

Kyriakos D Papadopoulos

List of Publications by Year in descending order

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36
papers

601
citations

759233

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37
all docs

37
docs citations

37
times ranked

556
citing authors

#	ARTICLE	IF	CITATIONS
1	A slotted plate device for measuring static yield stress. <i>Journal of Rheology</i> , 2001, 45, 1105-1122.	2.6	85
2	Marine Oil Fate: Knowledge Gaps, Basic Research, and Development Needs; A Perspective Based on the Deepwater Horizon Spill. <i>Environmental Engineering Science</i> , 2011, 28, 87-93.	1.6	80
3	Effects of Surfactants on Water Transport in W1/O/W2 Emulsions. <i>Langmuir</i> , 2000, 16, 7612-7617.	3.5	57
4	Internal Coalescence as a Mechanism of Instability in Water-in-Oil-in-Water Double-Emulsion Globules. <i>Langmuir</i> , 2003, 19, 244-249.	3.5	57
5	Acid-Neutralizing of Marine Cylinder Lubricants: Effects of Nonionic Surfactants. <i>Industrial & Engineering Chemistry Research</i> , 2000, 39, 3926-3931.	3.7	23
6	Degradation of Macondo 252 oil by endophytic <i>Pseudomonas putida</i> . <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 643-648.	6.7	22
7	Electrokinetic Movement of Settled Spherical Particles in Fine Capillaries. <i>Environmental Science & Technology</i> , 1996, 30, 1176-1179.	10.0	20
8	Visualization test for neutralization of acids by marine cylinder lubricants. <i>AIChE Journal</i> , 1999, 45, 2011-2017.	3.6	20
9	Acid-neutralizing of marine cylinder lubricants: Measurements and effects of dispersants. <i>AIChE Journal</i> , 2000, 46, 1471-1477.	3.6	19
10	Acid Neutralization by Marine Cylinder Lubricants Inside a Heating Capillary: Strong/Weak-Stick Collision Mechanisms. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 5619-5627.	3.7	19
11	A method for measuring bacterial chemotaxis parameters in a microcapillary. , 2000, 51, 120-125.		18
12	Electrokinetic movement of <i>Escherichia coli</i> in capillaries. <i>Environmental Microbiology</i> , 1999, 1, 99-102.	3.8	17
13	Bacterial motility, collisions, and aggregation in a 3-1/4m-diameter capillary. , 1997, 53, 238-241.		14
14	Deposition of Oil-in-Water Emulsions in Sand Beds in the Presence of Cetyltrimethylammonium Bromide. <i>Environmental Science & Technology</i> , 1997, 31, 1040-1045.	10.0	12
15	Ostwald ripening: a decisive cause of cylinder corrosive wear. <i>Tribology Letters</i> , 2007, 27, 21-24.	2.6	12
16	Optical Microscopy inside a Heating Capillary. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 1199-1203.	3.7	11
17	Temperature and acid droplet size effects in acid neutralization of marine cylinder lubricants. <i>Tribology Letters</i> , 2006, 22, 221-225.	2.6	11
18	Visualization and quantification of two-phase flow in transparent miniature packed beds. <i>Physical Review E</i> , 2012, 86, 046313.	2.1	11

#	ARTICLE	IF	CITATIONS
19	Dissolution Kinetics of [Hmim][BF ₄] Ionic Liquid Droplets in 1-Pentanol. Journal of Physical Chemistry C, 2009, 113, 16458-16463.	3.1	10
20	Vertically-Oriented-Capillary Video-Microscopy: Drops Levitated by a (Reacting) Fluid. Industrial & Engineering Chemistry Research, 2011, 50, 14142-14147.	3.7	9
21	A method for measuring bacterial chemotaxis parameters in a microcapillary. Biotechnology and Bioengineering, 1996, 51, 120-125.	3.3	9
22	Filamentous Escherichia coli cells swimming in tapered microcapillaries. Research in Microbiology, 2014, 165, 166-174.	2.1	8
23	Neutralization Mechanism of Acetic Acid by Overbased Colloidal Nanoparticles. Tribology Letters, 2016, 64, 1.	2.6	8
24	Direct visualization of oil degradation and biofilm formation for the screening of crude oil-degrading bacteria. Bioremediation Journal, 2020, 24, 60-70.	2.0	8
25	Formation of Colloidal Shells on Acidic Droplets Undergoing Neutralization in Marine Diesel Engine Cylinder Oils. Tribology Letters, 2013, 51, 85-92.	2.6	7
26	Neutralization of acetic acid by automobile motor oil. Tribology International, 2016, 98, 94-99.	5.9	6
27	Mobilization of n-hexadecane in porous media using food grade amphiphiles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 558, 123-129.	4.7	6
28	Mobilization of Crude Oil in Porous Media With Oil-Soluble Surfactant Delivered by Hydrosoluble Micelles. Journal of Energy Resources Technology, Transactions of the ASME, 2019, 141, .	2.3	5
29	Ethanol's effects on acid neutralization by motor oils. Tribology International, 2019, 132, 24-29.	5.9	5
30	Yield Stress Measurement of Silicon Nitride Suspensions. Canadian Journal of Chemical Engineering, 2002, 80, 1175-1180.	1.7	4
31	Temperature and Salting out Effects on Nicotine Dissolution Kinetics in Saline Solutions. ACS Omega, 2020, 5, 7738-7744.	3.5	4
32	Video microscopic high-temperature measurement of surface tension. Journal of Colloid and Interface Science, 2013, 395, 249-255.	9.4	3
33	DISSIMILAR COLLOIDAL DOUBLE-LAYER INTERACTIONS: A NEW APPROACH. Chemical Engineering Communications, 1985, 34, 335-348.	2.6	0
34	AFM of Iron Oxide Particles Attachment on Mica. Journal of Dispersion Science and Technology, 2005, 25, 861-868.	2.4	0
35	Time-dependence of asphaltene dispersion by marine cylinder lubricants (MCL) surfactants. Journal of Dispersion Science and Technology, 2022, 43, 61-69.	2.4	0
36	Visualization of Stability and Transport in Double Emulsions. , 0, , 45-65.		0