

Keith P Johnston

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

352
papers

22,231
citations

83
h-index

129
g-index

361
ext. papers

24,049
ext. citations

5.7
avg, IF

6.78
L-index

#	Paper	IF	Citations
352	Highly Elastic Interconnected Porous Hydrogels through Self-Assembled Templating for Solar Water Purification. <i>Angewandte Chemie</i> , 2022 , 134, e202114074	3.6	1
351	Highly Elastic Interconnected Porous Hydrogels through Self-Assembled Templating for Solar Water Purification. <i>Angewandte Chemie - International Edition</i> , 2021 , 61, e202114074	16.4	11
350	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> , 2021 , 608, 1401-1413	9.3	1
349	Tuning Nanoparticle Surface Chemistry and Interfacial Properties for Highly Stable Nitrogen-In-Brine Foams. <i>Langmuir</i> , 2021 , 37, 5408-5423	4	4
348	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	4	5
347	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	9.3	7
346	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	7.1	1
345	Molecular Engineering of Hydrogels for Rapid Water Disinfection and Sustainable Solar Vapor Generation. <i>Advanced Materials</i> , 2021 , 33, e2102994	24	24
344	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	4.1	9
343	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	5.6	10
342	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	3.9	7
341	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	5.1	3
340	Tuning Redox Transitions via the Inductive Effect in LaNi _{1-x} FexO ₃ Perovskites for High-Power Asymmetric and Symmetric Pseudocapacitors. <i>ACS Applied Energy Materials</i> , 2019 , 2, 6558-6568	6.1	12
339	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	3.9	7
338	Comparison of perovskite and perovskite derivatives for use in anion-based pseudocapacitor applications. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 21222-21231	13	8
337	Decoupling the roles of carbon and metal oxides on the electrocatalytic reduction of oxygen on LaSrCoO perovskite composite electrodes. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 3327-3338	3.6	17
336	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	4.1	24

335	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	3.4	15
334	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	3.9	5
333	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	13.1	60
332	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	3.6	7
331	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	3.4	19
330	Two-Step Adsorption of a Switchable Tertiary Amine Surfactant Measured Using a Quartz Crystal Microbalance with Dissipation. <i>Langmuir</i> , 2019 , 35, 695-701	4	10
329	Anion-Based Pseudocapacitance of the Perovskite Library LaSr BO (B = Fe, Mn, Co). <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 5084-5094	9.5	36
328	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	9.3	20
327	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	4.4	51
326	Aqueous Superparamagnetic Magnetite Dispersions with Ultrahigh Initial Magnetic Susceptibilities. <i>Langmuir</i> , 2018 , 34, 622-629	4	4
325	Improving Viscosity and Stability of a Highly Concentrated Monoclonal Antibody Solution with Concentrated Proline. <i>Pharmaceutical Research</i> , 2018 , 35, 133	4.5	22
324	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	7.1	23
323	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	9.3	34
322	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	6.1	29
321	Exceptional electrocatalytic oxygen evolution via tunable charge transfer interactions in LaSrNiFeO Ruddlesden-Popper oxides. <i>Nature Communications</i> , 2018 , 9, 3150	17.4	108
320	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	5.1	4
319	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	4.1	23
318	CO ₂ /Water Foams Stabilized with Cationic or Zwitterionic Surfactants at Temperatures up to 120 °C in High Salinity Brine 2018 ,		8

317	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 ,		1
316	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	5.1	29
315	Control of Primary Particle Spacing in Gold Nanoparticle Clusters for Both High NIR Extinction and Full Reversibility. <i>Langmuir</i> , 2017 , 33, 3413-3426	4	5
314	Simulation of magnetite nanoparticle mobility in a heterogeneous flow cell. <i>Environmental Science: Nano</i> , 2017 , 4, 1512-1524	7.1	5
313	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	5.5	15
312	Reversible Self-Assembly of Glutathione-Coated Gold Nanoparticle Clusters via pH-Tunable Interactions. <i>Langmuir</i> , 2017 , 33, 12244-12253	4	34
311	Carbon Dioxide-in-Brine Foams at High Temperatures and Extreme Salinities Stabilized with Silica Nanoparticles. <i>Energy & Fuels</i> , 2017 , 31, 10680-10690	4.1	36
310	Charge Shielding Prevents Aggregation of Supercharged GFP Variants at High Protein Concentration. <i>Molecular Pharmaceutics</i> , 2017 , 14, 3269-3280	5.6	17
309	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	4.5	37
308	Foam Generation Hysteresis in Porous Media: Experiments and New Insights. <i>Transport in Porous Media</i> , 2017 , 116, 687-703	3.1	17
307	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	9.3	54
306	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	9.3	83
305	Viscosity Reduction of a Concentrated Monoclonal Antibody with Arginine[HCl and Arginine[Glutamate. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 11225-11234	3.9	20
304	Water electrolysis on La(1-x)Sr(x)CoO(3- δ) perovskite electrocatalysts. <i>Nature Communications</i> , 2016 , 7, 11053	17.4	550
303	Modeling fracture propagation and cleanup for dry nanoparticle-stabilized-foam fracturing fluids. <i>Journal of Petroleum Science and Engineering</i> , 2016 , 146, 210-221	4.4	22
302	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	3.1	63
301	High Temperature CO ₂ -in-Water Foams Stabilized with Cationic Quaternary Ammonium Surfactants. <i>Journal of Chemical & Engineering Data</i> , 2016 , 61, 2761-2770	2.8	25
300	Nanoparticle-Stabilized Emulsions for Improved Mobility Control for Adverse-mobility Waterflooding 2016 ,		11

299	Viscosity and Stability of Dry CO ₂ Foams for Improved Oil Recovery 2016 ,		1
298	Formation of Small Gold Nanoparticle Chains with High NIR Extinction through Bridging with Calcium Ions. <i>Langmuir</i> , 2016 , 32, 1127-38	4	19
297	Steric stabilization of nanoparticles with grafted low molecular weight ligands in highly concentrated brines including divalent ions. <i>Soft Matter</i> , 2016 , 12, 2025-39	3.6	70
296	Size-dependent properties of silica nanoparticles for Pickering stabilization of emulsions and foams. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1	2.3	96
295	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	3.9	29
294	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, 80-93	3	38
293	High concentration tangential flow ultrafiltration of stable monoclonal antibody solutions with low viscosities. <i>Journal of Membrane Science</i> , 2016 , 508, 113-126	9.6	29
292	Improved Mobility of Magnetite Nanoparticles at High Salinity with Polymers and Surfactants. <i>Energy & Fuels</i> , 2016 , 30, 1915-1926	4.1	16
291	Ultradry Carbon Dioxide-in-Water Foams with Viscoelastic Aqueous Phases. <i>Langmuir</i> , 2016 , 32, 28-37	4	53
290	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, 359-67	9.3	14
289	Transport of Nanoparticle-Stabilized CO ₂ -Foam in Porous Media. <i>Transport in Porous Media</i> , 2016 , 111, 265-285	3.1	37
288	Nanostructured LaNiO ₃ Perovskite Electrocatalyst for Enhanced Urea Oxidation. <i>ACS Catalysis</i> , 2016 , 6, 5044-5051	13.1	156
287	Experimental Studies and Modeling of Foam Hysteresis in Porous Media 2016 ,		6
286	Static Adsorption of an Ethoxylated Nonionic Surfactant on Carbonate Minerals. <i>Langmuir</i> , 2016 , 32, 10244-10252	4	64
285	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	3.9	57
284	Origin and detection of microstructural clustering in fluids with spatial-range competitive interactions. <i>Physical Review E</i> , 2015 , 91, 042312	2.4	31
283	Biodegradable Plasmonic Nanoparticles: Overcoming Clinical Translation Barriers 2015 ,		2
282	CO ₂ -Soluble Ionic Surfactants and CO ₂ Foams for High-Temperature and High-Salinity Sandstone Reservoirs. <i>Energy & Fuels</i> , 2015 , 29, 5750-5760	4.1	32

281	Gold nanoparticles with high densities of small protuberances on nanocluster cores with strong NIR extinction. <i>RSC Advances</i> , 2015 , 5, 104674-104687	3.7	6
280	Multi-Scale Evaluation of Nanoparticle-Stabilized CO ₂ -in-Water Foams: From the Benchtop to the Field 2015 ,		9
279	Synthesis of Iron Oxide Nanoclusters with Enhanced Magnetization and Their Applications in Pulsed Magneto-Motive Ultrasound Imaging. <i>Nano</i> , 2015 , 10, 1550073	1.1	6
278	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, 984-94	4	79
277	Effect of Grafted Copolymer Composition on Iron Oxide Nanoparticle Stability and Transport in Porous Media at High Salinity. <i>Energy & Fuels</i> , 2014 , 28, 3655-3665	4.1	67
276	High interfacial activity of polymers "grafted through" functionalized iron oxide nanoparticle clusters. <i>Langmuir</i> , 2014 , 30, 10188-96	4	29
275	Modified montmorillonite clay microparticles for stable oil-in-seawater emulsions. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 11502-13	9.5	73
274	Iron Oxide Nanoparticles Grafted with Sulfonated and Zwitterionic Polymers: High Stability and Low Adsorption in Extreme Aqueous Environments. <i>ACS Macro Letters</i> , 2014 , 3, 867-871	6.6	34
273	Anion charge storage through oxygen intercalation in LaMnO ₃ perovskite pseudocapacitor electrodes. <i>Nature Materials</i> , 2014 , 13, 726-32	27	442
272	Tuning the Electrocatalytic Activity of Perovskites through Active Site Variation and Support Interactions. <i>Chemistry of Materials</i> , 2014 , 26, 3368-3376	9.6	196
271	Quenched Assembly of NIR-Active Gold Nanoclusters Capped with Strongly Bound Ligands by Tuning Particle Charge via pH and Salinity. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 14291-14298	3.8	16
270	Switchable Amine Surfactants for Stable CO ₂ /Brine Foams in High Temperature, High Salinity Reservoirs 2014 ,		17
269	Carbon Dioxide-in-Water Foams Stabilized with a Mixture of Nanoparticles and Surfactant for CO ₂ Storage and Utilization Applications. <i>Energy Procedia</i> , 2014 , 63, 7929-7938	2.3	31
268	Switchable Nonionic to Cationic Ethoxylated Amine Surfactants for CO ₂ Enhanced Oil Recovery in High-Temperature, High-Salinity Carbonate Reservoirs. <i>SPE Journal</i> , 2014 , 19, 249-259	3.1	77
267	Switchable Diamine Surfactants for CO ₂ Mobility Control in Enhanced Oil Recovery and Sequestration. <i>Energy Procedia</i> , 2014 , 63, 7709-7716	2.3	16
266	Tunable equilibrium nanocluster dispersions at high protein concentrations. <i>Soft Matter</i> , 2013 , 9, 1766-1771	3.7	28
265	Respirable low-density microparticles formed in situ from aerosolized brittle matrices. <i>Pharmaceutical Research</i> , 2013 , 30, 813-25	4.5	39
264	Stabilization of iron oxide nanoparticles in high sodium and calcium brine at high temperatures with adsorbed sulfonated copolymers. <i>Langmuir</i> , 2013 , 29, 3195-206	4	53

263	Excretion and toxicity of gold-iron nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013 , 9, 356-65	6	41
262	Highly Active, Nonprecious Metal Perovskite Electrocatalysts for Bifunctional Metal-Air Battery Electrodes. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 1254-9	6.4	258
261	Charged gold nanoparticles with essentially zero serum protein adsorption in undiluted fetal bovine serum. <i>Journal of the American Chemical Society</i> , 2013 , 135, 7799-802	16.4	73
260	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	9.3	58
259	Nanoparticle-stabilized carbon dioxide-in-water foams with fine texture. <i>Journal of Colloid and Interface Science</i> , 2013 , 391, 142-51	9.3	146
258	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, 3329-39	9.5	79
257	Equilibrium gold nanoclusters quenched with biodegradable polymers. <i>ACS Nano</i> , 2013 , 7, 239-51	16.7	49
256	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	4.4	67
255	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	3.6	14
254	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, 9812-9	16.4	225
253	Bifunctional Catalysts for Alkaline Oxygen Reduction Reaction via Promotion of Ligand and Ensemble Effects at Ag/MnOx Nanodomains. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 11032-11039	3.8	65
252	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	5.5	56
251	Nanoparticle Stabilized Carbon Dioxide in Water Foams for Enhanced Oil Recovery 2012 ,		28
250	Precipitation Technologies for Nanoparticle Production. <i>AAPS Advances in the Pharmaceutical Sciences Series</i> , 2012 , 501-568	0.5	3
249	High pseudocapacitance of MnO2 nanoparticles in graphitic disordered mesoporous carbon at high scan rates. <i>Journal of Materials Chemistry</i> , 2012 , 22, 3160		77
248	Concentrated dispersions of equilibrium protein nanoclusters that reversibly dissociate into active monomers. <i>ACS Nano</i> , 2012 , 6, 1357-69	16.7	89
247	Antibody nanoparticle dispersions formed with mixtures of crowding molecules retain activity and in vivo bioavailability. <i>Journal of Pharmaceutical Sciences</i> , 2012 , 101, 3763-78	3.9	9
246	Thermal stability of biodegradable plasmonic nanoclusters in photoacoustic imaging. <i>Optics Express</i> , 2012 , 20, 29479-87	3.3	17

245	Flocculated amorphous itraconazole nanoparticles for enhanced in vitro supersaturation and in vivo bioavailability. <i>Drug Development and Industrial Pharmacy</i> , 2012 , 38, 557-70	3.6	40
244	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, 036009	3.5	6
243	Ethoxylated Cationic Surfactants for CO ₂ EOR in High Temperature, High Salinity Reservoirs 2012 ,		27
242	Stabilization of superparamagnetic iron oxide nanoclusters in concentrated brine with cross-linked polymer shells. <i>Langmuir</i> , 2011 , 27, 10962-9	4	48
241	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, 335-44	3.1	17
240	Selective targeting of antibody conjugated multifunctional nanoclusters (nanoroses) to epidermal growth factor receptors in cancer cells. <i>Langmuir</i> , 2011 , 27, 7681-90	4	36
239	Pulsed magneto-motive ultrasound imaging to detect intracellular trafficking of magnetic nanoparticles. <i>Nanotechnology</i> , 2011 , 22, 415105	3.4	17
238	Combined photothermal therapy and magneto-motive ultrasound imaging using multifunctional nanoparticles 2010 ,		4
237	Low viscosity highly concentrated injectable nonaqueous suspensions of lysozyme microparticles. <i>Langmuir</i> , 2010 , 26, 1067-74	4	23
236	Morphology and stability of CO ₂ -in-water foams with nonionic hydrocarbon surfactants. <i>Langmuir</i> , 2010 , 26, 5335-48	4	107
235	Kinetic assembly of near-IR-active gold nanoclusters using weakly adsorbing polymers to control the size. <i>Langmuir</i> , 2010 , 26, 8988-99	4	57
234	Theoretical and Experimental Investigation of the Motion of Multiphase Fluids Containing Paramagnetic Nanoparticles in Porous Media 2010 ,		7
233	Depth resolved photothermal OCT detection of macrophages in tissue using nanorose. <i>Biomedical Optics Express</i> , 2010 , 1, 2-16	3.5	30
232	Nanoparticle-Stabilized Supercritical CO ₂ Foams for Potential Mobility Control Applications 2010 ,		104
231	Utility of biodegradable plasmonic nanoclusters in photoacoustic imaging. <i>Optics Letters</i> , 2010 , 35, 3751-3	3	45
230	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	5.7	107
229	Hybrid MnO ₂ /disordered mesoporous carbon nanocomposites: synthesis and characterization as electrochemical pseudocapacitor electrodes. <i>Journal of Materials Chemistry</i> , 2010 , 20, 390-398		73
228	Twin-Tailed Surfactants for Creating CO ₂ -in-Water Macroemulsions for Sweep Enhancement in CO ₂ -EOR 2010 ,		17

227	Nanorose and lipid detection in atherosclerotic plaque using dual-wavelength photothermal wave imaging 2010 ,		1
226	Stable Citrate-Coated Iron Oxide Superparamagnetic Nanoclusters at High Salinity. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 12435-12443	3.9	56
225	Controlled assembly of biodegradable plasmonic nanoclusters for near-infrared imaging and therapeutic applications. <i>ACS Nano</i> , 2010 , 4, 2178-84	16.7	149
224	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, 336-47	5.1	40
223	Templated open flocs of anisotropic particles for pulmonary delivery with pressurized metered dose inhalers. <i>Journal of Pharmaceutical Sciences</i> , 2010 , 99, 3150-65	3.9	19
222	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, 455-63	9.3	89
221	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, 194-9	9.3	20
220	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, 469-78	9.3	32
219	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, 225-32	9.3	50
218	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	4.2	39
217	Templated open flocs of nanorods for enhanced pulmonary delivery with pressurized metered dose inhalers. <i>Pharmaceutical Research</i> , 2009 , 26, 101-17	4.5	33
216	Colloids in supercritical fluids over the last 20 years and future directions. <i>Journal of Supercritical Fluids</i> , 2009 , 47, 523-530	4.2	86
215	Flocculation of polymer stabilized nanocrystal suspensions to produce redispersible powders. <i>Drug Development and Industrial Pharmacy</i> , 2009 , 35, 283-96	3.6	26
214	Highly supersaturated solutions from dissolution of amorphous itraconazole microparticles at pH 6.8. <i>Molecular Pharmaceutics</i> , 2009 , 6, 375-85	5.6	33
213	Highly Stable and Active Pt/Cu Oxygen Reduction Electrocatalysts Based on Mesoporous Graphitic Carbon Supports. <i>Chemistry of Materials</i> , 2009 , 21, 4515-4526	9.6	99
212	Small multifunctional nanoclusters (nanoroses) for targeted cellular imaging and therapy. <i>ACS Nano</i> , 2009 , 3, 2686-96	16.7	174
211	Highly supersaturated solutions of amorphous drugs approaching predictions from configurational thermodynamic properties. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 16675-81	3.4	40
210	Nebulization of nanoparticulate amorphous or crystalline tacrolimus--single-dose pharmacokinetics study in mice. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008 , 69, 1057-66	5.7	38

209	Stable Ordered FePt Mesoporous Silica Catalysts with High Loadings. <i>Chemistry of Materials</i> , 2008 , 20, 5005-5015	9.6	29
208	Stable colloidal dispersions of a lipase-perfluoropolyether complex in liquid and supercritical carbon dioxide. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 4760-9	3.4	12
207	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, 167-75	4.5	84
206	Formation of stable submicron protein particles by thin film freezing. <i>Pharmaceutical Research</i> , 2008 , 25, 1334-46	4.5	51
205	Flocculated amorphous nanoparticles for highly supersaturated solutions. <i>Pharmaceutical Research</i> , 2008 , 25, 2477-87	4.5	48
204	Synthesis of polystyrene/SiO ₂ composite microparticles by dispersion polymerization in supercritical fluid. <i>Colloid and Polymer Science</i> , 2008 , 286, 1343-1348	2.4	18
203	Amorphous cyclosporin nanodispersions for enhanced pulmonary deposition and dissolution. <i>Journal of Pharmaceutical Sciences</i> , 2008 , 97, 4915-33	3.9	55
202	High bioavailability from nebulized itraconazole nanoparticle dispersions with biocompatible stabilizers. <i>International Journal of Pharmaceutics</i> , 2008 , 361, 177-88	6.5	95
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40	Polymeric microspheres prepared by spraying into compressed carbon dioxide. <i>Pharmaceutical Research</i> , 1995 , 12, 1211-7	4.5	141
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35	Solubilization in nonionic reverse micelles in carbon dioxide. <i>AIChE Journal</i> , 1994 , 40, 543-555	3.6	123
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33	Ion Hydration in Supercritical Water. <i>Industrial & Engineering Chemistry Research</i> , 1994 , 33, 2819-2829	3.9	12
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