

Masamichi Yamanaka

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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	Self-assembled capsules based on tetrafunctionalized calix[4]resorcinarene cavitands. <i>Chemical Society Reviews</i> , 2015 , 44, 449-66	58.5	182
71	Selective preparation of pyridines, pyridones, and iminopyridines from two different alkynes via azazirconacycles. <i>Journal of the American Chemical Society</i> , 2002 , 124, 5059-67	16.4	172
70	Kinetics and thermodynamics of hexameric capsule formation. <i>Journal of the American Chemical Society</i> , 2004 , 126, 2939-43	16.4	143
69	Complete selection of a self-assembling homo- or hetero-cavitand cage via metal coordination based on ligand tuning. <i>Journal of the American Chemical Society</i> , 2004 , 126, 13896-7	16.4	115
68	Selective formation of a self-assembling homo or hetero cavitand cage via metal coordination based on thermodynamic or kinetic control. <i>Journal of the American Chemical Society</i> , 2006 , 128, 1531-9	16.4	106
67	Ytterbium(III) triflate/TMSCl: efficient catalyst for imino ene reaction. <i>Organic Letters</i> , 2000 , 2, 159-61	6.2	90
66	Synthesis and cofacial pi-stacked packing arrangement of 6,13-bis(alkylthio)pentacene. <i>Organic Letters</i> , 2006 , 8, 2385-8	6.2	82
65	Urea derivatives as low-molecular-weight gelators. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2013 , 77, 33-48	1.7	81
64	Reversible sol-gel transition of a tris-urea gelator that responds to chemical stimuli. <i>Tetrahedron Letters</i> , 2007 , 48, 8990-8993	2	73
63	Molecular recognition and self-assembly special feature: Encapsulated-guest rotation in a self-assembled heterocapsule directed toward a supramolecular gyroscope. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 10444-8	11.5	62
62	Imino ene reaction catalyzed by ytterbium(III) triflate and TMSCl or TMSOTf. <i>Journal of Organic Chemistry</i> , 2003 , 68, 3112-20	4.2	61
61	Separation of proteins using supramolecular gel electrophoresis. <i>Chemical Communications</i> , 2011 , 47, 10344-6	5.8	49
60	Enantioselective Diels-Alder reactions catalyzed by chiral 1,1'-(2,2'-bis(acylamino)binaphthalene)-ytterbium complex. <i>Tetrahedron Letters</i> , 1999 , 40, 1555-1558	2	46
59	Structural alteration of hybrid supramolecular capsule induced by guest encapsulation. <i>Journal of the American Chemical Society</i> , 2011 , 133, 16650-6	16.4	45
58	Resorcinarene assemblies as synthetic receptors. <i>Chemical Communications</i> , 2005 , 857-8	5.8	44
57	Hybrid cavitand capsule with hydrogen bonds and metal-ligand coordination bonds: guest encapsulation with anion assistance. <i>Journal of the American Chemical Society</i> , 2009 , 131, 9880-1	16.4	41
56	Lewis Acid-Promoted Coupling Reactions of Acid Chlorides with Organoaluminum and Organozinc Reagents. <i>Journal of Organic Chemistry</i> , 1997 , 62, 4327-4329	4.2	41

55	Chloroalkane gel formations by tris-urea low molecular weight gelator under various conditions. <i>Journal of Organic Chemistry</i> , 2009 , 74, 5390-4	4.2	39
54	Haloamidation of alkynes and related reactions using zirconacycles and isocyanates. <i>Tetrahedron</i> , 2004 , 60, 1393-1400	2.4	37
53	Chemical stimuli-responsive supramolecular hydrogel from amphiphilic tris-urea. <i>Chemistry - an Asian Journal</i> , 2011 , 6, 1022-5	4.5	36
52	Oriental isomerism and binding ability of nonsymmetrical guests encapsulated in a self-assembling heterodimeric capsule. <i>Chemistry - A European Journal</i> , 2005 , 11, 4725-34	4.8	36
51	Oriental isomerism controlled by the difference in electronic environments of a self-assembling heterodimeric capsule. <i>Journal of Organic Chemistry</i> , 2007 , 72, 3242-6	4.2	31
50	Heterocycle Formation from Zirconacycles. <i>Heterocycles</i> , 2008 , 76, 923	0.8	31
49	Stereochemistry in self-assembled encapsulation complexes: constellational isomerism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 2669-72	11.5	30
48	Thixotropic hydrogel formation in various aqueous solutions through self-assembly of an amphiphilic tris-urea. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 2584-7	4.5	29
47	Tunable capsule space: self-assembly of hemispherical cavitands with hydrogen-bonding linkers. <i>Journal of Organic Chemistry</i> , 2006 , 71, 8800-6	4.2	27
46	An intriguing effect of Yb(OTf) ₃ ·MSCl in the halogenation of 1,1-disubstituted alkenes by NXS: selective synthesis of allyl halides. <i>Tetrahedron Letters</i> , 2002 , 43, 2403-2406	2	26
45	Pictet-Spengler Reaction of Nitrones and Imines Catalyzed by Yb(OTf) ₃ ·MSCl. <i>Chemistry Letters</i> , 2002 , 31, 428-429	1.7	26
44	Organic Dye Adsorption by Amphiphilic Tris-Urea Supramolecular Hydrogel. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 2029-2032	4.5	24
43	Chiral Auxiliary Approach to the Asymmetric Pictet-Spengler Reaction of Tryptamines. <i>Heterocycles</i> , 1999 , 50, 1033	0.8	24
42	Urea Derivatives as Functional Molecules: Supramolecular Capsules, Supramolecular Polymers, Supramolecular Gels, Artificial Hosts, and Catalysts. <i>Chemistry - A European Journal</i> , 2021 , 27, 5601-5614	4.8	23
41	Self-Assembled Boronic Ester Cavitand Capsules with Various Bis(catechol) Linkers: Cavity-Expanded and Chiral Capsules. <i>Chemistry - A European Journal</i> , 2015 , 21, 13714-22	4.8	22
40	Synthesis and estimation of gelation ability of C ₃ -symmetry tris-urea compounds. <i>Tetrahedron</i> , 2008 , 64, 11558-11567	2.4	22
39	Cation-tuned stimuli-responsive and optical properties of supramolecular hydrogels. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 1299-303	4.5	21
38	Supramolecular gel electrophoresis of acidic native proteins. <i>Analytical Chemistry</i> , 2014 , 86, 9924-9	7.8	19

37	Capsular Assemblies of Calix[4]resorcinarene-based Cavitands. <i>Asian Journal of Organic Chemistry</i> , 2013 , 2, 276-289	3	19
36	Constellational diastereomers in encapsulation complexes. <i>Chemical Communications</i> , 2004 , 1690-1	5.8	18
35	Enzymatic hydrolysis-induced degradation of a lactose-coupled supramolecular hydrogel. <i>Chemical Communications</i> , 2018 , 54, 8814-8817	5.8	18
34	Development of C3-Symmetric Tris-Urea Low-Molecular-Weight Gelators. <i>Chemical Record</i> , 2016 , 16, 768-82	6.6	17
33	Photoresponsive self-assembled hexameric capsules based on calix[4]resorcinarenes bearing azobenzene dendron conjugates as side chains. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 8359-64	3.9	16
32	Ionic surfactants induce amphiphilic tris(urea) hydrogel formation. <i>Chemistry - an Asian Journal</i> , 2012 , 7, 1768-71	4.5	16
31	Europium amphiphilic naphthalene based complex for the enhancement of linearly polarized luminescence in Langmuir-Blodgett films. <i>New Journal of Chemistry</i> , 2019 , 43, 6472-6479	3.6	13
30	Encapsulation-induced remarkable stability of a hydrogen-bonded heterocapsule. <i>Chemistry - A European Journal</i> , 2013 , 19, 3685-92	4.8	13
29	Guest-encapsulation behavior in a self-assembled heterodimeric capsule. <i>Tetrahedron</i> , 2009 , 65, 7234-7239	2.9	13
28	Effect of Optical Purity of C3-Symmetric Chiral Tris-ureas on Supramolecular Gel Formation. <i>Chemistry Letters</i> , 2013 , 42, 229-231	1.7	12
27	Construction of Two- or Three-Component Low Molecular Weight Gel Systems. <i>Bulletin of the Chemical Society of Japan</i> , 2010 , 83, 1127-1131	5.1	11
26	Supramolecular gel electrophoresis. <i>Polymer Journal</i> , 2018 , 50, 627-635	2.7	9
25	Gelation and luminescence of lanthanide hydrogels formed with deuterium oxide.. <i>RSC Advances</i> , 2019 , 9, 1949-1955	3.7	7
24	Palladium ion-induced supramolecular gel formation of tris-urea molecules. <i>Polymer Journal</i> , 2015 , 47, 136-140	2.7	7
23	Synthesis of a Bis-Urea Dimer and Its Effects on the Physical Properties of an Amphiphilic Tris-Urea Supramolecular Hydrogel. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 929-933	4.5	7
22	Hydrogen-bond and metal-ligand coordination bond hybrid supramolecular capsules: identification of hemicapsular intermediate and dual control of guest exchange dynamics. <i>Chemistry - an Asian Journal</i> , 2014 , 9, 1076-82	4.5	7
21	Reinforcement of guest selectivity through the self-assembly of host molecules: selective recognition of lithium ions by dimerizable tricarboxylic acids. <i>Chemical Communications</i> , 2015 , 51, 12920-3	5.8	6
20	Enzyme responsive properties of amphiphilic urea supramolecular hydrogels. <i>Polymer Journal</i> , 2020 , 52, 931-938	2.7	6

19	Metal salt-induced regelation of acetone solutions of tris-urea low-molecular weight gelator and anions. <i>Supramolecular Chemistry</i> , 2011 , 23, 140-143	1.8	5
18	Amphoteric Homotropic Allosteric Association between a Hexakis-Urea Receptor and Dihydrogen Phosphate. <i>Chemistry - A European Journal</i> , 2019 , 25, 16201-16206	4.8	4
17	Biological-stimuli-responsive Supramolecular Hydrogels toward Medicinal and Pharmaceutical Applications. <i>Chemistry Letters</i> , 2021 , 50, 459-466	1.7	4
16	Effect of Sodium Dodecyl Sulfate Concentration on Supramolecular Gel Electrophoresis. <i>ChemNanoMat</i> , 2016 , 2, 423-425	3.5	4
15	Gabriel Synthesis of Hexakis(aminomethyl)benzene and Its Derivatization. <i>ChemistrySelect</i> , 2018 , 3, 6112-6115	4.8	3
14	Solvent-Modulated Self-Assembly of C3-Symmetric Tris-Urea into a Discrete Dimer and Supramolecular Gel. <i>Asian Journal of Organic Chemistry</i> , 2014 , 3, 847-850	3	3
13	Supramolecular gel electrophoresis of large DNA fragments. <i>Electrophoresis</i> , 2017 , 38, 2662-2665	3.6	3
12	Novel Synthetic Method for 2,3-Dihydro-3-halo-3-methylindole from N-Acetyl-2-isopropenylaniline by Intramolecular Haloamination. <i>Synlett</i> , 2002 , 2002, 1514-1516	2.2	3
11	Synthesis of a C3-symmetric tris-imine via dynamic covalent bond formation between a trialdehyde and a triamine. <i>Tetrahedron Letters</i> , 2017 , 58, 4612-4616	2	2
10	Formation of pH-Responsive Supramolecular Hydrogels in Basic Buffers: Self-assembly of Amphiphilic Tris-Urea. <i>Chemical and Pharmaceutical Bulletin</i> , 2021 , 69, 1131-1135	1.9	1
9	Enzymatic Hydrolysis-Responsive Supramolecular Hydrogels Composed of Maltose-Coupled Amphiphilic Ureas. <i>Chemistry - an Asian Journal</i> , 2021 , 16, 1937-1941	4.5	1
8	Studies on the Asymmetric Diels-Alder Reaction of Dihydropyridin-2-one with Silyloxydienes. <i>Heterocycles</i> , 2002 , 56, 283	0.8	0
7	Effect of Alkyl Chain Length of N-Alkyl-NU(2-benzylphenyl)ureas on Gelation. <i>Chemistry - an Asian Journal</i> , 2021 , 16, 1750-1755	4.5	0
6	Synthesis of a C2-Symmetrical Tetrakis(arylethynyl) Cavitand and Formation of Hybrid Hydrogen-Bonded/Metal-Ligand Coordination Supramolecular Capsules. <i>Asian Journal of Organic Chemistry</i> , 2014 , 3, 762-765	3	
5	Supramolecular Gel Electrophoresis of Protein. <i>World Scientific Series in Nanoscience and Nanotechnology</i> , 2019 , 67-86	0.1	
4	Development of native protein electrophoresis using supramolecular hydrogel 2015 , 59, 100-102		
3	Synthesis and Gelation Ability of C3-Symmetric Tris-Ureas. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2017 , 75, 650-658	0.2	
2	Development of protein electrophoresis using supramolecular hydrogel. <i>Seibutsu Butsuri Kagaku</i> , 2014 , 58, 9-11		

- 1 Multiple Stimuli-Responsive Supramolecular Gel Formed from Modified Adenosine. *Chemical and Pharmaceutical Bulletin*, **2022**, 70, 443-447

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