

# Tomokazu Yoshimura

## List of Publications by Year in descending order

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87  
papers

3,402  
citations

186209

28  
h-index

143943

57  
g-index

88  
all docs

88  
docs citations

88  
times ranked

3573  
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of PAMAM <sup>+</sup> and PPI <sup>+</sup> Metal (Silver, Platinum, and Palladium) Nanocomposites and Their Catalytic Activities for Reduction of 4-Nitrophenol. <i>Langmuir</i> , 2004, 20, 237-243.	1.6	596
2	Preparation of Gold <sup>+</sup> Dendrimer Nanocomposites by Laser Irradiation and Their Catalytic Reduction of 4-Nitrophenol. <i>Langmuir</i> , 2003, 19, 5517-5521.	1.6	429
3	Antioxidant-potentiality of gold <sup>+</sup> chitosan nanocomposites. <i>Colloids and Surfaces B: Biointerfaces</i> , 2003, 32, 117-123.	2.5	209
4	Comparison of PAMAM <sup>+</sup> Au and PPI <sup>+</sup> Au Nanocomposites and Their Catalytic Activity for Reduction of 4-Nitrophenol. <i>Journal of Colloid and Interface Science</i> , 2002, 254, 402-405.	5.0	162
5	Synthesis and surface properties of anionic gemini surfactants with amide groups. <i>Journal of Colloid and Interface Science</i> , 2004, 276, 231-238.	5.0	121
6	Equilibrium and Dynamic Surface Tension Properties of Partially Fluorinated Quaternary Ammonium Salt Gemini Surfactants. <i>Langmuir</i> , 2006, 22, 4643-4648.	1.6	121
7	Synthesis and surface-active properties of sulfobetaine-type zwitterionic gemini surfactants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 273, 208-212.	2.3	113
8	Synthesis and catalytic activity of gold <sup>+</sup> silver binary nanoparticles stabilized by PAMAM dendrimer. <i>Journal of Colloid and Interface Science</i> , 2005, 286, 602-609.	5.0	98
9	Physicochemical properties of quaternary ammonium bromide-type trimeric surfactants. <i>Journal of Colloid and Interface Science</i> , 2003, 267, 167-172.	5.0	95
10	Adsorption and micellization behavior of novel gluconamide-type gemini surfactants. <i>Journal of Colloid and Interface Science</i> , 2008, 318, 440-448.	5.0	85
11	Sugar-Based Gemini Surfactants with Peptide Bonds Synthesis, Adsorption, Micellization, and Biodegradability. <i>Langmuir</i> , 2005, 21, 10409-10415.	1.6	83
12	Adsorption and aggregation properties of amino acid-based N-alkyl cysteine monomeric and -dialkyl cysteine gemini surfactants. <i>Journal of Colloid and Interface Science</i> , 2007, 308, 466-473.	5.0	82
13	Zwitterionic Heterogemini Surfactants Containing Ammonium and Carboxylate Headgroups. 1. Adsorption and Micellization. <i>Langmuir</i> , 2005, 21, 2682-2688.	1.6	74
14	Surface tension and micellization properties of heterogemini surfactants containing quaternary ammonium salt and sulfobetaine moiety. <i>Journal of Colloid and Interface Science</i> , 2006, 301, 267-273.	5.0	60
15	Star-Shaped Trimeric Quaternary Ammonium Bromide Surfactants: Adsorption and Aggregation Properties. <i>Langmuir</i> , 2012, 28, 9322-9331.	1.6	59
16	Multilayer Formation Using Oppositely Charged Gold- and Silver-Dendrimer Nanocomposites. <i>Langmuir</i> , 2003, 19, 7679-7681.	1.6	55
17	Surface properties and aggregate morphology of partially fluorinated carboxylate-type anionic gemini surfactants. <i>Journal of Colloid and Interface Science</i> , 2009, 339, 230-235.	5.0	51
18	Adsorption and Aggregation Properties of Heterogemini Surfactants Containing a Quaternary Ammonium Salt and a Sugar Moiety. <i>Langmuir</i> , 2006, 22, 9187-9191.	1.6	50

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19	Mixed micellar properties of cationic trimeric-type quaternary ammonium salts and anionic sodium n-octyl sulfate surfactants. <i>Journal of Colloid and Interface Science</i> , 2004, 272, 191-196.	5.0	45
20	Interactions of quaternary ammonium salt-type gemini surfactants with sodium poly(styrene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	5.0	44
21	Preparation of Au/TiO <sub>2</sub> nanocomposites and their catalytic activity for DPPH radical scavenging reaction. <i>Journal of Colloid and Interface Science</i> , 2005, 288, 177-183.	5.0	44
22	Physicochemical Properties of Ring-Type Trimeric Surfactants from Cyanuric Chloride. <i>Langmuir</i> , 2003, 19, 3535-3538.	1.6	36
23	Structural and Rheological Studies on Growth of Salt-Free Wormlike Micelles Formed by Star-Type Trimeric Surfactants. <i>Langmuir</i> , 2012, 28, 16798-16806.	1.6	36
24	Physicochemical properties of anionic triple-chain surfactants in alkaline solutions. <i>Journal of Colloid and Interface Science</i> , 2004, 276, 450-455.	5.0	34
25	Molecular Aggregates of Partially Fluorinated Quaternary Ammonium Salt Gemini Surfactants. <i>Langmuir</i> , 2007, 23, 10990-10994.	1.6	34
26	Structure and Rheology of Wormlike Micelles Formed by Fluorocarbon-Hydrocarbon-Type Hybrid Gemini Surfactant in Aqueous Solution. <i>Langmuir</i> , 2017, 33, 6084-6091.	1.6	32
27	Adsorption and Aggregation Properties of Homogeneous Polyoxypropylene-Polyoxyethylene Alkyl Ether Type Nonionic Surfactants. <i>Langmuir</i> , 2017, 33, 3794-3801.	1.6	32
28	Synthesis and surface-active properties of trimeric-type anionic surfactants derived from tris(2-aminoethyl)amine. <i>Journal of Surfactants and Detergents</i> , 2004, 7, 67-74.	1.0	30
29	Scavenging DPPH radicals catalyzed by binary noble metal-dendrimer nanocomposites. <i>Journal of Colloid and Interface Science</i> , 2006, 302, 516-521.	5.0	23
30	Effect of double quaternary ammonium groups on micelle formation of partially fluorinated surfactant. <i>Journal of Colloid and Interface Science</i> , 2011, 356, 624-629.	5.0	23
31	Emulsification, solubilization, and detergency behaviors of homogeneous polyoxypropylene-polyoxyethylene alkyl ether type nonionic surfactants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 564, 51-58.	2.3	23
32	Supra-long chain surfactants with double or triple quaternary ammonium headgroups. <i>Journal of Colloid and Interface Science</i> , 2012, 374, 157-163.	5.0	22
33	Equilibrium Surface Tension, Dynamic Surface Tension, and Micellization Properties of Lactobionamide-Type Sugar-Based Gemini Surfactants. <i>Journal of Oleo Science</i> , 2013, 62, 353-362.	0.6	21
34	Physicochemical Properties of Quaternized Poly(amidoamine) Dendrimers with Four Octyl Chains. <i>Journal of Colloid and Interface Science</i> , 2002, 255, 428-431.	5.0	20
35	Characterization and Solution Properties of Quaternary-Ammonium-Salt-Type Amphiphilic Gemini Ionic Liquids. <i>ACS Omega</i> , 2019, 4, 14242-14250.	1.6	19
36	Structural study on aggregation behavior of star-type trimeric surfactant in the presence of sodium salicylate. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 497, 109-116.	2.3	18

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37	Rheo-SANS study on relationship between micellar structures and rheological behavior of cationic gemini surfactants in solution. <i>Journal of Colloid and Interface Science</i> , 2019, 538, 357-366.	5.0	17
38	Physicochemical Properties of 2-Vinylpyridine Telomers Possessing Multihydrocarbon Chains in Aqueous Solution and at the Silica/Aqueous Solution Interface. <i>Journal of Colloid and Interface Science</i> , 1999, 220, 170-173.	5.0	16
39	Synthesis and aqueous solution properties of PAMAM dendron surfactants bearing a quaternary ammonium focal group and sugar terminal groups. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 326, 184-190.	2.3	16
40	Adsorption dynamics of homogeneous polyoxypropylene-polyoxyethylene alkyl ether nonionic surfactants at the air/water interface. <i>Journal of Molecular Liquids</i> , 2018, 255, 208-214.	2.3	15
41	Nanocage Aggregates Composed of Bilayer Sheets. <i>Langmuir</i> , 2008, 24, 5676-5678.	1.6	14
42	Solution Properties and Emulsification Properties of Amino Acid-Based Gemini Surfactants Derived from Cysteine. <i>Journal of Oleo Science</i> , 2013, 62, 579-586.	0.6	14
43	Novel Photosensitizer $\beta$ -Mannose-Conjugated Chlorin e6 as a Potent Anticancer Agent for Human Glioblastoma U251 Cells. <i>Pharmaceuticals</i> , 2020, 13, 316.	1.7	13
44	Structure and Catalytic Activities of Gold Nanoparticles Protected by Homogeneous Polyoxyethylene Alkyl Ether Type Nonionic Surfactants. <i>Langmuir</i> , 2019, 35, 5241-5249.	1.6	12
45	Microstructural Characterization of Foam Formed by a Hydroxy Group-Containing Amino Acid Surfactant Using Small-Angle Neutron Scattering. <i>Langmuir</i> , 2020, 36, 7808-7813.	1.6	12
46	Antioxidant Activity of Noble Metal (Gold, Platinum) -Biopolymer Nanocomposites. <i>Journal of the Japan Society of Colour Material</i> , 2005, 78, 112-121.	0.0	10
47	Solution Properties of Dissymmetric Sulfonate-type Anionic Gemini Surfactants. <i>Journal of Oleo Science</i> , 2016, 65, 135-141.	0.6	9
48	Characterization and solution properties of adamantane-containing quaternary-ammonium-salt-type amphiphilic ionic liquids. <i>Journal of Molecular Liquids</i> , 2019, 294, 111586.	2.3	9
49	Fine Tunable, Redox Active Octapalladium Chains Supported by Linear Tetrachosphines, Leading to Dynamically 1D Self-Assembled Coordination Polymers. <i>Chemistry - A European Journal</i> , 2021, 27, 12078-12103.	1.7	9
50	Preparation and surface-active properties of telomer-type anionic surfactants from maleic anhydride. <i>Journal of Surfactants and Detergents</i> , 2002, 5, 257-262.	1.0	8
51	Characterization of aliphatic and aromatic polyester hyperbranched dendrimers by AFM imaging. <i>Colloid and Polymer Science</i> , 2005, 284, 74-79.	1.0	8
52	Aggregation properties of supralong-chain surfactants with double or triple quaternary ammonium head groups. <i>Journal of Colloid and Interface Science</i> , 2012, 379, 72-77.	5.0	8
53	Solution Properties of Tadpole-type Cationic Amphiphilic Dendrimers Consisting of an Alkyl Chain, a Quaternary Ammonium, and a Poly(amidoamine) Dendron. <i>Journal of Oleo Science</i> , 2013, 62, 213-221.	0.6	8
54	Surface Adsorption and Bulk Properties of Surfactants in Quaternary-Ammonium-Salt-Type Amphiphilic Monomeric and Gemini Ionic Liquids. <i>Langmuir</i> , 2020, 36, 5219-5226.	1.6	8

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55	Physicochemical and solution properties of quaternary-ammonium-salt-type amphiphilic gemini ionic liquids with spacers containing oxygen or nitrogen. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 603, 125218.	2.3	8
56	Solubilization ability of star-shaped trimeric quaternary ammonium bromide surfactant. <i>Journal of Molecular Liquids</i> , 2019, 291, 111254.	2.3	7
57	Maltotriose- $\epsilon$ -Chlorin e6 Conjugate Linked via Tetraethyleneglycol as an Advanced Photosensitizer for Photodynamic Therapy. Synthesis and Antitumor Activities against Canine and Mouse Mammary Carcinoma Cells. <i>ACS Omega</i> , 2021, 6, 7023-7033.	1.6	7
58	Characterization of quaternized poly(amidoamine) dendrimers of generation 1 with multiple octyl chains. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004, 251, 141-144.	2.3	6
59	Tadpole-type amphiphilic dendrimers with bulky dendrons: Adsorption and aggregation properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 533, 197-203.	2.3	6
60	Preparation and Surface Activities of Cotelomers of Acrylic Acid and n-Octyl, 2-Ethylhexyl or 2-Phenylethyl Acrylate.. <i>Journal of Oleo Science</i> , 2001, 50, 103-108.	0.6	6
61	Surface Activities of Mixtures of Partially-Quaternized 2-Vinylpyridine Telomers and Cationic Gemini Surfactant.. <i>Journal of Oleo Science</i> , 2002, 51, 221-227.	0.6	6
62	Solubilization ability of N,N-dimethyl-N-alkyladamantylammonium bromide. <i>Journal of Molecular Liquids</i> , 2018, 260, 131-137.	2.3	5
63	Adsorption and aggregation properties of alkoxy-group-modified homogeneous polyoxyethylene alkyl ether nonionic surfactants. <i>Journal of Molecular Liquids</i> , 2019, 284, 586-591.	2.3	5
64	Adsorption and Aggregation Behavior of Mixtures of Quaternary-Ammonium-Salt-Type Amphiphilic Compounds with Fluorinated Counterions and Surfactants. <i>Langmuir</i> , 2021, 37, 11330-11337.	1.6	5
65	Effect of Spacer Structures on the Interfacial Adsorption and Micelle Properties of Quaternary Ammonium Salt-Based Gemini Surfactants. <i>Langmuir</i> , 2022, 38, 156-163.	1.6	5
66	Unique Solution Properties of Quaternized Oligomeric Surfactants Derived from Ethylenediamine or GO Poly (amidoamine) Dendrimers. <i>Journal of Oleo Science</i> , 2012, 61, 699-706.	0.6	4
67	Single-alkyl and multi-alkyl chain-containing amphiphilic oligomers with several sugar side chains: solution properties and nanostructural analysis of aggregates by SANS. <i>Colloid and Polymer Science</i> , 2017, 295, 793-802.	1.0	4
68	Dynamic Surface Tension of Heterogemini Surfactants with Quaternary Ammonium Salt and Gluconamide or Sulfobetaine Headgroups. <i>Journal of Oleo Science</i> , 2017, 66, 1139-1147.	0.6	4
69	Superoxide Scavenging Activity of Gold, Silver, and Platinum Nanoparticles Capped with Sugar-based Nonionic Surfactants. <i>Journal of Oleo Science</i> , 2019, 68, 847-854.	0.6	4
70	Physicochemical and solution properties of quaternary-ammonium-salt-type amphiphilic trimeric ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 25065-25071.	1.3	4
71	Adsorption and Aggregation Properties of Gemini-Type Amphiphilic Dendrimers. <i>Langmuir</i> , 2020, 36, 563-570.	1.6	4
72	Surface Adsorption Properties and Layer Structures of Homogeneous Polyoxyethylene-Type Nonionic Surfactants in Quaternary-Ammonium-Salt-Type Amphiphilic Gemini Ionic Liquids with Oxygen- or Nitrogen-Containing Spacers. <i>Molecules</i> , 2020, 25, 4881.	1.7	4

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73	Micelle Formation of Monoammonium Glycyrrhizinate. <i>Journal of Oleo Science</i> , 2021, 70, 911-918.	0.6	3
74	Adsorption and aggregation properties of homogeneous polyoxyethylene alkyl ether- and ester-type nonionic surfactants with multi-branched double chains. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 648, 129247.	2.3	3
75	Synthesis and properties of N-( $\pm$ -carboxyalkyl)acrylamide telomer-type surfactants having multihydrocarbon chains. <i>Journal of Surfactants and Detergents</i> , 2002, 5, 159-164.	1.0	2
76	Adsolubilization of 2-Naphthol by Cationic Multi-chained Surfactants at Silica/Water Interface. <i>Journal of the Japan Society of Colour Material</i> , 2004, 77, 207-212.	0.0	2
77	Synthesis and Solution Properties of Adamantane Containing Quaternary Ammonium Salt-type Cationic Surfactants: Hydrocarbon-based, Fluorocarbon-based and Bola-type. <i>Journal of Oleo Science</i> , 2016, 65, 843-852.	0.6	2
78	Rheo-SANS Study on Shear Thinning Behavior of Cationic Gemini Surfactant (12 $\alpha$ -2 $\alpha$ -12) in Salt-free Solution. , 2021, , .		2
79	Layer structure of quaternary-ammonium-salt-type amphiphilic gemini and trimeric ionic liquids. <i>Journal of Molecular Liquids</i> , 2021, 336, 116459.	2.3	2
80	Solution Properties of Amphiphilic Telomers with Multiple Sugar Chains and Terminal Alkyl Chain. <i>Journal of Oleo Science</i> , 2013, 62, 571-577.	0.6	2
81	Antioxidant Activity of Noble Metal (Gold, Platinum). <i>Journal of the Japan Society of Colour Material</i> , 2005, 78, 409-416.	0.0	1
82	SANS and SAXS Studies on the Aggregates Properties of A Gemini-Type Amphiphilic Dendrimer in Solution. , 2015, , .		1
83	Surface Properties and Aggregation Behavior of Heterogemini Surfactants. <i>Journal of the Japan Society of Colour Material</i> , 2009, 82, 568-575.	0.0	1
84	Studies on Synthesis and Properties of Novel Surfactants with Unique Structure. <i>Oleosience</i> , 2013, 13, 587-597.	0.0	1
85	Adsorption and Aggregation Properties of Multichain Anionic Amphiphilic Oligomers Consisting of Dodecyl Acrylamide and Sodium Acrylate. <i>Journal of Oleo Science</i> , 2013, 62, 673-680.	0.6	0
86	Amino Acid Surfactants with Hydroxy Group. <i>Oleosience</i> , 2020, 20, 425-430.	0.0	0
87	Quaternary-Ammonium-Salt-Type Amphiphilic Ionic Liquids. <i>Journal of the Japan Society of Colour Material</i> , 2020, 93, 91-98.	0.0	0