

# Makoto Aratono

## List of Publications by Year in descending order

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65  
papers

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394421

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Unique Interfacial Phenomena on Macroscopic and Colloidal Scales Induced by Two-Dimensional Phase Transitions. <i>Langmuir</i> , 2019, 35, 1989-2001.	3.5	6
2	Surface dilational viscoelasticity of aqueous surfactant solutions by surface quasi-elastic light scattering. <i>Colloid and Polymer Science</i> , 2018, 296, 781-798.	2.1	8
3	Effect of the Headgroup Structure on Counterion Binding in Adsorbed Surfactant Films Investigated by Total Reflection X-ray Absorption Fine Structure Spectroscopy. <i>Bulletin of the Chemical Society of Japan</i> , 2018, 91, 1487-1494.	3.2	2
4	Effect of Surface Freezing on Stability of Oil-in-Water Emulsions. <i>Langmuir</i> , 2018, 34, 6205-6209.	3.5	19
5	Line tension and its influence on droplets and particles at surfaces. <i>Progress in Surface Science</i> , 2017, 92, 1-39.	8.3	85
6	Effect of Hydrophobic Chain Structure on Phase Transition and Domain Formation of Hybrid Alcohol Films Adsorbed at the Hexane/Water Interface. <i>Journal of Physical Chemistry B</i> , 2015, 119, 12436-12445.	2.6	7
7	Liquid Droplet Coalescence and Fragmentation at the Aqueous-Air Surface. <i>Langmuir</i> , 2015, 31, 132-139.	3.5	9
8	Effect of Alkane Chain Length and Counterion on the Freezing Transition of Cationic Surfactant Adsorbed Film at Alkane Mixture-Air-Water Interfaces. <i>Journal of Physical Chemistry B</i> , 2015, 119, 6235-6241.	2.6	28
9	Thermodynamic study on the interaction of imidazolium salts and POE-type nonionic surfactant in the adsorbed film. <i>Colloid and Polymer Science</i> , 2014, 292, 1209-1215.	2.1	1
10	Line tension of alkane lenses on aqueous surfactant solutions at phase transitions of coexisting interfaces. <i>Advances in Colloid and Interface Science</i> , 2014, 206, 186-194.	14.7	10
11	Probing the self-aggregation behavior and counter ion distribution of a copper surfactant complex. <i>New Journal of Chemistry</i> , 2014, 38, 3925-3932.	2.8	11
12	Temperature effect on the surface phase transitions of monolayer films of C12E1 at air/water interface. <i>Colloid and Polymer Science</i> , 2013, 291, 2647-2652.	2.1	0
13	Synergistic Interaction of Short-Chain Phospholipids in the Adsorbed Film and Micelles: Study by Surface Tension and Dilational Viscoelasticity Measurements. <i>Journal of Physical Chemistry C</i> , 2013, 117, 1097-1104.	3.1	7
14	Morphological Transformations in Solid Domains of Alkanes on Surfactant Solutions. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 844-848.	4.6	8
15	X-ray Reflectivity Measurements for Freezing Transitions of Alkane Wetting Film on Surfactant Solution Surface. <i>Bulletin of the Chemical Society of Japan</i> , 2013, 86, 492-496.	3.2	7
16	Thin-Thick Transition of Foam Film Driven by Phase Transition of Surfactant-Alkane Mixed Adsorbed Film. <i>Chemistry Letters</i> , 2012, 41, 1300-1302.	1.3	7
17	Dynamics of Condensed Monolayer and Multilayer Formation of Hexadecylpyridinium Chloride-Sodium Dodecyl Sulfate Mixed Systems at the Air/Water Interface. <i>Chemistry Letters</i> , 2012, 41, 1218-1220.	1.3	10
18	Synergistic effects in mixtures of two identically charged ionic surfactants with different critical micelle concentrations. <i>Soft Matter</i> , 2011, 7, 8870.	2.7	18

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19	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
20	Study on surface adsorption from cationic surfactant+electrolyte mixed aqueous solution including BF <sub>4</sub> <sup>-</sup> ion. Colloid and Polymer Science, 2010, 288, 1005-1011.	2.1	6
21	Freezing transition of wetting film of tetradecane on tetradecyltrimethylammonium bromide solutions. Colloid and Polymer Science, 2010, 288, 1333-1339.	2.1	16
22	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
23	Thermodynamic and structure studies of Gibbs films at soft interfaces. Journal of Thermal Analysis and Calorimetry, 2010, 99, 51-55.	3.6	3
24	Surface adsorption and micelle formation of aqueous solutions of polyethyleneglycol and sugar surfactants. Colloid and Polymer Science, 2009, 287, 1077-1082.	2.1	12
25	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
26	Study on line tension of air/hexadecane/aqueous surfactant system. Colloid and Polymer Science, 2008, 286, 647-654.	2.1	17
27	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
28	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
29	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
30	Spontaneous Vesicle Formation of Single Chain and Double Chain Cationic Surfactant Mixtures. Journal of Physical Chemistry B, 2007, 111, 107-115.	2.6	36
31	Interfacial tension and wetting behavior of air/oil/ionic liquid systems. Colloid and Polymer Science, 2007, 285, 1601-1605.	2.1	22
32	Analysis of dynamic surface tension of tetraethyleneglycol monoethyl ether at air/water interface. Colloid and Polymer Science, 2007, 285, 1699-1705.	2.1	18
33	X-Ray Studies of Surfactant Ordering and Interfacial Phases at the Water/Oil Interface. Journal of Dispersion Science and Technology, 2006, 27, 715-722.	2.4	22
34	Wetting of Surfactant Solutions by Alkanes. ChemPhysChem, 2005, 6, 547-555.	2.1	48
35	Line Tension and Wetting Behavior of an Air/Hexadecane/Aqueous Surfactant System. Langmuir, 2005, 21, 8594-8596.	3.5	30
36	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

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37	Nonideal mixing of dodecyltrimethylammonium halides and nonionic surfactant in adsorbed films and micelles. <i>Colloid and Polymer Science</i> , 2004, 282, 324-329.	2.1	17
38	Effect of molecular packing on adsorption and micelle formation of a homologous cationic surfactant mixture of hexadecyltrimethylammonium bromide and dodecyltrimethylammonium bromide. <i>Colloid and Polymer Science</i> , 2004, 283, 329-334.	2.1	5
39	Interfacial Films and Wetting Behavior of Hexadecane on Aqueous Solutions of Dodecyltrimethylammonium Bromide. <i>Langmuir</i> , 2003, 19, 2249-2253.	3.5	32
40	Aggregation Behavior of Fluorooctanols in Hydrocarbon Solvents. <i>Journal of Physical Chemistry B</i> , 2003, 107, 11502-11509.	2.6	7
41	Gold Recovery by pH-Switching Process via Cloud Point Extraction. <i>Separation Science and Technology</i> , 2003, 38, 3591-3607.	2.5	10
42	Thermodynamic Study on the Adsorption of Oleyl Alcohol at Oil/Water Interface. <i>Langmuir</i> , 2002, 18, 7544-7548.	3.5	10
43	Interaction between polyoxyethylene nonyl phenyl ether (n=9) and gold (III) ion in the adsorbed film and micelle. <i>Colloid and Polymer Science</i> , 2002, 280, 936-941.	2.1	1
44	Temperature Effect on the Adsorption of Fluorooctanols at the Hexane/Water Interface. <i>Langmuir</i> , 2001, 17, 8098-8103.	3.5	12
45	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. <i>Journal of Physical Chemistry B</i> , 2001, 105, 789-795.	2.6	5
46	Temperature Effect on the Adsorption and Micelle Formation of Pentaethylene Glycol Monoalkyl Ethers. <i>Journal of Physical Chemistry B</i> , 2001, 105, 11462-11467.	2.6	28
47	Interaction between Ionic and Nonionic Surfactants in the Adsorbed Film and Micelle. 3. Sodium Dodecyl Sulfate and Tetraethylene Glycol Monoethyl Ether. <i>Langmuir</i> , 2001, 17, 7752-7757.	3.5	62
48	Calorimetric Study of Micelle Formation in Polyethylene Glycol Monoethyl Ether Solution. <i>Journal of Solution Chemistry</i> , 2001, 30, 335-350.	1.2	17
49	Interaction between Ionic and Nonionic Surfactants in the Adsorbed Film and Micelle. Dodecylammonium Chloride and Tetraethylene Glycol Monoethyl Ether. <i>Langmuir</i> , 2000, 16, 7589-7596.	3.5	61
50	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. <i>Journal of Physical Chemistry B</i> , 1999, 103, 6547-6553.	2.6	12
51	Interaction between Ionic and Nonionic Surfactants in the Adsorbed Film and Micelle: Hydrochloric Acid, Sodium Chloride, and Tetraethylene Glycol Monoethyl Ether. <i>Langmuir</i> , 1999, 15, 5496-5499.	3.5	34
52	Calorimetric Study of Dilute Aqueous Solutions of Ethylene Glycol Oligomers. <i>Journal of Physical Chemistry B</i> , 1998, 102, 4809-4812.	2.6	10
53	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. <i>Journal of Physical Chemistry B</i> , 1998, 102, 5840-5844.	2.6	24
54	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. <i>Journal of Physical Chemistry B</i> , 1998, 102, 3724-3729.	2.6	32

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55	Dihedral Angle of Lens and Interfacial Tension of Air/Long Chain Alcohol/Water Systems. 2. Langmuir, 1998, 14, 7313-7320.	3.5	8
56	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
57	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
58	Dihedral Angle of Lens and Interfacial Tension of Air/Long Chain Alcohol/Water Systems. Langmuir, 1997, 13, 2158-2163.	3.5	17
59	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-Tetrahydrohenicosafuorododecanol. The Journal of Physical Chemistry, 1996, 100, 20122-20125.	2.9	22
60	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
61	Adsorption of Surfactants. Journal of Japan Oil Chemists' Society, 1996, 45, 1023-1034,1205.	0.3	0
62	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
63	Thermodynamic Study of the Surface Adsorption and Micelle Formation of Mixed Surfactants. ACS Symposium Series, 1986, , 163-171.	0.5	13
64	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
65	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