

# Franz Grieser

## List of Publications by Year in descending order

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267  
papers

15,304  
citations

13865

67  
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24982

109  
g-index

272  
all docs

272  
docs citations

272  
times ranked

10588  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic and static aspects of solubilization of neutral arenes in ionic micellar solutions. Journal of the American Chemical Society, 1979, 101, 279-291.	13.7	658
2	Effect of Power and Frequency on Bubble-Size Distributions in Acoustic Cavitation. Physical Review Letters, 2009, 102, 084302.	7.8	385
3	Sonochemical Synthesis of Gold Nanoparticles: Effects of Ultrasound Frequency. Journal of Physical Chemistry B, 2005, 109, 20673-20675.	2.6	321
4	Electrokinetics of the silica-solution interface: a flat plate streaming potential study. Langmuir, 1992, 8, 965-974.	3.5	299
5	The physicochemical properties of self-assembled surfactant aggregates as determined by some molecular spectroscopic probe techniques. The Journal of Physical Chemistry, 1988, 92, 5580-5593.	2.9	292
6	Bubbles in an acoustic field: An overview. Ultrasonics Sonochemistry, 2007, 14, 470-475.	8.2	280
7	Sonoluminescence, sonochemistry (H <sub>2</sub> O <sub>2</sub> yield) and bubble dynamics: Frequency and power effects. Ultrasonics Sonochemistry, 2008, 15, 143-150.	8.2	246
8	Combined advanced oxidation processes for the synergistic degradation of ibuprofen in aqueous environments. Journal of Hazardous Materials, 2010, 178, 202-208.	12.4	241
9	Dynamic Forces Between Two Deformable Oil Droplets in Water. Science, 2006, 313, 210-213.	12.6	234
10	Direct force measurements between titanium dioxide surfaces. Journal of the American Chemical Society, 1993, 115, 11885-11890.	13.7	226
11	Estimation of ultrasound induced cavitation bubble temperatures in aqueous solutions. Ultrasonics Sonochemistry, 2005, 12, 325-329.	8.2	226
12	The characterization of ag sols by electron microscopy, optical absorption, and electrophoresis. Journal of Colloid and Interface Science, 1983, 93, 545-555.	9.4	200
13	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
14	Sonoluminescence from Aqueous Alcohol and Surfactant Solutions. Journal of Physical Chemistry B, 1997, 101, 10845-10850.	2.6	183
15	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
16	Electrokinetics of the muscovite mica-aqueous solution interface. Langmuir, 1990, 6, 582-589.	3.5	174
17	Sonochemical Synthesis of Au~Ag Core~Shell Bimetallic Nanoparticles. Journal of Physical Chemistry C, 2008, 112, 15102-15105.	3.1	170
18	Determination of the Size Distribution of Sonoluminescence Bubbles in a Pulsed Acoustic Field. Journal of the American Chemical Society, 2005, 127, 16810-16811.	13.7	169

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19	Sonochemical Formation of Gold Sols. Langmuir, 2002, 18, 7831-7836.	3.5	156
20	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
21	The optimisation of ultrasonic cleaning procedures for dairy fouled ultrafiltration membranes. Ultrasonics Sonochemistry, 2005, 12, 29-35.	8.2	150
22	Surface properties and micellar interfacial microenvironment of n-dodecyl .beta.-D-maltoside. The Journal of Physical Chemistry, 1985, 89, 2103-2109.	2.9	147
23	Ultrasonic Synthesis of Stable, Functional Lysozyme Microbubbles. Langmuir, 2008, 24, 10078-10083.	3.5	147
24	Synthesis and electronic properties of semiconductor nanoparticles/quantum dots. Current Opinion in Colloid and Interface Science, 2000, 5, 168-172.	7.4	142
25	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
26	A single spectroscopic probe for the determination of both the interfacial solvent properties and electrostatic surface potential of model lipid membranes. Faraday Discussions of the Chemical Society, 1986, 81, 95.	2.2	137
27	Ultrasound assisted photocatalytic degradation of diclofenac in an aqueous environment. Chemosphere, 2010, 80, 747-752.	8.2	133
28	Spectroscopic studies on copper sulfide sols. Langmuir, 1991, 7, 2917-2922.	3.5	124
29	Degradation of orange-G by advanced oxidation processes. Ultrasonics Sonochemistry, 2010, 17, 338-343.	8.2	122
30	ULTRASOUND ASSISTED CHEMICAL PROCESSES. Reviews in Chemical Engineering, 1999, 15, .	4.4	121
31	Determination of Temperatures within Acoustically Generated Bubbles in Aqueous Solutions at Different Ultrasound Frequencies. Journal of Physical Chemistry B, 2006, 110, 13656-13660.	2.6	119
32	Study of the Coalescence of Acoustic Bubbles as a Function of Frequency, Power, and Water-Soluble Additives. Journal of the American Chemical Society, 2007, 129, 6031-6036.	13.7	114
33	Forces between two oil drops in aqueous solution measured by AFM. Journal of Colloid and Interface Science, 2004, 273, 339-342.	9.4	112
34	Surface Forces and Deformation at the Oilâ€”Water Interface Probed Using AFM Force Measurement. Langmuir, 1999, 15, 7282-7289.	3.5	109
35	A Comparison between Multibubble Sonoluminescence Intensity and the Temperature within Cavitation Bubbles. Journal of the American Chemical Society, 2005, 127, 5326-5327.	13.7	106
36	The mechanism of sonophotocatalytic degradation of methyl orange and its products in aqueous solutions. Ultrasonics Sonochemistry, 2011, 18, 974-980.	8.2	103

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37	Degradation of acid red 88 by the combination of sonolysis and photocatalysis. Separation and Purification Technology, 2010, 74, 336-341.	7.9	101
38	Repulsive van der Waals Forces in Soft Matter: Why Bubbles Do Not Stick to Walls. Physical Review Letters, 2011, 106, 064501.	7.8	101
39	Acid-base equilibria in aqueous micellar solutions. Part 1. Simple weak acids and bases. Journal of the Chemical Society Faraday Transactions I, 1989, 85, 521.	1.0	100
40	Sonochemically Prepared Platinum-Ruthenium Bimetallic Nanoparticles. Journal of Physical Chemistry B, 2006, 110, 3849-3852.	2.6	99
41	Hydrodynamic Boundary Conditions and Dynamic Forces between Bubbles and Surfaces. Physical Review Letters, 2008, 101, 024501.	7.8	98
42	Preparation of Polystyrene Latex with Ultrasonic Initiation. Macromolecules, 1995, 28, 4877-4882.	4.8	96
43	Dynamic Forces between Bubbles and Surfaces and Hydrodynamic Boundary Conditions. Langmuir, 2008, 24, 11533-11543.	3.5	94
44	Sonophotocatalytic degradation of monocrotophos using TiO <sub>2</sub> and Fe <sup>3+</sup> . Journal of Hazardous Materials, 2010, 177, 944-949.	12.4	92
45	Measurement of the Hydrophobic Force in a Soft Matter System. Journal of Physical Chemistry Letters, 2013, 4, 3872-3877.	4.6	92
46	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
47	Ultrasound initiated miniemulsion polymerization of methacrylate monomers. Ultrasonics Sonochemistry, 2008, 15, 89-94.	8.2	91
48	Sugar fatty acid ester surfactants: Structure and ultimate aerobic biodegradability. Journal of Surfactants and Detergents, 2000, 3, 1-11.	2.1	89
49	Formation of gold sols using ultrasound. Journal of the Chemical Society Chemical Communications, 1993, , 378.	2.0	87
50	Directional Guidance of Nicotiana glauca Pollen Tubes in Vitro and on the Stigma. Plant Physiology, 1998, 118, 733-741.	4.8	85
51	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
52	Effect of Solutes on Single-Bubble Sonoluminescence in Water. Journal of Physical Chemistry A, 2000, 104, 8462-8465.	2.5	85
53	Acoustic Emission Spectra from 515 kHz Cavitation in Aqueous Solutions Containing Surface-Active Solutes. Journal of the American Chemical Society, 2007, 129, 2250-2258.	13.7	85
54	Compound sessile drops. Soft Matter, 2012, 8, 11042.	2.7	83

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55	Sonochemical dissolution of MnO <sub>2</sub> colloids. Journal of the Chemical Society, Faraday Transactions, 1995, 91, 2843.	1.7	82
56	The hydrophobic force: measurements and methods. Physical Chemistry Chemical Physics, 2014, 16, 18065-18075.	2.8	79
57	Surface potential measurements in pentanol- <sup>+</sup> sodium dodecyl sulphate micelles. Journal of the Chemical Society Faraday Transactions I, 1987, 83, 591.	1.0	78
58	An ellipsometric study of thin films on silica plates formed by alkylchlorosilylation reagents. Journal of Colloid and Interface Science, 1992, 148, 182-189.	9.4	77
59	Sonoluminescence Quenching of Organic Compounds in Aqueous Solution: A Frequency Effects and Implications for Sonochemistry. Journal of the American Chemical Society, 2004, 126, 2755-2762.	13.7	77
60	Interfacial properties of a novel group of solvatochromic acid-base indicators in self-assembled surfactant aggregates. The Journal of Physical Chemistry, 1988, 92, 2604-2613.	2.9	76
61	PAA/PEO comb polymer effects on rheological properties and interparticle forces in aqueous silica suspensions. Journal of Colloid and Interface Science, 2003, 262, 274-281.	9.4	76
62	Emulsion Polymerization Synthesis of Cationic Polymer Latex in an Ultrasonic Field. Journal of Colloid and Interface Science, 2002, 251, 78-84.	9.4	73
63	Sonophotocatalytic degradation of 4-chlorophenol using Bi <sub>2</sub> O <sub>3</sub> /TiZrO <sub>4</sub> as a visible light responsive photocatalyst. Ultrasonics Sonochemistry, 2011, 18, 135-139.	8.2	73
64	Sonophotocatalytic degradation of paracetamol using TiO <sub>2</sub> and Fe <sup>3+</sup> . Separation and Purification Technology, 2013, 103, 114-118.	7.9	73
65	Sonochemical Production of Fluorescent and Phosphorescent Latex Particles. Journal of the American Chemical Society, 2003, 125, 525-529.	13.7	69
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	Determination of micelle size and polydispersity by fluorescence quenching. Theory and numerical results. Journal of the Chemical Society Faraday Transactions I, 1986, 82, 1813.	1.0	68
68	Size-quantised semiconductor cadmium chalcogenide particles in Langmuir-Blodgett films. Journal of the Chemical Society, Faraday Transactions, 1992, 88, 2207-2214.	1.7	68
69	Photoelectrochemical properties of <sup>-</sup> Q-state <sup>TM</sup> CdS particles in arachidic acid Langmuir-Blodgett films. Journal of the Chemical Society, Faraday Transactions, 1995, 91, 665-672.	1.7	68
70	The mechanism of the sonochemical degradation of benzoic acid in aqueous solutions. Research on Chemical Intermediates, 2004, 30, 723-733.	2.7	67
71	Experimental and theoretical investigations on sonoluminescence under dual frequency conditions. Ultrasonics Sonochemistry, 2008, 15, 629-635.	8.2	67
72	Novel One-Pot Synthesis of Magnetite Latex Nanoparticles by Ultrasound Irradiation. Langmuir, 2009, 25, 2593-2595.	3.5	67

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73	Acoustic Bubble Sizes, Coalescence, and Sonochemical Activity in Aqueous Electrolyte Solutions Saturated with Different Gases. <i>Langmuir</i> , 2010, 26, 12690-12695.	3.5	67
74	Ultrasound-induced formation and dissolution of colloidal CdS. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1997, 93, 1791-1795.	1.7	66
75	Bubble Coalescence during Acoustic Cavitation in Aqueous Electrolyte Solutions. <i>Langmuir</i> , 2011, 27, 12025-12032.	3.5	66
76	Sonochemical Synthesis of Magnetic Janus Nanoparticles. <i>Langmuir</i> , 2011, 27, 30-33.	3.5	65
77	Photochemical and photophysical studies of organized assemblies. Interaction of oils, long-chain alcohols, and surfactants forming microemulsions. <i>Journal of the American Chemical Society</i> , 1980, 102, 3188-3193.	13.7	64
78	Sonochemical formation of colloidal platinum. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2000, 169, 219-225.	4.7	64
79	Sonochemical Degradation of a Polydisperse Nonylphenol Ethoxylate in Aqueous Solution. <i>Journal of Physical Chemistry B</i> , 2001, 105, 3338-3342.	2.6	64
80	Sonochemical degradation of martius yellow dye in aqueous solution. <i>Ultrasonics Sonochemistry</i> , 2009, 16, 28-34.	8.2	62
81	Analysis of the visible absorption and SERS excitation spectra of silver sols. <i>Journal of Chemical Physics</i> , 1987, 87, 3213-3217.	3.0	61
82	Bubble Colloidal AFM Probes Formed from Ultrasonically Generated Bubbles. <i>Langmuir</i> , 2008, 24, 603-605.	3.5	61
83	Correlation between Na <sup>+</sup> Emission and "Chemically Active" Acoustic Cavitation Bubbles. <i>ChemPhysChem</i> , 2007, 8, 2331-2335.	2.1	59
84	Anomalous Stability of Carbon Dioxide in pH-Controlled Bubble Coalescence. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3454-3456.	13.8	58
85	Quenching of pyrene fluorescence by single and multivalent metal ions in micellar solutions. <i>Journal of the American Chemical Society</i> , 1980, 102, 7258-7264.	13.7	57
86	Determination of micelle size and polydispersity by fluorescence quenching. Experimental results. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1986, 82, 1829.	1.0	57
87	Multibubble sonoluminescence in aqueous salt solutions. <i>Ultrasonics Sonochemistry</i> , 1999, 6, 7-14.	8.2	57
88	The effect of surface active solutes on bubbles in an acoustic field. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 5631.	2.8	56
89	Investigation of AOT reverse microemulsions in supercritical carbon dioxide. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999, 146, 227-241.	4.7	55
90	Sonochemistry and Sonoluminescence in Aqueous AuCl <sub>4</sub> <sup>-</sup> Solutions in the Presence of Surface-Active Solutes. <i>Journal of Physical Chemistry B</i> , 1999, 103, 9231-9236.	2.6	55

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91	Hydrodynamic and Electrokinetic Properties of Decane Droplets in Aqueous Sodium Dodecyl Sulfate Solutions. <i>Langmuir</i> , 2001, 17, 7210-7218.	3.5	54
92	Rate of exchange of surfactant monomer radicals and long chain alcohols between micelles and aqueous solutions. A pulse radiolysis study. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1979, 75, 1674.	1.0	53
93	Butyl Acrylate/Vinyl Acetate Copolymer Latex Synthesis Using Ultrasound As an Initiator. <i>Journal of Colloid and Interface Science</i> , 1996, 184, 52-63.	9.4	53
94	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
95	Miniemulsion Copolymerization of Methyl Methacrylate and Butyl Acrylate by Ultrasonic Initiation. <i>Macromolecules</i> , 2005, 38, 6346-6351.	4.8	53
96	Precision AFM Measurements of Dynamic Interactions between Deformable Drops in Aqueous Surfactant and Surfactant-Free Solutions. <i>Langmuir</i> , 2011, 27, 2676-2685.	3.5	53
97	ET(30) as a probe for the interfacial microenvironment of water-in-oil microemulsions. <i>Journal of Colloid and Interface Science</i> , 1989, 128, 602-604.	9.4	52
98	The effect of surface active solutes on bubbles exposed to ultrasound. <i>Advances in Colloid and Interface Science</i> , 2001, 89-90, 423-438.	14.7	51
99	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
100	Acid-base equilibria in aqueous micellar solutions. Part 3. Azine derivatives. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1989, 85, 551.	1.0	50
101	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
102	Single Bubble Sonoluminescence—A Chemist's Overview. <i>ChemPhysChem</i> , 2004, 5, 439-448.	2.1	48
103	Lipoidal eosin and fluorescein derivatives as probes of the electrostatic characteristics of self-assembled surfactant/water interfaces. <i>The Journal of Physical Chemistry</i> , 1989, 93, 7464-7473.	2.9	47
104	Acid-base equilibria in aqueous micellar solutions. Part 4. Azo indicators. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1989, 85, 561.	1.0	46
105	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
106	Homo- and hetero-interactions between air bubbles and oil droplets measured by atomic force microscopy. <i>Soft Matter</i> , 2011, 7, 8977.	2.7	46
107	Nitrite quenching of terbium luminescence in sodium dodecyl sulfate solutions. <i>The Journal of Physical Chemistry</i> , 1981, 85, 928-932.	2.9	44
108	The kinetics of electrolyte induced aggregation of Carey Lea Silver colloids. <i>Journal of Colloid and Interface Science</i> , 1991, 141, 168-179.	9.4	44

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109	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
110	Acid–base equilibria in aqueous micellar solutions. Part 2. – Sulphonephthalein indicators. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1989, 85, 537.	1.0	43
111	Atomic Force Microscopy Imaging of Thin Films Formed by Hydrophobing Reagents. <i>Journal of Colloid and Interface Science</i> , 1994, 165, 425-430.	9.4	43
112	Studies of the Formation and Growth of Q-State Cadmium Selenide Particles in Cadmium Arachidate Langmuir-Blodgett Films. <i>Langmuir</i> , 1995, 11, 1127-1133.	3.5	43
113	Effect of surfactants, polymers, and alcohol on single bubble dynamics and sonoluminescence. <i>Physical Review E</i> , 2002, 65, 046310.	2.1	43
114	Interaction forces between oil–water particle interfaces – Non-DLVO forces. <i>Faraday Discussions</i> , 2005, 129, 111-124.	3.2	43
115	Structural Forces in Soft Matter Systems. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 434-437.	4.6	43
116	Fast excited state formation and decay in the pulse radiolysis of gaseous argon–iodine systems. <i>Journal of Chemical Physics</i> , 1976, 64, 4587-4591.	3.0	42
117	Electrostatic surface potential and critical micelle concentration relationship for ionic micelles. <i>Langmuir</i> , 1990, 6, 506-508.	3.5	42
118	Sonochemical reduction processes in aqueous colloidal systems. <i>Ultrasonics</i> , 1996, 34, 547-550.	3.9	42
119	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
120	Sonochemical Synthesis of ZnO Encapsulated Functional Nanolatex and its Anticorrosive Performance. <i>Industrial &amp; Engineering Chemistry Research</i> , 2010, 49, 2200-2205.	3.7	42
121	ABSORPTION SPECTRA AND ACID-BASE DISSOCIATION OF THE 4-ALKYL DERIVATIVES OF 7-HYDROXYCOUMARIN IN SELF-ASSEMBLED SURFACTANT SOLUTION: COMMENTS ON THEIR USE AS ELECTROSTATIC SURFACE POTENTIAL PROBES. <i>Photochemistry and Photobiology</i> , 1987, 45, 19-34.	2.5	41
122	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
123	Synthesis of Temperature Responsive Poly( <i>N</i> -isopropylacrylamide) Using Ultrasound Irradiation. <i>Journal of Physical Chemistry B</i> , 2010, 114, 3178-3184.	2.6	41
124	Polymeric Stabilized Emulsions: Steric Effects and Deformation in Soft Systems. <i>Langmuir</i> , 2012, 28, 4599-4604.	3.5	41
125	Quartz crystal microbalance and UV-vis absorption study of Q-State CdS particle formation in cadmium arachidate Langmuir-Blodgett films. <i>Langmuir</i> , 1994, 10, 899-904.	3.5	40
126	Monitoring chemical reactions at the gold/solution interface using atomic force microscopy. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1997, 93, 4017-4020.	1.7	40



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127	Sonochemical synthesis of ruthenium nanoparticles. Research on Chemical Intermediates, 2006, 32, 709-715.	2.7	40
128	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
129	Effect of Gold Oxide in Measurements of Colloidal Force. Langmuir, 2011, 27, 6026-6030.	3.5	39
130	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
131	Surface-enhanced raman scattering from amphiphilic and polymer molecules on silver and gold sols. Chemical Physics Letters, 1983, 95, 154-158.	2.6	38
132	An attenuated total internal reflectance spectroscopy study of ET(30) at the free oil-water interface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1995, 95, 185-192.	4.7	38
133	Multibubble Sonoluminescence from Aqueous Solutions Containing Mixtures of Surface Active Solutes. Journal of Physical Chemistry B, 2003, 107, 7307-7311.	2.6	38
134	Sonochemical Degradation of Sodium Dodecylbenzene Sulfonate in Aqueous Solutions. Australian Journal of Chemistry, 2003, 56, 1045.	0.9	37
135	Effect of Water-Soluble Solutes on Sonoluminescence under Dual-Frequency Sonication. Journal of Physical Chemistry C, 2007, 111, 3066-3070.	3.1	37
136	Dynamic Forces between a Moving Particle and a Deformable Drop. Journal of Physical Chemistry C, 2008, 112, 567-574.	3.1	37
137	Surface potential measurements in mixed micelle systems. The Journal of Physical Chemistry, 1994, 98, 274-278.	2.9	36
138	Microemulsion Polymerizations via High-Frequency Ultrasound Irradiation. Journal of Physical Chemistry B, 2008, 112, 5265-5267.	2.6	36
139	Sonochemical synthesis and characterization of gold~ruthenium bimetallic nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 356, 140-144.	4.7	36
140	Formation of CdS and HgS nanoparticles in LB films. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1999, 155, 101-110.	4.7	35
141	Structural forces in soft matter systems: unique flocculation pathways between deformable droplets. Soft Matter, 2011, 7, 11334.	2.7	35
142	Alkyl Chain Positional Isomers of Dodecyl $\beta$ -D-Glucoside: Thermotropic and Lyotropic Phase Behavior and Detergency. Langmuir, 2001, 17, 6100-6107.	3.5	34
143	Viscosity Effects on Hydrodynamic Drainage Force Measurements Involving Deformable Bodies. Langmuir, 2010, 26, 11921-11927.	3.5	33
144	Effect of electrolyte on the mean interfacial solvent and electrostatic characteristics of cationic micelles. Chemical Physics Letters, 1987, 140, 493-498.	2.6	31

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145	Sonoluminescence Quenching in Aqueous Solutions Containing Weak Organic Acids and Bases and Its Relevance to Sonochemistry. <i>Journal of Physical Chemistry B</i> , 2000, 104, 6447-6451.	2.6	31
146	AOT reverse microemulsions in scCO <sub>2</sub> – a further investigation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2001, 189, 177-181.	4.7	31
147	Characterization of Acoustic Cavitation Bubbles in Different Sound Fields. <i>Journal of Physical Chemistry B</i> , 2010, 114, 11010-11016.	2.6	31
148	Kinetics and Mechanism for the Sonochemical Degradation of a Nonionic Surfactant. <i>Journal of Physical Chemistry A</i> , 2009, 113, 2865-2872.	2.5	30
149	Dual-frequency ultrasound for designing two dimensional catalyst surface: Reduced graphene oxide–Pt composite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 409, 81-87.	4.7	30
150	Sonophotoluminescence from aqueous and non-aqueous solutions. <i>Ultrasonics Sonochemistry</i> , 1999, 6, 1-5.	8.2	29
151	The adsorption of uranium (VI) onto colloidal TiO <sub>2</sub> , SiO <sub>2</sub> and carbon black. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 499, 156-162.	4.7	29
152	Size-quantised cadmium sulfide particles in Langmuir–Blodgett films: film thermal stability. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1993, 89, 2031-2035.	1.7	27
153	Effect of calcination temperature on the electrokinetic properties of colloidal zirconia. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1996, 119, 205-213.	4.7	27
154	Sonochemistry and Sonoluminescence under Simultaneous High- and Low-Frequency Irradiation. <i>Journal of Physical Chemistry C</i> , 2008, 112, 8343-8348.	3.1	27
155	Cavitation activation by dual-frequency ultrasound and shock waves. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 10029.	2.8	27
156	Ultrasound-Assisted Preparation of Semiconductor/Polymer Photoanodes and Their Photoelectrochemical Properties. <i>Journal of Physical Chemistry C</i> , 2010, 114, 5148-5153.	3.1	27
157	On the Generation of the Hydrated Electron during the Sonolysis of Aqueous Solutions. <i>Journal of Physical Chemistry A</i> , 2013, 117, 2409-2414.	2.5	27
158	Sonochemical synthesis of graphene oxide supported Pt–Pd alloy nanocrystals as efficient electrocatalysts for methanol oxidation. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 3163-3171.	2.5	27
159	An attenuated total internal reflection spectroscopy study of the kinetics of metal ion extraction at the decane-aqueous solution interface. <i>Langmuir</i> , 1992, 8, 366-368.	3.5	26
160	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
161	Effect of Alcohols on the Initial Growth of Multibubble Sonoluminescence. <i>Journal of Physical Chemistry B</i> , 2006, 110, 17282-17285.	2.6	26
162	Surface-enhanced Raman scattering as a means of studying competitive adsorption onto silver colloids. <i>The Journal of Physical Chemistry</i> , 1985, 89, 389-392.	2.9	25

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