

Franz Grieser

List of Publications by Year in descending order

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267
papers

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13865

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272
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272
times ranked

10588
citing authors

#	ARTICLE	IF	CITATIONS
1	The adsorption of uranium (VI) onto colloidal TiO ₂ , SiO ₂ and carbon black. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 499, 156-162.	4.7	29
2	Sodium Atom Emission from Aqueous Surfactant Solutions Exposed to Ultrasound. Langmuir, 2016, 32, 12387-12393.	3.5	6
3	Formation of Amino Acids on the Sonolysis of Aqueous Solutions Containing Acetic Acid, Methane, or Carbon Dioxide, in the Presence of Nitrogen Gas. Journal of Physical Chemistry A, 2016, 120, 191-199.	2.5	12
4	Direct AFM force measurements between air bubbles in aqueous polydisperse sodium poly(styrene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Journal of Colloid and Interface Science, 2015, 449, 236-245.	9.4	21
5	Ultrasound in Heterogeneous Systems and Applications in Food Processing. , 2015, , 251-276.		3
6	Direct AFM force measurements between air bubbles in aqueous monodisperse sodium poly(styrene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	9.4	17
7	The hydrophobic force: measurements and methods. Physical Chemistry Chemical Physics, 2014, 16, 18065-18075.	2.8	79
8	Sonochemical synthesis of graphene oxide supported Pt-Pd alloy nanocrystals as efficient electrocatalysts for methanol oxidation. Journal of Solid State Electrochemistry, 2014, 18, 3163-3171.	2.5	27
9	Multibubble Sonoluminescence in Ethylene Glycol/Water Mixtures. Journal of Physical Chemistry B, 2014, 118, 337-343.	2.6	6
10	Non-linear and cyclical collisions between drops and bubbles: using AFM to understand droplet interactions in micro-scale flows. Soft Matter, 2013, 9, 2426.	2.7	10
11	Sonoluminescence quenching and cavitation bubble temperature measurements in an ionic liquid. Ultrasonics Sonochemistry, 2013, 20, 47-51.	8.2	16
12	Sonophotocatalytic degradation of paracetamol using TiO ₂ and Fe ³⁺ . Separation and Purification Technology, 2013, 103, 114-118.	7.9	73
13	On the Generation of the Hydrated Electron during the Sonolysis of Aqueous Solutions. Journal of Physical Chemistry A, 2013, 117, 2409-2414.	2.5	27
14	Measurement of the Hydrophobic Force in a Soft Matter System. Journal of Physical Chemistry Letters, 2013, 4, 3872-3877.	4.6	92
15	Free radical formation and scavenging by solutes in the sonolysis of aqueous solutions. Proceedings of Meetings on Acoustics, 2013, , .	0.3	4
16	Compound sessile drops. Soft Matter, 2012, 8, 11042.	2.7	83
17	Polymeric Stabilized Emulsions: Steric Effects and Deformation in Soft Systems. Langmuir, 2012, 28, 4599-4604.	3.5	41
18	Photocatalytic Generation of Hydrogen Using Sonoluminescence and Sonochemiluminescence. Journal of Physical Chemistry C, 2012, 116, 1056-1060.	3.1	20

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19	The Behavior of Acoustic Bubbles in Aqueous Solutions Containing Soluble Polymers. Journal of Physical Chemistry B, 2012, 116, 13806-13811.	2.6	8
20	Anomalous Pull-Off Forces between Surfactant-Free Emulsion Drops in Different Aqueous Electrolytes. Langmuir, 2012, 28, 4259-4266.	3.5	15
21	Dual-frequency ultrasound for designing two dimensional catalyst surface: Reduced graphene oxideâ€Pt composite. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 409, 81-87.	4.7	30
22	Reaction of Ferricyanide and Methyl Viologen with Free Radicals Produced by Ultrasound in Aqueous Solutions. Journal of Physical Chemistry A, 2012, 116, 7775-7782.	2.5	13
23	Measurement and analysis of forces in bubble and droplet systems using AFM. Journal of Colloid and Interface Science, 2012, 371, 1-14.	9.4	138
24	Structural forces in soft matter systems: unique flocculation pathways between deformable droplets. Soft Matter, 2011, 7, 11334.	2.7	35
25	Effect of Gold Oxide in Measurements of Colloidal Force. Langmuir, 2011, 27, 6026-6030.	3.5	39
26	Sonochemical polymerization of miniemulsions in organic liquids/water mixtures. Physical Chemistry Chemical Physics, 2011, 13, 4095.	2.8	24
27	Bubble Coalescence during Acoustic Cavitation in Aqueous Electrolyte Solutions. Langmuir, 2011, 27, 12025-12032.	3.5	66
28	Structural Forces in Soft Matter Systems. Journal of Physical Chemistry Letters, 2011, 2, 434-437.	4.6	43
29	Precision AFM Measurements of Dynamic Interactions between Deformable Drops in Aqueous Surfactant and Surfactant-Free Solutions. Langmuir, 2011, 27, 2676-2685.	3.5	53
30	Kinetics and Mechanism for the Sonophotocatalytic Degradation of <i>p</i> -Chlorobenzoic Acid. Journal of Physical Chemistry A, 2011, 115, 6582-6588.	2.5	39
31	Combined AFM~Confocal Microscopy of Oil Droplets: Absolute Separations and Forces in Nanofilms. Journal of Physical Chemistry Letters, 2011, 2, 961-965.	4.6	40
32	Homo- and hetero-interactions between air bubbles and oil droplets measured by atomic force microscopy. Soft Matter, 2011, 7, 8977.	2.7	46
33	Sonochemical Synthesis of Magnetic Janus Nanoparticles. Langmuir, 2011, 27, 30-33.	3.5	65
34	Anomalous Stability of Carbon Dioxide in pH~Controlled Bubble Coalescence. Angewandte Chemie - International Edition, 2011, 50, 3454-3456.	13.8	58
35	Sonochemical synthesis and characterisation of thermoresponsive microgel particles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 377, 342-348.	4.7	4
36	Sonophotocatalytic degradation of 4-chlorophenol using Bi2O3/TiZrO4 as a visible light responsive photocatalyst. Ultrasonics Sonochemistry, 2011, 18, 135-139.	8.2	73

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37	The mechanism of sonochemical degradation of a cationic surfactant in aqueous solution. Ultrasonics Sonochemistry, 2011, 18, 484-488.	8.2	23
38	The mechanism of sonophotocatalytic degradation of methyl orange and its products in aqueous solutions. Ultrasonics Sonochemistry, 2011, 18, 974-980.	8.2	103
39	Repulsive van der Waals Forces in Soft Matter: Why Bubbles Do Not Stick to Walls. Physical Review Letters, 2011, 106, 064501.	7.8	101
40	Degradation of formetanate hydrochloride by combined advanced oxidation processes. Separation and Purification Technology, 2010, 73, 409-414.	7.9	17
41	Degradation of acid red 88 by the combination of sonolysis and photocatalysis. Separation and Purification Technology, 2010, 74, 336-341.	7.9	101
42	Sonophotocatalytic degradation of monocrotophos using TiO ₂ and Fe ³⁺ . Journal of Hazardous Materials, 2010, 177, 944-949.	12.4	92
43	Combined advanced oxidation processes for the synergistic degradation of ibuprofen in aqueous environments. Journal of Hazardous Materials, 2010, 178, 202-208.	12.4	241
44	Degradation of orange-G by advanced oxidation processes. Ultrasonics Sonochemistry, 2010, 17, 338-343.	8.2	122
45	Sonochemical synthesis and characterization of gold-ruthenium bimetallic nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 356, 140-144.	4.7	36
46	Dynamic interactions between microbubbles in water. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 11177-11182.	7.1	179
47	Sonochemical Synthesis of ZnO Encapsulated Functional Nanolatex and its Anticorrosive Performance. Industrial & Engineering Chemistry Research, 2010, 49, 2200-2205.	3.7	42
48	Acoustic Bubble Sizes, Coalescence, and Sonochemical Activity in Aqueous Electrolyte Solutions Saturated with Different Gases. Langmuir, 2010, 26, 12690-12695.	3.5	67
49	Synthesis of Temperature Responsive Poly(<i>N</i> -isopropylacrylamide) Using Ultrasound Irradiation. Journal of Physical Chemistry B, 2010, 114, 3178-3184.	2.6	41
50	Lateral Hydrodynamic Interactions between an Emulsion Droplet and a Flat Surface Evaluated by Frictional Force Microscopy. Langmuir, 2010, 26, 8002-8007.	3.5	9
51	Viscosity Effects on Hydrodynamic Drainage Force Measurements Involving Deformable Bodies. Langmuir, 2010, 26, 11921-11927.	3.5	33
52	Sonolytic Design of Graphene~Au Nanocomposites. Simultaneous and Sequential Reduction of Graphene Oxide and Au(III). Journal of Physical Chemistry Letters, 2010, 1, 1987-1993.	4.6	197
53	Ultrasound assisted photocatalytic degradation of diclofenac in an aqueous environment. Chemosphere, 2010, 80, 747-752.	8.2	133
54	Ultrasound-Assisted Preparation of Semiconductor/Polymer Photoanodes and Their Photoelectrochemical Properties. Journal of Physical Chemistry C, 2010, 114, 5148-5153.	3.1	27

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55	Characterization of Acoustic Cavitation Bubbles in Different Sound Fields. Journal of Physical Chemistry B, 2010, 114, 11010-11016.	2.6	31
56	The Role of Salts in Acoustic Cavitation and the Use of Inorganic Complexes as Cavitation Probes. , 2010, , 357-379.		0
57	Kinetics of the sonophotocatalytic degradation of orange G in presence of Fe ³⁺ . Water Science and Technology, 2009, 60, 2195-2202.	2.5	13
58	Sonochemical degradation of martius yellow dye in aqueous solution. Ultrasonics Sonochemistry, 2009, 16, 28-34.	8.2	62
59	Sonoluminescence quenching in aqueous solutions of aliphatic diols and glycerol. Ultrasonics Sonochemistry, 2009, 16, 23-27.	8.2	9
60	Cavitation activation by dual-frequency ultrasound and shock waves. Physical Chemistry Chemical Physics, 2009, 11, 10029.	2.8	27
61	High Intensity Ultrasound Initiated Polymerization of Butyl Methacrylate in Mini- and Microemulsions. Macromolecules, 2009, 42, 4479-4483.	4.8	25
62	Kinetics and Mechanism for the Sonochemical Degradation of a Nonionic Surfactant. Journal of Physical Chemistry A, 2009, 113, 2865-2872.	2.5	30
63	Novel One-Pot Synthesis of Magnetite Latex Nanoparticles by Ultrasound Irradiation. Langmuir, 2009, 25, 2593-2595.	3.5	67
64	Silica nano-particle super-hydrophobic surfaces: the effects of surface morphology and trapped air pockets on hydrodynamic drainage forces. Faraday Discussions, 2009, 143, 151.	3.2	13
65	Effect of Power and Frequency on Bubble-Size Distributions in Acoustic Cavitation. Physical Review Letters, 2009, 102, 084302.	7.8	385
66	Simple and Efficient Sonochemical Method for the Oxidation of Arsenic(III) to Arsenic(V). Environmental Science & Technology, 2009, 43, 6793-6798.	10.0	69
67	Ultrasound initiated miniemulsion polymerization of methacrylate monomers. Ultrasonics Sonochemistry, 2008, 15, 89-94.	8.2	91
68	Sonoluminescence, sonochemistry (H ₂ O ₂ yield) and bubble dynamics: Frequency and power effects. Ultrasonics Sonochemistry, 2008, 15, 143-150.	8.2	246
69	Experimental and theoretical investigations on sonoluminescence under dual frequency conditions. Ultrasonics Sonochemistry, 2008, 15, 629-635.	8.2	67
70	Sonochemical Synthesis of Au@Ag Core@Shell Bimetallic Nanoparticles. Journal of Physical Chemistry C, 2008, 112, 15102-15105.	3.1	170
71	Hydrodynamic Boundary Conditions and Dynamic Forces between Bubbles and Surfaces. Physical Review Letters, 2008, 101, 024501.	7.8	98
72	Dynamic Forces between Bubbles and Surfaces and Hydrodynamic Boundary Conditions. Langmuir, 2008, 24, 11533-11543.	3.5	94

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73	Ultrasonic Synthesis of Stable, Functional Lysozyme Microbubbles. <i>Langmuir</i> , 2008, 24, 10078-10083.	3.5	147
74	Measurements of dynamic forces between drops with the AFM: novel considerations in comparisons between experiment and theory. <i>Soft Matter</i> , 2008, 4, 1270.	2.7	46
75	Microemulsion Polymerizations via High-Frequency Ultrasound Irradiation. <i>Journal of Physical Chemistry B</i> , 2008, 112, 5265-5267.	2.6	36
76	Dynamic Forces between a Moving Particle and a Deformable Drop. <i>Journal of Physical Chemistry C</i> , 2008, 112, 567-574.	3.1	37
77	Sonochemistry and Sonoluminescence under Simultaneous High- and Low-Frequency Irradiation. <i>Journal of Physical Chemistry C</i> , 2008, 112, 8343-8348.	3.1	27
78	Ultrasonic Nebulization in Aqueous Solutions and the Role of Interfacial Adsorption Dynamics in Surfactant Enrichment. <i>Langmuir</i> , 2008, 24, 10133-10137.	3.5	20
79	Sonochemistry and Sonoluminescence under Dual-Frequency Ultrasound Irradiation in the Presence of Water-Soluble Solutes. <i>Journal of Physical Chemistry C</i> , 2008, 112, 10247-10250.	3.1	41
80	Bubble Colloidal AFM Probes Formed from Ultrasonically Generated Bubbles. <i>Langmuir</i> , 2008, 24, 603-605.	3.5	61
81	Variations in properties of atomic force microscope cantilevers fashioned from the same wafer. <i>Nanotechnology</i> , 2008, 19, 105709.	2.6	13
82	Atomic force microscopy: Loading position dependence of cantilever spring constants and detector sensitivity. <i>Review of Scientific Instruments</i> , 2007, 78, 116102.	1.3	17
83	Acoustic Emission Spectra from 515 kHz Cavitation in Aqueous Solutions Containing Surface-Active Solutes. <i>Journal of the American Chemical Society</i> , 2007, 129, 2250-2258.	13.7	85
84	Estimation of Cavitation Bubble Temperatures in an Ionic Liquid. <i>Journal of Physical Chemistry C</i> , 2007, 111, 18461-18463.	3.1	17
85	The effect of surface active solutes on bubbles in an acoustic field. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 5631.	2.8	56
86	Effect of Water-Soluble Solutes on Sonoluminescence under Dual-Frequency Sonication. <i>Journal of Physical Chemistry C</i> , 2007, 111, 3066-3070.	3.1	37
87	Study of the Coalescence of Acoustic Bubbles as a Function of Frequency, Power, and Water-Soluble Additives. <i>Journal of the American Chemical Society</i> , 2007, 129, 6031-6036.	13.7	114
88	Anomalous pH Dependent Stability Behavior of Surfactant-Free Nonpolar Oil Drops in Aqueous Electrolyte Solutions. <i>Langmuir</i> , 2007, 23, 9335-9340.	3.5	44
89	Influence of Surface-Active Solutes on the Coalescence, Clustering, and Fragmentation of Acoustic Bubbles Confined in a Microspace. <i>Journal of Physical Chemistry C</i> , 2007, 111, 19015-19023.	3.1	42
90	Correlation between Na ⁺ Emission and "Chemically Active" Acoustic Cavitation Bubbles. <i>ChemPhysChem</i> , 2007, 8, 2331-2335.	2.1	59

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91	Bubbles in an acoustic field: An overview. <i>Ultrasonics Sonochemistry</i> , 2007, 14, 470-475.	8.2	280
92	Sonochemically Prepared Platinum~ Ruthenium Bimetallic Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2006, 110, 3849-3852.	2.6	99
93	Determination of Temperatures within Acoustically Generated Bubbles in Aqueous Solutions at Different Ultrasound Frequencies. <i>Journal of Physical Chemistry B</i> , 2006, 110, 13656-13660.	2.6	119
94	Effect of Alcohols on the Initial Growth of Multibubble Sonoluminescence. <i>Journal of Physical Chemistry B</i> , 2006, 110, 17282-17285.	2.6	26
95	Limitations of the Methyl Radical Recombination Method for Acoustic Cavitation Bubble Temperature Measurements in Aqueous Solutions. <i>Journal of Physical Chemistry B</i> , 2006, 110, 9779-9781.	2.6	25
96	Dynamic Forces Between Two Deformable Oil Droplets in Water. <i>Science</i> , 2006, 313, 210-213.	12.6	234
97	Effect of Surfactants on the Kinetics of Nickel(II) Extraction by 2-Hydroxy-5-nonylacetophenone Oxime (LIX 84) in ann-Heptane/Water System. <i>Langmuir</i> , 2006, 22, 213-218.	3.5	7
98	Sonochemical synthesis of ruthenium nanoparticles. <i>Research on Chemical Intermediates</i> , 2006, 32, 709-715.	2.7	40
99	Controlled Growth of Sonochemically Synthesized Gold Seed Particles in Aqueous Solutions Containing Surfactants. <i>Australian Journal of Chemistry</i> , 2005, 58, 667.	0.9	11
100	The optimisation of ultrasonic cleaning procedures for dairy fouled ultrafiltration membranes. <i>Ultrasonics Sonochemistry</i> , 2005, 12, 29-35.	8.2	150
101	Estimation of ultrasound induced cavitation bubble temperatures in aqueous solutions. <i>Ultrasonics Sonochemistry</i> , 2005, 12, 325-329.	8.2	226
102	Interaction forces between oil~ water particle interfaces~ Non-DLVO forces. <i>Faraday Discussions</i> , 2005, 129, 111-124.	3.2	43
103	The Influence of Acoustic Power on Multibubble Sonoluminescence in Aqueous Solution Containing Organic Solutes. <i>Journal of Physical Chemistry B</i> , 2005, 109, 20044-20050.	2.6	50
104	An Experimental and Theoretical Study of Competitive Adsorption at then-Heptane/Water Interface. <i>Langmuir</i> , 2005, 21, 2822-2826.	3.5	8
105	A Comparison between Multibubble Sonoluminescence Intensity and the Temperature within Cavitation Bubbles. <i>Journal of the American Chemical Society</i> , 2005, 127, 5326-5327.	13.7	106
106	Sonochemical Synthesis of Gold Nanoparticles:~ Effects of Ultrasound Frequency. <i>Journal of Physical Chemistry B</i> , 2005, 109, 20673-20675.	2.6	321
107	Acoustic Emission from Cavitating Solutions:~ Implications for the Mechanisms of Sonochemical Reactions. <i>Journal of Physical Chemistry B</i> , 2005, 109, 17799-17801.	2.6	53
108	Determination of the Size Distribution of Sonoluminescence Bubbles in a Pulsed Acoustic Field. <i>Journal of the American Chemical Society</i> , 2005, 127, 16810-16811.	13.7	169

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109	Miniemulsion Copolymerization of Methyl Methacrylate and Butyl Acrylate by Ultrasonic Initiation. <i>Macromolecules</i> , 2005, 38, 6346-6351.	4.8	53
110	Proton Transfer between Organic Acids and Bases at the Acoustic Bubble-Aqueous Solution Interface. <i>Journal of Physical Chemistry B</i> , 2005, 109, 19356-19359.	2.6	6
111	The mechanism of the sonochemical degradation of benzoic acid in aqueous solutions. <i>Research on Chemical Intermediates</i> , 2004, 30, 723-733.	2.7	67
112	Single Bubble Sonoluminescence—A Chemist's Overview. <i>ChemPhysChem</i> , 2004, 5, 439-448.	2.1	48
113	Forces between two oil drops in aqueous solution measured by AFM. <i>Journal of Colloid and Interface Science</i> , 2004, 273, 339-342.	9.4	112
114	Kinetics and the effect of electrostatic surface potential on nickel(II) extraction by 2-hydroxy-5-nonylacetophenone oxime (LIX 84) in a micellar phase. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004, 243, 127-132.	4.7	7
115	Dynamics of the Interaction Forces at the Silver/Solution Interface during Amine Adsorption. <i>Langmuir</i> , 2004, 20, 6742-6747.	3.5	20
116	Sonoluminescence Quenching of Organic Compounds in Aqueous Solution: A Frequency Effects and Implications for Sonochemistry. <i>Journal of the American Chemical Society</i> , 2004, 126, 2755-2762.	13.7	77
117	PAA/PEO comb polymer effects on rheological properties and interparticle forces in aqueous silica suspensions. <i>Journal of Colloid and Interface Science</i> , 2003, 262, 274-281.	9.4	76
118	The effects of microgravity on nanoparticle size distributions generated by the ultrasonic reduction of an aqueous gold-chloride solution. <i>Ultrasonics Sonochemistry</i> , 2003, 10, 285-289.	8.2	26
119	Characterisation of nickel(II) extraction by 2-hydroxy-5-nonylacetophenone oxime (LIX 84) in a micellar phase. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 227, 49-61.	4.7	16
120	Sonoluminescence Emission from Aqueous Solutions of Organic Monomers. <i>Journal of Physical Chemistry B</i> , 2003, 107, 14124-14129.	2.6	13
121	Forces between a Rigid Probe Particle and a Liquid Interface: A Comparison between Experiment and Theory. <i>Langmuir</i> , 2003, 19, 2124-2133.	3.5	51
122	Multibubble Sonoluminescence from Aqueous Solutions Containing Mixtures of Surface Active Solutes. <i>Journal of Physical Chemistry B</i> , 2003, 107, 7307-7311.	2.6	38
123	Sonochemical Production of Fluorescent and Phosphorescent Latex Particles. <i>Journal of the American Chemical Society</i> , 2003, 125, 525-529.	13.7	69
124	Sonochemical Degradation of Sodium Dodecylbenzene Sulfonate in Aqueous Solutions. <i>Australian Journal of Chemistry</i> , 2003, 56, 1045.	0.9	37
125	Effect of surfactants, polymers, and alcohol on single bubble dynamics and sonoluminescence. <i>Physical Review E</i> , 2002, 65, 046310.	2.1	43
126	Chiral Glucose-Derived Surfactants: The Effect of Stereochemistry on Thermotropic and Lyotropic Phase Behavior. <i>Langmuir</i> , 2002, 18, 597-601.	3.5	23

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127	Sonochemical Formation of Gold Sols. Langmuir, 2002, 18, 7831-7836.	3.5	156
128	Comparison of the Effects of Water-Soluble Solutes on Multibubble Sonoluminescence Generated in Aqueous Solutions by 20- and 515-kHz Pulsed Ultrasound. Journal of Physical Chemistry B, 2002, 106, 11064-11068.	2.6	91
129	Sonoluminescence quenching by organic acids in aqueous solution: pH and frequency effects. Chemical Communications, 2002, , 1740-1741.	4.1	24
130	Emulsion Polymerization Synthesis of Cationic Polymer Latex in an Ultrasonic Field. Journal of Colloid and Interface Science, 2002, 251, 78-84.	9.4	73
131	Sonochemical Degradation of a Polydisperse Nonylphenol Ethoxylate in Aqueous Solution. Journal of Physical Chemistry B, 2001, 105, 3338-3342.	2.6	64
132	Alkyl Chain Positional Isomers of Dodecyl β -D-Glucoside: A Thermotropic and Lyotropic Phase Behavior and Detergency. Langmuir, 2001, 17, 6100-6107.	3.5	34
133	Hydrodynamic and Electrokinetic Properties of Decane Droplets in Aqueous Sodium Dodecyl Sulfate Solutions. Langmuir, 2001, 17, 7210-7218.	3.5	54
134	AOT reverse microemulsions in scCO ₂ – a further investigation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2001, 189, 177-181.	4.7	31
135	The Adsorption of Dodecyltrimethylammonium Bromide on Mica in Aqueous Solution Studied by X-Ray Diffraction and Atomic Force Microscopy. Journal of Colloid and Interface Science, 2001, 235, 350-357.	9.4	21
136	The effect of surface active solutes on bubbles exposed to ultrasound. Advances in Colloid and Interface Science, 2001, 89-90, 423-438.	14.7	51
137	Preparation of Q-state particles in Langmuir-Blodgett films. Advances in Colloid and Interface Science, 2001, 91, 113-158.	14.7	24
138	INTERFACIAL ASPECTS OF METAL ION EXTRACTION IN LIQUID-LIQUID SYSTEMS. Reviews in Chemical Engineering, 2001, 17, .	4.4	21
139	Synthesis and electronic properties of semiconductor nanoparticles/quantum dots. Current Opinion in Colloid and Interface Science, 2000, 5, 168-172.	7.4	142
140	Sonochemical formation of colloidal platinum. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2000, 169, 219-225.	4.7	64
141	Ultrafast dynamics of fluorescence-activated CdS nanoparticles in aqueous solutions by femtosecond transient bleaching spectroscopy. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2000, 169, 233-239.	4.7	10
142	Sugar fatty acid ester surfactants: Structure and ultimate aerobic biodegradability. Journal of Surfactants and Detergents, 2000, 3, 1-11.	2.1	89
143	Sugar fatty acid ester surfactants: Biodegradation pathways. Journal of Surfactants and Detergents, 2000, 3, 13-27.	2.1	24
144	Sugar fatty acid ester surfactants: Base-catalyzed hydrolysis. Journal of Surfactants and Detergents, 2000, 3, 29-32.	2.1	15

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145	Single-Bubble Sonophotoluminescence. Journal of the American Chemical Society, 2000, 122, 12001-12002.	13.7	24
146	Effect of Solutes on Single-Bubble Sonoluminescence in Water. Journal of Physical Chemistry A, 2000, 104, 8462-8465.	2.5	85
147	Sonoluminescence Quenching in Aqueous Solutions Containing Weak Organic Acids and Bases and Its Relevance to Sonochemistry. Journal of Physical Chemistry B, 2000, 104, 6447-6451.	2.6	31
148	How Chain Length, Headgroup Polymerization, and Anomeric Configuration Govern the Thermotropic and Lyotropic Liquid Crystalline Phase Behavior and the Airâ€”Water Interfacial Adsorption of Glucose-Based Surfactants. Langmuir, 2000, 16, 7359-7367.	3.5	153
149	Formation of CdS and HgS nanoparticles in LB films. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1999, 155, 101-110.	4.7	35
150	Ultrafast dynamics of transient bleaching of surface modified cadmium sulphide nano-particles in Nafion films. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1999, 146, 265-272.	4.7	7
151	Investigation of AOT reverse microemulsions in supercritical carbon dioxide. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1999, 146, 227-241.	4.7	55
152	Multibubble sonoluminescence in aqueous salt solutions. Ultrasonics Sonochemistry, 1999, 6, 7-14.	8.2	57
153	Sonophotoluminescence from aqueous and non-aqueous solutions. Ultrasonics Sonochemistry, 1999, 6, 1-5.	8.2	29
154	ULTRASOUND ASSISTED CHEMICAL PROCESSES. Reviews in Chemical Engineering, 1999, 15, .	4.4	121
155	Surface Forces and Deformation at the Oilâ€”Water Interface Probed Using AFM Force Measurement. Langmuir, 1999, 15, 7282-7289.	3.5	109
156	Sonochemistry and Sonoluminescence in Aqueous AuCl ₄ ⁻ Solutions in the Presence of Surface-Active Solutes. Journal of Physical Chemistry B, 1999, 103, 9231-9236.	2.6	55
157	The Effect of pH on Multibubble Sonoluminescence from Aqueous Solutions Containing Simple Organic Weak Acids and Bases. Journal of the American Chemical Society, 1999, 121, 7355-7359.	13.7	85
158	Steady-State Radiolysis Study of the Reductive Dissolution of Ultrasmall Colloidal CuS. Langmuir, 1999, 15, 6637-6642.	3.5	25
159	Fabrication of nano-sized particles of metallic copper and copper sulfide in Langmuirâ€”Blodgett films. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1998, 141, 9-17.	4.7	11
160	A KINETIC STUDY OF NICKEL ION EXTRACTION BY KELEX 100 AT THE LIQUID-LIQUID INTERFACE. Solvent Extraction and Ion Exchange, 1998, 16, 619-636.	2.0	11
161	Sonophotoluminescence: pyranine emission induced by ultrasound. Chemical Communications, 1998, , 561-562.	4.1	23
162	Directional Guidance of Nicotiana glauca Pollen Tubes in Vitro and on the Stigma. Plant Physiology, 1998, 118, 733-741.	4.8	85

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163	A Kinetic Study of Copper Ion Extraction by P50 at the Oil-Water Interface.. Analytical Sciences, 1998, 14, 225-229.	1.6	7
164	Ultrafast photoresponses of CdS nanoparticles in self-assembled films.. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 1998, 11, 73-76.	0.3	3
165	<title>Ultrafast transient bleaching of CdS nanoparticles in various media</title>. , 1998, 3469, 174.		3
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