media. <i>Journal of Fluid Mechanics</i> , 1995, 293, 207-236.	1.4	281
2	Comparative study of Ni, Co, Cu supported on γ -alumina catalysts for hydrogen production via the glycerol steam reforming reaction. <i>Fuel Processing Technology</i> , 2016, 152, 156-175.	3.7	184
3	Syngas production via the biogas dry reforming reaction over nickel supported on modified with CeO ₂ and/or La ₂ O ₃ alumina catalysts. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 31, 164-183.	2.1	167
4	Generalized relative permeability coefficients during steady-state two-phase flow in porous media, and correlation with the flow mechanisms. <i>Transport in Porous Media</i> , 1995, 20, 135-168.	1.2	106
5	Flow Mechanisms, Relative Permeabilities, and Coupling Effects in Steady-State Two-Phase Flow through Porous Media. The Case of Strong Wettability. <i>Industrial & Engineering Chemistry Research</i> , 1999, 38, 778-786.	1.8	100
6	On the Role of the Viscosity Ratio during Low-Capillary-Number Forced Imbibition in Porous Media. <i>Journal of Colloid and Interface Science</i> , 1994, 165, 386-401.	5.0	97
7	An experimental and theoretical approach for the biogas steam reforming reaction. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 9818-9827.	3.8	77
8	Transient and steady-state relative permeabilities from two-phase flow experiments in planar pore networks. <i>Advances in Water Resources</i> , 2007, 30, 1981-1992.	1.7	58
9	Investigation of Thin Liquid Films of Small Diameters and High Capillary Pressures by a Miniaturized Cell. <i>Journal of Colloid and Interface Science</i> , 1995, 175, 68-76.	5.0	54
10	Steady-state two-phase flow through planar and nonplanar model porous media. <i>Transport in Porous Media</i> , 1994, 16, 75-101.	1.2	53
11	HdPro: a mathematical model of trickle-bed reactors for the catalytic hydroprocessing of oil feedstocks. <i>Catalysis Today</i> , 2003, 79-80, 275-283.	2.2	40
12	The Combined Effect of the Viscosity Ratio and the Wettability during Forced Imbibition through Nonplanar Porous Media. <i>Journal of Colloid and Interface Science</i> , 1997, 189, 27-36.	5.0	31
13	Title is missing!. <i>Journal of Materials Science</i> , 2002, 37, 353-363.	1.7	19
14	Steady-state two-phase relative permeability functions of porous media: A revisit. <i>International Journal of Multiphase Flow</i> , 2015, 73, 34-42.	1.6	17
15	Dynamics of surfactant-enhanced oil mobilization and solubilization in porous media: Experiments and numerical modeling. <i>International Journal of Multiphase Flow</i> , 2013, 55, 11-23.	1.6	15
16	Synthesis and Mathematical Modelling of the Preparation Process of Nickel-Alumina Catalysts with Egg-Shell Structures for Syngas Production via Reforming of Clean Model Biogas. <i>Catalysts</i> , 2022, 12, 274.	1.6	6
17	Use of history matching for the estimation of the relative permeability functions of single fractures for two-phase immiscible displacement processes including non-Newtonian NAPLs. <i>Developments in Water Science</i> , 2002, 47, 327-334.	0.1	0