

Sota Sato

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144
papers

6,432
citations

42
h-index

77
g-index

158
ext. papers

7,244
ext. citations

9.6
avg, IF

6.04
L-index

#	Paper	IF	Citations
144	Self-assembled M24L48 polyhedra and their sharp structural switch upon subtle ligand variation. <i>Science</i> , 2010 , 328, 1144-7	33.3	651
143	Self-assembly of tetravalent Goldberg polyhedra from 144 small components. <i>Nature</i> , 2016 , 540, 563-566	50.4	369
142	Fluorous nanodroplets structurally confined in an organopalladium sphere. <i>Science</i> , 2006 , 313, 1273-6	33.3	270
141	Self-Assembly of M 30 L 60 Icosidodecahedron. <i>Chem</i> , 2016 , 1, 91-101	16.2	190
140	Minimal nucleotide duplex formation in water through enclathration in self-assembled hosts. <i>Nature Chemistry</i> , 2009 , 1, 53-6	17.6	180
139	An M ¹² L ²⁴ stellated cuboctahedron through post-stellation of an M ¹² L ²⁴ core. <i>Nature Chemistry</i> , 2012 , 4, 330-3	17.6	176
138	Protein encapsulation within synthetic molecular hosts. <i>Nature Communications</i> , 2012 , 3, 1093	17.4	170
137	Saccharide-coated M12L24 molecular spheres that form aggregates by multi-interaction with proteins. <i>Journal of the American Chemical Society</i> , 2007 , 129, 3816-7	16.4	144
136	Remarkable stabilization of M(12)L(24) spherical frameworks through the cooperation of 48 Pd(II)-pyridine interactions. <i>Journal of the American Chemical Society</i> , 2009 , 131, 6064-5	16.4	142
135	Chiral intertwined spirals and magnetic transition dipole moments dictated by cylinder helicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 13097-13101	11.5	135
134	Synthesis of disubstituted cucurbit[6]uril and its rotaxane derivative. <i>Organic Letters</i> , 2002 , 4, 1287-9	6.2	134
133	Template synthesis of precisely monodisperse silica nanoparticles within self-assembled organometallic spheres. <i>Nature Chemistry</i> , 2010 , 2, 25-9	17.6	130
132	Switching the interior hydrophobicity of a self-assembled spherical complex through the photoisomerization of confined azobenzene chromophores. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 5133-6	16.4	129
131	A sphere-in-sphere complex by orthogonal self-assembly. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 10318-21	16.4	117
130	Self-assembly of M24L48 polyhedra based on empirical prediction. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 3161-3	16.4	115
129	Finite phenine nanotubes with periodic vacancy defects. <i>Science</i> , 2019 , 363, 151-155	33.3	112
128	Endohedral peptide lining of a self-assembled molecular sphere to generate chirality-confined hollows. <i>Journal of the American Chemical Society</i> , 2007 , 129, 10652-3	16.4	98

127	Self-assembly of Pt(II) spherical complexes via temporary labilization of the metal-ligand association in 2,2,2-trifluoroethanol. <i>Journal of the American Chemical Society</i> , 2011 , 133, 13317-9	16.4	94
126	Coronene nanophase within coordination spheres: increased solubility of C60. <i>Journal of the American Chemical Society</i> , 2010 , 132, 2544-5	16.4	93
125	An M12(L(1))12(L(2))12 cantellated tetrahedron: a case study on mixed-ligand self-assembly. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 13510-3	16.4	92
124	Solid-state structures of peapod bearings composed of finite single-wall carbon nanotube and fullerene molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 8374-9	11.5	80
123	Emergent ion-gated binding of cationic host-guest complexes within cationic M12L24 molecular flasks. <i>Journal of the American Chemical Society</i> , 2014 , 136, 12027-34	16.4	78
122	Nanometer-sized shell molecules that confine endohedral polymerizing units. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 1083-5	16.4	77
121	Geometrically restricted intermediates in the self-assembly of an M12L24 cuboctahedral complex. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 155-8	16.4	66
120	Cyclo-meta-phenylene revisited: nickel-mediated synthesis, molecular structures, and device applications. <i>Journal of Organic Chemistry</i> , 2014 , 79, 9735-9	4.2	66
119	Simulation of metal-ligand self-assembly into spherical complex M6L8. <i>Journal of the American Chemical Society</i> , 2012 , 134, 14401-7	16.4	66
118	Viral-capsid-type vesicle-like structures assembled from M12L24 metal-organic hybrid nanocages. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 5182-7	16.4	66
117	Stereoisomerism, crystal structures, and dynamics of belt-shaped cyclonaphthylenes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 8109-14	11.5	65
116	M(12)L(24) spheres with endo and exo coordination sites: scaffolds for non-covalent functionalization. <i>Journal of the American Chemical Society</i> , 2013 , 135, 12497-9	16.4	65
115	Well-defined DNA nanoparticles templated by self-assembled M(12)L(24) molecular spheres and binding of complementary oligonucleotides. <i>Journal of the American Chemical Society</i> , 2010 , 132, 15930-2	16.4	64
114	Molecular recognition in curved β systems: effects of β lengthening of tubular molecules on thermodynamics and structures. <i>Chemical Science</i> , 2015 , 6, 909-916	9.4	60
113	Coordination-directed self-assembly of M12L24 nanocage: effects of kinetic trapping on the assembly process. <i>ACS Nano</i> , 2014 , 8, 1290-6	16.7	60
112	Self-Assembly of Giant Spherical Liquid-Crystalline Complexes and Formation of Nanostructured Dynamic Gels that Exhibit Self-Healing Properties. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 14085-14089	16.4	60
111	Peptide-coated, self-assembled M12L24 coordination spheres and their immobilization onto an inorganic surface. <i>Chemical Science</i> , 2010 , 1, 68	9.4	55
110	Size-, mass-, and density-controlled preparation of TiO ₂ nanoparticles in a spherical coordination template. <i>Journal of the American Chemical Society</i> , 2013 , 135, 6786-9	16.4	54

- 109 Noncovalent tailoring of the binding pocket of self-assembled cages by remote bulky ancillary groups. *Journal of the American Chemical Society*, **2013**, 135, 613-5 16.4 53
- 108 Aromatic hydrocarbon macrocycles for highly efficient organic light-emitting devices with single-layer architectures. *Chemical Science*, **2016**, 7, 896-904 9.4 52
- 107 Discrete and well-defined hydrophobic phases confined in self-assembled spherical complexes. *Angewandte Chemie - International Edition*, **2008**, 47, 5780-2 16.4 52
- 106 Belt-Shaped Cyclonaphthylenes. *Angewandte Chemie - International Edition*, **2015**, 54, 12800-4 16.4 49
- 105 Geometric measures of finite carbon nanotube molecules: a proposal for length index and filling indexes. *Pure and Applied Chemistry*, **2014**, 86, 489-495 2.1 49
- 104 Synthesis and Bowl-in-Bowl Assembly of a Geodesic Phenylene Bowl. *Angewandte Chemie - International Edition*, **2017**, 56, 6511-6514 16.4 47
- 103 Theoretical studies on a carbonaceous molecular bearing: association thermodynamics and dual-mode rolling dynamics. *Chemical Science*, **2015**, 6, 2746-2753 9.4 43
- 102 Switching the Interior Hydrophobicity of a Self-Assembled Spherical Complex through the Photoisomerization of Confined Azobenzene Chromophores. *Angewandte Chemie*, **2007**, 119, 5225-5228^{3,6} 42
- 101 Concyclic CH₂ Arrays for single-axis rotations of a bowl in a tube. *Nature Communications*, **2018**, 9, 3779 17.4 41
- 100 Incarceration of (PdO)_n and Pd(n) clusters by cage-templated synthesis of hollow silica nanoparticles. *Angewandte Chemie - International Edition*, **2012**, 51, 5893-6 16.4 40
- 99 Parallel-stacked aromatic hosts for orienting small molecules in a magnetic field: induced residual dipolar coupling by encapsulation. *Journal of the American Chemical Society*, **2010**, 132, 3670-1 16.4 39
- 98 A Sphere-in-Sphere Complex by Orthogonal Self-Assembly. *Angewandte Chemie*, **2011**, 123, 10502-10505^{5,6} 37
- 97 An M₁₂(L₁)₁₂(L₂)₁₂ Cantellated Tetrahedron: A Case Study on Mixed-Ligand Self-Assembly. *Angewandte Chemie*, **2014**, 126, 13728-13731 3.6 35
- 96 Stereoisomerism in Nanohoops with Heterogeneous Biaryl Linkages of - and -Geometries. *ACS Central Science*, **2016**, 2, 740-747 16.8 34
- 95 The precise synthesis and growth of core-shell nanoparticles within a self-assembled spherical template. *Angewandte Chemie - International Edition*, **2011**, 50, 4858-61 16.4 34
- 94 Self-Sorting of Two Hydrocarbon Receptors with One Carbonaceous Ligand. *Angewandte Chemie - International Edition*, **2016**, 55, 15339-15343 16.4 33
- 93 Supramolecular modulation of action of polyamine on enzyme/DNA interactions. *Chemical Communications*, **2005**, 1549-51 5.8 33
- 92 Elucidating the Solvent Effect on the Switch of the Helicity of Poly(quinoxaline-2,3-diyl)s: A Conformational Analysis by Small-Angle Neutron Scattering. *Journal of the American Chemical Society*, **2018**, 140, 2722-2726 16.4 32

91	Modular Synthesis of Aromatic Hydrocarbon Macrocycles for Simplified, Single-Layer Organic Light-Emitting Devices. <i>Journal of Organic Chemistry</i> , 2016 , 81, 662-6	4.2	32
90	A Self-Assembled Spherical Complex Displaying a Gangliosidic Glycan Cluster Capable of Interacting with Amyloidogenic Proteins. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 8435-9	16.4	32
89	Self-Assembly of M24L48 Polyhedra Based on Empirical Prediction. <i>Angewandte Chemie</i> , 2012 , 124, 3215-3217	5.3	32
88	Pentagon-Embedded Cycloarylenes with Cylindrical Shapes. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 9106-9110	16.4	30
87	Photoinduced electron transfer in a dynamic supramolecular system with curved structures. <i>Organic Letters</i> , 2014 , 16, 3352-5	6.2	30
86	Thermal and palladium-catalyzed [3 + 2] synthesis of cyclopentadienone acetals from cyclopropanone acetals and acetylenes. <i>Organic Letters</i> , 2004 , 6, 3569-71	6.2	30
85	Ratchet-free solid-state inertial rotation of a guest ball in a tight tubular host. <i>Nature Communications</i> , 2018 , 9, 1907	17.4	30
84	Oligo(4-aminopiperidine-4-carboxylic acid): an unusual basic oligopeptide with an acid-induced helical conformation. <i>Journal of the American Chemical Society</i> , 2010 , 132, 13176-8	16.4	29
83	Polymerisation of an Anionic Monomer in a Self-Assembled M12L24 Coordination Sphere with Cationic Interior. <i>Supramolecular Chemistry</i> , 2008 , 20, 81-94	1.8	29
82	Viral-Capsid-Type Vesicle-Like Structures Assembled from M12L24 Metal-Organic Hybrid Nanocages. <i>Angewandte Chemie</i> , 2011 , 123, 5288-5293	3.6	28
81	Narrowing Segments of Helical Carbon Nanotubes with Curved Aromatic Panels. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 7385-7389	16.4	26
80	Carbon-Rich Active Materials with Macrocyclic Nanochannels for High-Capacity Negative Electrodes in All-Solid-State Lithium Rechargeable Batteries. <i>Small</i> , 2016 , 12, 3381-7	11	26
79	A nitrogen-doped nanotube molecule with atom vacancy defects. <i>Nature Communications</i> , 2020 , 11, 1807	7.4	26
78	An Obtuse-angled Corner Unit for Fluctuating Carbon Nano hoops. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 271-275	4.5	25
77	Geometrically Restricted Intermediates in the Self-Assembly of an M12L24 Cuboctahedral Complex. <i>Angewandte Chemie</i> , 2015 , 127, 157-160	3.6	25
76	Belt-Shaped Cyclonaphthylenes. <i>Angewandte Chemie</i> , 2015 , 127, 12991-12995	3.6	25
75	Entropy-Driven Ball-in-Bowl Assembly of Fullerene and Geodesic Phenylene Bowl. <i>Organic Letters</i> , 2017 , 19, 2362-2365	6.2	24
74	Stepwise DNA condensation by a histone-mimic peptide-coated M12L24 spherical complex. <i>Chemical Science</i> , 2014 , 5, 3257	9.4	24

73	Three-component synthesis of polysubstituted benzene derivatives via Diels-Alder reaction of cyclopentadienone acetal with alkyne. <i>Tetrahedron</i> , 2005 , 61, 11449-11455	2.4	24
72	Assembly, Thermodynamics, and Structure of a Two-Wheeled Composite of a Dumbbell-Shaped Molecule and Cylindrical Molecules with Different Edges. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 15020-15024	16.4	23
71	Self-Sorting of Two Hydrocarbon Receptors with One Carbonaceous Ligand. <i>Angewandte Chemie</i> , 2016 , 128, 15565-15569	3.6	23
70	Fluctuating Carbonaceous Networks with a Persistent Molecular Shape: A Saddle-Shaped Geodesic Framework of 1,3,5-Trisubstituted Benzene (Phenine). <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 8555-8559	16.4	20
69	Synthesis, Structures, and Assembly of Geodesic Phenine Frameworks with Isorecticular Networks of [n]Cyclo- para-phenylenes. <i>Journal of Organic Chemistry</i> , 2019 , 84, 3500-3507	4.2	19
68	Synthesis and oxidation catalysis of a Ti-substituted phosphotungstate, and identification of the active oxygen species. <i>Catalysis Science and Technology</i> , 2015 , 5, 4778-4789	5.5	18
67	Synthesis and Dynamic Structures of a Hybrid Nanohoop Molecule Composed of Anthanthrenylene and Phenylene Panels. <i>Chemistry Letters</i> , 2015 , 44, 1581-1583	1.7	18
66	Finely Resolved Threshold for the Sharp M12L24/M24L48 Structural Switch in Multi-Component M(n)L(2n) Polyhedral Assemblies: X-ray, MS, NMR, and Ultracentrifugation Analyses. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 2292-5	4.5	18
65	DOSY NMR, X-ray Structural and Ion-Mobility Mass Spectrometric Studies on Electron-Deficient and Electron-Rich M6L4 Coordination Cages. <i>Inorganic Chemistry</i> , 2015 , 54, 6055-61	5.1	18
64	Synthesis and Bowl-in-Bowl Assembly of a Geodesic Phenylene Bowl. <i>Angewandte Chemie</i> , 2017 , 129, 6611-6614	3.6	17
63	Bridging Adhesion of a Protein onto an Inorganic Surface Using Self-Assembled Dual-Functionalized Spheres. <i>Journal of the American Chemical Society</i> , 2015 , 137, 12890-6	16.4	17
62	Pentagon-Embedded Cycloarylenes with Cylindrical Shapes. <i>Angewandte Chemie</i> , 2017 , 129, 9234-9238	3.6	17
61	Assembly, Thermodynamics, and Structure of a Two-Wheeled Composite of a Dumbbell-Shaped Molecule and Cylindrical Molecules with Different Edges. <i>Angewandte Chemie</i> , 2017 , 129, 15216-15220	3.6	17
60	One-pot Synthesis of [n]Cyclo-1,3-pyrenylenes via Ni-mediated Macrocyclization. <i>Chemistry Letters</i> , 2016 , 45, 217-219	1.7	16
59	Self-Assembly of Giant Spherical Liquid-Crystalline Complexes and Formation of Nanostructured Dynamic Gels that Exhibit Self-Healing Properties. <i>Angewandte Chemie</i> , 2017 , 129, 14273-14277	3.6	16
58	Unbiased Rotational Motions of an Ellipsoidal Guest in a Tight Yet Pliable Host. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 2040-2044	16.4	16
57	Synthesis of a Bridging Ligand with a Non-denatured Protein Pendant: Toward Protein Encapsulation in a Coordination Cage. <i>Chemistry Letters</i> , 2012 , 41, 313-315	1.7	15
56	Efficient Blue Electroluminescence from a Single-layer Organic Device Composed Solely of Hydrocarbons. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 730-733	4.5	14

55	Room temperature magnetoresistance in an organic spin valve with an aromatic hydrocarbon macrocycle. <i>APL Materials</i> , 2017 , 5, 046101	5.7	14
54	Modulation of Energy Conversion Processes in Carbonaceous Molecular Bearings. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 2404-10	4.5	14
53	Nanometer-Sized Shell Molecules That Confine Endohedral Polymerizing Units. <i>Angewandte Chemie</i> , 2007 , 119, 1101-1103	3.6	14
52	Reply to the Comment on "Theoretical studies on a carbonaceous molecular bearing: association thermodynamics and dual-mode rolling dynamics" by E. M. Cabaleiro-Lago, J. Rodriguez-Otero and A. Gil, , 2016, , DOI: 10.1039/C5SC04676A. <i>Chemical Science</i> , 2016 , 7, 2929-2932	9.4	13
51	Synthesis and Structures of Extended [n]Cyclo-para-phenylenes (n = 12, 16, 20) Containing n/2 Nitrogen Atoms. <i>Chemistry Letters</i> , 2016 , 45, 658-660	1.7	12
50	Narrowing Segments of Helical Carbon Nanotubes with Curved Aromatic Panels. <i>Angewandte Chemie</i> , 2019 , 131, 7463-7467	3.6	11
49	Fluctuating Carbonaceous Networks with a Persistent Molecular Shape: A Saddle-Shaped Geodesic Framework of 1,3,5-Trisubstituted Benzene (Phenine). <i>Angewandte Chemie</i> , 2018 , 130, 8691-8695	3.6	11
48	Enhanced yet Inverted Effects of Extension in Self-Assembly of Curved Systems with Helicity. <i>Organic Letters</i> , 2017 , 19, 6456-6459	6.2	11
47	Incarceration of (PdO) _n and Pd _n Clusters by Cage-Templated Synthesis of Hollow Silica Nanoparticles. <i>Angewandte Chemie</i> , 2012 , 124, 5995-5998	3.6	11
46	The Precise Synthesis and Growth of Core/Shell Nanoparticles within a Self-Assembled Spherical Template. <i>Angewandte Chemie</i> , 2011 , 123, 4960-4963	3.6	11
45	Discrete and Well-Defined Hydrophobic Phases Confined in Self-Assembled Spherical Complexes. <i>Angewandte Chemie</i> , 2008 , 120, 5864-5866	3.6	11
44	Unbiased Rotational Motions of an Ellipsoidal Guest in a Tight Yet Pliable Host. <i>Angewandte Chemie</i> , 2019 , 131, 2062-2066	3.6	11
43	Hyper-Assembly of Self-Assembled Glycoclusters Mediated by Specific Carbohydrate-Carbohydrate Interactions. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 968-972	4.5	10
42	Self-assembled Inverse Dendrimer. <i>Chemistry Letters</i> , 2011 , 40, 726-727	1.7	10
41	Cycloparaphenylene-Phenalenyl Radical and Its Dimeric Double Nanohoop*. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 13529-13535	16.4	10
40	Total Synthesis of (±)Histronicotoxin through a Stereoselective Radical Translocation/Cyclization Reaction. <i>Angewandte Chemie</i> , 2017 , 129, 1107-1111	3.6	9
39	Stereodivergent Synthesis and Configurational Assignment of the C1-C15 Segment of Amphirionin-5. <i>Journal of Organic Chemistry</i> , 2016 , 81, 9105-9121	4.2	9
38	Retarded Solid-State Rotations of an Oval-Shaped Guest in a Deformed Cylinder with CH ₂ Arrays. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 12170-12174	16.4	9

37	[n]Cyclo-3,6-phenanthrenylenes: Synthesis, Structure, and Fluorescence. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 2093-2097	4.5	8
36	Synthesis of a Hemispherical Geodesic Phenine Framework by a Polygon Assembling Strategy. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 6567-6571	16.4	8
35	Introduction of Nitrogen Atoms in [n]Cyclo-meta-phenylenes via Cross-coupling Macrocyclization. <i>Chemistry Letters</i> , 2016 , 45, 676-678	1.7	8
34	Fluorescence Enhancement of Aromatic Macrocycles by Lowering Excited Singlet State Energies. <i>Journal of Organic Chemistry</i> , 2020 , 85, 150-157	4.2	7
33	Two polyhedral frameworks of an M12L24 spherical complex revealed by replica-exchange molecular dynamics simulations. <i>Chemical Physics Letters</i> , 2019 , 714, 185-189	2.5	7
32	Synthesis of 9,10-Diarylanthracenes via Mg(TMP) ₂ LiCl-Mediated Benzyne Generation/[4+2] Cycloaddition and Deoxygenation of 9,10-Epoxyanthracene Intermediates. <i>Synlett</i> , 2018 , 29, 513-518	2.2	7
31	A self-assembled, π -stacked complex as a finely-tunable magnetic aligner for biomolecular NMR applications. <i>Chemical Communications</i> , 2015 , 51, 2540-3	5.8	6
30	Retarded Solid-State Rotations of an Oval-Shaped Guest in a Deformed Cylinder with CH ₂ Arrays. <i>Angewandte Chemie</i> , 2019 , 131, 12298-12302	3.6	6
29	A Self-Assembled Spherical Complex Displaying a Gangliosidic Glycan Cluster Capable of Interacting with Amyloidogenic Proteins. <i>Angewandte Chemie</i> , 2015 , 127, 8555-8559	3.6	6
28	Acyclic, Linear Oligo-meta-phenylenes as Multipotent Base Materials for Highly Efficient Single-layer Organic Light-emitting Devices. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 2181-2186	4.5	6
27	Diels-Alder Reaction of Cyclopentadienone Acetal with Pyrrole and Indole. <i>Bulletin of the Chemical Society of Japan</i> , 2006 , 79, 1288-1292	5.1	5
26	Overcrowded Ethylene-Bridged Nanohoop Dimers: Regioselective Synthesis, Multiconfigurational Electronic States, and Global Hückel/Möbius Aromaticity. <i>Journal of the American Chemical Society</i> , 2021 , 143, 20419-20430	16.4	5
25	Communication Structural Modulation of Macrocyclic Materials for Charge Carrier Transport Layers in Organic Light-Emitting Devices. <i>ECS Journal of Solid State Science and Technology</i> , 2017 , 6, M3065-M3067	2.3	4
24	Regulated Single-Axis Rotations of a Carbonaceous Guest in a van der Waals Complex with an Entropy Cost. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 273-278	4.5	4
23	Ineffective OH Pinning of the Flipping Dynamics of a Spherical Guest within a Tight-Fitting Tube. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 14570-14576	16.4	3
22	Synthesis and stereoisomerism of [n]cyclo-2,9-phenanthrylene congeners possessing alternating E/Z- and R/S-biaryl linkages. <i>Organic and Biomolecular Chemistry</i> , 2020 , 18, 4949-4955	3.9	3
21	Ineffective OH Pinning of the Flipping Dynamics of a Spherical Guest within a Tight-Fitting Tube. <i>Angewandte Chemie</i> , 2020 , 132, 14678-14684	3.6	3
20	Synthesis of a Hemispherical Geodesic Phenine Framework by a Polygon Assembling Strategy. <i>Angewandte Chemie</i> , 2020 , 132, 6629-6633	3.6	3

19	Novel Titanium Complexes with a Reversible Structural Change on Solvent Adsorption and Desorption. <i>Chemistry Letters</i> , 2015 , 44, 1050-1052	1.7	3
18	CycloparaphenylenePhenalenyl Radical and Its Dimeric Double NanoHoop**. <i>Angewandte Chemie</i> , 2021 , 133, 13641-13647	3.6	3
17	A Case Study of Stereoisomerism with [6]Cyclo[4]helicenylenes. <i>Chemistry Letters</i> , 2021 , 50, 110-112	1.7	3
16	Synthetic Approach to biomolecular science by cyborg supramolecular chemistry. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018 , 1862, 358-364	4	3
15	Cycloparaphenylene Double NanoHoop: Structure, Lamellar Packing, and Encapsulation of C in the Solid State. <i>Organic Letters</i> , 2021 , 23, 7943-7948	6.2	3
14	Periphery Design of Macrocyclic Materials for Organic Light-Emitting Devices with a Blue Phosphorescent Emitter. <i>Organic Letters</i> , 2019 , 21, 2759-2762	6.2	2
13	Self-Assembly of Coordination Cages and Spheres 2012 ,		2
12	Preferences of polarity and chirality in triglycine sulfate crystals by alanine ghost. <i>Journal of Physics and Chemistry of Solids</i> , 2021 , 151, 109890	3.9	2
11	76-4: Late-News-Paper: Aromatic Hydrocarbon Macrocycles for Highly Efficient Organic Light-Emitting Devices with Simple-Layer Architectures. <i>Digest of Technical Papers SID International Symposium</i> , 2020 , 51, 1138-1141	0.5	1
10	MetalOrganic Caged Assemblies 2013 , 351-374		1
9	Crystalline Naphthylene Macrocycles Capturing Gaseous Small Molecules in Chiral Nanopores. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 3829-3835	4.5	1
8	Chemical Reduction of a Nanosized [6]Cyclo-2,7-naphthylene Macrocycle. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 11201-11205	16.4	1
7	Chemical Reduction of a Nanosized [6]Cyclo-2,7-naphthylene Macrocycle. <i>Angewandte Chemie</i> , 2021 , 133, 11301-11305	3.6	0
6	Innenrücktitelbild: Synthesis and Bowl-in-Bowl Assembly of a Geodesic Phenylene Bowl (Angew. Chem. 23/2017). <i>Angewandte Chemie</i> , 2017 , 129, 6777-6777	3.6	
5	Development of Biomolecular Interfaces Constructed on the Frameworks of Huge, Hollow Spherical Complexes. <i>Bulletin of Japan Society of Coordination Chemistry</i> , 2015 , 65, 30-37	0.3	
4	Single-crystal structure analysis of non-deuterated triglycine sulfate by neutron diffraction at 20 and 298 K: a new disorder model for the 298 K structure.. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2022 , 78, 306-312	0.7	
3	Giant Optical Anisotropy in High Temperature Superconducting Cuprate Bi ₂ Sr ₂ CaCu ₂ O ₈ + δ <i>Journal of the Physical Society of Japan</i> , 2021 , 90, 113702	1.5	
2	Lithium Batteries: Carbon-Rich Active Materials with Macrocyclic Nanochannels for High-Capacity Negative Electrodes in All-Solid-State Lithium Rechargeable Batteries (Small 25/2016). <i>Small</i> , 2016 , 12, 3472-3472	11	

- 1 Crystalline materials with functional nanopores. *Japanese Journal of Pesticide Science*, **2021**, 46, 160-167○