Toshimi Shimizu

List of Publications by Year
in descending order

243	11,173	24978	35952
papers	citations	57 h-index	97 g-index

250	250	250	7474
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Supramolecular Nanotube Architectures Based on Amphiphilic Molecules. Chemical Reviews, 2005, 105, 1401-1444.	23.0	1,398
2	Creation of Novel Helical Ribbon and Double-Layered Nanotube TiO2Structures Using an Organogel Template. Chemistry of Materials, 2002, 14, 1445-1447.	3.2	397
3	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
4	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
5	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
6	Dicarboxylic Oligopeptide Bolaamphiphiles:Â Proton-Triggered Self-Assembly of Microtubes with Loose Solid Surfaces. Langmuir, 1998, 14, 4978-4986.	1.6	224
7	Nanotube Formation from Renewable Resources via Coiled Nanofibers. Advanced Materials, 2001, 13, 715-718.	11.1	208
8	Vesicle assembly in microtubes. Nature, 1996, 383, 487-488.	13.7	186
9	Spectral Characterization of Self-Assemblies of Aldopyranoside Amphiphilic Gelators: What is the Essential Structural Difference Between Simple Amphiphiles and Bolaamphiphiles?. Chemistry - A European Journal, 2002, 8, 2684.	1.7	173
10	Spontaneous Fiber Formation and Hydrogelation of Nucleotide Bolaamphiphiles. Chemistry of Materials, 2002, 14, 3047-3053.	3.2	169
11	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
12	Lipid Nanotubes and Microtubes:â€‰ Experimental Evidence for Unsymmetrical Monolayer Membrane Formation from Unsymmetrical Bolaamphiphiles. Langmuir, 2004, 20, 5969-5977.	1.6	156
13	Soft-Matter Nanotubes: A Platform for Diverse Functions and Applications. Chemical Reviews, 2020, 120, 2347-2407.	23.0	147
14	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
15	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
16	Lipid Nanotubes: A Unique Template To Create Diverse One-Dimensional Nanostructures. Chemistry of Materials, 2008, 20, 625-633.	3.2	129
17	Current/Voltage Characteristics of Monolayers of Redox-Switchable [2]Catenanes on Gold. Advanced Materials, 2000, 12, 1099-1102.	11.1	127
18	Self-Assembling Structures of Long-Chain Phenyl Glucoside Influenced by the Introduction of Double Bonds. Journal of the American Chemical Society, 2002, 124, 10674-10675.	6.6	127

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19	Switching â€œOnâ€•and â€œOffâ€•the Expression of Chirality in Peptide Rotaxanes. Journal of the American Chemical Society, 2002, 124, 2939-2950.	6.6	118
20	Creation of Novel Double-Helical Silica Nanotubes Using Binary Gel System. Langmuir, 2002, 18, 8724-8727.	1.6	116
21	Functionalizable Organic Nanochannels Based on Lipid Nanotubes:â€‰ Encapsulation and Nanofluidic Behavior of Biomacromolecules. Chemistry of Materials, 2007, 19, 3553-3560.	3.2	110
22	Morphological Control of Helical Solid Bilayers in High-Axial-Ratio Nanostructures Through Binary Self-Assembly. Chemistry - A European Journal, 2002, 8, 5494-5500.	1.7	106
23	Bottom-Up Synthesis and Structural Properties of Self-Assembled High-Axial-Ratio Nanostructures. Macromolecular Rapid Communications, 2002, 23, 311-331.	2.0	102
24	Creation of Double Silica Nanotubes by Using Crown-Appended Cholesterol Nanotubes. Chemistry - A European Journal, 2003, 9, 5307-5313.	1.7	100
25	Threading-Followed-by-Shrinking Protocol for the Synthesis of a [2]Rotaxane Incorporating a Pd(II)â^'Salophen Moiety. Journal of the American Chemical Society, 2004, 126, 16740-16741.	6.6	95
26	Preparation of Mesoscale and Macroscale Silica Nanotubes Using a Sugar-Appended Azonaphthol Gelator Assembly. Nano Letters, 2002, 2, 17-20.	4.5	94
27	Nanometer-Level Solâ^'Gel Transcription of Cholesterol Assemblies into Monodisperse Inner Helical Hollows of the Silica. Chemistry of Materials, 2003, 15, 2141-2145.	3.2	94
28	Glycolipid Nanotube Hollow Cylinders as Substrates:Â Fabrication of One-Dimensional Metallicâ^'Organic Nanocomposites and Metal Nanowires. Chemistry of Materials, 2004, 16, 2826-2831.	3.2	94
29	Molecular Structure of Glucopyranosylamide Lipid and Nanotube Morphology. Langmuir, 2005, 21, 743-750.	1.6	93
30	Self-Assembly of Discrete Organic Nanotubes. Bulletin of the Chemical Society of Japan, 2018, 91, 623-668.	2.0	91
31	Polymerization of Bolaform Butadiyne 1-Glucosamide in Self-Assembled Nanoscale-Fiber Morphology. Macromolecules, 1998, 31, 9403-9405.	2.2	89
32	Local and Network Structure of Thermoreversible Polyrotaxane Hydrogels Based on Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.2	89
33	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
34	Self-Assembly and Thermal Phase Transition Behavior of Unsymmetrical Bolaamphiphiles Having Glucose- and Amino-Hydrophilic Headgroups. Langmuir, 2007, 23, 4634-4641.	1.6	88
35	Aligning a Single-Lipid Nanotube with Moderate Stiffness. Angewandte Chemie - International Edition, 2003, 42, 72-74.	7.2	86
36	Unsaturation Effect on Gelation Behavior of Aryl Glycolipids. Langmuir, 2004, 20, 2060-2065.	1.6	86

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37	Self-organized nanotube materials and their application in bioengineering. Polymer Journal, 2014, 46, 831-858.	1.3	80
38	Selective Construction of Supramolecular Nanotube Hosts with Cationic Inner Surfaces. Advanced Materials, 2005, 17, 2732-2736.	11.1	79
39	Bottom-Up Synthesis and Morphological Control of High-Axial-Ratio Nanostructures through Molecular Self-Assembly. Polymer Journal, 2003, 35, 1-22.	1.3	75
40	Soft Nanotube Hydrogels Functioning As Artificial Chaperones. ACS Nano, 2012, 6, 5249-5258.	7.3	74
41	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
42	Direct Solâ˜'Gel Replication without Catalyst in an Aqueous Gel System:Â From a Lipid Nanotube with a Single Bilayer Wall to a Uniform Silica Hollow Cylinder with an Ultrathin Wall. Chemistry of Materials, 2004, 16, 250-254.	3.2	73
43	Polymerization in Nanometer-Sized Fibers:â€‰ Molecular Packing Order and Polymerizability. Macromolecules, 2000, 33, 9233-9238.	2.2	72
44	STM Observation of Alkyl-Chain-Assisted Self-Assembled Monolayers of Pyridine-Coordinated Porphyrin Rhodium Chlorides. Langmuir, 2004, 20, 5454-5459.	1.6	71
45	Supramolecular Self-Assembly into Biofunctional Soft Nanotubes: From Bilayers to Monolayers. Langmuir, 2016, 32, 12242-12264.	1.6	69
46	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
47	Reversible Photochemical Conversion of Helicity in Self-Assembled Nanofibers from a 1,ï‰-Thymidylic Acid Appended Bolaamphiphile. Angewandte Chemie - International Edition, 2006, 45, 4601-4604.	7.2	68
48	Selfâ€assembled organic nanotubes: Toward attoliter chemistry. Journal of Polymer Science Part A, 2008, 46, 2601-2611.	2.5	68
49	Local Environment and Property of Water inside the Hollow Cylinder of a Lipid Nanotube. Langmuir, 2005, 21, 721-727.	1.6	67
50	Instant Preparation of Self-Assembled Metal-Complexed Lipid Nanotubes That Act as Templates to Produce Metal-Oxide Nanotubes. Advanced Materials, 2007, 19, 242-246.	11.1	67
51	Helical Arrays of CdS Nanoparticles Tracing on a Functionalized Chiral Template of Glycolipid Nanotubes. Chemistry of Materials, 2006, 18, 403-406.	3.2	65
52	Self-assembling structures of steroidal derivatives in organic solvents and their solâ€“gel transcription into double-walled transition-metal oxide nanotubes. Journal of Materials Chemistry, 2005, 15, 3979.	6.7	64
53	Self-assembled lipid nanotube hosts: The dimension control for encapsulation of nanometer-scale guest substances. Journal of Polymer Science Part A, 2006, 44, 5137-5152.	2.5	63
54	Controllable biomolecule release from self-assembled organic nanotubes with asymmetric surfaces: pH and temperature dependence. Soft Matter, 2008, 4, 1681.	1.2	63

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55	Supramolecular Nanotube Hydrogels: Remarkable Resistance Effect of Confined Proteins to Denaturants. Chemistry of Materials, 2009, 21, 5892-5898.	3.2	63
56	Aggregation of self-assembling branched [n]rotaxanes. New Journal of Chemistry, 1998, 22, 959-972.	1.4	62
57	Soft Nanotubes Acting as a Light-Harvesting Antenna System. Chemistry of Materials, 2012, 24, 209-214.	3.2	59
58	Organic supramolecular architectures and their sol-gel transcription to Silica nanotubes. Chemical Record, 2003, 3, 212-224.	2.9	58
59	Confined organization of Au nanocrystals in glycolipid nanotube hollow cylinders. Chemical Communications, 2004, , 500-501.	2.2	57
60	Molecular Self-Assembly into One-Dimensional Nanotube Architectures and Exploitation of Their Functions. Bulletin of the Chemical Society of Japan, 2008, 81, 1554-1566.	2.0	57
61	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
62	pH-dependent reversible polymers formed from cyclic sugar- and aromatic boronic acid-based bolaamphiphiles. Chemical Communications, 2000, , 881-882.	2.2	54
63	Regulation of Silica Nanotube Diameters:Â Solâ''Gel Transcription Using Solvent-Sensitive Morphological Change of Peptidic Lipid Nanotubes as Templates. Chemistry of Materials, 2007, 19, 1329-1334.	3.2	53
64	Self-assembled peptide fibers from valylvaline bola-amphiphiles by a parallel Î²-sheet network. Biochimica Et Biophysica Acta - General Subjects, 2000, 1475, 346-352.	1.1	51
65	Self-Assembling Structures of Long-Chain Sugar-Based Amphiphiles Influenced by the Introduction of Double Bonds. Chemistry - A European Journal, 2005, 11, 5538-5544.	1.7	51
66	Supramolecular Nanotube endo Sensing for a Guest Protein. Small, 2008, 4, 561-565.	5.2	51
67	New Vistas in Dehydrocoupling Polymerization of Hydrosilanes: Platinum Complex-Catalyzed Dehydrocoupling of Cyclic and Acyclic Secondary Silanes. Chemistry Letters, 1997, 26, 785-786.	0.7	48
68	Growth Process and Molecular Packing of a Self-assembled Lipid Nanotube:â€‰ Phase-Contrast Transmission Electron Microscopy and XRD Analyses. Langmuir, 2008, 24, 709-713.	1.6	47
69	Self-assembling properties of synthetic peptidic lipids. Biochimica Et Biophysica Acta - Biomembranes, 1993, 1147, 50-58.	1.4	46
70	Intralayer hydrogen-bond-directed self-assembly of nano-fibers from dicarboxylic valylvaline bolaamphiphiles. Chemical Communications, 1998, , 1791-1792.	2.2	46
71	Photoresponsive Soft Nanotubes for Controlled Guest Release. Chemistry - A European Journal, 2011, 17, 5251-5255.	1.7	45
72	Detection of a specific DNA sequence by electrophoresis through a molecularly imprinted polymer. Biomaterials, 2006, 27, 4177-4182.	5.7	43

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73	Alkyl Chain Length Dependence of the Self-Organized Structure of Alkyl-Substituted Phthalocyanines. Langmuir, 2008, 24, 4708-4714.	1.6	43
74	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
75	Multilayer structure of an unsymmetrical monolayer lipid membrane with a â€˜head-to-tailâ€™ interface. Chemical Communications, 2001, , 2442-2443.	2.2	42
76	A Quartz Crystal Microbalance Method for Rapid Detection and Differentiation of Shiga Toxins by Applying a Monoalkyl Globobioside as the Toxin Ligand. Biomacromolecules, 2002, 3, 411-414.	2.6	42
77	Encapsulation of Ferritin within a Hollow Cylinder of Glycolipid Nanotubes. Chemistry Letters, 2005, 34, 232-233.	0.7	42
78	Self-assembly of glycolipids on silica nanotube templates yielding hybrid nanotubes with concentric organic and inorganic layers. Journal of Materials Chemistry, 2005, 15, 743.	6.7	42
79	Hydrogel behavior of a sugar-based gelator by introduction of an unsaturated moiety as a hydrophobic group. Organic and Biomolecular Chemistry, 2006, 4, 2033.	1.5	42
80	Antimicrobial Nanotubes Consisting of Agâ€Embedded Peptidic Lipidâ€Bilayer Membranes as Delivery Vehicles. Advanced Materials, 2009, 21, 1742-1745.	11.1	41
81	Chemical synthesis of transition metal oxide nanotubes in water using an iced lipid nanotube as a template. Chemical Communications, 2005, , 4411.	2.2	40
82	Fluorescent Nanotubes Consisting of CdS-Embedded Bilayer Membranes of a Peptide Lipid. Advanced Materials, 2007, 19, 1055-1058.	11.1	40
83	Necklace-like Chains of Hybrid Nanospheres Consisting of Pd Nanocystals and Peptidic Lipids. Journal of the American Chemical Society, 2009, 131, 2456-2457.	6.6	40
84	Molecular Motion of Surface-Immobilized Double-Decker Phthalocyanine Complexes. Journal of the American Chemical Society, 2009, 131, 17808-17813.	6.6	39
85	Organic nanotubes for drug loading and cellular delivery. International Journal of Pharmaceutics, 2011, 413, 271-278.	2.6	39
86	DNA detection system using molecularly imprinted polymer as the gel matrix in electrophoresis. Biosensors and Bioelectronics, 2007, 22, 1974-1981.	5.3	37
87	Photoinduced Morphological Transformations of Soft Nanotubes. Chemistry - A European Journal, 2015, 21, 8832-8839.	1.7	36
88	Polymorphism of monolayer lipid membrane structures made from unsymmetrical bolaamphiphiles. Carbohydrate Research, 2005, 340, 2502-2509.	1.1	35
89	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
90	Title is missing!. Angewandte Chemie, 2003, 115, 1039-1042.	1.6	34

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91	Lipid Nanotube Tailored Fabrication of Uniquely Shaped Polydopamine Nanofibers as Photothermal Converters. Chemistry - A European Journal, 2016, 22, 4345-4350.	1.7	34
92	Electrochemical copolymerization of 3-dodecylthiophene and 3-methylthiophene. Die Makromolekulare Chemie, 1990, 191, 313-319.	1.1	32
93	FT-IR Study of the Interlamellar Water Confined in Glycolipid Nanotube Walls. Langmuir, 2005, 21, 4610-4614.	1.6	32
94	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
95	Soft Nanotubes with a Hydrophobic Channel Hybridized with Au Nanoparticles: Photothermal Dispersion/Aggregation Control of C60 in Water. Advanced Functional Materials, 2013, 23, 1677-1683.	7.8	31
96	Development of Novel Nanopipette with a Lipid Nanotube as Nanochannel. Journal of Robotics and Mechatronics, 2007, 19, 528-534.	0.5	31
97	One-dimensional organization of copper nanoparticles by chemical reduction of lipid-copper hybrid nanofibers. Chemical Communications, 2002, , 2492-2493.	2.2	30
98	Highly efficient production of various organic nanotubes with different surfaces and their application to an adsorbent. Soft Matter, 2010, 6, 4528.	1.2	30
99	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
100	Supramolecular Polyglycine II-Type Structure of Glycylglycine Bolaamphiphile. Supramolecular Chemistry, 1998, 9, 183-189.	1.5	29
101	Cisplatin-encapsulated organic nanotubes by endo-complexation in the hollow cylinder. Chemical Communications, 2012, 48, 8625.	2.2	29
102	Cross-Section Molecular Imaging of Supramolecular Microtubes with Contact Atomic Force Microscopy. Angewandte Chemie - International Edition, 1998, 37, 3260-3262.	7.2	27
103	Preparation of Porphyrin-stoppered Rotaxane Aiming at Immobilization on Substrate. Chemistry Letters, 2002, 31, 174-175.	0.7	27
104	Transition Metal(II)â€“Salen and â€“Salophen Macrocyclic Complexes for Rotaxane Formation: Syntheses and Crystal Structures. European Journal of Inorganic Chemistry, 2007, 2007, 4229-4237.	1.0	27
105	Copper(II)-coordinated organic nanotube: A novel heterogeneous catalyst for various oxidation reactions. Catalysis Communications, 2010, 12, 9-13.	1.6	26
106	Functionalized organic nanotubes as tubular nonviral gene transfer vector. Journal of Controlled Release, 2011, 156, 70-75.	4.8	26
107	Biologically responsive, sustainable release from metallo-drug coordinated 1D nanostructures. Journal of Materials Chemistry B, 2013, 1, 276-283.	2.9	26
108	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

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109	Soft nanotubes acting as confinement effecters and chirality inducers for achiral polythiophenes. Chemical Communications, 2016, 52, 1346-1349.	2.2	26
110	Non-mesogenic crystal structure of a synthetic 1-d-glucosamide bolaamphiphile. Carbohydrate Research, 1997, 302, 139-147.	1.1	24
111	Synthesis of Novel Î±,Ï‰-Type 1-Glucosamide and 1-Galactosamide Bolaamphiphiles. Journal of Carbohydrate Chemistry, 1998, 17, 405-416.	0.4	24
112	Controlling Wall Thickness of Silica Nanotubes within 4-nm Precision. Chemistry Letters, 2004, 33, 504-505.	0.7	24
113	Encapsulation of poorly water-soluble drugs into organic nanotubes for improving drug dissolution. International Journal of Pharmaceutics, 2014, 469, 190-196.	2.6	24
114	Formation of complementary and cooperative hydrogen-bonding networks of sugar-based bolaamphiphiles in water. Chemical Communications, 1996, , 1057.	2.2	23
115	Aligned Nanocables: Controlled Sheathing of CuO Nanowires by a Selfâ€Assembled Tubular Glycolipid. Advanced Materials, 2007, 19, 4194-4197.	11.1	23
116	Self-assembled helical ribbon and tubes of alanine-based amphiphiles induced by two different formation mechanisms. Tetrahedron, 2008, 64, 1301-1308.	1.0	23
117	Self-assembled organic nanotubes embedding hydrophobic molecules within solid bilayer membranes. Soft Matter, 2011, 7, 85-90.	1.2	23
118	Synthesis of a [2]Rotaxane Incorporating a Ni(II)â^'Salen Moiety:â€‰ Evidence of Ring-Opening-and-Closing Protocol. Organic Letters, 2006, 8, 2341-2344.	2.4	22
119	Diverse Morphologies of Selfâ€Assemblies from Homoditopic 1,18â€Nucleotideâ€Appended Bolaamphiphiles: Effects of Nucleobases and Complementary Oligonucleotides. Small, 2010, 6, 1131-1139.	5.2	22
120	BoroxineÂNanotubes: Moistureâ€Sensitive Morphological Transformation and Guest Release. Advanced Functional Materials, 2014, 24, 603-609.	7.8	22
121	Cation binding cyclic peptides composed of imino acid residues. Biopolymers, 1980, 19, 2247-2265.	1.2	21
122	Crystal structure and conformation of a cyclic tetrapeptidecyclo(L-Pro-Sar)2 containing all-cis peptide units. Biopolymers, 1983, 22, 633-641.	1.2	21
123	A newly prepared surface-treated oxystarch for removal of urea. Journal of Biomedical Materials Research Part B, 1983, 17, 597-612.	3.0	21
124	Molecular structures and hydrogen-bond networks in crystals of synthetic 1-d-galactosamide bolaamphiphiles. Carbohydrate Research, 2000, 326, 56-66.	1.1	21
125	Preliminary communication Liquid crystalline cardanyl Î²-D-glucopyranosides. Liquid Crystals, 2003, 30, 747-749.	0.9	20
126	Metal-complexed nanofiber formation in water from dicarboxylic valylvaline bolaamphiphiles. Journal of Colloid and Interface Science, 2004, 273, 394-399.	5.0	20

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127	Dimension Control of Glycolipid Nanotubes by Successive Use of Vesicle Extrusion and Porous Template. Chemistry of Materials, 2006, 18, 1577-1580.	3.2	20
128	Effects of PEGylation on the physicochemical properties and in vivo distribution of organic nanotubes. International Journal of Nanomedicine, 2014, 9, 5811.	3.3	20
129	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
130	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
131	Photoreaction of trans-4-octadecanoxycinnamic acid in monolayers. Thin Solid Films, 1985, 133, 165-173.	0.8	19
132	Synthesis of Sphingadienine-type Glucocerebrosides 1. Tetrahedron, 2000, 56, 533-545.	1.0	19
133	NMR and X-ray Crystallographic Analysis of Thermodynamically Stable Tetraphenylporphyrin-Stoppered Rotaxanes. European Journal of Organic Chemistry, 2003, 2003, 3744-3751.	1.2	19
134	Synthesis and characterisation of macrocyclic palladium(ii)â€“sodium(i) complexes: generation of an unusual metal-mediated electron delocalisation. Dalton Transactions, 2004, , 1513-1515.	1.6	19
135	Scanning Tunneling Microscopy Observation of Self-Assembled Monolayers of Strapped Porphyrins. Langmuir, 2008, 24, 12877-12882.	1.6	19
136	Semisolid Phase Synthesis of Metal-complexed Organic Nanotubes. Chemistry Letters, 2010, 39, 822-823.	0.7	19
137	A hydro/organo/hybrid gelator: A peptide lipid with turning aspartame head groups. Journal of Colloid and Interface Science, 2013, 395, 154-160.	5.0	19
138	Dynamic lightâ€scattering measurement of sieving polymer solutions for protein separation on SDS CE. Electrophoresis, 2009, 30, 3607-3612.	1.3	18
139	Solvent-chirality selective organogelation by chiral aspartame lipids. Soft Matter, 2012, 8, 11979.	1.2	18
140	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
141	Formation of Self-Assembled Glycolipid Nanotubes with Bilayer Sheets. Journal of Nanoscience and Nanotechnology, 2007, 7, 960-964.	0.9	17
142	Single bilayered organic nanotubes: anchors for production of a reusable catalyst with nickel ions. Green Chemistry, 2011, 13, 1138.	4.6	17
143	Effects of oligoDNA template length and sequence on binary self-assembly of a nucleotide bolaamphiphile. Organic and Biomolecular Chemistry, 2007, 5, 3450.	1.5	16
144	Cation-binding Properties of Ionophorous Cyclic Octapeptide in Acetonitrile Solution. Bulletin of the Chemical Society of Japan, 1985, 58, 3436-3443.	2.0	15

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145	Aggregation morphology of synthetic peptidic amphiphiles. Thin Solid Films, 1989, 180, 179-183.	0.8	15
146	1H NMR analysis of porphyrin-stoppered rotaxanes: effect of the porphyrin substituents on the macrocycleElectronic supplementary information (ESI) available: chemical shift data. See http://www.rsc.org/suppdata/nj/b4/b403707c/. New Journal of Chemistry, 2004, 28, 870.	1.4	15
147	Measuring the Length Distribution of Self-Assembled Lipid Nanotubes by Orientation Control with a High-Frequency Alternating Current Electric Field in Aqueous Solutions. Analytical Chemistry, 2009, 81, 1459-1464.	3.2	15
148	Electric moulding of dispersed lipid nanotubes into a nanofluidic device. Scientific Reports, 2013, 3, 2165.	1.6	15
149	Asymmetric halogenation and hydrohalogenation of styrene in crystalline cyclodextrin complexes. Journal of Inclusion Phenomena, 1987, 5, 449-458.	0.6	14
150	Effective Shortening in Length of Glycolipid Nanotubes with High Axial Ratios. Chemistry Letters, 2003, 32, 1146-1147.	0.7	14
151	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
152	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
153	Spontaneous Nematic Alignment of a Lipid Nanotube in Aqueous Solutions. Langmuir, 2015, 31, 1150-1154.	1.6	14
154	13C- and1H-nmr evidence for all-cis peptide bonds in cyclic tetrapeptidecyclo(L-Pro-Sar)2. Biopolymers, 1983, 22, 617-632.	1.2	13
155	Study of the factors influencing peak asymmetry on chromatography using a molecularly imprinted polymer prepared by the epitope approach. Bioseparation, 2001, 10, 399-407.	0.7	13
156	Detection of complementary hydrogen bond complexes in water by electrospray ionization-Fourier-transform ion cyclotron resonance mass spectrometryElectronic supplementary information (ESI) available: ESI-FTICR MS spectrum of the 1/3 aqueous solution. See http://www.rsc.org/suppdata/cc/b2/b207874k/. Chemical Communications, 2002, , 2658-2659.	2.2	13
157	Synthesis of Alkyl-substituted, Strapped Porphyrin to Prepare Stable Alkyl-chain-assisted Self-assembled Monolayers of Porphyrin Conjugates. Chemistry Letters, 2004, 33, 1418-1419.	0.7	13
158	Elastic precursor of the transformation from glycolipid nanotube to vesicle. Journal of Physics Condensed Matter, 2006, 18, 3089-3096.	0.7	13
159	One-Dimensional Confinement of CdS Nanodots and Subsequent Formation of CdS Nanowires by Using a Glycolipid Nanotube as a Ship-in-Bottle Scaffold. Journal of Physical Chemistry C, 2008, 112, 18412-18416.	1.5	13
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