

# Keith P Johnston

## List of Publications by Year in descending order

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357  
papers

26,154  
citations

4345

89  
h-index

11608

140  
g-index

361  
all docs

361  
docs citations

361  
times ranked

21863  
citing authors

#	ARTICLE	IF	CITATIONS
1	Control of Thickness and Orientation of Solution-Grown Silicon Nanowires. <i>Science</i> , 2000, 287, 1471-1473.	6.0	1,496
2	Water electrolysis on $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$ perovskite electrocatalysts. <i>Nature Communications</i> , 2016, 7, 11053.	5.8	800
3	Anion charge storage through oxygen intercalation in $\text{LaMnO}_3$ perovskite pseudocapacitor electrodes. <i>Nature Materials</i> , 2014, 13, 726-732.	13.3	589
4	Highly Luminescent Silicon Nanocrystals with Discrete Optical Transitions. <i>Journal of the American Chemical Society</i> , 2001, 123, 3743-3748.	6.6	466
5	Modelling the solubility of solids in supercritical fluids with density as the independent variable. <i>Journal of Supercritical Fluids</i> , 1988, 1, 15-22.	1.6	347
6	Drug Nanoparticles by Antisolvent Precipitation: Mixing Energy versus Surfactant Stabilization. <i>Langmuir</i> , 2006, 22, 8951-8959.	1.6	346
7	Nanoparticle Engineering Processes for Enhancing the Dissolution Rates of Poorly Water Soluble Drugs. <i>Drug Development and Industrial Pharmacy</i> , 2004, 30, 233-245.	0.9	318
8	Polymeric materials formed by precipitation with a compressed fluid antisolvent. <i>AIChE Journal</i> , 1993, 39, 127-139.	1.8	302
9	Highly Active, Nonprecious Metal Perovskite Electrocatalysts for Bifunctional Metal-Air Battery Electrodes. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1254-1259.	2.1	294
10	Atomic Ensemble and Electronic Effects in Ag-Rich AgPd Nanoalloy Catalysts for Oxygen Reduction in Alkaline Media. <i>Journal of the American Chemical Society</i> , 2012, 134, 9812-9819.	6.6	264
11	Water-in-Carbon Dioxide Microemulsions with a Fluorocarbon-Hydrocarbon Hybrid Surfactant. <i>Langmuir</i> , 1994, 10, 3536-3541.	1.6	263
12	Tuning the Electrocatalytic Activity of Perovskites through Active Site Variation and Support Interactions. <i>Chemistry of Materials</i> , 2014, 26, 3368-3376.	3.2	229
13	Water in Supercritical Carbon Dioxide Microemulsions: Spectroscopic Investigation of a New Environment for Aqueous Inorganic Chemistry. <i>Journal of the American Chemical Society</i> , 1997, 119, 6399-6406.	6.6	218
14	Nanostructured $\text{LaNiO}_3$ Perovskite Electrocatalyst for Enhanced Urea Oxidation. <i>ACS Catalysis</i> , 2016, 6, 5044-5051.	5.5	217
15	Molecular interactions in dilute supercritical fluid solutions. <i>Industrial &amp; Engineering Chemistry Research</i> , 1987, 26, 1206-1213.	1.8	210
16	Solubilities of hydrocarbon solids in supercritical fluids. The augmented van der Waals treatment. <i>Industrial &amp; Engineering Chemistry Fundamentals</i> , 1982, 21, 191-197.	0.7	208
17	Synthesis of Organic Monolayer-Stabilized Copper Nanocrystals in Supercritical Water. <i>Journal of the American Chemical Society</i> , 2001, 123, 7797-7803.	6.6	203
18	Dispersion Polymerization of Methyl Methacrylate Stabilized with Poly(1,1-dihydroperfluorooctyl) Tj ETQqO 0 0 rgBT (Overlock 10 Tf 50	2.2	199

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19	Formation of Poly(1,1,2,2-tetrahydroperfluorodecyl acrylate) Submicron Fibers and Particles from Supercritical Carbon Dioxide Solutions. <i>Macromolecules</i> , 1995, 28, 3182-3191.	2.2	189
20	Nanoparticle-stabilized carbon dioxide-in-water foams with fine texture. <i>Journal of Colloid and Interface Science</i> , 2013, 391, 142-151.	5.0	189
21	Nonpolar co-solvents for solubility enhancement in supercritical fluid carbon dioxide. <i>Journal of Chemical &amp; Engineering Data</i> , 1986, 31, 303-308.	1.0	187
22	Small Multifunctional Nanoclusters (Nanoroses) for Targeted Cellular Imaging and Therapy. <i>ACS Nano</i> , 2009, 3, 2686-2696.	7.3	187
23	MATERIALS SCIENCE: Enhanced: Making Nanoscale Materials with Supercritical Fluids. <i>Science</i> , 2004, 303, 482-483.	6.0	183
24	Carbon Dioxide-Induced Plasticization of Polyimide Membranes: Pseudo-Equilibrium Relationships of Diffusion, Sorption, and Swelling. <i>Macromolecules</i> , 2003, 36, 6433-6441.	2.2	180
25	Wetting Phenomena at the CO <sub>2</sub> /Water/Glass Interface. <i>Langmuir</i> , 2006, 22, 2161-2170.	1.6	177
26	Effect of Surfactants on the Interfacial Tension and Emulsion Formation between Water and Carbon Dioxide. <i>Langmuir</i> , 1999, 15, 419-428.	1.6	174
27	Controlled Assembly of Biodegradable Plasmonic Nanoclusters for Near-Infrared Imaging and Therapeutic Applications. <i>ACS Nano</i> , 2010, 4, 2178-2184.	7.3	171
28	Nanocrystal and Nanowire Synthesis and Dispersibility in Supercritical Fluids. <i>Journal of Physical Chemistry B</i> , 2004, 108, 9574-9587.	1.2	169
29	Microencapsulation of proteins by rapid expansion of supercritical solution with a nonsolvent. <i>AIChE Journal</i> , 2000, 46, 857-865.	1.8	167
30	Polymeric microspheres prepared by spraying into compressed carbon dioxide. <i>Pharmaceutical Research</i> , 1995, 12, 1211-1217.	1.7	163
31	Quantitative Equilibrium Constants between CO <sub>2</sub> and Lewis Bases from FTIR Spectroscopy. <i>The Journal of Physical Chemistry</i> , 1996, 100, 10837-10848.	2.9	161
32	Exceptional electrocatalytic oxygen evolution via tunable charge transfer interactions in La <sub>0.5</sub> Sr <sub>1.5</sub> Ni <sub>1-x</sub> Fe <sub>x</sub> O <sub>4</sub> Ruddlesden-Popper oxides. <i>Nature Communications</i> , 2018, 9, 3150.	5.8	161
33	Enhanced drug dissolution using evaporative precipitation into aqueous solution. <i>International Journal of Pharmaceutics</i> , 2002, 243, 17-31.	2.6	159
34	Contact Angle of Water on Polystyrene Thin Films: Effects of CO <sub>2</sub> Environment and Film Thickness. <i>Langmuir</i> , 2007, 23, 9785-9793.	1.6	157
35	Water-in-Carbon Dioxide Emulsions: Formation and Stability. <i>Langmuir</i> , 1999, 15, 6781-6791.	1.6	155
36	Water-in-Carbon Dioxide Microemulsions with Methylated Branched Hydrocarbon Surfactants. <i>Industrial &amp; Engineering Chemistry Research</i> , 2003, 42, 6348-6358.	1.8	155

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37	Preparation of cyclosporine A nanoparticles by evaporative precipitation into aqueous solution. <i>International Journal of Pharmaceutics</i> , 2002, 242, 3-14.	2.6	152
38	Modeling supercritical mixtures: how predictive is it?. <i>Industrial &amp; Engineering Chemistry Research</i> , 1989, 28, 1115-1125.	1.8	144
39	Design of Potent Amorphous Drug Nanoparticles for Rapid Generation of Highly Supersaturated Media. <i>Molecular Pharmaceutics</i> , 2007, 4, 782-793.	2.3	141
40	Growth of Single Crystal Silicon Nanowires in Supercritical Solution from Tethered Gold Particles on a Silicon Substrate. <i>Nano Letters</i> , 2003, 3, 93-99.	4.5	137
41	Electrogenerated Chemiluminescence of Ge Nanocrystals. <i>Nano Letters</i> , 2004, 4, 183-185.	4.5	137
42	Solubilization in nonionic reverse micelles in carbon dioxide. <i>AIChE Journal</i> , 1994, 40, 543-555.	1.8	136
43	Nanoparticle-Stabilized Supercritical CO <sub>2</sub> Foams for Potential Mobility Control Applications. , 2010, , .		136
44	Spectroscopic studies of p-(N,N-dimethylamino)benzotrile and ethyl p-(N,N-dimethylamino)benzoate in supercritical trifluoromethane, carbon dioxide, and ethane. <i>Journal of the American Chemical Society</i> , 1992, 114, 1187-1194.	6.6	133
45	Solution-Based Particle Formation of Pharmaceutical Powders by Supercritical or Compressed Fluid CO <sub>2</sub> and Cryogenic Spray-Freezing Technologies. <i>Drug Development and Industrial Pharmacy</i> , 2001, 27, 1003-1015.	0.9	133
46	Size-dependent properties of silica nanoparticles for Pickering stabilization of emulsions and foams. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	0.8	129
47	Selectivities in pure and mixed supercritical fluid solvents. <i>Industrial &amp; Engineering Chemistry Research</i> , 1987, 26, 1476-1482.	1.8	128
48	Morphology and Stability of CO <sub>2</sub> -in-Water Foams with Nonionic Hydrocarbon Surfactants. <i>Langmuir</i> , 2010, 26, 5335-5348.	1.6	128
49	A novel particle engineering technology to enhance dissolution of poorly water soluble drugs: spray-freezing into liquid. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2002, 54, 271-280.	2.0	127
50	A novel particle engineering technology: spray-freezing into liquid. <i>International Journal of Pharmaceutics</i> , 2002, 242, 93-100.	2.6	127
51	Synthesis of Cadmium Sulfide Q Particles in Water-in-CO <sub>2</sub> Microemulsions. <i>Langmuir</i> , 1999, 15, 6613-6615.	1.6	125
52	Spray freezing into liquid (SFL) particle engineering technology to enhance dissolution of poorly water soluble drugs: organic solvent versus organic/aqueous co-solvent systems. <i>European Journal of Pharmaceutical Sciences</i> , 2003, 20, 295-303.	1.9	125
53	Rapid Expansion from Supercritical to Aqueous Solution to Produce Submicron Suspensions of Water-Insoluble Drugs. <i>Biotechnology Progress</i> , 2000, 16, 402-407.	1.3	123
54	Viscosity and stability of ultra-high internal phase CO <sub>2</sub> -in-water foams stabilized with surfactants and nanoparticles with or without polyelectrolytes. <i>Journal of Colloid and Interface Science</i> , 2016, 461, 383-395.	5.0	123

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55	Enhanced Catalyst Reactivity and Separations Using Water/Carbon Dioxide Emulsions. <i>Journal of the American Chemical Society</i> , 1999, 121, 11902-11903.	6.6	122
56	Steric Stabilization of Nanocrystals in Supercritical CO <sub>2</sub> Using Fluorinated Ligands. <i>Journal of the American Chemical Society</i> , 2000, 122, 4245-4246.	6.6	122
57	Stabilization of Carbon Dioxide-in-Water Emulsions with Silica Nanoparticles. <i>Langmuir</i> , 2004, 20, 7976-7983.	1.6	121
58	Comparison of bioavailability of amorphous versus crystalline itraconazole nanoparticles via pulmonary administration in rats. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 75, 33-41.	2.0	119
59	Size-Selective Dispersion of Dodecanethiol-Coated Nanocrystals in Liquid and Supercritical Ethane by Density Tuning. <i>Journal of Physical Chemistry B</i> , 2002, 106, 2545-2551.	1.2	118
60	Highly Stable and Active Pt <sup>0</sup> /Cu Oxygen Reduction Electrocatalysts Based on Mesoporous Graphitic Carbon Supports. <i>Chemistry of Materials</i> , 2009, 21, 4515-4526.	3.2	109
61	Improvement of dissolution rates of poorly water soluble APIs using novel spray freezing into liquid technology. <i>Pharmaceutical Research</i> , 2002, 19, 1278-1284.	1.7	107
62	High Yield Solution <sup>→</sup> Liquid <sup>→</sup> Solid Synthesis of Germanium Nanowires. <i>Journal of the American Chemical Society</i> , 2005, 127, 15718-15719.	6.6	107
63	Molecular thermodynamics of solubilities in gas antisolvent crystallization. <i>AIChE Journal</i> , 1991, 37, 1441-1449.	1.8	106
64	Synthesis of Germanium Nanocrystals in High Temperature Supercritical Fluid Solvents. <i>Nano Letters</i> , 2004, 4, 969-974.	4.5	106
65	High bioavailability from nebulized itraconazole nanoparticle dispersions with biocompatible stabilizers. <i>International Journal of Pharmaceutics</i> , 2008, 361, 177-188.	2.6	106
66	Effect of branching on the interfacial properties of nonionic hydrocarbon surfactants at the air <sup>→</sup> water and carbon dioxide <sup>→</sup> water interfaces. <i>Journal of Colloid and Interface Science</i> , 2010, 346, 455-463.	5.0	106
67	Molecular Engineering of Hydrogels for Rapid Water Disinfection and Sustainable Solar Vapor Generation. <i>Advanced Materials</i> , 2021, 33, e2102994.	11.1	105
68	Formation of microporous polymer fibers and oriented fibrils by precipitation with a compressed fluid antisolvent. <i>Journal of Applied Polymer Science</i> , 1993, 50, 1929-1942.	1.3	104
69	Microcellular microspheres and microballoons by precipitation with a vapour-liquid compressed fluid antisolvent. <i>Polymer</i> , 1994, 35, 3998-4005.	1.8	104
70	Novel ultra-rapid freezing particle engineering process for enhancement of dissolution rates of poorly water-soluble drugs. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2007, 65, 57-67.	2.0	104
71	Concentrated Dispersions of Equilibrium Protein Nanoclusters That Reversibly Dissociate into Active Monomers. <i>ACS Nano</i> , 2012, 6, 1357-1369.	7.3	104
72	Adjustable solute distribution between polymers and supercritical fluids. <i>AIChE Journal</i> , 1989, 35, 1097-1106.	1.8	103

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73	Switchable Nonionic to Cationic Ethoxylated Amine Surfactants for CO <sub>2</sub> Enhanced Oil Recovery in High-Temperature, High-Salinity Carbonate Reservoirs. <i>SPE Journal</i> , 2014, 19, 249-259.	1.7	103
74	Spray freezing into liquid versus spray-freeze drying: Influence of atomization on protein aggregation and biological activity. <i>European Journal of Pharmaceutical Sciences</i> , 2006, 27, 9-18.	1.9	102
75	Water Core within Perfluoropolyether-Based Microemulsions Formed in Supercritical Carbon Dioxide. <i>Journal of Physical Chemistry B</i> , 1997, 101, 6707-6714.	1.2	101
76	Organic Synthesis in Water/Carbon Dioxide Microemulsions. <i>Journal of Organic Chemistry</i> , 1999, 64, 1201-1206.	1.7	101
77	Polar and hydrogen-bonding interactions in supercritical fluids: effects on the tautomeric equilibrium of 4-(phenylazo)-1-naphthol. <i>The Journal of Physical Chemistry</i> , 1991, 95, 7863-7867.	2.9	99
78	Steric stabilization of nanoparticles with grafted low molecular weight ligands in highly concentrated brines including divalent ions. <i>Soft Matter</i> , 2016, 12, 2025-2039.	1.2	99
79	Enhanced Electrocatalytic Activities by Substitutional Tuning of Nickel-Based Ruddlesden-Popper Catalysts for the Oxidation of Urea and Small Alcohols. <i>ACS Catalysis</i> , 2019, 9, 2664-2673.	5.5	99
80	Poly(vinyl acetate) and Poly(vinyl acetate-co-ethylene) Latexes via Dispersion Polymerizations in Carbon Dioxide. <i>Macromolecules</i> , 1998, 31, 6794-6805.	2.2	97
81	High Yield of Germanium Nanocrystals Synthesized from Germanium Dioxide in Solution. <i>Chemistry of Materials</i> , 2005, 17, 6479-6485.	3.2	97
82	Colloids in supercritical fluids over the last 20 years and future directions. <i>Journal of Supercritical Fluids</i> , 2009, 47, 523-530.	1.6	97
83	Catalysis in supercritical CO <sub>2</sub> using dendrimer-encapsulated palladium nanoparticles. <i>Chemical Communications</i> , 2001, , 2290-2291.	2.2	96
84	Nanocrystal Arrested Precipitation in Supercritical Carbon Dioxide. <i>Journal of Physical Chemistry B</i> , 2001, 105, 9433-9440.	1.2	96
85	Effect of Stabilizer on the Maximum Degree and Extent of Supersaturation and Oral Absorption of Tacrolimus Made By Ultra-Rapid Freezing. <i>Pharmaceutical Research</i> , 2008, 25, 167-175.	1.7	95
86	Coaxial nozzle for control of particle morphology in precipitation with a compressed fluid antisolvent. <i>Journal of Applied Polymer Science</i> , 1997, 64, 2105-2118.	1.3	94
87	Encapsulation of lysozyme in a biodegradable polymer by precipitation with a vapor-over-liquid antisolvent. <i>Journal of Pharmaceutical Sciences</i> , 1999, 88, 640-650.	1.6	94
88	Buffering the Aqueous Phase pH in Water-in-CO <sub>2</sub> Microemulsions. <i>Journal of Physical Chemistry B</i> , 1999, 103, 5703-5711.	1.2	94
89	Concentrated CO <sub>2</sub> -in-Water Emulsions with Nonionic Polymeric Surfactants. <i>Journal of Colloid and Interface Science</i> , 2001, 239, 241-253.	5.0	93
90	Synthesis of TiO <sub>2</sub> Nanoparticles Utilizing Hydrated Reverse Micelles in CO <sub>2</sub> . <i>Langmuir</i> , 2004, 20, 2466-2471.	1.6	93

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91	High internal phase CO <sub>2</sub> -in-water emulsions stabilized with a branched nonionic hydrocarbon surfactant. <i>Journal of Colloid and Interface Science</i> , 2006, 298, 406-418.	5.0	90
92	Synergistic Formation and Stabilization of Oil-in-Water Emulsions by a Weakly Interacting Mixture of Zwitterionic Surfactant and Silica Nanoparticles. <i>Langmuir</i> , 2014, 30, 984-994.	1.6	90
93	Role of Steric Stabilization on the Arrested Growth of Silver Nanocrystals in Supercritical Carbon Dioxide. <i>Journal of Physical Chemistry B</i> , 2002, 106, 12178-12185.	1.2	89
94	Enhanced aqueous dissolution of a poorly water soluble drug by novel particle engineering technology: spray-freezing into liquid with atmospheric freeze-drying. <i>Pharmaceutical Research</i> , 2003, 20, 485-493.	1.7	89
95	Iron Oxide Nanoparticles Grafted with Sulfonated Copolymers are Stable in Concentrated Brine at Elevated Temperatures and Weakly Adsorb on Silica. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 3329-3339.	4.0	89
96	Static Adsorption of an Ethoxylated Nonionic Surfactant on Carbonate Minerals. <i>Langmuir</i> , 2016, 32, 10244-10252.	1.6	89
97	Carbon dioxide/water foams stabilized with a zwitterionic surfactant at temperatures up to 150°C in high salinity brine. <i>Journal of Petroleum Science and Engineering</i> , 2018, 166, 880-890.	2.1	86
98	Relationship between polymer chain conformation and phase boundaries in a supercritical fluid. <i>Journal of Chemical Physics</i> , 1997, 107, 10782-10792.	1.2	85
99	High pseudocapacitance of MnO <sub>2</sub> nanoparticles in graphitic disordered mesoporous carbon at high scan rates. <i>Journal of Materials Chemistry</i> , 2012, 22, 3160.	6.7	85
100	Effect of Surfactants on the Interfacial Tension between Supercritical Carbon Dioxide and Polyethylene Glycol. <i>Langmuir</i> , 1996, 12, 2637-2644.	1.6	84
101	Molecular Differences between Hydrocarbon and Fluorocarbon Surfactants at the CO <sub>2</sub> /Water Interface. <i>Journal of Physical Chemistry B</i> , 2003, 107, 10185-10192.	1.2	84
102	Single dose and multiple dose studies of itraconazole nanoparticles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2006, 63, 95-102.	2.0	83
103	Theory of hydrogen bonding in supercritical fluids. <i>AIChE Journal</i> , 1992, 38, 1243-1253.	1.8	80
104	Preparation and characterization of microparticles containing peptide produced by a novel process: spray freezing into liquid. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2002, 54, 221-228.	2.0	80
105	Relaxation Dynamics of CO <sub>2</sub> Diffusion, Sorption, and Polymer Swelling for Plasticized Polyimide Membranes. <i>Macromolecules</i> , 2003, 36, 6442-6448.	2.2	80
106	Rapid dissolving high potency danazol powders produced by spray freezing into liquid process. <i>International Journal of Pharmaceutics</i> , 2004, 271, 145-154.	2.6	80
107	Formation of Stable Submicron Protein Particles by Thin Film Freezing. <i>Pharmaceutical Research</i> , 2008, 25, 1334-1346.	1.7	80
108	Bifunctional Catalysts for Alkaline Oxygen Reduction Reaction via Promotion of Ligand and Ensemble Effects at Ag/MnO <sub>x</sub> Nanodomains. <i>Journal of Physical Chemistry C</i> , 2012, 116, 11032-11039.	1.5	79



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109	Charged Gold Nanoparticles with Essentially Zero Serum Protein Adsorption in Undiluted Fetal Bovine Serum. <i>Journal of the American Chemical Society</i> , 2013, 135, 7799-7802.	6.6	79
110	Hybrid MnO <sub>2</sub> “disordered mesoporous carbon nanocomposites: synthesis and characterization as electrochemical pseudocapacitor electrodes. <i>Journal of Materials Chemistry</i> , 2010, 20, 390-398.	6.7	78
111	Modified Montmorillonite Clay Microparticles for Stable Oil-in-Seawater Emulsions. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 11502-11513.	4.0	78
112	Mobility of Ethomeen C12 and Carbon Dioxide (CO <sub>2</sub> ) Foam at High Temperature/High Salinity and in Carbonate Cores. <i>SPE Journal</i> , 2016, 21, 1151-1163.	1.7	78
113	High temperature ultralow water content carbon dioxide-in-water foam stabilized with viscoelastic zwitterionic surfactants. <i>Journal of Colloid and Interface Science</i> , 2017, 488, 79-91.	5.0	77
114	Semocrystalline microfibrils and hollow fibres by precipitation with a compressed-fluid antisolvent. <i>Polymer</i> , 1995, 36, 3173-3182.	1.8	76
115	Interfacial Thermodynamics of Surfactants at the CO <sub>2</sub> -Water Interface. <i>Langmuir</i> , 2000, 16, 3690-3695.	1.6	76
116	Effect of Grafted Copolymer Composition on Iron Oxide Nanoparticle Stability and Transport in Porous Media at High Salinity. <i>Energy &amp; Fuels</i> , 2014, 28, 3655-3665.	2.5	76
117	Water-in-carbon dioxide emulsions stabilized with hydrophobic silica particles. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 6333.	1.3	74
118	Low Interfacial Free Volume of Stubby Surfactants Stabilizes Water-in-Carbon Dioxide Microemulsions. <i>Journal of Physical Chemistry B</i> , 2004, 108, 1962-1966.	1.2	72
119	Theoretical and experimental investigation of the motion of multiphase fluids containing paramagnetic nanoparticles in porous media. <i>Journal of Petroleum Science and Engineering</i> , 2012, 81, 129-144.	2.1	72
120	Graphene oxide nanoplatelet dispersions in concentrated NaCl and stabilization of oil/water emulsions. <i>Journal of Colloid and Interface Science</i> , 2013, 403, 1-6.	5.0	72
121	Ultradry Carbon Dioxide-in-Water Foams with Viscoelastic Aqueous Phases. <i>Langmuir</i> , 2016, 32, 28-37.	1.6	71
122	Carbon Dioxide-in-Water Microemulsions. <i>Journal of the American Chemical Society</i> , 2003, 125, 3181-3189.	6.6	70
123	Spray freezing into liquid nitrogen for highly stable protein nanostructured microparticles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2004, 58, 529-537.	2.0	70
124	Highly Elastic Interconnected Porous Hydrogels through Self-Assembled Templating for Solar Water Purification. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202114074.	7.2	70
125	Water-in-Carbon Dioxide Emulsions with Poly(dimethylsiloxane)-Based Block Copolymer Ionomers. <i>Industrial &amp; Engineering Chemistry Research</i> , 2000, 39, 2655-2664.	1.8	69
126	Stabilized Polymer Microparticles by Precipitation with a Compressed Fluid Antisolvent. 1. Poly(fluoro) Tj ETQq0 0 Q,rgBT /Overlock 10 T	2.2	67



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127	Water in Carbon Dioxide Macroemulsions and Miniemulsions with a Hydrocarbon Surfactant. <i>Langmuir</i> , 2001, 17, 7191-7193.	1.6	67
128	CO <sub>2</sub> -in-Water Foam at Elevated Temperature and Salinity Stabilized with a Nonionic Surfactant with a High Degree of Ethoxylation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 4252-4263.	1.8	67
129	Surfactant-Modified CO <sub>2</sub> -Water Interface: A Molecular View. <i>Journal of Physical Chemistry B</i> , 2002, 106, 13250-13261.	1.2	66
130	Amorphous cyclosporin nanodispersions for enhanced pulmonary deposition and dissolution. <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 4915-4933.	1.6	66
131	Effect of Adsorbed Amphiphilic Copolymers on the Interfacial Activity of Superparamagnetic Nanoclusters and the Emulsification of Oil in Water. <i>Macromolecules</i> , 2012, 45, 5157-5166.	2.2	66
132	Synthesis and properties of semifluorinated block copolymers containing poly(ethylene oxide) and poly(fluorooctyl methacrylates) via atom transfer radical polymerisation. <i>Polymer</i> , 2002, 43, 7043-7049.	1.8	65
133	Turbidimetric measurement and prediction of dissolution rates of poorly soluble drug nanocrystals. <i>Journal of Controlled Release</i> , 2007, 117, 351-359.	4.8	65
134	Stabilization of Iron Oxide Nanoparticles in High Sodium and Calcium Brine at High Temperatures with Adsorbed Sulfonated Copolymers. <i>Langmuir</i> , 2013, 29, 3195-3206.	1.6	65
135	Phase behavior of AOT microemulsions in compressible liquids. <i>The Journal of Physical Chemistry</i> , 1991, 95, 4889-4896.	2.9	64
136	Targeted High Lung Concentrations of Itraconazole Using Nebulized Dispersions in a Murine Model. <i>Pharmaceutical Research</i> , 2006, 23, 901-911.	1.7	64
137	Solid-liquid-gas equilibria in multicomponent supercritical fluid systems. <i>Fluid Phase Equilibria</i> , 1989, 45, 265-286.	1.4	63
138	Stable Citrate-Coated Iron Oxide Superparamagnetic Nanoclusters at High Salinity. <i>Industrial &amp; Engineering Chemistry Research</i> , 2010, 49, 12435-12443.	1.8	63
139	Inverse Opal Nanocrystal Superlattice Films. <i>Nano Letters</i> , 2004, 4, 1943-1948.	4.5	61
140	Kinetic Assembly of Near-IR-Active Gold Nanoclusters Using Weakly Adsorbing Polymers to Control the Size. <i>Langmuir</i> , 2010, 26, 8988-8999.	1.6	60
141	Anion-Based Pseudocapacitance of the Perovskite Library La <sub>x</sub> Sr <sub>x</sub> BO <sub>3</sub> (B = Fe, Mn, Co). <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 5084-5094.	4.0	60
142	Stubby Surfactants for Stabilization of Water and CO <sub>2</sub> Emulsions: Trisiloxanes. <i>Langmuir</i> , 2003, 19, 3114-3120.	1.6	59
143	Viscoelastic diamine surfactant for stable carbon dioxide/water foams over a wide range in salinity and temperature. <i>Journal of Colloid and Interface Science</i> , 2018, 522, 151-162.	5.0	59
144	Molecular thermodynamics of solute-polymer-supercritical fluid systems. <i>AIChE Journal</i> , 1991, 37, 607-616.	1.8	57

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