

# Osamu Shibata

## List of Publications by Year in descending order

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67  
papers

1,517  
citations

257450

24  
h-index

345221

36  
g-index

69  
all docs

69  
docs citations

69  
times ranked

1118  
citing authors

#	ARTICLE	IF	CITATIONS
1	Inverse electron-demand diels-alder reactions of tetrazine and norbornene at the air-water interface. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 211, 112333.	5.0	1
2	Interplay of long-chain tetrazine derivatives and biomembrane components at the air-water interface. <i>Biophysics Reviews</i> , 2022, 3, 021303.	2.7	0
3	Adsorption of sodium iodine at air/water interface. <i>Journal of Molecular Liquids</i> , 2020, 298, 112076.	4.9	18
4	How Self-Assembled Nanodomains Can Impact the Organization of a Phospholipid Monolayer-Like Arrays. <i>ChemPhysChem</i> , 2020, 21, 1966-1970.	2.1	4
5	Lateral interaction of cholesterol with a semifluorinated amphiphile at the air-water interface. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 181, 1035-1040.	5.0	5
6	Fluidity of binary monolayers of semi-fluorinated and non-fluorinated fatty alcohols at the air-water interface. <i>Journal of Fluorine Chemistry</i> , 2019, 228, 109408.	1.7	1
7	Interfacial behavior of gemini surfactants with different spacer lengths in aqueous medium. <i>Colloid and Polymer Science</i> , 2019, 297, 183-189.	2.1	14
8	Monolayers of a tetrazine-containing gemini amphiphile: Interplays with biomembrane lipids. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 164, 1-10.	5.0	14
9	Interplay of Hydrophobic and Electrostatic Interactions between Polyoxometalates and Lipid Molecules. <i>Journal of Physical Chemistry C</i> , 2017, 121, 12895-12902.	3.1	38
10	Role of the spacer of Gemini surfactants in solubilization into their micelles. <i>Journal of Molecular Liquids</i> , 2017, 244, 499-505.	4.9	12
11	Surface structure of sodium chloride solution. <i>Journal of Molecular Liquids</i> , 2017, 248, 1039-1043.	4.9	16
12	Interfacial Properties of Binary Systems Composed of DPPC and Perfluorinated Double Long-Chain Salts with Divalent Counterions of Separate Electric Charge. <i>Journal of Oleo Science</i> , 2017, 66, 479-489.	1.4	0
13	$\beta$ -Galactosidase Langmuir Monolayer at Air/X-gal Subphase Interface. <i>Journal of Physical Chemistry B</i> , 2016, 120, 12279-12286.	2.6	13
14	Ionic Nature of a Gemini Surfactant at the Air/Water Interface. <i>Langmuir</i> , 2016, 32, 12842-12847.	3.5	11
15	Interactions of a Tetrazine Derivative with Biomembrane Constituents: A Langmuir Monolayer Study. <i>Langmuir</i> , 2016, 32, 6591-6599.	3.5	11
16	New Adsorption Model "Theory, Phenomena and New Concept". <i>Journal of Oleo Science</i> , 2015, 64, 1-8.	1.4	14
17	Langmuir Monolayer Properties of Fluorinated Fatty Alcohols and Dipalmitoylphosphatidylcholine (DPPC). <i>ACS Symposium Series</i> , 2015, , 1-24.	0.5	0
18	Molecular Dynamics Investigation on Adsorption Layer of Alcohols at the Air/Brine Interface. <i>Langmuir</i> , 2015, 31, 50-56.	3.5	33

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19	Interfacial Behavior of Pulmonary Surfactant Preparations Containing Egg Yolk Lecithin. <i>Journal of Oleo Science</i> , 2014, 63, 1159-1168.	1.4	2
20	Impairing effect of fibrinogen on the mono-/bi-layer form of bovine lung surfactant. <i>Colloid and Polymer Science</i> , 2014, 292, 2765-2774.	2.1	2
21	Solubilization of <i>n</i> -Alkylbenzenes into Gemini Surfactant Micelles in Aqueous Medium. <i>Langmuir</i> , 2014, 30, 5771-5779.	3.5	19
22	Improvement of pulmonary surfactant activity by introducing D-amino acids into highly hydrophobic amphiphilic $\alpha$ -peptide Hel 13-5. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 2046-2052.	2.6	4
23	Investigation of interfacial behavior of glycyrrhizin with a lipid raft model via a Langmuir monolayer study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 1271-1283.	2.6	31
24	Surface Potential of 1-Hexanol Solution: Comparison with Methyl Isobutyl Carbinol. <i>Journal of Physical Chemistry B</i> , 2013, 117, 7615-7620.	2.6	20
25	Surface pressure induced structural transitions of an amphiphilic peptide in pulmonary surfactant systems by an in situ PM-IRRAS study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 1205-1213.	2.6	11
26	Examination of fluorination effect on physical properties of saturated long-chain alcohols by DSC and Langmuir monolayer. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 102, 472-478.	5.0	20
27	Miscibility of Egg Yolk Lecithin with Palmitic Acid and Hexadecanol at the Air-Water Interface. <i>Journal of Oleo Science</i> , 2013, 62, 471-480.	1.4	2
28	Miscibility Behavior of Sphingomyelin with Phytosterol Derivatives by a Langmuir Monolayer Approach. <i>Journal of Oleo Science</i> , 2013, 62, 809-824.	1.4	12
29	Solution Properties of Gemini Surfactant of Decanediyl-1-10-bis (dimethyltetradecylammonium) Tj ETQq1 1 0.784314 rgBT /Qverlock	1.4	12
30	Interfacial Properties in Langmuir Monolayers and LB Films of DPPC with Partially Fluorinated Alcohol (F8H7OH). <i>Journal of Oleo Science</i> , 2013, 62, 1017-1027.	1.4	12
31	Monolayer Compression Induces Fluidization in Binary System of Partially Fluorinated Alcohol (F4H11OH) with DPPC. <i>Journal of Oleo Science</i> , 2013, 62, 271-281.	1.4	10
32	Fluobodies against Bioactive Natural Products and their Application in Fluorescence-Linked Immunosorbent Assay. <i>Antibodies</i> , 2012, 1, 239-258.	2.5	10
33	Langmuir Monolayer Miscibility of Perfluorocarboxylic Acids with Biomembrane Constituents at the Air-Water Interface. <i>Journal of Oleo Science</i> , 2012, 61, 197-210.	1.4	16
34	Surface Potential of Methyl Isobutyl Carbinol Adsorption Layer at the Air/Water Interface. <i>Journal of Physical Chemistry B</i> , 2012, 116, 980-986.	2.6	25
35	The role of palmitic acid in pulmonary surfactant systems by Langmuir monolayer study: Lipid-peptide interactions. <i>Soft Matter</i> , 2011, 7, 11351.	2.7	20
36	Interaction of a partially fluorinated alcohol (F8H11OH) with biomembrane constituents in two-component monolayers. <i>Soft Matter</i> , 2011, 7, 7325.	2.7	32

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37	Examination of Surface Adsorption of Cetyltrimethylammonium Bromide and Sodium Dodecyl Sulfate. <i>Journal of Physical Chemistry B</i> , 2011, 115, 9077-9086.	2.6	63
38	Fluorocarbon-Hybrid Pulmonary Surfactants for Replacement Therapy - A Langmuir Monolayer Study. <i>Langmuir</i> , 2010, 26, 18256-18265.	3.5	53
39	Specific interaction restrains structural transitions of an amphiphilic peptide in pulmonary surfactant model systems: An in situ PM-IRRAS investigation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 1263-1271.	2.6	20
40	Miscibility and phase behavior of DPPG and perfluorocarboxylic acids at the air/water interface. <i>Chemistry and Physics of Lipids</i> , 2009, 161, 103-114.	3.2	21
41	Miscibility behavior of two-component monolayers at the air/water interface: Perfluorocarboxylic acids and DMPE. <i>Journal of Colloid and Interface Science</i> , 2009, 337, 191-200.	9.4	19
42	Langmuir monolayer miscibility of single-chain partially fluorinated amphiphiles with tetradecanoic acid. <i>Journal of Colloid and Interface Science</i> , 2009, 337, 201-210.	9.4	25
43	Hysteresis behavior of amphiphilic model peptide in lung lipid monolayers at the air/water interface by an IRRAS measurement. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 68, 61-67.	5.0	14
44	Pulmonary Surfactant Model Systems Catch the Specific Interaction of an Amphiphilic Peptide with Anionic Phospholipid. <i>Biophysical Journal</i> , 2009, 96, 1415-1429.	0.5	40
45	Water evaporation rates across hydrophobic acid monolayers at equilibrium spreading pressure. <i>Journal of Colloid and Interface Science</i> , 2008, 318, 322-330.	9.4	12
46	Purification and thermal analysis of perfluoro-n-alkanoic acids. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 61, 61-65.	5.0	13
47	Development of low cost pulmonary surfactants composed of a mixture of lipids or lipids-peptides using higher aliphatic alcohol or soy lecithin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 66, 281-286.	5.0	9
48	Examination of Surface Adsorption of Soluble Surfactants by Surface Potential Measurement at the Air/Solution Interface. <i>Journal of Physical Chemistry C</i> , 2008, 112, 6398-6403.	3.1	45
49	Langmuir Monolayer of Artificial Pulmonary Surfactant Mixtures with an Amphiphilic Peptide at the Air/Water Interface: Comparison of New Preparations with Surfacten (Surfactant TA). <i>Langmuir</i> , 2008, 24, 3370-3379.	3.5	47
50	Langmuir Monolayer Properties of Perfluorinated Double Long-Chain Salts with Divalent Counterions of Separate Electric Charge at the Air/Water Interface. <i>Langmuir</i> , 2007, 23, 9629-9640.	3.5	31
51	Two-Component Langmuir Monolayers of Single-Chain Partially Fluorinated Amphiphiles with Dipalmitoylphosphatidylcholine (DPPC). <i>Langmuir</i> , 2007, 23, 12634-12644.	3.5	59
52	Solubilization of n-Alkylbenzenes into Octaethylene Glycol Mono-n-tetradecyl Ether (C14E8) Micelles. <i>Langmuir</i> , 2007, 23, 7505-7509.	3.5	7
53	Mode of Interaction of Hydrophobic Amphiphilic $\alpha$ -Helical Peptide/Dipalmitoylphosphatidylcholine with Phosphatidylglycerol or Palmitic Acid at the Air/Water Interface. <i>Langmuir</i> , 2006, 22, 5792-5803.	3.5	30
54	Langmuir monolayer properties of the fluorinated-hydrogenated hybrid amphiphiles with dipalmitoylphosphatidylcholine (DPPC). <i>Colloids and Surfaces B: Biointerfaces</i> , 2006, 47, 165-175.	5.0	31

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55	Mode of interaction of ganglioside Langmuir monolayer originated from echinoderms: Three binary systems of ganglioside/DPPC, ganglioside/DMPE, and ganglioside/cholesterol. <i>Colloids and Surfaces B: Biointerfaces</i> , 2006, 52, 57-75.	5.0	18
56	Mode of Interaction of Amphiphilic $\alpha$ -Helical Peptide with Phosphatidylcholines at the Air/Water Interface. <i>Langmuir</i> , 2006, 22, 1182-1192.	3.5	42
57	Influence of a new amphiphilic peptide with phospholipid monolayers at the air/water interface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005, 270-271, 52-60.	4.7	22
58	Properties of two-component Langmuir monolayer of single chain perfluorinated carboxylic acids with dipalmitoylphosphatidylcholine (DPPC). <i>Colloids and Surfaces B: Biointerfaces</i> , 2005, 41, 285-298.	5.0	69
59	Langmuir monolayers of cerebroside originated from <i>Linckia laevigata</i> : Binary systems of cerebroside and phospholipid. <i>Colloids and Surfaces B: Biointerfaces</i> , 2005, 44, 123-142.	5.0	9
60	Examination of Surface Adsorption of Sodium Chloride and Sodium Dodecyl Sulfate by Surface Potential Measurement at the Air/Solution Interface. <i>Langmuir</i> , 2005, 21, 9020-9022.	3.5	44
61	Evaporation from Water/Ethylene Glycol Liquid Mixture. <i>Langmuir</i> , 2005, 21, 7308-7310.	3.5	46
62	Miscibility behavior of dipalmitoylphosphatidylcholine with a single-chain partially fluorinated amphiphile in Langmuir monolayers. <i>Journal of Colloid and Interface Science</i> , 2003, 265, 83-92.	9.4	59
63	Mixed monolayers made from dipalmitoyl phosphatidylcholine and a fluorinated amphiphile. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 215, 33-41.	4.7	33
64	Determination of Acidity Constants of Perfluoroalkanoic Acids. <i>Bulletin of the Chemical Society of Japan</i> , 2001, 74, 667-672.	3.2	70
65	Mixed Langmuir Monolayers Made from Single-Chain Perfluoroalkylated Amphiphiles. <i>Langmuir</i> , 2000, 16, 10281-10286.	3.5	53
66	Apparatus for Measuring the Evaporation Rate of Water across an Air/Water Interface. <i>Langmuir</i> , 2000, 16, 9697-9698.	3.5	12
67	Mixed Monolayer Properties of Tetradecanoic Acid with <i>n</i> -Perfluorocarboxylic Acids with 10, 12, 14, 16, and 18 Carbon Atoms. <i>Journal of Colloid and Interface Science</i> , 1996, 184, 201-208.	9.4	41