

Dandina N Rao

List of Publications by Year in descending order

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31
papers

1,176
citations

623734

14
h-index

610901

24
g-index

31
all docs

31
docs citations

31
times ranked

671
citing authors

#	ARTICLE	IF	CITATIONS
1	A Single-Well Gas-Assisted Gravity Drainage Enhanced Oil Recovery Process for U.S. Deepwater Gulf of Mexico Operations. <i>Energies</i> , 2021, 14, 1743.	3.1	3
2	Potential application of the CO ₂ -assisted gravity drainage process in a mature oil field: insights from reservoir-scale EOR evaluation. <i>International Journal of Oil, Gas and Coal Technology</i> , 2020, 25, 19.	0.2	3
3	Gas and Downhole Water Sink-Assisted Gravity Drainage GDWS-AGD EOR Process: Field-Scale Evaluation and Recovery Optimization. , 2018, , .		7
4	Gas-Assisted Gravity Drainage GAGD Process for Enhanced Oil Recovery: A Comprehensive Review and Field Applications. , 2017, , .		0
5	Optimization of Gas Assisted Gravity Drainage (GAGD) Process in a Heterogeneous Sandstone Reservoir: Field-Scale Study. , 2015, , .		3
6	Estimation of Near-Miscibility Conditions Based on Gas-Oil Interfacial Tension Calculations. , 2015, , .		2
7	Comparative Evaluation of a New Gas/Oil Miscibility-Determination Technique. <i>Journal of Canadian Petroleum Technology</i> , 2011, 50, 71-81.	2.3	37
8	Experimental Determination of Minimum Miscibility Pressure (MMP) by Gas/Oil IFT Measurements for a Gas Injection EOR Project. , 2010, , .		19
9	Line-Tension-Based Modification of Young's Equation for Rock/Oil/Brine Systems. <i>SPE Reservoir Evaluation and Engineering</i> , 2009, 12, 702-712.	1.8	10
10	Compositional Dependence of Wetting and Contact Angles in Solid-Liquid-Liquid Systems under Realistic Environments. <i>Canadian Journal of Chemical Engineering</i> , 2008, 84, 44-51.	1.7	12
11	Measurement of Surfactant-Induced Interfacial Interactions at Reservoir Conditions. <i>SPE Reservoir Evaluation and Engineering</i> , 2008, 11, 83-94.	1.8	29
12	Development of a model for thin-film stability and spreading in solid-liquid-liquid systems. <i>Journal of Adhesion Science and Technology</i> , 2007, 21, 243-265.	2.6	4
13	Comments on "An analysis of the vanishing interfacial tension technique for determination of minimum miscibility pressure" by F.M. Orr and K. Jessen [<i>Fluid Phase Equilib.</i> 255 (2007) 99-109]. <i>Fluid Phase Equilibria</i> , 2007, 259, 235-237.	2.5	1
14	Authors' response to the comments on "A new mechanistic Parachor model to predict dynamic interfacial tension and miscibility in multicomponent hydrocarbon systems" by F.M. Orr and K. Jessen. <i>Journal of Colloid and Interface Science</i> , 2007, 307, 559-562.	9.4	6
15	Miscibility Determination from Gas-Oil Interfacial Tension and P&R Equation of State. <i>Canadian Journal of Chemical Engineering</i> , 2007, 85, 302-312.	1.7	14
16	Beneficial effects of wettability altering surfactants in oil-wet fractured reservoirs. <i>Journal of Petroleum Science and Engineering</i> , 2006, 52, 261-274.	4.2	67
17	Solubility, miscibility and their relation to interfacial tension in ternary liquid systems. <i>Fluid Phase Equilibria</i> , 2006, 249, 82-91.	2.5	31
18	A new mechanistic Parachor model to predict dynamic interfacial tension and miscibility in multicomponent hydrocarbon systems. <i>Journal of Colloid and Interface Science</i> , 2006, 299, 321-331.	9.4	56

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19	The multiple roles of interfacial tension in fluid phase equilibria and fluid–solid interactions. <i>Journal of Adhesion Science and Technology</i> , 2006, 20, 125-142.	2.6	6
20	Interfacial Behaviour of Complex Hydrocarbon Fluids at Elevated Pressures and Temperatures. <i>Canadian Journal of Chemical Engineering</i> , 2006, 84, 22-32.	1.7	31
21	Experimental investigation of miscible and immiscible Water-Alternating-Gas (WAG) process performance. <i>Journal of Petroleum Science and Engineering</i> , 2005, 48, 1-20.	4.2	192
22	Compositional effects of fluids on spreading, adhesion and wettability in porous media. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004, 241, 335-342.	4.7	90
23	Multiphase flow and wettability effects of surfactants in porous media. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004, 241, 313-322.	4.7	52
24	Application of the parachor model to the prediction of miscibility in multi-component hydrocarbon systems. <i>Journal of Physics Condensed Matter</i> , 2004, 16, S2177-S2186.	1.8	10
25	Solubility, Miscibility and their Relation to Interfacial Tension for Application in Reservoir Gas-Oil Systems. , 2004, , .		2
26	Application of a New Mechanistic Parachor Model to Predict Dynamic Gas-Oil Miscibility in Reservoir Crude Oil-Solvent Systems. , 2004, , .		8
27	Determination of gas–oil miscibility conditions by interfacial tension measurements. <i>Journal of Colloid and Interface Science</i> , 2003, 262, 474-482.	9.4	106
28	Application of the dual-drop dual-crystal contact angle technique to characterize heavy oil reservoir wettability. <i>Journal of Adhesion Science and Technology</i> , 2002, 16, 581-598.	2.6	9
29	Application of the new vanishing interfacial tension technique to evaluate miscibility conditions for the Terra Nova Offshore Project. <i>Journal of Petroleum Science and Engineering</i> , 2002, 35, 247-262.	4.2	115
30	FLUID–FLUID AND SOLID–FLUID INTERFACIAL INTERACTIONS IN PETROLEUM RESERVOIRS. <i>Petroleum Science and Technology</i> , 2001, 19, 157-188.	1.5	19
31	A new technique of vanishing interfacial tension for miscibility determination. <i>Fluid Phase Equilibria</i> , 1997, 139, 311-324.	2.5	232