Masamichi Yamanaka

List of Publications by Year
in descending order

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78 papers	2,498 citations	185998 28 h-index	197535 49 g-index
90 all docs	90 docs citations	90 times ranked	2498 citing authors

#	Article	IF	Citations
1	Self-assembled capsules based on tetrafunctionalized calix[4]resorcinarene cavitands. Chemical Society Reviews, 2015, 44, 449-466.	18.7	230
2	Selective Preparation of Pyridines, Pyridones, and Iminopyridines from Two Different Alkynes via Azazirconacycles. Journal of the American Chemical Society, 2002, 124, 5059-5067.	6.6	182
3	Kinetics and Thermodynamics of Hexameric Capsule Formation. Journal of the American Chemical Society, 2004, 126, 2939-2943.	6.6	159
4	Complete Selection of a Self-Assembling Homo- or Hetero-Cavitand Cage via Metal Coordination Based on Ligand Tuning. Journal of the American Chemical Society, 2004, 126, 13896-13897.	6.6	128
5	Selective Formation of a Self-Assembling Homo or Hetero Cavitand Cage via Metal Coordination Based on Thermodynamic or Kinetic Control. Journal of the American Chemical Society, 2006, 128, 1531-1539.	6.6	109
6	Ytterbium(III) Triflate/TMSCl:â€‰ Efficient Catalyst for Imino Ene Reaction. Organic Letters, 2000, 2, 159-161.	2.4	102
7	Urea derivatives as low-molecular-weight gelators. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2013, 77, 33-48.	0.9	93
8	Synthesis and Cofacial Ï€-Stacked Packing Arrangement of 6,13-Bis(alkylthio)pentacene. Organic Letters, 2006, 8, 2385-2388.	2.4	85
9	Reversible solâ€“gel transition of a trisâ€“urea gelator that responds to chemical stimuli. Tetrahedron Letters, 2007, 48, 8990-8993.	0.7	78
10	Imino Ene Reaction Catalyzed by Ytterbium(III) Triflate and TMSCl or TMSOTf. Journal of Organic Chemistry, 2003, 68, 3112-3120.	1.7	72
11	Encapsulated-guest rotation in a self-assembled heterocapsule directed toward a supramolecular gyroscope. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 10444-10448.	3.3	66
12	Urea Derivatives as Functional Molecules: Supramolecular Capsules, Supramolecular Polymers, Supramolecular Gels, Artificial Hosts, and Catalysts. Chemistry - A European Journal, 2021, 27, 5601-5614.	1.7	62
13	Enantioselective Diels-Alder reactions catalyzed by chiral 1,1â€²-(2,2â€²-bisacylamino)binaphthalene-ytterbium complex. Tetrahedron Letters, 1999, 40, 1555-1558.	0.7	57
14	Separation of proteins using supramolecular gel electrophoresis. Chemical Communications, 2011, 47, 10344.	2.2	51
15	Structural Alteration of Hybrid Supramolecular Capsule Induced by Guest Encapsulation. Journal of the American Chemical Society, 2011, 133, 16650-16656.	6.6	50
16	Lewis Acid-Promoted Coupling Reactions of Acid Chlorides with Organoaluminum and Organozinc Reagents. Journal of Organic Chemistry, 1997, 62, 4327-4329.	1.7	49
17	Resorcinarene assemblies as synthetic receptors. Chemical Communications, 2005, , 857.	2.2	46
18	Haloamidation of alkynes and related reactions using zirconacycles and isocyanates. Tetrahedron, 2004, 60, 1393-1400.	1.0	42

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19	Hybrid Cavitand Capsule with Hydrogen Bonds and Metalâ^'Ligand Coordination Bonds: Guest Encapsulation with Anion Assistance. Journal of the American Chemical Society, 2009, 131, 9880-9881.	6.6	42
20	Chloroalkane Gel Formations by Tris-urea Low Molecular Weight Gelator under Various Conditions. Journal of Organic Chemistry, 2009, 74, 5390-5394.	1.7	40
21	Chemical Stimuliâ€Responsive Supramolecular Hydrogel from Amphiphilic Trisâ€Urea. Chemistry - an Asian Journal, 2011, 6, 1022-1025.	1.7	40
22	Orientational Isomerism and Binding Ability of Nonsymmetrical Guests Encapsulated in a Self-Assembling Heterodimeric Capsule. Chemistry - A European Journal, 2005, 11, 4725-4734.	1.7	38
23	Heterocycle Formation from Zirconacycles. Heterocycles, 2008, 76, 923.	0.4	35
24	Orientational Isomerism Controlled by the Difference in Electronic Environments of a Self-Assembling Heterodimeric Capsule. Journal of Organic Chemistry, 2007, 72, 3242-3246.	1.7	33
25	Stereochemistry in self-assembled encapsulation complexes: Constellational isomerism. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 2669-2672.	3.3	31
26	An intriguing effect of Yb(OTf)3â€"TMSCl in the halogenation of 1,1-disubstituted alkenes by NXS: selective synthesis of allyl halides. Tetrahedron Letters, 2002, 43, 2403-2406.	0.7	30
27	Thixotropic Hydrogel Formation in Various Aqueous Solutions through Selfâ€Assembly of an Amphiphilic Trisâ€Urea. Chemistry - an Asian Journal, 2013, 8, 2584-2587.	1.7	30
28	Pictetâ€"Spengler Reaction of Nitrones and Imines Catalyzed by Yb(OTf)3â€"TMSCl. Chemistry Letters, 2002, 31, 428-429.	0.7	28
29	Tunable Capsule Space:Â Self-Assembly of Hemispherical Cavitands with Hydrogen-Bonding Linkers. Journal of Organic Chemistry, 2006, 71, 8800-8806.	1.7	28
30	Organic Dye Adsorption by Amphiphilic Trisâ€Urea Supramolecular Hydrogel. Chemistry - an Asian Journal, 2017, 12, 2029-2032.	1.7	28
31	Development ofC₃-Symmetric Tris-Urea Low-Molecular-Weight Gelators. Chemical Record, 2016, 16, 768-782.	2.9	26
32	Chiral Auxiliary Approach to the Asymmetric Pictet-Spengler Reaction of Tryptamines. Heterocycles, 1999, 50, 1033.	0.4	26
33	Synthesis and estimation of gelation ability of C3-symmetry tris-urea compounds. Tetrahedron, 2008, 64, 11558-11567.	1.0	25
34	Selfâ€Assembled Boronic Ester Cavitand Capsules with Various Bis(catechol) Linkers: Cavityâ€Expanded and Chiral Capsules. Chemistry - A European Journal, 2015, 21, 13714-13722.	1.7	25
35	Enzymatic hydrolysis-induced degradation of a lactose-coupled supramolecular hydrogel. Chemical Communications, 2018, 54, 8814-8817.	2.2	25
36	Capsular Assemblies of Calix[4]resorcinareneâ€based Cavitands. Asian Journal of Organic Chemistry, 2013, 2, 276-289.	1.3	23

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37	Cationâ€Tuned Stimuliâ€Responsive and Optical Properties of Supramolecular Hydrogels. Chemistry - an Asian Journal, 2015, 10, 1299-1303.	1.7	23
38	Supramolecular Gel Electrophoresis of Acidic Native Proteins. Analytical Chemistry, 2014, 86, 9924-9929.	3.2	21
39	Constellational diastereomers in encapsulation complexes. Chemical Communications, 2004, , 1690.	2.2	20
40	Photoresponsive self-assembled hexameric capsules based on calix[4]resorcinarenes bearing azobenzene dendron conjugates as side chains. Organic and Biomolecular Chemistry, 2015, 13, 8359-8364.	1.5	18
41	Ionic Surfactants Induce Amphiphilic Tris(Urea) Hydrogel Formation. Chemistry - an Asian Journal, 2012, 7, 1768-1771.	1.7	17
42	Europium amphiphilic naphthalene based complex for the enhancement of linearly polarized luminescence in Langmuirâ€“Blodgett films. New Journal of Chemistry, 2019, 43, 6472-6479.	1.4	17
43	Guest-encapsulation behavior in a self-assembled heterodimeric capsule. Tetrahedron, 2009, 65, 7234-7239.	1.0	16
44	Encapsulationâ€Induced Remarkable Stability of a Hydrogenâ€Bonded Heterocapsule. Chemistry - A European Journal, 2013, 19, 3685-3692.	1.7	14
45	Construction of Two- or Three-Component Low Molecular Weight Gel Systems. Bulletin of the Chemical Society of Japan, 2010, 83, 1127-1131.	2.0	12
46	Effect of Optical Purity of C3-Symmetric Chiral Tris-ureas on Supramolecular Gel Formation. Chemistry Letters, 2013, 42, 229-231.	0.7	12
47	Enzyme responsive properties of amphiphilic urea supramolecular hydrogels. Polymer Journal, 2020, 52, 931-938.	1.3	12
48	Supramolecular gel electrophoresis. Polymer Journal, 2018, 50, 627-635.	1.3	11
49	Gelation and luminescence of lanthanide hydrogels formed with deuterium oxide. RSC Advances, 2019, 9, 1949-1955.	1.7	11
50	Synthesis of a Bisâ€Urea Dimer and Its Effects on the Physical Properties of an Amphiphilic Trisâ€Urea Supramolecular Hydrogel. Chemistry - an Asian Journal, 2018, 13, 929-933.	1.7	8
51	Hydrogenâ€Bond and Metalâ€“Ligand Coordination Bond Hybrid Supramolecular Capsules: Identification of Hemicapsular Intermediate and Dual Control of Guest Exchange Dynamics. Chemistry - an Asian Journal, 2014, 9, 1076-1082.	1.7	7
52	Reinforcement of guest selectivity through the self-assembly of host molecules: selective recognition of lithium ions by dimerizable tricarboxylic acids. Chemical Communications, 2015, 51, 12920-12923.	2.2	7
53	Palladium ion-induced supramolecular gel formation of tris-urea molecules. Polymer Journal, 2015, 47, 136-140.	1.3	7
54	Effect of Alkyl Chain Length of Nâ€Alkylâ€Nâ€²â€(2â€benzylphenyl)ureas on Gelation. Chemistry - an Asian Journal, 2021, 16, 1750-1755.	1.7	7

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55	Metal salt-induced regelation of acetone solutions of tris-urea low-molecular weight gelator and anions. Supramolecular Chemistry, 2011, 23, 140-143.	1.5	5
56	Amphoteric Homotropic Allosteric Association between a Hexakisâ€Urea Receptor and Dihydrogen Phosphate. Chemistry - A European Journal, 2019, 25, 16201-16206.	1.7	5
57	Biological-stimuli-responsive Supramolecular Hydrogels toward Medicinal and Pharmaceutical Applications. Chemistry Letters, 2021, 50, 459-466.	0.7	5
58	Novel Synthetic Method for 2,3-Dihydro-3-halo-3-methylindole fromN-Acetyl-2-isopropenylaniline by Intramolecular Haloamination. Synlett, 2002, 2002, 1514-1516.	1.0	4
59	Effect of Sodium Dodecyl Sulfate Concentration on Supramolecular Gel Electrophoresis. ChemNanoMat, 2016, 2, 423-425.	1.5	4
60	Supramolecular gel electrophoresis of large DNA fragments. Electrophoresis, 2017, 38, 2662-2665.	1.3	4
61	Solventâ€Modulated Selfâ€Assembly of C₃â€Symmetric Trisâ€Urea into a Discrete Dimer and Supramolecular Gel. Asian Journal of Organic Chemistry, 2014, 3, 847-850.	1.3	3
62	Gabriel Synthesis of Hexakis(aminomethyl)benzene and Its Derivatization. ChemistrySelect, 2018, 3, 6112-6115.	0.7	3
63	Enzymatic Hydrolysisâ€Responsive Supramolecular Hydrogels Composed of Maltoseâ€Coupled Amphiphilic Ureas. Chemistry - an Asian Journal, 2021, 16, 1937-1941.	1.7	3
64	Synthesis of a C3-symmetric tris-imine via dynamic covalent bond formation between a trialdehyde and a triamine. Tetrahedron Letters, 2017, 58, 4612-4616.	0.7	2
65	Studies on the Asymmetric Diels-Alder Reaction of Dihydropyridin-2-one with Silyloxydienes. Heterocycles, 2002, 56, 283.	0.4	2
66	Formation of pH-Responsive Supramolecular Hydrogels in Basic Buffers: Self-assembly of Amphiphilic Tris-Urea. Chemical and Pharmaceutical Bulletin, 2021, 69, 1131-1135.	0.6	2
67	Dynamics of Supramolecular Capsule. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2004, 62, 1218-1226.	0.0	1
68	On-demand gelation of ionic liquids using photoresponsive organometallic gelators. Soft Matter, 2022, 18, 3479-3486.	1.2	1
69	Imino Ene Reaction Catalyzed by Ytterbium(III) Triflate and TMSCl or TMSOTf.. ChemInform, 2003, 34, no.	0.1	0
70	Dynamics of Supramolecular Capsule. ChemInform, 2005, 36, no.	0.1	0
71	Synthesis of a C₂â€Symmetrical Tetrakis(arylethynyl) Cavitand and Formation of Hybrid Hydrogenâ€Bonded/Metalâ€Ligand Coordination Supramolecular Capsules. Asian Journal of Organic Chemistry, 2014, 3, 762-765.	1.3	0
72	Elements of Sports: From IYPT 2019 to Tokyo 20201. Chemistry International, 2020, 42, 5-7.	0.3	0

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73	Frontispiece: Urea Derivatives as Functional Molecules: Supramolecular Capsules, Supramolecular Polymers, Supramolecular Gels, Artificial Hosts, and Catalysts. Chemistry - A European Journal, 2021, 27, .	1.7	0
74	Development of protein electrophoresis using supramolecular hydrogel. Seibutsu Butsuri Kagaku, 2014, 58, 9-11.	0.1	0
75	Development of native protein electrophoresis using supramolecular hydrogel. Denki Eido, 2015, 59, 100-102.	0.0	0
76	Synthesis and Gelation Ability of <i>C</i>₃-Symmetric Tris-Ureas. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2017, 75, 650-658.	0.0	0
77	Supramolecular Gel Electrophoresis of Protein. World Scientific Series in Nanoscience and Nanotechnology, 2019, , 67-86.	0.1	0
78	Multiple Stimuli-Responsive Supramolecular Gel Formed from Modified Adenosine. Chemical and Pharmaceutical Bulletin, 2022, 70, 443-447.	0.6	0