Mitsutoshi Masuda

List of Publications by Year
in descending order

93	6,226	94269 37	66788 78
papers	citations	h-index	g-index

96	96	96	4625
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Glycolipid nanotube templates for the production of hydrophilic/hydrophobic and left/right-handed helical polydiacetylene nanotubes. Chemical Communications, 2021, 57, 464-467.	2.2	8
2	Effect of Glycine Position on the Inner Diameter of Supramolecular Nanotubes Consisting of Glycolipid Monolayer Membranes. Bulletin of the Chemical Society of Japan, 2021, 94, 1172-1178.	2.0	6
3	Influences of Hydrogen Bonding-Based Stabilization of Bolaamphiphile Layers on Molecular Diffusion within Organic Nanotubes Having Inner Carboxyl Groups. Langmuir, 2020, 36, 6145-6153.	1.6	11
4	Diffusion Behavior of Differently Charged Molecules in Self-Assembled Organic Nanotubes Studied Using Imaging Fluorescence Correlation Spectroscopy. Langmuir, 2019, 35, 7783-7790.	1.6	9
5	Mass-Producible Organic Nanocapsule with Water-Responsive Releasing Ability. Materials Science Forum, 2018, 916, 14-18.	0.3	0
6	Spectroscopic imaging studies of nanoscale polarity and mass transport phenomena in self-assembled organic nanotubes. Physical Chemistry Chemical Physics, 2017, 19, 20040-20048.	1.3	17
7	Preparation and Formation Process of Zn(II)-Coordinated Nanovesicles. Langmuir, 2017, 33, 14130-14138.	1.6	9
8	Zn-Coordinated Lipid Nanocapsules with High Physical Stability and Water-Responsive Morphological Change. Journal of Oleo Science, 2016, 65, 1011-1016.	0.6	9
9	Lipid Nanotube Tailored Fabrication of Uniquely Shaped Polydopamine Nanofibers as Photothermal Converters. Chemistry - A European Journal, 2016, 22, 4345-4350.	1.7	34
10	Effect of Photoinduced Size Changes on Protein Refolding and Transport Abilities of Soft Nanotubes. Chemistry - A European Journal, 2016, 22, 7198-7205.	1.7	20
11	Molecular-Level Understanding of the Encapsulation and Dissolution of Poorly Water-Soluble Ibuprofen by Functionalized Organic Nanotubes Using Solid-State NMR Spectroscopy. Journal of Physical Chemistry B, 2016, 120, 4496-4507.	1.2	26
12	Organic Nanotube with Subnanometer Inner Diameter Self-assembled from Carboxybetaine Bipolar Amphiphile and Its Stabilization Effect toward Small Molecules. Chemistry Letters, 2016, 45, 1180-1182.	0.7	2
13	Imaging fluorescence correlation spectroscopy studies of dye diffusion in self-assembled organic nanotubes. Physical Chemistry Chemical Physics, 2016, 18, 16766-16774.	1.3	21
14	Supramolecular Self-Assembly into Biofunctional Soft Nanotubes: From Bilayers to Monolayers. Langmuir, 2016, 32, 12242-12264.	1.6	69
15	Quantitative analyses of PEGylated phospholipids adsorbed on single walled carbon nanohorns by high resolution magic angle spinning 1H NMR. Carbon, 2016, 101, 213-217.	5.4	12
16	Soft nanotubes acting as confinement effecters and chirality inducers for achiral polythiophenes. Chemical Communications, 2016, 52, 1346-1349.	2.2	26
17	Qualitative/chiral sensing of amino acids by naked-eye fluorescence change based on morphological transformation and hierarchizing in supramolecular assemblies of pyrene-conjugated glycolipids. Chemical Communications, 2015, 51, 11104-11107.	2.2	43
18	Spontaneous Nematic Alignment of a Lipid Nanotube in Aqueous Solutions. Langmuir, 2015, 31, 1150-1154.	1.6	14

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19	Photoinduced Morphological Transformations of Soft Nanotubes. Chemistry - A European Journal, 2015, 21, 8832-8839.	1.7	36
20	Two-step naked-eye detection of lectin by hierarchical organization of soft nanotubes into liquid crystal and gel phases. Chemical Communications, 2015, 51, 6816-6819.	2.2	20
21	Effects of PEGylation on the physicochemical properties and in vivo distribution of organic nanotubes. International Journal of Nanomedicine, 2014, 9, 5811.	3.3	20
22	BoroxineÂNanotubes: Moistureâ€Sensitive Morphological Transformation and Guest Release. Advanced Functional Materials, 2014, 24, 603-609.	7.8	22
23	Encapsulation of poorly water-soluble drugs into organic nanotubes for improving drug dissolution. International Journal of Pharmaceutics, 2014, 469, 190-196.	2.6	24
24	Self-organized nanotube materials and their application in bioengineering. Polymer Journal, 2014, 46, 831-858.	1.3	80
25	Biologically responsive, sustainable release from metallo-drug coordinated 1D nanostructures. Journal of Materials Chemistry B, 2013, 1, 276-283.	2.9	26
26	A high poly(ethylene glycol) density on graphene nanomaterials reduces the detachment of lipidâ€“poly(ethylene glycol) and macrophage uptake. Acta Biomaterialia, 2013, 9, 4744-4753.	4.1	30
27	Control of Self-assembled Morphology and Molecular Packing of Asymmetric Glycolipids by Association/Dissociation with Poly(thiopheneboronic acid). Langmuir, 2013, 29, 13291-13298.	1.6	18
28	Electric moulding of dispersed lipid nanotubes into a nanofluidic device. Scientific Reports, 2013, 3, 2165.	1.6	15
29	Cisplatin-encapsulated organic nanotubes by endo-complexation in the hollow cylinder. Chemical Communications, 2012, 48, 8625.	2.2	29
30	Soft Nanotubes Acting as a Light-Harvesting Antenna System. Chemistry of Materials, 2012, 24, 209-214.	3.2	59
31	Hybrid Organic Nanotubes with Dual Functionalities Localized on Cylindrical Nanochannels Control the Release of Doxorubicin. Advanced Healthcare Materials, 2012, 1, 699-706.	3.9	30
32	Soft Nanotube Hydrogels Functioning As Artificial Chaperones. ACS Nano, 2012, 6, 5249-5258.	7.3	74
33	Self-assembled organic nanotubes embedding hydrophobic molecules within solid bilayer membranes. Soft Matter, 2011, 7, 85-90.	1.2	23
34	Supramolecular organic nanotubes: how to utilize the inner nanospace and the outer space. Soft Matter, 2011, 7, 4539.	1.2	128
35	Functionalized organic nanotubes as tubular nonviral gene transfer vector. Journal of Controlled Release, 2011, 156, 70-75.	4.8	26
36	Buffers to suppress sodium dodecyl sulfate adsorption to polyethylene oxide for protein separation on capillary polymer electrophoresis. Electrophoresis, 2011, 32, 448-454.	1.3	4

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37	Photoresponsive Soft Nanotubes for Controlled Guest Release. Chemistry - A European Journal, 2011, 17, 5251-5255.	1.7	45
38	Confinement Effect of Organic Nanotubes Toward Green Fluorescent Protein (GFP) Depending on the Inner Diameter Size. Chemistry - A European Journal, 2010, 16, 4217-4223.	1.7	56
39	One-dimensional hollow cylinder and three-dimensional meshworks of supramolecular nanotube hydrogels for fixation of proteins. , 2010, , .		0
40	Lipid Nanotube Encapsulating Method in Low-Energy Scanning Transmission Electron Microscopy Analyses. Japanese Journal of Applied Physics, 2009, 48, 097001.	0.8	13
41	Dynamic lightâ€scattering measurement of sieving polymer solutions for protein separation on SDS CE. Electrophoresis, 2009, 30, 3607-3612.	1.3	18
42	Supramolecular Nanotube Hydrogels: Remarkable Resistance Effect of Confined Proteins to Denaturants. Chemistry of Materials, 2009, 21, 5892-5898.	3.2	63
43	Development of massive synthesis method of organic nanotube toward practical use. Synthesiology, 2009, 1, 169-176.	0.2	7
44	Supramolecular Nanotube endo Sensing for a Guest Protein. Small, 2008, 4, 561-565.	5.2	51
45	Controllable biomolecule release from self-assembled organic nanotubes with asymmetric surfaces: pH and temperature dependence. Soft Matter, 2008, 4, 1681.	1.2	63
46	Lipid Nanotube Encapsulating Method for Two- and Three-Dimensional Transmission Electron Microscopy Analyses of Cage-Shaped Proteins. Japanese Journal of Applied Physics, 2008, 47, 394-399.	0.8	14
47	Title is missing!. Synthesiology, 2008, 1, 183-189.	0.2	5
48	Spontaneous Self-Assembly, Functionalization, and Meso-Scale Host-Guest Science of Organic Nanotubes. Materials Research Society Symposia Proceedings, 2007, 1061, 1.	0.1	0
49	Molecular Monolayer Nanotubes Having 7â€“9 nm Inner Diameters Covered with Different Inner and Outer Surfaces. Chemistry Letters, 2007, 36, 896-897.	0.7	35
50	Functionalizable Organic Nanochannels Based on Lipid Nanotubes:â€‰ Encapsulation and Nanofluidic Behavior of Biomacromolecules. Chemistry of Materials, 2007, 19, 3553-3560.	3.2	110
51	Self-Assembly and Thermal Phase Transition Behavior of Unsymmetrical Bolaamphiphiles Having Glucose- and Amino-Hydrophilic Headgroups. Langmuir, 2007, 23, 4634-4641.	1.6	88
52	Stabilization of an asymmetric bolaamphiphilic sugar-based crown ether hydrogel by hydrogen bonding interaction and its solâ€“gel transcription. Tetrahedron, 2007, 63, 7449-7456.	1.0	32
53	Molecular-Level Helical Stack of a Nucleotide-Appended Oligo(p-phenylenevinylene) Directed by Supramolecular Self-Assembly with a Complementary Oligonucleotide as a Template. Journal of the American Chemical Society, 2006, 128, 13298-13304.	6.6	144
54	Helical Arrays of CdS Nanoparticles Tracing on a Functionalized Chiral Template of Glycolipid Nanotubes. Chemistry of Materials, 2006, 18, 403-406.	3.2	65

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55	Dimension Control of Glycolipid Nanotubes by Successive Use of Vesicle Extrusion and Porous Template. Chemistry of Materials, 2006, 18, 1577-1580.	3.2	20
56	Alignment of Glycolipid Nanotubes on a Planar Glass Substrate Using a Two-Step Microextrusion Technique. Journal of Nanoscience and Nanotechnology, 2006, 6, 1464-1466.	0.9	14
57	FT-IR Study of the Interlamellar Water Confined in Glycolipid Nanotube Walls. Langmuir, 2005, 21, 4610-4614.	1.6	32
58	Encapsulation of Ferritin within a Hollow Cylinder of Glycolipid Nanotubes. Chemistry Letters, 2005, 34, 232-233.	0.7	42
59	Polymorphism of monolayer lipid membrane structures made from unsymmetrical bolaamphiphiles. Carbohydrate Research, 2005, 340, 2502-2509.	1.1	35
60	Chiral Amplification in the Transcription of Supramolecular Helicity into a Polymer Backbone. Angewandte Chemie - International Edition, 2005, 44, 2275-2279.	7.2	137
61	Supramolecular Nanotube Architectures Based on Amphiphilic Molecules. ChemInform, 2005, 36, no.	0.1	3
62	Local Environment and Property of Water inside the Hollow Cylinder of a Lipid Nanotube. Langmuir, 2005, 21, 721-727.	1.6	67
63	Molecular Structure of Glucopyranosylamide Lipid and Nanotube Morphology. Langmuir, 2005, 21, 743-750.	1.6	93
64	Supramolecular Nanotube Architectures Based on Amphiphilic Molecules. Chemical Reviews, 2005, 105, 1401-1444.	23.0	1,398
65	Unsaturation Effect on Gelation Behavior of Aryl Glycolipids. Langmuir, 2004, 20, 2060-2065.	1.6	86
66	Lipid Nanotubes and Microtubes:â€‰ Experimental Evidence for Unsymmetrical Monolayer Membrane Formation from Unsymmetrical Bolaamphiphiles. Langmuir, 2004, 20, 5969-5977.	1.6	156
67	Oligonucleotide-Templated Self-Assembly of Nucleotide Bolaamphiphiles: DNA-Like Nanofibers Edged by a Double-Helical Arrangement of Aâ€“T Base Pairs. Angewandte Chemie - International Edition, 2003, 42, 1009-1012.	7.2	134
68	Preliminary communication Liquid crystalline cardanyl Î²-D-glucopyranosides. Liquid Crystals, 2003, 30, 747-749.	0.9	20
69	Photoinitiated Polymerization of Columnar Stacks of Self-Assembled Trialkyl-1,3,5-benzenetricarboxamide Derivatives. Journal of the American Chemical Society, 2003, 125, 15935-15940.	6.6	57
70	Effective Shortening in Length of Glycolipid Nanotubes with High Axial Ratios. Chemistry Letters, 2003, 32, 1146-1147.	0.7	14
71	Spontaneous Fiber Formation and Hydrogelation of Nucleotide Bolaamphiphiles. Chemistry of Materials, 2002, 14, 3047-3053.	3.2	169
72	Self-Assembly of a Sugar-Based Gelator in Water:â€‰ Its Remarkable Diversity in Gelation Ability and Aggregate Structure. Langmuir, 2001, 17, 7229-7232.	1.6	232

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73	Internucleobase-Interaction-Directed Self-Assembly of Nanofibers from Homo- and Heteroditopic 1,Ï‰-Nucleobase Bolaamphiphiles. Journal of the American Chemical Society, 2001, 123, 5947-5955.	6.6	162
74	Multilayer structure of an unsymmetrical monolayer lipid membrane with a â€˜head-to-tailâ€™ interface. Chemical Communications, 2001, , 2442-2443.	2.2	42
75	Helical Ribbon Aggregate Composed of a Crown-Appended Cholesterol Derivative Which Acts as an Amphiphilic Gelator of Organic Solvents and as a Template for Chiral Silica Transcription. Journal of the American Chemical Society, 2001, 123, 8785-8789.	6.6	290
76	Molecular structures and hydrogen-bond networks in crystals of synthetic 1-d-galactosamide bolaamphiphiles. Carbohydrate Research, 2000, 326, 56-66.	1.1	21
77	Polymerization in Nanometer-Sized Fibers:â€‰ Molecular Packing Order and Polymerizability. Macromolecules, 2000, 33, 9233-9238.	2.2	72
78	Conformational and Thermal Phase Behavior of Oligomethylene Chains Constrained by Carbohydrate Hydrogen-Bond Networks. Journal of the American Chemical Society, 2000, 122, 12327-12333.	6.6	73
79	Molecular dynamics simulation for the crystal structure of synthetic sugar-based bolaamphiphiles. Computational Materials Science, 1999, 14, 267-276.	1.4	6
80	Spontaneous Formation of Helically Twisted Fibers from 2-Glucosamide Bolaamphiphiles:Â Energy-Filtering Transmission Electron Microscopic Observation and Evenâ^'Odd Effect of Connecting Bridge. Langmuir, 1999, 15, 4757-4764.	1.6	88
81	Dicarboxylic Oligopeptide Bolaamphiphiles:Â Proton-Triggered Self-Assembly of Microtubes with Loose Solid Surfaces. Langmuir, 1998, 14, 4978-4986.	1.6	224
82	Polymerization of Bolaform Butadiyne 1-Glucosamide in Self-Assembled Nanoscale-Fiber Morphology. Macromolecules, 1998, 31, 9403-9405.	2.2	89
83	Synthesis of Novel Î±,Ï‰-Type 1-Glucosamide and 1-Galactosamide Bolaamphiphiles. Journal of Carbohydrate Chemistry, 1998, 17, 405-416.	0.4	24
84	Supramolecular Polyglycine II-Type Structure of Glycylglycine Bolaamphiphile. Supramolecular Chemistry, 1998, 9, 183-189.	1.5	29
85	Non-Covalent Synthesis of Twisted Organic Fibers by Self-Assembling of Sugar-Based Bolaamphiphiles in Water. Molecular Crystals and Liquid Crystals, 1997, 295, 197-200.	0.3	2
86	Hydrogen-Bond-Assisted Layered Assembly and Hydrocarbon-Chain Kink Defect of a Synthetic 1-Galactosamide Bolaamphiphile. Chemistry Letters, 1997, 26, 267-268.	0.7	10
87	Precision Polymerization and Polymers II. Noncovalent Synthesis of Supramolecular Polymer Architectures from Sugar- and Peptide-Based Bolaamphiphiles.. Kobunshi Ronbunshu, 1997, 54, 815-828.	0.2	4
88	Formation of Complementary and Cooperative Hydrogen-Bonding Networks of Sugar-Based Bolaamphiphiles in Water. Molecular Crystals and Liquid Crystals, 1997, 295, 201-204.	0.3	0
89	Noncovalent Formation of Polyglycine II-Type Structure by Hexagonal Self-Assembly of Linear Polymolecular Chains. Journal of the American Chemical Society, 1997, 119, 6209-6210.	6.6	68
90	Stereochemical Effect of Evenâ^'Odd Connecting Links on Supramolecular Assemblies Made of 1-Glucosamide Bolaamphiphiles. Journal of the American Chemical Society, 1997, 119, 2812-2818.	6.6	234

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91	Non-mesogenic crystal structure of a synthetic 1-d-glucosamide bolaamphiphile. Carbohydrate Research, 1997, 302, 139-147.	1.1	24
92	Formation of complementary and cooperative hydrogen-bonding networks of sugar-based bolaamphiphiles in water. Chemical Communications, 1996, , 1057.	2.2	23
93	Vesicle assembly in microtubes. Nature, 1996, 383, 487-488.	13.7	186