Masamichi Yamanaka

List of Publications by Year in Descending Order

72 papers	2,184 citations	26 h-index	45 g-index
90 ext. papers	2,361 ext. citations	5.4 avg, IF	5.26 L-index

#	Paper	IF	Citations
72	Multiple Stimuli-Responsive Supramolecular Gel Formed from Modified Adenosine. *Chemical and Pharmaceutical Bulletin*, **2022**, 70, 443-447	1.9	
71	Formation of pH-Responsive Supramolecular Hydrogels in Basic Buffers: Self-assembly of Amphiphilic Tris-Urea. *Chemical and Pharmaceutical Bulletin*, **2021**, 69, 1131-1135	1.9	1
70	Biological-stimuli-responsive Supramolecular Hydrogels toward Medicinal and Pharmaceutical Applications. *Chemistry Letters*, **2021**, 50, 459-466	1.7	4
69	Effect of Alkyl Chain Length of N-Alkyl-N′-(2-benzylphenyl)ureas on Gelation. *Chemistry - an Asian Journal*, **2021**, 16, 1750-1755	4.5	0
68	Enzymatic Hydrolysis-Responsive Supramolecular Hydrogels Composed of Maltose-Coupled Amphiphilic Ureas. *Chemistry - an Asian Journal*, **2021**, 16, 1937-1941	4.5	1
67	Urea Derivatives as Functional Molecules: Supramolecular Capsules, Supramolecular Polymers, Supramolecular Gels, Artificial Hosts, and Catalysts. *Chemistry - A European Journal*, **2021**, 27, 5601-5614	4.8	23
66	Enzyme responsive properties of amphiphilic urea supramolecular hydrogels. *Polymer Journal*, **2020**, 52, 931-938	2.7	6
65	Europium amphiphilic naphthalene based complex for the enhancement of linearly polarized luminescence in Langmuir–Blodgett films. *New Journal of Chemistry*, **2019**, 43, 6472-6479	3.6	13
64	Gelation and luminescence of lanthanide hydrogels formed with deuterium oxide.. *RSC Advances*, **2019**, 9, 1949-1955	3.7	7
63	Amphoteric Homotropic Allosteric Association between a Hexakis-Urea Receptor and Dihydrogen Phosphate. *Chemistry - A European Journal*, **2019**, 25, 16201-16206	4.8	4
62	Supramolecular Gel Electrophoresis of Protein. *World Scientific Series in Nanoscience and Nanotechnology*, **2019**, 67-86	0.1	
61	Supramolecular gel electrophoresis. *Polymer Journal*, **2018**, 50, 627-635	2.7	9
60	Synthesis of a Bis-Urea Dimer and Its Effects on the Physical Properties of an Amphiphilic Tris-Urea Supramolecular Hydrogel. *Chemistry - an Asian Journal*, **2018**, 13, 929-933	4.5	7
59	Gabriel Synthesis of Hexakis(aminomethyl)benzene and Its Derivatization. *ChemistrySelect*, **2018**, 3, 6112-6115	1.8	3
58	Enzymatic hydrolysis-induced degradation of a lactose-coupled supramolecular hydrogel. *Chemical Communications*, **2018**, 54, 8814-8817	5.8	18
57	Synthesis of a C3-symmetric tris-imine via dynamic covalent bond formation between a trialdehyde and a triamine. *Tetrahedron Letters*, **2017**, 58, 4612-4616	2	2
56	Organic Dye Adsorption by Amphiphilic Tris-Urea Supramolecular Hydrogel. *Chemistry - an Asian Journal*, **2017**, 12, 2029-2032	4.5	24

55	Supramolecular gel electrophoresis of large DNA fragments. *Electrophoresis*, **2017**, 38, 2662-2665	3.6	3
54	Synthesis and Gelation Ability of C3-Symmetric Tris-Ureas. *Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry*, **2017**, 75, 650-658	0.2	
53	Effect of Sodium Dodecyl Sulfate Concentration on Supramolecular Gel Electrophoresis. *ChemNanoMat*, **2016**, 2, 423-425	3.5	4
52	Development of C3-Symmetric Tris-Urea Low-Molecular-Weight Gelators. *Chemical Record*, **2016**, 16, 768-82	6.6	17
51	Photoresponsive self-assembled hexameric capsules based on calix[4]resorcinarenes bearing azobenzene dendron conjugates as side chains. *Organic and Biomolecular Chemistry*, **2015**, 13, 8359-64	3.9	16
50	Reinforcement of guest selectivity through the self-assembly of host molecules: selective recognition of lithium ions by dimerizable tricarboxylic acids. *Chemical Communications*, **2015**, 51, 12920-3	5.8	6
49	Palladium ion-induced supramolecular gel formation of tris-urea molecules. *Polymer Journal*, **2015**, 47, 136-140	2.7	7
48	Self-assembled capsules based on tetrafunctionalized calix[4]resorcinarene cavitands. *Chemical Society Reviews*, **2015**, 44, 449-66	58.5	182
47	Cation-tuned stimuli-responsive and optical properties of supramolecular hydrogels. *Chemistry - an Asian Journal*, **2015**, 10, 1299-303	4.5	21
46	Self-Assembled Boronic Ester Cavitand Capsules with Various Bis(catechol) Linkers: Cavity-Expanded and Chiral Capsules. *Chemistry - A European Journal*, **2015**, 21, 13714-22	4.8	22
45	Development of native protein electrophoresis using supramolecular hydrogel **2015**, 59, 100-102		
44	Synthesis of a C2-Symmetrical Tetrakis(arylethynyl) Cavitand and Formation of Hybrid Hydrogen-Bonded/Metal-Ligand Coordination Supramolecular Capsules. *Asian Journal of Organic Chemistry*, **2014**, 3, 762-765	3	
43	Supramolecular gel electrophoresis of acidic native proteins. *Analytical Chemistry*, **2014**, 86, 9924-9	7.8	19
42	Solvent-Modulated Self-Assembly of C3-Symmetric Tris-Urea into a Discrete Dimer and Supramolecular Gel. *Asian Journal of Organic Chemistry*, **2014**, 3, 847-850	3	3
41	Hydrogen-bond and metal-ligand coordination bond hybrid supramolecular capsules: identification of hemicapsular intermediate and dual control of guest exchange dynamics. *Chemistry - an Asian Journal*, **2014**, 9, 1076-82	4.5	7
40	Development of protein electrophoresis using supramolecular hydrogel. *Seibutsu Butsuri Kagaku*, **2014**, 58, 9-11		
39	Thixotropic hydrogel formation in various aqueous solutions through self-assembly of an amphiphilic tris-urea. *Chemistry - an Asian Journal*, **2013**, 8, 2584-7	4.5	29
38	Urea derivatives as low-molecular-weight gelators. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **2013**, 77, 33-48	1.7	81

37	Capsular Assemblies of Calix[4]resorcinarene-based Cavitands. *Asian Journal of Organic Chemistry*, **2013**, 2, 276-289	3	19
36	Effect of Optical Purity of C3-Symmetric Chiral Tris-ureas on Supramolecular Gel Formation. *Chemistry Letters*, **2013**, 42, 229-231	1.7	12
35	Encapsulation-induced remarkable stability of a hydrogen-bonded heterocapsule. *Chemistry - A European Journal*, **2013**, 19, 3685-92	4.8	13
34	Ionic surfactants induce amphiphilic tris(urea) hydrogel formation. *Chemistry - an Asian Journal*, **2012**, 7, 1768-71	4.5	16
33	Structural alteration of hybrid supramolecular capsule induced by guest encapsulation. *Journal of the American Chemical Society*, **2011**, 133, 16650-6	16.4	45
32	Chemical stimuli-responsive supramolecular hydrogel from amphiphilic tris-urea. *Chemistry - an Asian Journal*, **2011**, 6, 1022-5	4.5	36
31	Separation of proteins using supramolecular gel electrophoresis. *Chemical Communications*, **2011**, 47, 10344-6	5.8	49
30	Metal salt-induced regelation of acetone solutions of tris-urea low-molecular weight gelator and anions. *Supramolecular Chemistry*, **2011**, 23, 140-143	1.8	5
29	Construction of Two- or Three-Component Low Molecular Weight Gel Systems. *Bulletin of the Chemical Society of Japan*, **2010**, 83, 1127-1131	5.1	11
28	Molecular recognition and self-assembly special feature: 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, 10444-8	11.5	62
27	Guest-encapsulation behavior in a self-assembled heterodimeric capsule. *Tetrahedron*, **2009**, 65, 7234-7239	2.4	13
26	Chloroalkane gel formations by tris-urea low molecular weight gelator under various conditions. *Journal of Organic Chemistry*, **2009**, 74, 5390-4	4.2	39
25	Hybrid cavitand capsule with hydrogen bonds and metal-ligand coordination bonds: guest encapsulation with anion assistance. *Journal of the American Chemical Society*, **2009**, 131, 9880-1	16.4	41
24	Synthesis and estimation of gelation ability of C3-symmetry tris-urea compounds. *Tetrahedron*, **2008**, 64, 11558-11567	2.4	22
23	Heterocycle Formation from Zirconacycles. *Heterocycles*, **2008**, 76, 923	0.8	31
22	Orientational isomerism controlled by the difference in electronic environments of a self-assembling heterodimeric capsule. *Journal of Organic Chemistry*, **2007**, 72, 3242-6	4.2	31
21	Reversible sol–gel transition of a tris-urea gelator that responds to chemical stimuli. *Tetrahedron Letters*, **2007**, 48, 8990-8993	2	73
20	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, 1531-9	16.4	106

19	Tunable capsule space: self-assembly of hemispherical cavitands with hydrogen-bonding linkers. *Journal of Organic Chemistry*, **2006**, 71, 8800-6	4.2	27
18	Synthesis and cofacial pi-stacked packing arrangement of 6,13-bis(alkylthio)pentacene. *Organic Letters*, **2006**, 8, 2385-8	6.2	82
17	Resorcinarene assemblies as synthetic receptors. *Chemical Communications*, **2005**, 857-8	5.8	44
16	Orientational isomerism and binding ability of nonsymmetrical guests encapsulated in a self-assembling heterodimeric capsule. *Chemistry - A European Journal*, **2005**, 11, 4725-34	4.8	36
15	Stereochemistry in self-assembled encapsulation complexes: constellational isomerism. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 2669-72	11.5	30
14	Haloamidation of alkynes and related reactions using zirconacycles and isocyanates. *Tetrahedron*, **2004**, 60, 1393-1400	2.4	37
13	Constellational diastereomers in encapsulation complexes. *Chemical Communications*, **2004**, 1690-1	5.8	18
12	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, 13896-7	16.4	115
11	Kinetics and thermodynamics of hexameric capsule formation. *Journal of the American Chemical Society*, **2004**, 126, 2939-43	16.4	143
10	Imino ene reaction catalyzed by ytterbium(III) triflate and TMSCl or TMSOTf. *Journal of Organic Chemistry*, **2003**, 68, 3112-20	4.2	61
9	An intriguing effect of Yb(OTf)3TMSCl in the halogenation of 1,1-disubstituted alkenes by NXS: selective synthesis of allyl halides. *Tetrahedron Letters*, **2002**, 43, 2403-2406	2	26
8	Novel Synthetic Method for 2,3-Dihydro-3-halo-3-methylindole fromN-Acetyl-2-isopropenylaniline by Intramolecular Haloamination. *Synlett*, **2002**, 2002, 1514-1516	2.2	3
7	PictetSpengler Reaction of Nitrones and Imines Catalyzed by Yb(OTf)3TMSCl. *Chemistry Letters*, **2002**, 31, 428-429	1.7	26
6	Selective preparation of pyridines, pyridones, and iminopyridines from two different alkynes via azazirconacycles. *Journal of the American Chemical Society*, **2002**, 124, 5059-67	16.4	172
5	Studies on the Asymmetric Diels-Alder Reaction of Dihydropyridin-2-one with Silyloxydienes. *Heterocycles*, **2002**, 56, 283	0.8	0
4	Ytterbium(III) triflate/TMSCI: efficient catalyst for imino ene reaction. *Organic Letters*, **2000**, 2, 159-61	6.2	90
3	Enantioselective Diels-Alder reactions catalyzed by chiral 1,1?-(2,2?-bisacylamino)binaphthalene-ytterbium complex. *Tetrahedron Letters*, **1999**, 40, 1555-1558	2	46
2	Chiral Auxiliary Approach to the Asymmetric Pictet-Spengler Reaction of Tryptamines. *Heterocycles*, **1999**, 50, 1033	0.8	24

1	Lewis Acid-Promoted Coupling Reactions of Acid Chlorides with Organoaluminum and Organozinc Reagents. *Journal of Organic Chemistry*, **1997**, 62, 4327-4329	4.2	41