Makoto Aratono

List of Publications by Year
in descending order

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65	1,177	394421	434195
papers	citations	19 h-index	31 g-index

68	68	68	805
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Line tension and its influence on droplets and particles at surfaces. Progress in Surface Science, 2017, 92, 1-39.	8.3	85
2	Thermodynamic Study on the Adsorption of 1-Octadecanol at Hexane/Water Interface. Bulletin of the Chemical Society of Japan, 1978, 51, 2800-2803.	3.2	74
3	Interaction between Ionic and Nonionic Surfactants in the Adsorbed Film and Micelle. 3. Sodium Dodecyl Sulfate and Tetraethylene Glycol Monooctyl Ether. Langmuir, 2001, 17, 7752-7757.	3.5	62
4	Interaction between Ionic and Nonionic Surfactants in the Adsorbed Film and Micelle. Dodecylammonium Chloride and Tetraethylene Glycol Monooctyl EtherÂ§. Langmuir, 2000, 16, 7589-7596.	3.5	61
5	Wetting of Surfactant Solutions by Alkanes. ChemPhysChem, 2005, 6, 547-555.	2.1	48
6	Spontaneous Vesicle Formation of Single Chain and Double Chain Cationic Surfactant Mixtures. Journal of Physical Chemistry B, 2007, 111, 107-115.	2.6	36
7	Solvent Effect on the Adsorption of 1-Octadecanol at Oil/Water Interface. Bulletin of the Chemical Society of Japan, 1980, 53, 653-657.	3.2	34
8	Thermodynamic Study on Phase Transition in Adsorbed Film of Fluoroalkanol at the Hexane/Water Interface. 1. Pressure Effect on the Adsorption of 1,1,2,2-Tetrahydroheptadecafluorodecanol. The Journal of Physical Chemistry, 1996, 100, 13743-13746.	2.9	34
9	Interaction between Ionic and Nonionic Surfactants in the Adsorbed Film and Micelle:â€‰ Hydrochloric Acid, Sodium Chloride, and Tetraethylene Glycol Monooctyl Ether. Langmuir, 1999, 15, 5496-5499.	3.5	34
10	Thermodynamic Study on Phase Transition in Adsorbed Film of Fluoroalkanol at the Hexane/Water Interface. 3. Temperature Effect on the Adsorption of 1,1,2,2-Tetrahydroheptadecafluorodecanol. Journal of Physical Chemistry B, 1998, 102, 3724-3729.	2.6	32
11	Interfacial Films and Wetting Behavior of Hexadecane on Aqueous Solutions of Dodecyltrimethylammonium Bromide. Langmuir, 2003, 19, 2249-2253.	3.5	32
12	Line Tension and Wetting Behavior of an Air/Hexadecane/Aqueous Surfactant System. Langmuir, 2005, 21, 8594-8596.	3.5	30
13	Thermodynamic Study on Phase Transition in Adsorbed Film of Fluoroalkanol at the Hexane/Water Interface. 4. Phase Transition in the Adsorbed Film of the Alkanol and Fluoroalkanol Mixture. Journal of Physical Chemistry B, 1998, 102, 4906-4911.	2.6	29
14	Temperature Effect on the Adsorption and Micelle Formation of Pentaethylene Glycol Monoalkyl Ethers. Journal of Physical Chemistry B, 2001, 105, 11462-11467.	2.6	28
15	Effect of Alkane Chain Length and Counterion on the Freezing Transition of Cationic Surfactant Adsorbed Film at Alkane Mixture â€“ Water Interfaces. Journal of Physical Chemistry B, 2015, 119, 6235-6241.	2.6	28
16	Thermodynamic Study on Phase Transition in Adsorbed Films of Fluoroalkanol at the Hexane/Water Interface. 5. Miscibility in the Adsorbed Film of an Alkanol and Fluoroalkanol Mixture. Journal of Physical Chemistry B, 1998, 102, 5840-5844.	2.6	24
17	Thermodynamic Study on Phase Transition in Adsorbed Film of Fluoroalkanol at the Hexane/Water Interface. 2. Pressure Effect on the Adsorption of 1,1,2,2-Tetrahydrohenicosafluorododecanol. The Journal of Physical Chemistry, 1996, 100, 20122-20125.	2.9	22
18	Xâ€Ray Studies of Surfactant Ordering and Interfacial Phases at the Waterâ€Oil Interface. Journal of Dispersion Science and Technology, 2006, 27, 715-722.	2.4	22

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19	Interfacial tension and wetting behavior of air/oil/ionic liquid systems. Colloid and Polymer Science, 2007, 285, 1601-1605.	2.1	22
20	Adsorption of 1-Decyl-3-methylimidazolium Bromide and Solvation Structure of Bromide at the Air/Water Interface. Analytical Sciences, 2008, 24, 1279-1283.	1.6	19
21	Effect of Surface Freezing on Stability of Oil-in-Water Emulsions. Langmuir, 2018, 34, 6205-6209.	3.5	19
22	Analysis of dynamic surface tension of tetraethyleneglycol monooctyl ether at air/water interface. Colloid and Polymer Science, 2007, 285, 1699-1705.	2.1	18
23	Synergistic effects in mixtures of two identically charged ionic surfactants with different critical micelle concentrations. Soft Matter, 2011, 7, 8870.	2.7	18
24	Dihedral Angle of Lens and Interfacial Tension of Air/Long Chain Alcohol/Water Systems. Langmuir, 1997, 13, 2158-2163.	3.5	17
25	Calorimetric Study of Micelle Formation in Polyethylene Glycol Monooctyl Ether Solution. Journal of Solution Chemistry, 2001, 30, 335-350.	1.2	17
26	Nonideal mixing of dodecyltrimethylammonium halides and nonionic surfactant in adsorbed films and micelles. Colloid and Polymer Science, 2004, 282, 324-329.	2.1	17
27	Study on line tension of air/hexadecane/aqueous surfactant system. Colloid and Polymer Science, 2008, 286, 647-654.	2.1	17
28	Calorimetry of Surfactant Solutions. Measurement of the Enthalpy of Mixing of Tetraethylene Glycol Monooctyl Ether and Water. Journal of Physical Chemistry B, 1997, 101, 3535-3539.	2.6	16
29	Freezing transition of wetting film of tetradecane on tetradecyltrimethylammonium bromide solutions. Colloid and Polymer Science, 2010, 288, 1333-1339.	2.1	16
30	Thermodynamic Study of the Surface Adsorption and Micelle Formation of Mixed Surfactants. ACS Symposium Series, 1986, , 163-171.	0.5	13
31	Spontaneous Vesicle Formation of Mixtures of Double-Chain Cationic Surfactants with a Different Counterion. Journal of Physical Chemistry B, 2008, 112, 12304-12311.	2.6	13
32	Miscibility of calcium chloride and sodium dodecyl sulfate in the adsorbed film and aggregates. Colloid and Polymer Science, 2010, 288, 1313-1320.	2.1	13
33	Thermodynamic Study on Phase Transition in Adsorbed Film of Fluoroalkanol at the Hexane/Water Interface. 6. Pressure Effect on the Phase Transition in the Adsorbed Film of Alkanol and Fluoroalkanol Mixture. Journal of Physical Chemistry B, 1999, 103, 6547-6553.	2.6	12
34	Temperature Effect on the Adsorption of Fluorooctanols at the Hexane/Water Interface. Langmuir, 2001, 17, 8098-8103.	3.5	12
35	Selective Determination of Surface Density of Bromide Ion through XAFS and Its Application to Verification of a Criterion of an Ideal Mixing of Surfactant Mixture. Langmuir, 2005, 21, 7398-7404.	3.5	12
36	Surface adsorption and micelle formation of aqueous solutions of polyethyleneglycol and sugar surfactants. Colloid and Polymer Science, 2009, 287, 1077-1082.	2.1	12

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37	Probing the self-aggregation behavior and counter ion distribution of a copper surfactant complex. New Journal of Chemistry, 2014, 38, 3925-3932.	2.8	11
38	Calorimetric Study of Dilute Aqueous Solutions of Ethylene Glycol Oligomers. Journal of Physical Chemistry B, 1998, 102, 4809-4812.	2.6	10
39	Thermodynamic Study on the Adsorption of Oleyl Alcohol at Oil/Water Interface. Langmuir, 2002, 18, 7544-7548.	3.5	10
40	Gold Recovery by pH-Switching Process via Cloud Point Extraction. Separation Science and Technology, 2003, 38, 3591-3607.	2.5	10
41	First-Order Wetting Transition and Line Tension of Hexadecane Lens at Air/Water Interface Assisted by Surfactant Adsorption. Bulletin of the Chemical Society of Japan, 2010, 83, 1198-1202.	3.2	10
42	Dynamics of Condensed Monolayer and Multilayer Formation of Hexadecylpyridinium Chlorideâ€“Sodium Dodecyl Sulfate Mixed Systems at the Air/Water Interface. Chemistry Letters, 2012, 41, 1218-1220.	1.3	10
43	Line tension of alkane lenses on aqueous surfactant solutions at phase transitions of coexisting interfaces. Advances in Colloid and Interface Science, 2014, 206, 186-194.	14.7	10
44	Liquid Droplet Coalescence and Fragmentation at the Aqueousâ€“Air Surface. Langmuir, 2015, 31, 132-139.	3.5	9
45	Dihedral Angle of Lens and Interfacial Tension of Air/Long Chain Alcohol/Water Systems. 2. Langmuir, 1998, 14, 7313-7320.	3.5	8
46	Phase Transition and Domain Formation in the Gibbs Adsorbed Films of Long-Chain Alcohols. Journal of Physical Chemistry B, 2009, 113, 6347-6352.	2.6	8
47	Morphological Transformations in Solid Domains of Alkanes on Surfactant Solutions. Journal of Physical Chemistry Letters, 2013, 4, 844-848.	4.6	8
48	Surface dilational viscoelasticity of aqueous surfactant solutions by surface quasi-elastic light scattering. Colloid and Polymer Science, 2018, 296, 781-798.	2.1	8
49	Aggregation Behavior of Fluorooctanols in Hydrocarbon Solvents. Journal of Physical Chemistry B, 2003, 107, 11502-11509.	2.6	7
50	Thinâ€“Thick Transition of Foam Film Driven by Phase Transition of Surfactantâ€“Alkane Mixed Adsorbed Film. Chemistry Letters, 2012, 41, 1300-1302.	1.3	7
51	Synergistic Interaction of Short-Chain Phospholipids in the Adsorbed Film and Micelles: Study by Surface Tension and Dilational Viscoelasticity Measurements. Journal of Physical Chemistry C, 2013, 117, 1097-1104.	3.1	7
52	X-ray Reflectivity Measurements for Freezing Transitions of Alkane Wetting Film on Surfactant Solution Surface. Bulletin of the Chemical Society of Japan, 2013, 86, 492-496.	3.2	7
53	Effect of Hydrophobic Chain Structure on Phase Transition and Domain Formation of Hybrid Alcohol Films Adsorbed at the Hexane/Water Interface. Journal of Physical Chemistry B, 2015, 119, 12436-12445.	2.6	7
54	Study on surface adsorption from cationic surfactantâ€“electrolyte mixed aqueous solution including BF 4 â^' ion. Colloid and Polymer Science, 2010, 288, 1005-1011.	2.1	6

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55	Unique Interfacial Phenomena on Macroscopic and Colloidal Scales Induced by Two-Dimensional Phase Transitions. Langmuir, 2019, 35, 1989-2001.	3.5	6
56	Thermodynamic Study on Phase Transition in Adsorbed Film of Fluoroalkanol at the Hexane/Water Interface. 8. Phase Transition and Miscibility in the Adsorbed Film of Fluoroalkanol Mixture. Journal of Physical Chemistry B, 2001, 105, 789-795.	2.6	5
57	Effect of molecular packing on adsorption and micelle formation of a homologous cationic surfactant mixture of hexadecyltrimethylammonium bromide and dodecyltrimethylammonium bromide. Colloid and Polymer Science, 2004, 283, 329-334.	2.1	5
58	Thermodynamic and structure studies of Gibbs films at soft interfaces. Journal of Thermal Analysis and Calorimetry, 2010, 99, 51-55.	3.6	3
59	Effect of the Headgroup Structure on Counterion Binding in Adsorbed Surfactant Films Investigated by Total Reflection X-ray Absorption Fine Structure Spectroscopy. Bulletin of the Chemical Society of Japan, 2018, 91, 1487-1494.	3.2	2
60	Interaction of Acid Dyes with Sodium Dodecyl Sulfate in Adsorbed Film and Micelle. Journal of Japan Oil Chemists Society, 1994, 43, 704-710.	0.1	2
61	Interaction between polyoxyethylene nonyl phenyl ether (n=9) and gold (III) ion in the adsorbed film and micelle. Colloid and Polymer Science, 2002, 280, 936-941.	2.1	1
62	Thermodynamic study on the interaction of imidazolium salts and POE-type nonionic surfactant in the adsorbed film. Colloid and Polymer Science, 2014, 292, 1209-1215.	2.1	1
63	1P-229 Morphology and physicochemical property of long-chain and short-chain phospholipid mixed assemblies(The 46th Annual Meeting of the Biophysical Society of Japan). Seibutsu Butsuri, 2008, 48, S57.	0.1	0
64	Temperature effect on the surface phase transitions of monolayer films of C12E1 at air/water interface. Colloid and Polymer Science, 2013, 291, 2647-2652.	2.1	0
65	Adsorption of Surfactants. Journal of Japan Oil Chemists' Society, 1996, 45, 1023-1034,1205.	0.3	0