Peter Dowding

List of Publications by Year
in descending order

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Version: 2024-02-01

43 papers	1,256 citations	430874 18 h-index	361022 35 g-index
43 all docs	43 docs citations	43 times ranked	1646 citing authors

#	Article	IF	Citations
1	Suspension polymerisation to form polymer beads. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2000, 161, 259-269.	4.7	153
2	Oil Coreâ"Polymer Shell Microcapsules Prepared by Internal Phase Separation from Emulsion Droplets. I. Characterization and Release Rates for Microcapsules with Polystyrene Shells. Langmuir, 2004, 20, 11374-11379.	3.5	134
3	Action of hydrotropes and alkyl-hydrotropes. Soft Matter, 2011, 7, 5917.	2.7	93
4	Oil Core/Polymer Shell Microcapsules by Internal Phase Separation from Emulsion Droplets. II:Â Controlling the Release Profile of Active Molecules. Langmuir, 2005, 21, 5278-5284.	3.5	87
5	Are Hydrotropes Distinct from Surfactants?. Langmuir, 2011, 27, 12346-12353.	3.5	86
6	Preparation and Swelling Properties of Poly(NIPAM) â€œMinigelâ€•Particles Prepared by Inverse Suspension Polymerization. Journal of Colloid and Interface Science, 2000, 221, 268-272.	9.4	80
7	A two-step model for surfactant adsorption at solid surfaces. Journal of Colloid and Interface Science, 2010, 346, 424-428.	9.4	74
8	Nanotechnology in action: Overbased nanodetergents as lubricant oil additives. Advances in Colloid and Interface Science, 2006, 123-126, 425-431.	14.7	64
9	Factors governing emulsion droplet and solid particle size measurements performed using the focused beam reflectance technique. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2001, 192, 5-13.	4.7	49
10	Production of porous suspension polymer beads with a narrow size distribution using a cross-flow membrane and a continuous tubular reactor. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2001, 180, 301-309.	4.7	47
11	Adsorption and Desorption of Nonionic Surfactants on Silica from Toluene Studied by ATR-FTIR. Langmuir, 2009, 25, 9785-9791.	3.5	28
12	Molecular Dynamics Simulations of Glycerol Monooleate Confined between Mica Surfaces. Langmuir, 2016, 32, 7707-7718.	3.5	27
13	Cylinder to sphere transition in reverse microemulsions: The effect of hydrotropes. Journal of Colloid and Interface Science, 2013, 392, 304-310.	9.4	25
14	The characterization of porous styreneâ€"glycidyl methacrylate copolymer beads prepared by suspension polymerization. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1998, 145, 263-270.	4.7	23
15	Glycerol Monooleate Reverse Micelles in Nonpolar Solvents: Computer Simulations and Small-Angle Neutron Scattering. Journal of Physical Chemistry B, 2015, 119, 4321-4331.	2.6	23
16	Understanding and Designing Tailor-Made Additives for Controlling Nucleation: Case Study of p-Aminobenzoic Acid Crystallizing from Ethanolic Solutions. Crystal Growth and Design, 2021, 21, 1946-1958.	3.0	22
17	The effects of surface curvature on the adsorption of surfactants at the solidâ€"liquid interface. Physical Chemistry Chemical Physics, 2013, 15, 11653.	2.8	20
18	Self-assembly and friction of glycerol monooleate and its hydrolysis products in bulk and confined non-aqueous solvents. Physical Chemistry Chemical Physics, 2018, 20, 17648-17657.	2.8	20

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19	The polymer and salt induced aggregation of silica particles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 293, 167-174.	4.7	19
20	Formation of Surfactant-Stabilized Silica Organosols. Langmuir, 2008, 24, 12793-12797.	3.5	18
21	Effects of small ionic amphiphilic additives on reverse microemulsion morphology. Journal of Colloid and Interface Science, 2014, 421, 56-63.	9.4	17
22	Production of porous suspension polymers using a continuous tubular reactor. Colloid and Polymer Science, 2000, 278, 346-351.	2.1	15
23	Effects of Structure Variation on Solution Properties of Hydrotropes: Phenyl versus Cyclohexyl Chain Tips. Langmuir, 2012, 28, 9332-9340.	3.5	13
24	Effect of Water on Overbased Sulfonate Engine Oil Additives. Langmuir, 2008, 24, 3807-3813.	3.5	12
25	Characterization of Water-in-Oil Microemulsions Formed in Silicone Oils. Langmuir, 1998, 14, 3517-3523.	3.5	10
26	Stability of Copper Phthalocyanine Dispersions in Organic Media. Langmuir, 1999, 15, 5227-5231.	3.5	10
27	Adsorption and Desorption of Cationic Surfactants onto Silica from Toluene Studied by ATR-FTIR. Langmuir, 2010, 26, 671-677.	3.5	10
28	Solubility and crystallisability of the ternary system: Hexadecane and octadecane representative in fuel solvents. Fuel, 2018, 226, 665-674.	6.4	9
29	Temperature-induced polymorphism in methyl stearate. CrystEngComm, 2018, 20, 6885-6893.	2.6	9
30	Isothermal by Design: An Accelerated Approach to the Prediction of the Crystallizability of Slowly Nucleating Systems. Organic Process Research and Development, 2019, 23, 1948-1959.	2.7	8
31	Influence of solution chemistry on the solubility, crystallisability and nucleation behaviour of eicosane in tolueneâ€‰:â€‰acetone mixed-solvents. CrystEngComm, 2021, 23, 3109-3125.	2.6	7
32	Dissociation of AOT monolayers stabilising oil-in-water microemulsions in Winsor I systems. Physical Chemistry Chemical Physics, 1999, 1, 1971-1978.	2.8	6
33	A versatile liquid-jet/sessile droplet system for operando studies of reactions in liquid dispersions and solutions by X-ray absorption spectroscopy. Reaction Chemistry and Engineering, 2019, 4, 679-687.	3.7	6
34	Towards a neutron and X-ray reflectometry environment for the study of solidâ€“liquid interfaces under shear. Scientific Reports, 2021, 11, 9713.	3.3	6
35	High-pressure crystallisation studies of biodiesel and methyl stearate. CrystEngComm, 2019, 21, 4427-4436.	2.6	5
36	Bidisperse colloids: Nanoparticles and microemulsions in coexistence. Journal of Colloid and Interface Science, 2010, 344, 447-450.	9.4	4

#	Article	IF	Citations
37	Solvent Relaxation NMR as a Tool to Study Particle Dispersions in Non-Aqueous Systems. Physchem, 2022, 2, 224-234.	1.1	4
38	The Structures of Salicylate Surfactants with Long Alkyl Chains in Non-Aqueous Media. Langmuir, 2013, 29, 14763-14771.	3.5	3
39	Effect of functional-group distribution on the structure of a polymer in non-aqueous solvent. Molecular Physics, 2018, 116, 2942-2953.	1.7	3
40	New Frontiers in Colloid Science. Special Publication - Royal Society of Chemistry, 2008, , .	0.0	3
41	Isothermal by Design: Comparison with an Established Isothermal Nucleation Kinetics Analysis Method. Chemical Engineering and Technology, 2020, 43, 1971-1980.	1.5	2
42	Influence of a polymeric additive on the crystallisability and nucleation mechanism for the model fuel system of eicosane crystallising from supersaturated toluene solutions. Journal of Crystal Growth, 2022, 581, 126470.	1.5	2
43	Data for crystallisation, dissolution and saturation temperatures of the ternary system: Hexadecane and octadecane representative in fuel solvents. Data in Brief, 2018, 19, 1382-1392.	1.0	0