

Keith P Johnston

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2833132/publications.pdf>

Version: 2024-02-01

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	Elastic gas/water interface for highly stable foams with modified anionic silica nanoparticles and a like-charged surfactant. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 1401-1413.	5.0	17
2	Highly Elastic Interconnected Porous Hydrogels through Self-Assembled Templating for Solar Water Purification. <i>Angewandte Chemie</i> , 2022, 134, e202114074.	1.6	16
3	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
4	Ultrastable N ₂ /Water Foams Stabilized by Dilute Nanoparticles and a Surfactant at High Salinity and High Pressure. <i>Langmuir</i> , 2022, 38, 5392-5403.	1.6	13
5	Effect of surface chemistry of silica nanoparticles on contact angle of oil on calcite surfaces in concentrated brine with divalent ions. <i>Journal of Colloid and Interface Science</i> , 2021, 581, 656-668.	5.0	20
6	Development and experimental evaluation of a mathematical model to predict polymer-enhanced nanoparticle mobility in heterogeneous formations. <i>Environmental Science: Nano</i> , 2021, 8, 470-484.	2.2	1
7	Tuning Nanoparticle Surface Chemistry and Interfacial Properties for Highly Stable Nitrogen-In-Brine Foams. <i>Langmuir</i> , 2021, 37, 5408-5423.	1.6	13
8	Tuning Surface Chemistry and Ionic Strength to Control Nanoparticle Adsorption and Elastic Dilational Modulus at Air-Brine Interface. <i>Langmuir</i> , 2021, 37, 5795-5809.	1.6	14
9	Molecular Engineering of Hydrogels for Rapid Water Disinfection and Sustainable Solar Vapor Generation. <i>Advanced Materials</i> , 2021, 33, e2102994.	11.1	105
10	Protein-Protein Interactions, Clustering, and Rheology for Bovine IgG up to High Concentrations Characterized by Small Angle X-Ray Scattering and Molecular Dynamics Simulations. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 696-708.	1.6	19
11	Polyelectrolyte coated individual silica nanoparticles dispersed in concentrated divalent brine at elevated temperatures for subsurface energy applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 586, 124276.	2.3	8
12	Crude Oil Recovery with Duomeen CTM-Stabilized Supercritical CO ₂ Foams for HPHT and Ultrahigh-Salinity Carbonate Reservoirs. <i>Energy & Fuels</i> , 2020, 34, 15727-15735.	2.5	21
13	Coarse-Grained Molecular Dynamics Simulations for Understanding the Impact of Short-Range Anisotropic Attractions on Structure and Viscosity of Concentrated Monoclonal Antibody Solutions. <i>Molecular Pharmaceutics</i> , 2020, 17, 1748-1756.	2.3	26
14	Self-diffusion of a highly concentrated monoclonal antibody by fluorescence correlation spectroscopy: insight into protein-protein interactions and self-association. <i>Soft Matter</i> , 2019, 15, 6660-6676.	1.2	13
15	Tuning Redox Transitions via the Inductive Effect in LaNi _{1-x} Fe _x O ₃ Perovskites for High-Power Asymmetric and Symmetric Pseudocapacitors. <i>ACS Applied Energy Materials</i> , 2019, 2, 6558-6568.	2.5	23
16	Relating Collective Diffusion, Protein-Protein Interactions, and Viscosity of Highly Concentrated Monoclonal Antibodies through Dynamic Light Scattering. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 22456-22471.	1.8	15
17	Comparison of perovskite and perovskite derivatives for use in anion-based pseudocapacitor applications. <i>Journal of Materials Chemistry A</i> , 2019, 7, 21222-21231.	5.2	21
18	Decoupling the roles of carbon and metal oxides on the electrocatalytic reduction of oxygen on La _{1-x} Sr _x CoO ₃ perovskite composite electrodes. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 3327-3338.	1.3	26

#	ARTICLE	IF	CITATIONS
19	Evaluating the Transport Behavior of CO ₂ Foam in the Presence of Crude Oil under High-Temperature and High-Salinity Conditions for Carbonate Reservoirs. <i>Energy & Fuels</i> , 2019, 33, 6038-6047.	2.5	47
20	X-ray Scattering and Coarse-Grained Simulations for Clustering and Interactions of Monoclonal Antibodies at High Concentrations. <i>Journal of Physical Chemistry B</i> , 2019, 123, 5274-5290.	1.2	27
21	Enhancing Stability and Reducing Viscosity of a Monoclonal Antibody With Cosolutes by Weakening Protein-Protein Interactions. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 2517-2526.	1.6	16
22	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
23	Protein-Protein Interactions of Highly Concentrated Monoclonal Antibody Solutions via Static Light Scattering and Influence on the Viscosity. <i>Journal of Physical Chemistry B</i> , 2019, 123, 739-755.	1.2	32
24	Two-Step Adsorption of a Switchable Tertiary Amine Surfactant Measured Using a Quartz Crystal Microbalance with Dissipation. <i>Langmuir</i> , 2019, 35, 695-701.	1.6	14
25	Anion-Based Pseudocapacitance of the Perovskite Library La _{1-x} Sr _x BO ₃ (B = Fe, Mn, Co). <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 5084-5094.	4.0	60
26	Carbon dioxide-in-oil emulsions stabilized with silicone-alkyl surfactants for waterless hydraulic fracturing. <i>Journal of Colloid and Interface Science</i> , 2018, 526, 253-267.	5.0	35
27	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
28	Aqueous Superparamagnetic Magnetite Dispersions with Ultrahigh Initial Magnetic Susceptibilities. <i>Langmuir</i> , 2018, 34, 622-629.	1.6	6
29	Improving Viscosity and Stability of a Highly Concentrated Monoclonal Antibody Solution with Concentrated Proline. <i>Pharmaceutical Research</i> , 2018, 35, 133.	1.7	38
30	Oil effect on CO ₂ foam stabilized by a switchable amine surfactant at high temperature and high salinity. <i>Fuel</i> , 2018, 227, 247-255.	3.4	37
31	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
32	Role of the Carbon Support on the Oxygen Reduction and Evolution Activities in LaNiO ₃ Composite Electrodes in Alkaline Solution. <i>ACS Applied Energy Materials</i> , 2018, 1, 1549-1558.	2.5	40
33	Design of CO ₂ -in-Water Foam Stabilized with Switchable Amine Surfactants at High Temperature in High-Salinity Brine and Effect of Oil. <i>Energy & Fuels</i> , 2018, 32, 12259-12267.	2.5	41
34	CO ₂ /Water Foams Stabilized with Cationic or Zwitterionic Surfactants at Temperatures up to 120 °C in High Salinity Brine. , 2018, , .		17
35	Identification and Evaluation of Viscoelastic Surfactants Including Smart Viscoelastic Systems for Generation and Stabilization of Ultra-Dry N ₂ and CO ₂ Foam for Fracturing Fluids and Proppant Transport. , 2018, , .		4
36	Exceptional electrocatalytic oxygen evolution via tunable charge transfer interactions in La _{0.5} Sr _{1.5} Ni _{1-x} FexO ₄ Ruddlesden-Popper oxides. <i>Nature Communications</i> , 2018, 9, 3150.	5.8	161

#	ARTICLE	IF	CITATIONS
37	Noncovalent grafting of polyelectrolytes onto hydrophobic polymer colloids with a swelling agent. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 555, 457-464.	2.3	4
38	High temperature stability and low adsorption of sub-100 nm magnetite nanoparticles grafted with sulfonated copolymers on Berea sandstone in high salinity brine. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 520, 257-267.	2.3	34
39	Control of Primary Particle Spacing in Gold Nanoparticle Clusters for Both High NIR Extinction and Full Reversibility. <i>Langmuir</i> , 2017, 33, 3413-3426.	1.6	5
40	Simulation of magnetite nanoparticle mobility in a heterogeneous flow cell. <i>Environmental Science: Nano</i> , 2017, 4, 1512-1524.	2.2	8
41	Behavior of Spherical Poly(2-acrylamido-2-methylpropanesulfonate) Polyelectrolyte Brushes on Silica Nanoparticles up to Extreme Salinity with Weak Divalent Cation Binding at Ambient and High Temperature. <i>Macromolecules</i> , 2017, 50, 7699-7711.	2.2	22
42	Reversible Self-Assembly of Glutathione-Coated Gold Nanoparticle Clusters via pH-Tunable Interactions. <i>Langmuir</i> , 2017, 33, 12244-12253.	1.6	43
43	Carbon Dioxide-in-Brine Foams at High Temperatures and Extreme Salinities Stabilized with Silica Nanoparticles. <i>Energy & Fuels</i> , 2017, 31, 10680-10690.	2.5	47
44	Charge Shielding Prevents Aggregation of Supercharged GFP Variants at High Protein Concentration. <i>Molecular Pharmaceutics</i> , 2017, 14, 3269-3280.	2.3	27
45	Contrasting the Influence of Cationic Amino Acids on the Viscosity and Stability of a Highly Concentrated Monoclonal Antibody. <i>Pharmaceutical Research</i> , 2017, 34, 193-207.	1.7	50
46	Foam Generation Hysteresis in Porous Media: Experiments and New Insights. <i>Transport in Porous Media</i> , 2017, 116, 687-703.	1.2	23
47	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
48	Nanostructured LaNiO ₃ Perovskite Electrocatalyst for Enhanced Urea Oxidation. <i>ACS Catalysis</i> , 2016, 6, 5044-5051.	5.5	217
49	Experimental Studies and Modeling of Foam Hysteresis in Porous Media. , 2016, , .		8
50	Static Adsorption of an Ethoxylated Nonionic Surfactant on Carbonate Minerals. <i>Langmuir</i> , 2016, 32, 10244-10252.	1.6	89
51	Viscosity Reduction of a Concentrated Monoclonal Antibody with Arginine-HCl and Arginine-Glutamate. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 11225-11234.	1.8	30
52	Water electrolysis on La _{1-x} Sr _x CoO ₃ perovskite electrocatalysts. <i>Nature Communications</i> , 2016, 7, 11053.	5.8	800
53	Modeling fracture propagation and cleanup for dry nanoparticle-stabilized-foam fracturing fluids. <i>Journal of Petroleum Science and Engineering</i> , 2016, 146, 210-221.	2.1	32
54	Mobility of Ethomeen C12 and Carbon Dioxide (CO ₂) Foam at High Temperature/High Salinity and in Carbonate Cores. <i>SPE Journal</i> , 2016, 21, 1151-1163.	1.7	78

#	ARTICLE	IF	CITATIONS
55	High Temperature CO ₂ -in-Water Foams Stabilized with Cationic Quaternary Ammonium Surfactants. <i>Journal of Chemical & Engineering Data</i> , 2016, 61, 2761-2770.	1.0	33
56	Nanoparticle-Stabilized Emulsions for Improved Mobility Control for Adverse-mobility Waterflooding. , 2016, , .		17
57	Viscosity and Stability of Dry CO ₂ Foams for Improved Oil Recovery. , 2016, , .		3
58	Formation of Small Gold Nanoparticle Chains with High NIR Extinction through Bridging with Calcium Ions. <i>Langmuir</i> , 2016, 32, 1127-1138.	1.6	21
59	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
60	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
61	Low Adsorption of Magnetite Nanoparticles with Uniform Polyelectrolyte Coatings in Concentrated Brine on Model Silica and Sandstone. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 1522-1532.	1.8	31
62	Phase behavior and interfacial properties of a switchable ethoxylated amine surfactant at high temperature and effects on CO ₂ -in-water foams. <i>Journal of Colloid and Interface Science</i> , 2016, 470, 80-91.	5.0	56
63	High concentration tangential flow ultrafiltration of stable monoclonal antibody solutions with low viscosities. <i>Journal of Membrane Science</i> , 2016, 508, 113-126.	4.1	40
64	Improved Mobility of Magnetite Nanoparticles at High Salinity with Polymers and Surfactants. <i>Energy & Fuels</i> , 2016, 30, 1915-1926.	2.5	25
65	Ultradry Carbon Dioxide-in-Water Foams with Viscoelastic Aqueous Phases. <i>Langmuir</i> , 2016, 32, 28-37.	1.6	71
66	Control of magnetite primary particle size in aqueous dispersions of nanoclusters for high magnetic susceptibilities. <i>Journal of Colloid and Interface Science</i> , 2016, 462, 359-367.	5.0	20
67	Transport of Nanoparticle-Stabilized CO ₂ -Foam in Porous Media. <i>Transport in Porous Media</i> , 2016, 111, 265-285.	1.2	44
68	Viscosity and stability of ultra-high internal phase CO ₂ -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
69	Multi-Scale Evaluation of Nanoparticle-Stabilized CO ₂ -in-Water Foams: From the Benchtop to the Field. , 2015, , .		16
70	Synthesis of Iron Oxide Nanoclusters with Enhanced Magnetization and Their Applications in Pulsed Magneto-Motive Ultrasound Imaging. <i>Nano</i> , 2015, 10, 1550073.	0.5	6
71	CO ₂ -in-Water Foam at Elevated Temperature and Salinity Stabilized with a Nonionic Surfactant with a High Degree of Ethoxylation. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 4252-4263.	1.8	67
72	Origin and detection of microstructural clustering in fluids with spatial-range competitive interactions. <i>Physical Review E</i> , 2015, 91, 042312.	0.8	36

#	ARTICLE	IF	CITATIONS
73	Biodegradable Plasmonic Nanoparticles: Overcoming Clinical Translation Barriers. , 2015, , .		4
74	CO ₂ -Soluble Ionic Surfactants and CO ₂ Foams for High-Temperature and High-Salinity Sandstone Reservoirs. Energy & Fuels, 2015, 29, 5750-5760.	2.5	42
75	Gold nanoparticles with high densities of small protuberances on nanocluster cores with strong NIR extinction. RSC Advances, 2015, 5, 104674-104687.	1.7	7
76	Switchable Nonionic to Cationic Ethoxylated Amine Surfactants for CO ₂ Enhanced Oil Recovery in High-Temperature, High-Salinity Carbonate Reservoirs. SPE Journal, 2014, 19, 249-259.	1.7	103
77	Switchable Diamine Surfactants for CO ₂ Mobility Control in Enhanced Oil Recovery and Sequestration. Energy Procedia, 2014, 63, 7709-7716.	1.8	26
78	Synergistic Formation and Stabilization of Oil-in-Water Emulsions by a Weakly Interacting Mixture of Zwitterionic Surfactant and Silica Nanoparticles. Langmuir, 2014, 30, 984-994.	1.6	90
79	Effect of Grafted Copolymer Composition on Iron Oxide Nanoparticle Stability and Transport in Porous Media at High Salinity. Energy & Fuels, 2014, 28, 3655-3665.	2.5	76
80	High Interfacial Activity of Polymers "Grafted through" Functionalized Iron Oxide Nanoparticle Clusters. Langmuir, 2014, 30, 10188-10196.	1.6	31
81	Modified Montmorillonite Clay Microparticles for Stable Oil-in-Seawater Emulsions. ACS Applied Materials & Interfaces, 2014, 6, 11502-11513.	4.0	78
82	Iron Oxide Nanoparticles Grafted with Sulfonated and Zwitterionic Polymers: High Stability and Low Adsorption in Extreme Aqueous Environments. ACS Macro Letters, 2014, 3, 867-871.	2.3	38
83	Anion charge storage through oxygen intercalation in LaMnO ₃ perovskite pseudocapacitor electrodes. Nature Materials, 2014, 13, 726-732.	13.3	589
84	Tuning the Electrocatalytic Activity of Perovskites through Active Site Variation and Support Interactions. Chemistry of Materials, 2014, 26, 3368-3376.	3.2	229
85	Quenched Assembly of NIR-Active Gold Nanoclusters Capped with Strongly Bound Ligands by Tuning Particle Charge via pH and Salinity. Journal of Physical Chemistry C, 2014, 118, 14291-14298.	1.5	16
86	Switchable Amine Surfactants for Stable CO ₂ /Brine Foams in High Temperature, High Salinity Reservoirs. , 2014, , .		22
87	Carbon Dioxide-in-Water Foams Stabilized with a Mixture of Nanoparticles and Surfactant for CO ₂ Storage and Utilization Applications. Energy Procedia, 2014, 63, 7929-7938.	1.8	37
88	Tunable equilibrium nanocluster dispersions at high protein concentrations. Soft Matter, 2013, 9, 1766-1771.	1.2	30
89	Respirable Low-Density Microparticles Formed In Situ from Aerosolized Brittle Matrices. Pharmaceutical Research, 2013, 30, 813-825.	1.7	50
90	Stabilization of Iron Oxide Nanoparticles in High Sodium and Calcium Brine at High Temperatures with Adsorbed Sulfonated Copolymers. Langmuir, 2013, 29, 3195-3206.	1.6	65

#	ARTICLE	IF	CITATIONS
91	Excretion and toxicity of gold-iron nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013, 9, 356-365.	1.7	50
92	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
93	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
94	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
95	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
96	Iron Oxide Nanoparticles Grafted with Sulfonated Copolymers are Stable in Concentrated Brine at Elevated Temperatures and Weakly Adsorb on Silica. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 3329-3339.	4.0	89
97	Equilibrium Gold Nanoclusters Quenched with Biodegradable Polymers. <i>ACS Nano</i> , 2013, 7, 239-251.	7.3	51
98	Thermal stability of biodegradable plasmonic nanoclusters in photoacoustic imaging. <i>Optics Express</i> , 2012, 20, 29479.	1.7	22
99	Flocculated amorphous itraconazole nanoparticles for enhanced in vitro supersaturation and in vivo bioavailability. <i>Drug Development and Industrial Pharmacy</i> , 2012, 38, 557-570.	0.9	42
100	Dual-wavelength multifrequency photothermal wave imaging combined with optical coherence tomography for macrophage and lipid detection in atherosclerotic plaques using gold nanoparticles. <i>Journal of Biomedical Optics</i> , 2012, 17, 1.	1.4	7
101	Ethoxylated Cationic Surfactants for CO ₂ EOR in High Temperature, High Salinity Reservoirs. , 2012, , .		36
102	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
103	Bifunctional Catalysts for Alkaline Oxygen Reduction Reaction via Promotion of Ligand and Ensemble Effects at Ag/MnO _x Nanodomains. <i>Journal of Physical Chemistry C</i> , 2012, 116, 11032-11039.	1.5	79
104	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
105	Nanoparticle Stabilized Carbon Dioxide in Water Foams for Enhanced Oil Recovery. , 2012, , .		36
106	Precipitation Technologies for Nanoparticle Production. <i>AAPS Advances in the Pharmaceutical Sciences Series</i> , 2012, , 501-568.	0.2	3
107	High pseudocapacitance of MnO ₂ nanoparticles in graphitic disordered mesoporous carbon at high scan rates. <i>Journal of Materials Chemistry</i> , 2012, 22, 3160.	6.7	85
108	Concentrated Dispersions of Equilibrium Protein Nanoclusters That Reversibly Dissociate into Active Monomers. <i>ACS Nano</i> , 2012, 6, 1357-1369.	7.3	104

#	ARTICLE	IF	CITATIONS
109	Antibody nanoparticle dispersions formed with mixtures of crowding molecules retain activity and In Vivo bioavailability. <i>Journal of Pharmaceutical Sciences</i> , 2012, 101, 3763-3778.	1.6	13
110	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
111	Combined two-photon luminescence microscopy and OCT for macrophage detection in the hypercholesterolemic rabbit aorta using plasmonic gold nanorose. <i>Lasers in Surgery and Medicine</i> , 2012, 44, 49-59.	1.1	16
112	Selective Targeting of Antibody Conjugated Multifunctional Nanoclusters (Nanoroses) to Epidermal Growth Factor Receptors in Cancer Cells. <i>Langmuir</i> , 2011, 27, 7681-7690.	1.6	38
113	Stabilization of Superparamagnetic Iron Oxide Nanoclusters in Concentrated Brine with Cross-Linked Polymer Shells. <i>Langmuir</i> , 2011, 27, 10962-10969.	1.6	50
114	Comparison of pulsed photothermal radiometry, optical coherence tomography and ultrasound for melanoma thickness measurement in PDMS tissue phantoms. <i>Journal of Biophotonics</i> , 2011, 4, 335-344.	1.1	25
115	Fluorescence imaging of macrophages in atherosclerotic plaques using plasmonic gold nanorose. , 2011, , .		0
116	Pulsed magneto-motive ultrasound imaging to detect intracellular accumulation of magnetic nanoparticles. <i>Nanotechnology</i> , 2011, 22, 415105.	1.3	22
117	Twin-Tailed Surfactants for Creating CO ₂ -in-Water Macroemulsions for Sweep Enhancement in CO ₂ -EOR. , 2010, , .		20
118	Nanorose and lipid detection in atherosclerotic plaque using dual-wavelength photothermal wave imaging. , 2010, , .		2
119	Stable Citrate-Coated Iron Oxide Superparamagnetic Nanoclusters at High Salinity. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 12435-12443.	1.8	63
120	Controlled Assembly of Biodegradable Plasmonic Nanoclusters for Near-Infrared Imaging and Therapeutic Applications. <i>ACS Nano</i> , 2010, 4, 2178-2184.	7.3	171
121	In vitro characterization and pharmacokinetics in mice following pulmonary delivery of itraconazole as cyclodextrin solubilized solution. <i>European Journal of Pharmaceutical Sciences</i> , 2010, 39, 336-347.	1.9	44
122	Templated Open Flocs of Anisotropic Particles for Pulmonary Delivery with Pressurized Metered Dose Inhalers. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 3150-3165.	1.6	22
123	Effect of branching on the interfacial properties of nonionic hydrocarbon surfactants at the air-water and carbon dioxide-water interfaces. <i>Journal of Colloid and Interface Science</i> , 2010, 346, 455-463.	5.0	106
124	Electrophoretic mobility of concentrated carbon black dispersions in a low-permittivity solvent by optical coherence tomography. <i>Journal of Colloid and Interface Science</i> , 2010, 345, 194-199.	5.0	21
125	Carbon dioxide/water, water/carbon dioxide emulsions and double emulsions stabilized with a nonionic biocompatible surfactant. <i>Journal of Colloid and Interface Science</i> , 2010, 348, 469-478.	5.0	35
126	Superparamagnetic nanoclusters coated with oleic acid bilayers for stabilization of emulsions of water and oil at low concentration. <i>Journal of Colloid and Interface Science</i> , 2010, 351, 225-232.	5.0	52

#	ARTICLE	IF	CITATIONS
127	Interfacial tension and the behavior of microemulsions and macroemulsions of water and carbon dioxide with a branched hydrocarbon nonionic surfactant. <i>Journal of Supercritical Fluids</i> , 2010, 55, 712-723.	1.6	43
128	Combined photothermal therapy and magneto-motive ultrasound imaging using multifunctional nanoparticles. , 2010, , .		4
129	Low Viscosity Highly Concentrated Injectable Nonaqueous Suspensions of Lysozyme Microparticles. <i>Langmuir</i> , 2010, 26, 1067-1074.	1.6	29
130	Morphology and Stability of CO ₂ -in-Water Foams with Nonionic Hydrocarbon Surfactants. <i>Langmuir</i> , 2010, 26, 5335-5348.	1.6	128
131	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
132	Theoretical and Experimental Investigation of the Motion of Multiphase Fluids Containing Paramagnetic Nanoparticles in Porous Media. , 2010, , .		9
133	Depth resolved photothermal OCT detection of macrophages in tissue using nanorose. <i>Biomedical Optics Express</i> , 2010, 1, 2.	1.5	35
134	Nanoparticle-Stabilized Supercritical CO ₂ Foams for Potential Mobility Control Applications. , 2010, , .		136
135	Utility of biodegradable plasmonic nanoclusters in photoacoustic imaging. <i>Optics Letters</i> , 2010, 35, 3751.	1.7	46
136	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
137	Photoacoustic imaging with biodegradable plasmonic nanoclusters. , 2010, , .		0
138	Hybrid MnO ₂ “disordered mesoporous carbon nanocomposites: synthesis and characterization as electrochemical pseudocapacitor electrodes. <i>Journal of Materials Chemistry</i> , 2010, 20, 390-398.	6.7	78
139	Measurement of the Optical Properties of Nanorose. , 2010, , .		0
140	Templated Open Flocs of Nanorods for Enhanced Pulmonary Delivery with Pressurized Metered Dose Inhalers. <i>Pharmaceutical Research</i> , 2009, 26, 101-117.	1.7	41
141	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
142	Flocculation of Polymer Stabilized Nanocrystal Suspensions to Produce Redispersible Powders. <i>Drug Development and Industrial Pharmacy</i> , 2009, 35, 283-296.	0.9	27
143	Highly Supersaturated Solutions from Dissolution of Amorphous Itraconazole Microparticles at pH 6.8. <i>Molecular Pharmaceutics</i> , 2009, 6, 375-385.	2.3	36
144	Highly Stable and Active Pt~Cu Oxygen Reduction Electrocatalysts Based on Mesoporous Graphitic Carbon Supports. <i>Chemistry of Materials</i> , 2009, 21, 4515-4526.	3.2	109

#	ARTICLE	IF	CITATIONS
145	Small Multifunctional Nanoclusters (Nanoroses) for Targeted Cellular Imaging and Therapy. ACS Nano, 2009, 3, 2686-2696.	7.3	187
146	Effect of Stabilizer on the Maximum Degree and Extent of Supersaturation and Oral Absorption of Tacrolimus Made By Ultra-Rapid Freezing. Pharmaceutical Research, 2008, 25, 167-175.	1.7	95
147	Formation of Stable Submicron Protein Particles by Thin Film Freezing. Pharmaceutical Research, 2008, 25, 1334-1346.	1.7	80
148	Flocculated Amorphous Nanoparticles for Highly Supersaturated Solutions. Pharmaceutical Research, 2008, 25, 2477-2487.	1.7	53
149	Synthesis of polystyrene/SiO ₂ composite microparticles by dispersion polymerization in supercritical fluid. Colloid and Polymer Science, 2008, 286, 1343-1348.	1.0	18
150	Amorphous cyclosporin nanodispersions for enhanced pulmonary deposition and dissolution. Journal of Pharmaceutical Sciences, 2008, 97, 4915-4933.	1.6	66
151	High bioavailability from nebulized itraconazole nanoparticle dispersions with biocompatible stabilizers. International Journal of Pharmaceutics, 2008, 361, 177-188.	2.6	106
152	Highly Supersaturated Solutions of Amorphous Drugs Approaching Predictions from Configurational Thermodynamic Properties. Journal of Physical Chemistry B, 2008, 112, 16675-16681.	1.2	43
153	Nebulization of nanoparticulate amorphous or crystalline tacrolimus – Single-dose pharmacokinetics study in mice. European Journal of Pharmaceutics and Biopharmaceutics, 2008, 69, 1057-1066.	2.0	46
154	Stable Ordered FePt Mesoporous Silica Catalysts with High Loadings. Chemistry of Materials, 2008, 20, 5005-5015.	3.2	31
155	Stable Colloidal Dispersions of a Lipase~Perfluoropolyether Complex in Liquid and Supercritical Carbon Dioxide. Journal of Physical Chemistry B, 2008, 112, 4760-4769.	1.2	13
156	Novel ultra-rapid freezing particle engineering process for enhancement of dissolution rates of poorly water-soluble drugs. European Journal of Pharmaceutics and Biopharmaceutics, 2007, 65, 57-67.	2.0	104
157	Stable high surface area lactate dehydrogenase particles produced by spray freezing into liquid nitrogen. European Journal of Pharmaceutics and Biopharmaceutics, 2007, 65, 163-174.	2.0	43
158	Morphology of protein particles produced by spray freezing of concentrated solutions. European Journal of Pharmaceutics and Biopharmaceutics, 2007, 65, 149-162.	2.0	52
159	Design of Potent Amorphous Drug Nanoparticles for Rapid Generation of Highly Supersaturated Media. Molecular Pharmaceutics, 2007, 4, 782-793.	2.3	141
160	Ordering in Asymmetric Block Copolymer Films by a Compressible Fluid. Journal of Physical Chemistry B, 2007, 111, 16-25.	1.2	30
161	Tertiary Amine Esters for Carbon Dioxide Based Emulsions. Industrial & Engineering Chemistry Research, 2007, 46, 2473-2480.	1.8	9
162	Contact Angle of Water on Polystyrene Thin Films: Effects of CO ₂ Environment and Film Thickness. Langmuir, 2007, 23, 9785-9793.	1.6	157

#	ARTICLE	IF	CITATIONS
163	Water-in-carbon dioxide emulsions stabilized with hydrophobic silica particles. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 6333.	1.3	74
164	CO ₂ promotes penetration and removal of aqueous hydrocarbon surfactant cleaning solutions and silylation in low-k dielectrics with 3nm pores. <i>Journal of Supercritical Fluids</i> , 2007, 42, 398-409.	1.6	16
165	Murine airway histology and intracellular uptake of inhaled amorphous itraconazole. <i>International Journal of Pharmaceutics</i> , 2007, 338, 219-224.	2.6	27
166	Role of interfacial interactions on the anomalous swelling of polymer thin films in supercritical carbon dioxide. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007, 45, 1313-1324.	2.4	37
167	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
168	Rapidly dissolving repaglinide powders produced by the ultra-rapid freezing process. <i>AAPS PharmSciTech</i> , 2007, 8, E52-E60.	1.5	52
169	Supercritical CO ₂ -based solvents in next generation microelectronics processing. <i>Science Bulletin</i> , 2007, 52, 27-33.	1.7	7
170	Aerosolized nanostructured itraconazole as prophylaxis against invasive pulmonary aspergillosis. <i>Journal of Infection</i> , 2007, 55, 68-74.	1.7	36
171	Drug Nanoparticles by Antisolvent Precipitation: Mixing Energy versus Surfactant Stabilization. <i>Langmuir</i> , 2006, 22, 8951-8959.	1.6	346
172	Supersaturation Produces High Bioavailability of Amorphous Danazol Particles Formed by Evaporative Precipitation into Aqueous Solution and Spray Freezing into Liquid Technologies. <i>Drug Development and Industrial Pharmacy</i> , 2006, 32, 559-567.	0.9	51
173	Interactions of Core-Shell Silica Nanoparticles in Liquid Carbon Dioxide Measured by Dynamic Light Scattering. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 5603-5613.	1.8	7
174	Wetting Phenomena at the CO ₂ /Water/Glass Interface. <i>Langmuir</i> , 2006, 22, 2161-2170.	1.6	177
175	Structural Inversion of Micellar Block Copolymer Thin Films. <i>Macromolecules</i> , 2006, 39, 7044-7054.	2.2	19
176	Infusion of Presynthesized Iridium Nanocrystals into Mesoporous Silica for High Catalyst Activity. <i>Chemistry of Materials</i> , 2006, 18, 6239-6249.	3.2	29
177	Single dose and multiple dose studies of itraconazole nanoparticles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2006, 63, 95-102.	2.0	83
178	Long-Ranged Electrostatic Repulsion and Crystallization of Emulsion Droplets in an Ultralow Dielectric Medium Supercritical Carbon Dioxide. <i>Langmuir</i> , 2006, 22, 1006-1015.	1.6	20
179	Cryogenic liquids, nanoparticles, and microencapsulation. <i>International Journal of Pharmaceutics</i> , 2006, 324, 43-50.	2.6	35
180	High internal phase CO ₂ -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

#	ARTICLE	IF	CITATIONS
181	Cleaning of patterned porous low-k dielectrics with water, carbon dioxide and ambidextrous surfactants. <i>Journal of Supercritical Fluids</i> , 2006, 39, 277-285.	1.6	39
182	Improvement of Dissolution Rate of Poorly Water Soluble Drugs Using a New Particle Engineering Process: Spray Freezing into Liquid. <i>ACS Symposium Series</i> , 2006, , 305-319.	0.5	6
183	Targeted High Lung Concentrations of Itraconazole Using Nebulized Dispersions in a Murine Model. <i>Pharmaceutical Research</i> , 2006, 23, 901-911.	1.7	64
184	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
185	Dispersion Polymerization of Methyl Methacrylate in Supercritical Carbon Dioxide in the Presence of Random Copolymers. <i>Macromolecular Rapid Communications</i> , 2006, 27, 121-125.	2.0	18
186	Ketoprofen nanoparticle gels formed by evaporative precipitation into aqueous solution. <i>AICHE Journal</i> , 2006, 52, 2428-2435.	1.8	16
187	In Vivo Efficacy of Aerosolized Nanostructured Itraconazole Formulations for Prevention of Invasive Pulmonary Aspergillosis. <i>Antimicrobial Agents and Chemotherapy</i> , 2006, 50, 1552-1554.	1.4	45
188	Stabilizer choice for rapid dissolving high potency itraconazole particles formed by evaporative precipitation into aqueous solution. <i>International Journal of Pharmaceutics</i> , 2005, 302, 113-124.	2.6	51
189	Encapsulation of protein nanoparticles into uniform-sized microspheres formed in a spinning oil film. <i>AAPS PharmSciTech</i> , 2005, 6, E605-E617.	1.5	40
190	Novel Semiconducting Polymer Particles by Supercritical Fluid Process. <i>Macromolecular Rapid Communications</i> , 2005, 26, 1779-1783.	2.0	21
191	Uniform Encapsulation of Stable Protein Nanoparticles Produced by Spray Freezing for the Reduction of Burst Release. <i>Journal of Pharmaceutical Sciences</i> , 2005, 94, 56-69.	1.6	47
192	Wet Chemical Synthesis of Germanium Nanocrystals. <i>Materials Research Society Symposia Proceedings</i> , 2005, 879, 1.	0.1	3
193	Synthesis of germanium nanocrystals in high temperature supercritical CO ₂ . <i>Nanotechnology</i> , 2005, 16, S389-S394.	1.3	29
194	Electrostatically Stabilized Metal Oxide Particle Dispersions in Carbon Dioxide. <i>Journal of Physical Chemistry B</i> , 2005, 109, 20155-20165.	1.2	13
195	Interfacial Properties of Fluorocarbon and Hydrocarbon Phosphate Surfactants at the Water-CO ₂ Interface. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 1370-1380.	1.8	52
196	Electrostatic Stabilization of Colloids in Carbon Dioxide: Electrophoresis and Dielectrophoresis. <i>Langmuir</i> , 2005, 21, 5914-5923.	1.6	27
197	High Yield of Germanium Nanocrystals Synthesized from Germanium Diiodide in Solution. <i>Chemistry of Materials</i> , 2005, 17, 6479-6485.	3.2	97
198	CO ₂ -Enhanced Transport of Small Molecules in Thin PMMA Films. <i>Macromolecules</i> , 2005, 38, 1335-1340.	2.2	10

#	ARTICLE	IF	CITATIONS
199	Comparison of powder produced by evaporative precipitation into aqueous solution (EPAS) and spray freezing into liquid (SFL) technologies using novel Z-contrast STEM and complimentary techniques. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2005, 60, 81-89.	2.0	37
200	High Yield Solution~Liquid~Solid Synthesis of Germanium Nanowires. <i>Journal of the American Chemical Society</i> , 2005, 127, 15718-15719.	6.6	107
201	Enhanced Infusion of Gold Nanocrystals into Mesoporous Silica with Supercritical Carbon Dioxide. <i>Chemistry of Materials</i> , 2005, 17, 6728-6738.	3.2	39
202	Chemical-mechanical photoresist drying in supercritical carbon dioxide with hydrocarbon surfactants. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2004, 22, 818.	1.6	35
203	Polystyrene thin films in CO ₂ . <i>Physical Review E</i> , 2004, 69, 051601.	0.8	26
204	Stable Amorphous Danazol Nanostructured Powders with Rapid Dissolution Rates Produced by Spray Freezing into Liquid. <i>Drug Development and Industrial Pharmacy</i> , 2004, 30, 695-704.	0.9	21
205	Synthesis of Ultrafine TiO ₂ Particles from Hydrolysis of Ti(OiPr) ₄ with PEO-b-PFOMA Reverse Micelles in CO ₂ . <i>Studies in Surface Science and Catalysis</i> , 2004, 153, 569-572.	1.5	7
206	Phospholipid-stabilized nanoparticles of cyclosporine a by rapid expansion from supercritical to aqueous solution. <i>AAPS PharmSciTech</i> , 2004, 5, 70-85.	1.5	20
207	Critical flocculation density of dilute water-in-CO ₂ emulsions stabilized with block copolymers. <i>Journal of Colloid and Interface Science</i> , 2004, 272, 444-456.	5.0	27
208	Rapid Dissolution of High~Potency Danazol Particles Produced by Evaporative Precipitation into Aqueous Solution. <i>Journal of Pharmaceutical Sciences</i> , 2004, 93, 1867-1878.	1.6	33
209	Nanocrystal and Nanowire Synthesis and Dispersibility in Supercritical Fluids. <i>ChemInform</i> , 2004, 35, no.	0.1	0
210	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
211	CO ₂ -Enhanced Transport of Small Molecules in Thin Films:~A Fluorescence Study. <i>Macromolecules</i> , 2004, 37, 1897-1902.	2.2	8
212	Welding Colloidal Crystals with Carbon Dioxide. <i>Macromolecules</i> , 2004, 37, 7316-7324.	2.2	20
213	Synthesis of TiO ₂ Nanoparticles Utilizing Hydrated Reverse Micelles in CO ₂ . <i>Langmuir</i> , 2004, 20, 2466-2471.	1.6	93
214	Steric Stabilization of Core-Shell Nanoparticles in Liquid Carbon Dioxide at the Vapor Pressure. <i>Langmuir</i> , 2004, 20, 9380-9387.	1.6	20
215	Steric Stabilization of Silica Colloids in Supercritical Carbon Dioxide. <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 525-534.	1.8	28
216	Retrograde Vitrification in CO ₂ /Polystyrene Thin Films. <i>Journal of Physical Chemistry B</i> , 2004, 108, 3457-3461.	1.2	32

#	ARTICLE	IF	CITATIONS
217	Inverse Opal Nanocrystal Superlattice Films. <i>Nano Letters</i> , 2004, 4, 1943-1948.	4.5	61
218	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
219	Synthesis of Germanium Nanocrystals in High Temperature Supercritical Fluid Solvents. <i>Nano Letters</i> , 2004, 4, 969-974.	4.5	106
220	Stabilization of Carbon Dioxide-in-Water Emulsions with Silica Nanoparticles. <i>Langmuir</i> , 2004, 20, 7976-7983.	1.6	121
221	MATERIALS SCIENCE: Enhanced: Making Nanoscale Materials with Supercritical Fluids. <i>Science</i> , 2004, 303, 482-483.	6.0	183
222	Nanocrystal and Nanowire Synthesis and Dispersibility in Supercritical Fluids. <i>Journal of Physical Chemistry B</i> , 2004, 108, 9574-9587.	1.2	169
223	Electrogenerated Chemiluminescence of Ge Nanocrystals. <i>Nano Letters</i> , 2004, 4, 183-185.	4.5	137
224	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
225	Solvent Density-Dependent Steric Stabilization of Perfluoropolyether-Coated Nanocrystals in Supercritical Carbon Dioxide. <i>Journal of Physical Chemistry B</i> , 2004, 108, 15969-15975.	1.2	29
226	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
227	Phospholipid-stabilized nanoparticles of cyclosporine a by rapid expansion from supercritical to aqueous solution. <i>AAPS PharmSciTech</i> , 2004, 5, 70-85.	1.5	17
228	Investigation of processing parameters of spray freezing into liquid to prepare polyethylene glycol polymeric particles for drug delivery. <i>AAPS PharmSciTech</i> , 2003, 4, 1-13.	1.5	49
229	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
230	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
231	Molecular Differences between Hydrocarbon and Fluorocarbon Surfactants at the CO ₂ /Water Interface. <i>Journal of Physical Chemistry B</i> , 2003, 107, 10185-10192.	1.2	84
232	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
233	Water-in-Carbon Dioxide Microemulsions with Methylated Branched Hydrocarbon Surfactants. <i>Industrial & Engineering Chemistry Research</i> , 2003, 42, 6348-6358.	1.8	155
234	Structure of End-Grafted Polymer Brushes in Liquid and Supercritical Carbon Dioxide: A Neutron Reflectivity Study. <i>Macromolecules</i> , 2003, 36, 3365-3373.	2.2	54

#	ARTICLE	IF	CITATIONS
235	Stubby Surfactants for Stabilization of Water and CO ₂ Emulsions: Trisiloxanes. <i>Langmuir</i> , 2003, 19, 3114-3120.	1.6	59
236	NMR Studies of Water Transport and Proton Exchange in Water-in-Carbon Dioxide Microemulsions. <i>Journal of Physical Chemistry B</i> , 2003, 107, 1962-1968.	1.2	23
237	Relaxation Dynamics of CO ₂ Diffusion, Sorption, and Polymer Swelling for Plasticized Polyimide Membranes. <i>Macromolecules</i> , 2003, 36, 6442-6448.	2.2	80
238	Carbon Dioxide-in-Water Microemulsions. <i>Journal of the American Chemical Society</i> , 2003, 125, 3181-3189.	6.6	70
239	Micronized powders of a poorly water soluble drug produced by a spray-freezing into liquid-emulsion process. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2003, 55, 161-172.	2.0	57
240	Kinetics of Nonequilibrium Nanocrystal Monolayer Formation: Deposition from Liquid Carbon Dioxide. <i>Nano Letters</i> , 2003, 3, 1671-1675.	4.5	37
241	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
242	Formation and Growth of Water-in-CO ₂ Miniemulsions. <i>Langmuir</i> , 2003, 19, 4895-4904.	1.6	43
243	Physical Stability of Micronized Powders Produced by Spray-Freezing into Liquid (SFL) to Enhance the Dissolution of an Insoluble Drug. <i>Pharmaceutical Development and Technology</i> , 2003, 8, 187-197.	1.1	21
244	Pressure, Temperature, and Thickness Dependence of CO ₂ -Induced Devitrification of Polymer Films. <i>Physical Review Letters</i> , 2003, 91, 175503.	2.9	26
245	Nanocrystal Synthesis and Stabilization in Supercritical Solvents. <i>ACS Symposium Series</i> , 2003, , 339-352.	0.5	2
246	Interfacial Studies of the Formation of Microemulsions of Water in Carbon Dioxide with Fluorinated Surfactants. <i>Journal of Dispersion Science and Technology</i> , 2002, 23, 81-92.	1.3	19
247	Formation of Carbon Dioxide in Water Miniemulsions Using the Phase Inversion Temperature Method. <i>Langmuir</i> , 2002, 18, 3039-3046.	1.6	43
248	Aqueous Latexes Formed from Polymer/CO ₂ Suspensions. 2. Hydrophilic Surfactants in Water. <i>Industrial & Engineering Chemistry Research</i> , 2002, 41, 4750-4757.	1.8	6
249	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
250	Surfactant-Modified CO ₂ -Water Interface: A Molecular View. <i>Journal of Physical Chemistry B</i> , 2002, 106, 13250-13261.	1.2	66
251	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
252	Formation of TiO ₂ nanoparticles in water-in-CO ₂ microemulsions. <i>Chemical Communications</i> , 2002, , 1528-1529.	2.2	16

#	ARTICLE	IF	CITATIONS
253	Mapping the Stability and Curvature of Emulsions of H ₂ O and Supercritical CO ₂ with Interfacial Tension Measurements. <i>Journal of Dispersion Science and Technology</i> , 2002, 23, 65-80.	1.3	21
254	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
255	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
256	Enhanced drug dissolution using evaporative precipitation into aqueous solution. <i>International Journal of Pharmaceutics</i> , 2002, 243, 17-31.	2.6	159
257	Preparation of cyclosporine A nanoparticles by evaporative precipitation into aqueous solution. <i>International Journal of Pharmaceutics</i> , 2002, 242, 3-14.	2.6	152
258	A novel particle engineering technology: spray-freezing into liquid. <i>International Journal of Pharmaceutics</i> , 2002, 242, 93-100.	2.6	127
259	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
260	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
261	Highly Luminescent Silicon Nanocrystals with Discrete Optical Transitions. <i>Journal of the American Chemical Society</i> , 2001, 123, 3743-3748.	6.6	466
262	Solution-Based Particle Formation of Pharmaceutical Powders by Supercritical or Compressed Fluid CO ₂ and Cryogenic Spray-Freezing Technologies. <i>Drug Development and Industrial Pharmacy</i> , 2001, 27, 1003-1015.	0.9	133
263	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
264	Catalysis in supercritical CO ₂ using dendrimer-encapsulated palladium nanoparticles. <i>Chemical Communications</i> , 2001, , 2290-2291.	2.2	96
265	Structural and Dynamical Origins of Ionic Mobilities in Supercritical Water. <i>Journal of Physical Chemistry B</i> , 2001, 105, 9302-9307.	1.2	29
266	Nanocrystal Arrested Precipitation in Supercritical Carbon Dioxide. <i>Journal of Physical Chemistry B</i> , 2001, 105, 9433-9440.	1.2	96
267	Water in Carbon Dioxide Macroemulsions and Miniemulsions with a Hydrocarbon Surfactant. <i>Langmuir</i> , 2001, 17, 7191-7193.	1.6	67
268	Latexes Formed by Rapid Expansion of Polymer/CO ₂ Suspensions into Water. 1. Hydrophilic Surfactant in Supercritical CO ₂ . <i>Industrial & Engineering Chemistry Research</i> , 2001, 40, 536-543.	1.8	9
269	Concentrated CO ₂ -in-Water Emulsions with Nonionic Polymeric Surfactants. <i>Journal of Colloid and Interface Science</i> , 2001, 239, 241-253.	5.0	93
270	Microencapsulation of proteins by rapid expansion of supercritical solution with a nonsolvent. <i>AIChE Journal</i> , 2000, 46, 857-865.	1.8	167

#	ARTICLE	IF	CITATIONS
271	Block copolymers as stabilizers in supercritical fluids. <i>Current Opinion in Colloid and Interface Science</i> , 2000, 5, 350-355.	3.4	42
272	Steric stabilization of inorganic suspensions in carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2000, 16, 247-260.	1.6	47
273	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
274	Control of Thickness and Orientation of Solution-Grown Silicon Nanowires. <i>Science</i> , 2000, 287, 1471-1473.	6.0	1,496
275	Steric Stabilization of Nanocrystals in Supercritical CO ₂ Using Fluorinated Ligands. <i>Journal of the American Chemical Society</i> , 2000, 122, 4245-4246.	6.6	122
276	Percolation in Concentrated Water-in-Carbon Dioxide Microemulsions. <i>Journal of Physical Chemistry B</i> , 2000, 104, 4448-4456.	1.2	53
277	Trifunctional Ambidextrous Surfactants for Latexes in Supercritical CO ₂ and Water. <i>Macromolecules</i> , 2000, 33, 1606-1612.	2.2	30
278	In-Situ Investigation on the Mechanism of Dispersion Polymerization in Supercritical Carbon Dioxide. <i>Macromolecules</i> , 2000, 33, 4008-4014.	2.2	39
279	Water-in-Carbon Dioxide Emulsions with Poly(dimethylsiloxane)-Based Block Copolymer Ionomers. <i>Industrial & Engineering Chemistry Research</i> , 2000, 39, 2655-2664.	1.8	69
280	Interfacial Thermodynamics of Surfactants at the CO ₂ /Water Interface. <i>Langmuir</i> , 2000, 16, 3690-3695.	1.6	76
281	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
282	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
283	Synthesis of Cadmium Sulfide Q Particles in Water-in-CO ₂ Microemulsions. <i>Langmuir</i> , 1999, 15, 6613-6615.	1.6	125
284	Buffering the Aqueous Phase pH in Water-in-CO ₂ Microemulsions. <i>Journal of Physical Chemistry B</i> , 1999, 103, 5703-5711.	1.2	94
285	Water-in-Carbon Dioxide Emulsions: Formation and Stability. <i>Langmuir</i> , 1999, 15, 6781-6791.	1.6	155
286	Organic Synthesis in Water/Carbon Dioxide Microemulsions. <i>Journal of Organic Chemistry</i> , 1999, 64, 1201-1206.	1.7	101
287	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
288	Polymer Coatings by Rapid Expansion of Suspensions in Supercritical Carbon Dioxide. <i>Industrial & Engineering Chemistry Research</i> , 1999, 38, 3655-3662.	1.8	39

#	ARTICLE	IF	CITATIONS
289	Density Dependence of Homopolymer Adsorption and Colloidal Interaction Forces in a Supercritical Solvent: A Monte Carlo Simulation. <i>Langmuir</i> , 1999, 15, 8037-8044.	1.6	16
290	Artificial Atoms of Silicon. <i>Materials Research Society Symposia Proceedings</i> , 1999, 582, 62.	0.1	1
291	Phase behavior of poly(1,1-dihydroperfluorooctylacrylate) in supercritical carbon dioxide. <i>Fluid Phase Equilibria</i> , 1998, 146, 325-337.	1.4	55
292	Theory of Polymer Adsorption and Colloid Stabilization in Supercritical Fluids. 2. Copolymer and End-Grafted Stabilizers. <i>Macromolecules</i> , 1998, 31, 5518-5528.	2.2	55
293	Interfacial Activity of Polymeric Surfactants at the Polystyrene-Carbon Dioxide Interface. <i>Langmuir</i> , 1998, 14, 6855-6863.	1.6	43
294	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
295	Theory of Polymer Adsorption and Colloid Stabilization in Supercritical Fluids. 1. Homopolymer Stabilizers. <i>Macromolecules</i> , 1998, 31, 5507-5517.	2.2	29
296	UV-Vis Spectroscopic Determination of the Dissociation Constant of Dichromate from 160 to 400 °C. <i>Journal of Physical Chemistry B</i> , 1998, 102, 3993-4003.	1.2	57
297	Boric Acid Equilibria in Near-Critical and Supercritical Water. <i>Industrial & Engineering Chemistry Research</i> , 1998, 37, 2045-2051.	1.8	27
298	Simulation of phase equilibria for polymer-supercritical solvent mixtures. <i>Journal of Chemical Physics</i> , 1998, 108, 4647-4653.	1.2	41
299	Simulation of structure and interaction forces for surfaces coated with grafted chains in a compressible solvent. <i>Journal of Chemical Physics</i> , 1998, 109, 6424-6434.	1.2	41
300	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
301	Stabilized Polymer Microparticles by Precipitation with a Compressed Fluid Antisolvent. 1. Poly(fluoro) Tj ETQq1 1 0,784314 rgBT /Ov 2.2 67	2.2	67
302	Stabilized Polymer Microparticles by Precipitation with a Compressed Fluid Antisolvent. 2. Poly(propylene oxide)- and Poly(butylene oxide)-Based Copolymers. <i>Langmuir</i> , 1997, 13, 1519-1528.	1.6	57
303	Solubility of Block Copolymer Surfactants in Compressed CO ₂ Using a Lattice Fluid Hydrogen-Bonding Model. <i>Industrial & Engineering Chemistry Research</i> , 1997, 36, 2821-2833.	1.8	24
304	Swelling of Polystyrene Latex Particles in Water by High-Pressure Carbon Dioxide. <i>Langmuir</i> , 1997, 13, 3047-3051.	1.6	40
305	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
306	Water in Supercritical Carbon Dioxide Microemulsions: A 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

#	ARTICLE	IF	CITATIONS
307	Acid-base behavior in supercritical water: \hat{p}^2 -naphthoic acid-ammonia equilibrium. <i>Journal of Solution Chemistry</i> , 1997, 26, 13-30.	0.6	10
308	Metastable polymer blends by precipitation with a compressed fluid antisolvent. <i>Polymer</i> , 1997, 38, 2957-2967.	1.8	37
309	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
310	Effect of Surfactants on the Interfacial Tension between Supercritical Carbon Dioxide and Polyethylene Glycol. <i>Langmuir</i> , 1996, 12, 2637-2644.	1.6	84
311	Partition Coefficients and Polymer-Solute Interaction Parameters by Inverse Supercritical Fluid Chromatography. <i>Industrial & Engineering Chemistry Research</i> , 1996, 35, 1115-1123.	1.8	53
312	Spectroscopy: the fourth vertex on the molecular thermodynamics tetrahedron. <i>Fluid Phase Equilibria</i> , 1996, 116, 385-394.	1.4	10
313	Quantitative Equilibrium Constants between CO ₂ and Lewis Bases from FTIR Spectroscopy. <i>The Journal of Physical Chemistry</i> , 1996, 100, 10837-10848.	2.9	161
314	Monte Carlo simulation of polymer chain collapse in athermal solvents. <i>Journal of Chemical Physics</i> , 1996, 104, 9971-9973.	1.2	44
315	Toxicology of a PFPE Surfactant. <i>Science</i> , 1996, 272, 1726-1726.	6.0	2
316	Semicrystalline microfibrils and hollow fibres by precipitation with a compressed-fluid antisolvent. <i>Polymer</i> , 1995, 36, 3173-3182.	1.8	76
317	Polymeric microspheres prepared by spraying into compressed carbon dioxide. <i>Pharmaceutical Research</i> , 1995, 12, 1211-1217.	1.7	163
318	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
319	Dispersion Polymerization of Methyl Methacrylate Stabilized with Poly(1,1-dihydroperfluorooctyl) Tj ETQq1 1 0.784314 rgBT /Overloc 2.2 199	2.2	199
320	Simulation and Spectroscopy of Solvation in Water from Ambient to Supercritical Conditions. <i>ACS Symposium Series</i> , 1995, , 77-92.	0.5	8
321	Recovery of proteins and amino acids from reverse micelles by dehydration with molecular sieves. <i>Biotechnology and Bioengineering</i> , 1994, 44, 830-836.	1.7	34
322	Solubilization in nonionic reverse micelles in carbon dioxide. <i>AIChE Journal</i> , 1994, 40, 543-555.	1.8	136
323	Microcellular microspheres and microballoons by precipitation with a vapour-liquid compressed fluid antisolvent. <i>Polymer</i> , 1994, 35, 3998-4005.	1.8	104
324	Ion Hydration in Supercritical Water. <i>Industrial & Engineering Chemistry Research</i> , 1994, 33, 2819-2829.	1.8	13

#	ARTICLE	IF	CITATIONS
325	Water-in-Carbon Dioxide Microemulsions with a Fluorocarbon-Hydrocarbon Hybrid Surfactant. <i>Langmuir</i> , 1994, 10, 3536-3541.	1.6	263
326	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
327	Polymeric materials formed by precipitation with a compressed fluid antisolvent. <i>AIChE Journal</i> , 1993, 39, 127-139.	1.8	302
328	Partial derivative quantities from phase equilibria relationships for mixtures. <i>AIChE Journal</i> , 1993, 39, 1363-1369.	1.8	1
329	Lattice fluid self-consistent field theory of surfaces with anchored chains. <i>Macromolecules</i> , 1993, 26, 1537-1545.	2.2	50
330	Phase behavior of nonionic surfactant/oil/water systems containing light alkanes. <i>Langmuir</i> , 1993, 9, 2942-2948.	1.6	50
331	Prediction of interfacial properties of microemulsions: the lattice fluid self-consistent field theory. <i>The Journal of Physical Chemistry</i> , 1993, 97, 5661-5667.	2.9	32
332	Spectroscopic studies of p-(N,N-dimethylamino)benzonitrile 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
333	Theory of hydrogen bonding in supercritical fluids. <i>AIChE Journal</i> , 1992, 38, 1243-1253.	1.8	80
334	Phase behavior of AOT microemulsions in compressible liquids. <i>The Journal of Physical Chemistry</i> , 1991, 95, 4889-4896.	2.9	64
335	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
336	Theory of the pressure effect on the curvature and phase behavior of AOT/propane/brine water-in-oil microemulsions. <i>The Journal of Physical Chemistry</i> , 1991, 95, 9549-9556.	2.9	46
337	PHOTOLYSIS OF DIBENZYLKETONES IN SUPERCRITICAL ETHANE and CARBON DIOXIDE*. <i>Photochemistry and Photobiology</i> , 1991, 54, 571-576.	1.3	34
338	Molecular thermodynamics of solute-polymer-supercritical fluid systems. <i>AIChE Journal</i> , 1991, 37, 607-616.	1.8	57
339	Molecular thermodynamics of solubilities in gas antisolvent crystallization. <i>AIChE Journal</i> , 1991, 37, 1441-1449.	1.8	106
340	Predictability and effect of phase behavior of CO ₂ /propylene carbonate in supercritical fluid chromatography. <i>Journal of Separation Science</i> , 1991, 3, 355-369.	1.0	15
341	Solubilities and selectivities in supercritical fluid mixtures near critical end points. <i>Fluid Phase Equilibria</i> , 1990, 59, 31-55.	1.4	37
342	Reverse micelles in supercritical fluids. 2. Fluorescence and absorption spectral probes of adjustable aggregation in the two-phase region. <i>The Journal of Physical Chemistry</i> , 1990, 94, 7224-7232.	2.9	33

#	ARTICLE	IF	CITATIONS
343	Reverse micelles in supercritical fluids. 3. Amino acid solubilization in ethane and propane. The Journal of Physical Chemistry, 1990, 94, 6021-6028.	2.9	51
344	Design and Characterization of the Molecular Environment in Supercritical Fluids. Fluid Phase Equilibria, 1989, 52, 337-346.	1.4	22
345	Adjustable solute distribution between polymers and supercritical fluids. AIChE Journal, 1989, 35, 1097-1106.	1.8	103
346	Solid-liquid-gas equilibria in multicomponent supercritical fluid systems. Fluid Phase Equilibria, 1989, 45, 265-286.	1.4	63
347	Modeling supercritical mixtures: how predictive is it?. Industrial & Engineering Chemistry Research, 1989, 28, 1115-1125.	1.8	144
348	Pressure Tuning of Reverse Micelles for Adjustable Solvation of Hydrophiles in Supercritical Fluids. ACS Symposium Series, 1989, , 140-164.	0.5	17
349	Modelling the solubility of solids in supercritical fluids with density as the independent variable. Journal of Supercritical Fluids, 1988, 1, 15-22.	1.6	347
350	ADJUSTMENT OF THE SELECTIVITY OF A DIELS-ALDER REACTION NETWORK USING SUPERCRITICAL FLUIDS. Chemical Engineering Communications, 1988, 63, 49-59.	1.5	54
351	Molecular interactions in dilute supercritical fluid solutions. Industrial & Engineering Chemistry Research, 1987, 26, 1206-1213.	1.8	210
352	Selectivities in pure and mixed supercritical fluid solvents. Industrial & Engineering Chemistry Research, 1987, 26, 1476-1482.	1.8	128
353	Local composition models for fluid mixtures over a wide density range. Fluid Phase Equilibria, 1987, 38, 39-62.	1.4	13
354	Nonpolar co-solvents for solubility enhancement in supercritical fluid carbon dioxide. Journal of Chemical & Engineering Data, 1986, 31, 303-308.	1.0	187
355	State-of-the-art on the supercritical extraction of organics from hazardous wastes. Critical Reviews in Environmental Control, 1985, 15, 237-274.	0.7	26
356	Solubilities of hydrocarbon solids in supercritical fluids. The augmented van der Waals treatment. Industrial & Engineering Chemistry Fundamentals, 1982, 21, 191-197.	0.7	208
357	Carbon Dioxide-in-Oil (C/O) Emulsions Stabilized by Silica Nanoparticles Functionalized with Oleophilic and CO ₂ -philic Ligands. Industrial & Engineering Chemistry Research, 0, , .	1.8	2