Ryo Sekiya

List of Publications by Year
in descending order

90 papers	1,889 citations	279778 23 h-index	289230 40 g-index
95 all docs	95 docs citations	95 times ranked	1972 citing authors

#	Article	IF	Citations
1	Whiteâ€Lightâ€Emitting Edgeâ€Functionalized Graphene Quantum Dots. Angewandte Chemie - International Edition, 2014, 53, 5619-5623.	13.8	186
2	A Quadruply Stranded Metallohelicate and Its Spontaneous Dimerization into an Interlocked Metallohelicate. Angewandte Chemie - International Edition, 2008, 47, 706-710.	13.8	178
3	Anion-Directed Formation and Degradation of an Interlocked Metallohelicate. Journal of the American Chemical Society, 2012, 134, 10987-10997.	13.7	116
4	Design and Structural Extension of a Supramolecular Inclusion-Compound Host Made by the Formation of Dimers of Isonicotinic Acid and Thiocyanato Coordinating Bridges. Chemistry - A European Journal, 2002, 8, 4803-4810.	3.3	59
5	High Diastereoselection of a Dissymmetric Capsule by Chiral Guest Complexation. Angewandte Chemie - International Edition, 2014, 53, 7243-7247.	13.8	59
6	Chemical Functionalisation and Photoluminescence of Graphene Quantum Dots. Chemistry - A European Journal, 2016, 22, 8198-8206.	3.3	59
7	Whiteâ€Lightâ€Emitting Edgeâ€Functionalized Graphene Quantum Dots. Angewandte Chemie, 2014, 126, 5725-5729.	2.0	55
8	Synthesis, Characterization, X-ray Crystal Structure, DFT Calculations, and Catalytic Properties of a Dioxidovanadium(V) Complex Derived from Oxamohydrazide and Pyridoxal: A Model Complex of Vanadate-Dependent Bromoperoxidase. Inorganic Chemistry, 2014, 53, 11426-11437.	4.0	52
9	Crystalline Inclusion Compounds Constructed through Self-Assembly of Isonicotinic Acid and Thiocyanato Coordination Bridges. Journal of the American Chemical Society, 2004, 126, 16587-16600.	13.7	51
10	A Supramolecular Polymer Network of Graphene Quantum Dots. Angewandte Chemie - International Edition, 2018, 57, 4960-4964.	13.8	50
11	Development of Ultravioletâ€“Ultraviolet Hole-Burning Spectroscopy for Cold Gas-Phase Ions. Journal of Physical Chemistry Letters, 2014, 5, 1236-1240.	4.6	43
12	Pd2+â‹¯O3SRâ‹¯ interaction encourages anion encapsulation of a quadruply-stranded Pd complex to achieve chirality or high solubility. Chemical Communications, 2011, 47, 12346.	4.1	42
13	Nearâ€Infraredâ€Emitting Nitrogenâ€Doped Nanographenes. Angewandte Chemie - International Edition, 2019, 58, 9022-9026.	13.8	41
14	Coordination Framework Hosts Consisting of 4-Pyridyl-Substituted Carboxylic Acid (PCA) Dimers and 1D Chains of Ni2+ and SCN-:â€‰ A Rational Structural Extension toward Coordination Framework Hosts with Large Rectangular Cavities. Inorganic Chemistry, 2006, 45, 9233-9244.	4.0	40
15	Frozen Dissymmetric Cavities in Resorcinareneâ€Based Coordination Capsules. Chemistry - A European Journal, 2016, 22, 3250-3254.	3.3	37
16	Chiralityâ€Embedded Nanographenes. Angewandte Chemie - International Edition, 2020, 59, 669-673.	13.8	34
17	A preparative strategy for supramolecular inclusion compounds by combination of dimer formation of isonicotinic acid and coordination bonding. Chemical Communications, 2001, , 2612-2613.	4.1	32
18	Supramolecular Graft Copolymerization of a Polyester by Guestâ€Selective Encapsulation of a Selfâ€Assembled Capsule. Angewandte Chemie - International Edition, 2017, 56, 2613-2618.	13.8	32

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19	Cooperative Self-Assembly of Carbazole Derivatives Driven by Multiple Dipoleâ€“Dipole Interactions. Journal of Organic Chemistry, 2016, 81, 6832-6837.	3.2	31
20	Majorityâ€Rules Effect and Allostery in Molecular Recognition of Calix[4]areneâ€Based Tripleâ€Stranded Metallohelicates. Chemistry - A European Journal, 2018, 24, 8558-8568.	3.3	29
21	A protocol for size separation of nanographenes. RSC Advances, 2019, 9, 33843-33846.	3.6	26
22	Selfâ€Assembly of Nanographenes. Angewandte Chemie - International Edition, 2021, 60, 12706-12711.	13.8	25
23	Intramolecular Migration of Bulky Substituents in the Solid State:Â Vinylogous Pinacol Rearrangements Induced Thermally and by Acid Catalysis. Journal of the American Chemical Society, 2000, 122, 10282-10288.	13.7	24
24	Vanadium(V) complexes of some bidentate hydrazone ligands and their bromoperoxidase activity. Polyhedron, 2017, 127, 135-143.	2.2	24
25	High Diastereoselection of a Dissymmetric Capsule by Chiral Guest Complexation. Angewandte Chemie, 2014, 126, 7371-7375.	2.0	23
26	Ion-based assemblies of planar anion complexes and cationic Pt^{II} complexes. Chemical Communications, 2014, 50, 10615-10618.	4.1	23
27	A Supramolecular Polymer Network of Graphene Quantum Dots. Angewandte Chemie, 2018, 130, 5054-5058.	2.0	23
28	Controlling stereoselectivity of solid-state photoreactions by co-crystal formation. Chemical Communications, 2011, 47, 10097.	4.1	22
29	Allostery in Guest Binding of Rimâ€toâ€Rimâ€Connected Homoditopic Biscavitands. European Journal of Organic Chemistry, 2016, 2016, 3300-3303.	2.4	22
30	Decelerated chirality interconversion of an optically inactive 310-helical peptide by metal chelation. Chemical Communications, 2008, , 2894.	4.1	19
31	Synthesis and Structure of Feet-to-Feet Connected Bisresorcinarenes. Journal of Organic Chemistry, 2017, 82, 13220-13230.	3.2	19
32	Edgeâ€Functionalized Nanographenes. Chemistry - A European Journal, 2021, 27, 187-199.	3.3	19
33	Adsorption and separation of poly-aromatic hydrocarbons by a hydrogen-bonded coordination polymer. Chemical Communications, 2012, 48, 5022.	4.1	18
34	Facile Synthesis of an Eight-Armed Star-Shaped Polymer via Coordination-Driven Self-Assembly of a Four-Armed Cavitand. ACS Macro Letters, 2018, 7, 1308-1311.	4.8	18
35	Chiralityâ€Embedded Nanographenes. Angewandte Chemie, 2020, 132, 679-683.	2.0	17
36	A Regulable Internal Cavity inside a Resorcinareneâ€Based Hemicarcerand. Chemistry - A European Journal, 2020, 26, 5810-5817.	3.3	16

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37	Chemically Functionalized Twoâ€Dimensional Carbon Materials. Chemistry - an Asian Journal, 2020, 15, 2316-2328.	3.3	15
38	Combination between metalâ€“ligand coordination and hydrogen bond interaction: a facile route for the construction of 3D coordination networks with the ability to include relatively large aromatic molecules. CrystEngComm, 2009, 11, 2251.	2.6	14
39	Nearâ€Infraredâ€Emitting Nitrogenâ€Doped Nanographenes. Angewandte Chemie, 2019, 131, 9120-9124.	2.0	14
40	Synthesis, X-ray crystal structures and inclusion properties of a hydrogen-bonded coordination polymer [Ni(SCN)2(pppeH)2]Â·(guest)x. CrystEngComm, 2011, 13, 6405.	2.6	13
41	Nanographenes from Distinct Carbon Sources. Bulletin of the Chemical Society of Japan, 2021, 94, 1394-1399.	3.2	13
42	Site-selective anion recognition of an interlocked dimer. Organic and Biomolecular Chemistry, 2017, 15, 4328-4335.	2.8	12
43	Structural Extension from an Isonicotinic Acid Dimer to 4-(4-Pyridyl)benzoic Acid (pybenH) Dimer: X-ray Crystal Structure Analysis and Inclusion Properties of a Hydrogen-Bonded Coordination Polymer [Ni(SCN)₂(pybenH)₂]_{â^ž}. Crystal Growth and Design, 2011, 11, 5574-5591.	3.0	11
44	Heteroleptic Ru(II) complexes containing aroyl hydrazone and 2,2â€²-bipyridyl: Synthesis, X-ray crystal structures, electrochemical and DFT studies. Polyhedron, 2014, 72, 115-121.	2.2	11
45	UV photodissociation spectroscopy of cryogenically cooled gas phase hostâ€“guest complex ions of crown ethers. Physical Chemistry Chemical Physics, 2015, 17, 25925-25934.	2.8	11
46	Supramolecular Graft Copolymerization of a Polyester by Guestâ€Selective Encapsulation of a Selfâ€Assembled Capsule. Angewandte Chemie, 2017, 129, 2657-2662.	2.0	11
47	Electrochromism of Nanographenes in the Nearâ€Infrared Region. Angewandte Chemie - International Edition, 2022, 61, .	13.8	11
48	Guest induced head-to-tail columnar assembly of 5,17-difunctionalized calix[4]arene. CrystEngComm, 2014, 16, 6023-6032.	2.6	10
49	Molecular recognition of upper rim functionalized cavitand and its unique dimeric capsule in the solid state. Organic and Biomolecular Chemistry, 2015, 13, 1647-1653.	2.8	10
50	Synthesis and Dimerization Studies of a Lipophilic Photoresponsive Arylâ€Extended Tetraureaâ€Calix[4]pyrrole. Chemistry - A European Journal, 2018, 24, 2182-2191.	3.3	10
51	Intrinsic Emission from Nanographenes. Chemistry - an Asian Journal, 2019, 14, 3213-3220.	3.3	10
52	Tunable enforced cavities inside self-assembled capsules. Organic Chemistry Frontiers, 2019, 6, 1561-1566.	4.5	10
53	Separation of Spectroscopically Uniform Nanographenes. Chemistry - an Asian Journal, 2019, 14, 1786-1791.	3.3	10
54	Feet-to-Feet Connected Trisresorcinarenes. Organic Letters, 2020, 22, 352-356.	4.6	10

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55	4-(4-Pyridyl)benzoic Acid (PybenH) Dimer: An Efficient and Reasonable Design for a Long Linear Bidentate Building Block Employed in Metalâ€“Organic Coordination Framework. Chemistry Letters, 2006, 35, 614-615.	1.3	9
56	Photoluminescence responses of graphene quantum dots toward organic bases and an acid. Photochemical and Photobiological Sciences, 2017, 16, 623-626.	2.9	9
57	Nanographene â€“ A Scaffold of Twoâ€Dimensional Materials. Chemical Record, 2022, 22, e202100257.	5.8	9
58	Upper-rim functionalization and supramolecular polymerization of a feet-to-feet-connected biscavitand. Chemical Communications, 2020, 56, 3733-3736.	4.1	8
59	A New Inclusion Compound Consisting of 2D Coordination Layers of [Cd(SCN)2]â^žand Pillars of Isonicotinamide Dimers. Chemistry Letters, 2005, 34, 1076-1077.	1.3	7
60	Cu3(CN)4(NH3)2Hg(CN)2: a novel interpenetrating framework formed from CuI, CuII, HgIIand cyanide bridges. Acta Crystallographica Section C: Crystal Structure Communications, 2006, 62, i32-i34.	0.4	7
61	Head-to-tail polymeric columnar structure of calix[4]arene possessing catechol arms in the solid state. CrystEngComm, 2013, 15, 8404.	2.6	7
62	Selfâ€Assembly of Nanographenes. Angewandte Chemie, 2021, 133, 12816-12821.	2.0	6
63	Blueish-white-light-emitting Nanographenes Developed by Pd-catalyzed Suzuki-Miyaura Cross Coupling Reactions. Chemistry Letters, 2021, 50, 664-667.	1.3	6
64	Microwave spectroscopic and ab initio studies of pyrolysis products of 2-nitrosopropene (syn form) and its pyrolysis mechanism. Journal of Analytical and Applied Pyrolysis, 2001, 60, 131-144.	5.5	5
65	Induced-Fit Molecular Recognition of Alkyl Chains in p-tert-Butylcalix[5]arene in the Solid State. Bulletin of the Chemical Society of Japan, 2016, 89, 220-225.	3.2	5
66	Calix[4]areneâ€Based Tripleâ€Stranded Metallohelicate in Water. Chemistry - an Asian Journal, 2021, 16, 49-55.	3.3	5
67	Hexameric assembly of 5,17-di-substituted calix[4]arene in the solid state. CrystEngComm, 2017, 19, 6744-6751.	2.6	4
68	Folding and Unfolding of Acetoxy Group-Terminated Alkyl Chains Inside a Size-Regulable Hemicarcerand. Journal of Organic Chemistry, 2021, 86, 4440-4447.	3.2	4
69	Resorcinarene-Based Supramolecular Capsules: Supramolecular Functions and Applications. Synlett, 2022, 33, 518-530.	1.8	4
70	Pseudorotaxanes in the gas phase: structure and energetics of protonated dibenzylamineâ€“crown ether complexes. Physical Chemistry Chemical Physics, 2018, 20, 18678-18687.	2.8	3
71	Substituent-controlled racemization of dissymmetric coordination capsules. Organic and Biomolecular Chemistry, 2019, 17, 4729-4735.	2.8	3
72	Mass and microwave spectroscopic studies of pyrolysates and pyrolysis mechanism of 1,1,2-trichloronitrosoethane. Journal of Analytical and Applied Pyrolysis, 2000, 53, 177-184.	5.5	2

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73	A Hofmann pyridine complex: poly[tetra-Î¼-cyano-dipyridinemanganese(II)nickel(II)]. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, m1627-m1629.	0.2	2
74	Organogelators of 5,17-Difunctionalized Calix[4]arenes. Chemistry Letters, 2019, 48, 43-46.	1.3	2
75	One-dimensional arrangement of NORIA in the solid-state. CrystEngComm, 2020, 22, 4740-4747.	2.6	2
76	Programmed Dynamic Covalent Chemistry System of Addition-condensation Reaction of Phenols and Aldehydes. Chemistry Letters, 2021, 50, 825-831.	1.3	2
77	Chirality Induction in a Hydrophilic Metallohelicate. Chemistry - an Asian Journal, 2022, 17, .	3.3	2
78	Hydrogen-bonded hexameric cluster of benzyl alcohol in the solid state polymeric organization of p-tert-Butylcalix[5]arene. Supramolecular Chemistry, 2016, 28, 444-449.	1.2	1
79	Absorption of chemicals in amorphous trisresorcinarene. Chemical Communications, 2020, 56, 12582-12585.	4.1	1
80	Synthesis and Conformational Characteristics of Calix[4]arene Oligomers. Bulletin of the Chemical Society of Japan, 2021, 94, 2792-2799.	3.2	1
81	Chirality realized only in the crystalline state: inorganic and organic compounds. Acta Crystallographica Section A: Foundations and Advances, 2008, 64, C34-C34.	0.3	1
82	Changing solid-state reaction stereochemistry: heavy-atom co-crystal method. Acta Crystallographica Section A: Foundations and Advances, 2011, 67, C362-C362.	0.3	0
83	Front Cover: Allostery in Guest Binding of Rim-to-Rim-Connected Homoditopic Biscavitands (Eur. J.) Tj ETQq1 1 0.784314 rgBT /Overlock	2.4	0
84	Frontispiece: Majority-Rules Effect and Allostery in Molecular Recognition of Calix[4]arene-Based Triple-Stranded Metallohelicates. Chemistry - A European Journal, 2018, 24, .	3.3	0
85	Translational isomers of N-sulfonylated [3]catenane: synthesis and isomerization. Chemical Communications, 2021, 57, 1915-1918.	4.1	0
86	Frontispiece: Selfâ€Assembly of Nanographenes. Angewandte Chemie - International Edition, 2021, 60, .	13.8	0
87	Frontispiz: Selfâ€Assembly of Nanographenes. Angewandte Chemie, 2021, 133, .	2.0	0
88	Chemical Modification of Nanographenes and Their Functions. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2021, 79, 743-754.	0.1	0
89	Electrochromism of Nanographenes in the Nearâ€Infrared Region. Angewandte Chemie, 0, , .	2.0	0
90	RÃ¼cktitelbild: Electrochromism of Nanographenes in the Nearâ€Infrared Region (Angew. Chem. 17/2022). Angewandte Chemie, 2022, 134, .	2.0	0