

Shunsuke Kuwahara

List of Publications by Year in descending order

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54
papers

1,090
citations

430874

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h-index

434195

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56
docs citations

56
times ranked

877
citing authors

#	ARTICLE	IF	CITATIONS
1	2-Methoxy-2-(1-naphthyl)propionic acid, a powerful chiral auxiliary for enantioresolution of alcohols and determination of their absolute configurations by the ¹ H NMR anisotropy method. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 1249-1253.	1.8	104
2	<i>pseudo</i> [1]Catenane-Type Pillar[5]thiacrown Whose Planar Chiral Inversion is Triggered by Metal Cation and Controlled by Anion. <i>Journal of the American Chemical Society</i> , 2018, 140, 9669-9677.	13.7	94
3	Concise Total Synthesis and Structure Assignment of TAN-1085. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 3167-3171.	13.8	78
4	Argentivorous Molecules Bearing Two Aromatic Side-Arms: Ag ⁺ and CH ⁺ Interactions in the Solid State and in Solution. <i>Inorganic Chemistry</i> , 2013, 52, 2542-2549.	4.0	58
5	Practical enantioresolution of alcohols with 2-methoxy-2-(1-naphthyl)propionic acid and determination of their absolute configurations by the ¹ H NMR anisotropy method. <i>Chirality</i> , 2002, 14, 81-84.	2.6	55
6	Argentivorous Molecules: Structural Evidence for Ag ⁺ Interactions in Solution. <i>Organic Letters</i> , 2012, 14, 4576-4579.	4.6	53
7	M ⁺ NP acid, a powerful chiral molecular tool for preparation of enantiopure alcohols by resolution and determination of their absolute configurations by the ¹ H NMR anisotropy method. <i>Chirality</i> , 2004, 16, 569-585.	2.6	52
8	Conformational Analysis of M ⁺ NP Esters, Powerful Chiral Resolution and ¹ H NMR Anisotropy Tools Aromatic Geometry and Solvent Effects on ¹ H Values. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 1811-1826.	2.4	41
9	Coordination Networks of a Ditopic Macrocyclic Exhibiting Anion-Controlled Dimensional Changes and Crystal-to-Crystal Anion Exchange. <i>Inorganic Chemistry</i> , 2015, 54, 5372-5383.	4.0	38
10	A New Model of Light-Powered Chiral Molecular Motor with Higher Speed of Rotation, Part 1 - Synthesis and Absolute Stereostructure. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 4533-4543.	2.4	34
11	Crystalline-State Conformational Analysis of M ⁺ NP Esters, Powerful Resolution and Chiral ¹ H NMR Anisotropy Tools. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 1827-1840.	2.4	31
12	Argentivorous molecules with two kinds of aromatic side-arms: intramolecular competition between side-arms. <i>Dalton Transactions</i> , 2013, 42, 8212.	3.3	26
13	A New Model of Light-Powered Chiral Molecular Motor with Higher Speed of Rotation, Part 2 - Dynamics of Motor Rotation. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 4544-4556.	2.4	23
14	The water-soluble argentivorous molecule: Ag ⁺ interactions in water. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 4265.	2.8	22
15	Combination of a New Chiroptical Probe and Theoretical Calculations for Chirality Detection of Primary Amines. <i>Organic Letters</i> , 2013, 15, 5738-5741.	4.6	21
16	Argentivorous molecules bearing three aromatic side arms: synthesis of triple-armed cyclens and their complexing property towards Ag ⁺ . <i>Dalton Transactions</i> , 2015, 44, 1170-1177.	3.3	21
17	Chirality transcription and amplification by [2]pseudorotaxanes. <i>Chemical Communications</i> , 2013, 49, 2186.	4.1	20
18	(R)-(+)-[VCD(-)984]-4-Ethyl-4-methyloctane: A Cryptochiral Hydrocarbon with a Quaternary Chiral Center. (2) Vibrational CD Spectra of Both Enantiomers and Absolute Configurational Assignment. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 6385-6392.	2.4	19

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19	Synthesis of Enantiopure Aliphatic Acetylene Alcohols and Determination of Their Absolute Configurations by ¹ H NMR Anisotropy and/or X-ray Crystallography. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 2313-2324.	2.4	18
20	(<i>R</i>)-(+)-[VCD(̑)984]4-Ethyl4-methyloctane: A Cryptochiral Hydrocarbon with a Quaternary Chiral Center. (1) Synthesis of the Enantiopure Compound and Unambiguous Determination of Absolute Configuration. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 6372-6384.	2.4	18
21	Crystalline State Conformation of 2-Methoxy-2-(1-naphthyl)propionic Acid Ester. <i>Enantiomer</i> , 2002, 7, 219-223.	0.5	17
22	Diffusion of Nanocars on an Air-Glass Interface. <i>Journal of Physical Chemistry C</i> , 2018, 122, 19025-19036.	3.1	15
23	Synthesis of peptide-conjugated light-driven molecular motors and evaluation of their DNA-binding properties. <i>Molecular BioSystems</i> , 2013, 9, 969.	2.9	14
24	Tetra-Armed Cyclen Bearing Two Benzo-15-Crown-5 Ethers in the Side Arms. <i>Inorganic Chemistry</i> , 2014, 53, 10514-10519.	4.0	14
25	C-H...Cl hydrogen bonds in solution and in the solid-state: HgCl ₂ complexes with cyclen-based cryptands. <i>Dalton Transactions</i> , 2017, 46, 3800-3804.	3.3	13
26	Thermal <i>E</i> / <i>Z</i> Isomerization in First Generation Molecular Motors. <i>Journal of Organic Chemistry</i> , 2018, 83, 4800-4804.	3.2	12
27	Inclusion of alkyl nitriles by tetra-armed cyclens with styrylmethyl groups. <i>Dalton Transactions</i> , 2020, 49, 3112-3119.	3.3	12
28	Solvent-Dependent Formations of Supramolecular Isomers and a Single-Crystal to Single-Crystal Transformation from a Cyclic Dimer Complex to a One-Dimensional Coordination Polymer. <i>Crystal Growth and Design</i> , 2020, 20, 3284-3292.	3.0	12
29	Hg ²⁺ -Sensing System Based on Structures of Complexes. <i>Organic Letters</i> , 2012, 14, 1564-1567.	4.6	11
30	Synthesis and Photostability of Unimolecular Submersible Nanomachines: Toward Single-Molecule Tracking in Solution. <i>Organic Letters</i> , 2016, 18, 2343-2346.	4.6	11
31	Anion-Controlled Circular Dichroism Spectral Changes in Hg ²⁺ Complexes with a Chiral Bidentate Ligand. <i>Inorganic Chemistry</i> , 2012, 51, 7022-7024.	4.0	10
32	Construction of an M ₃ L ₂ A ₆ Cage with Small Windows from a Flexible Tripodal Ligand and Cu(hfac) ₃ . <i>Inorganic Chemistry</i> , 2014, 53, 24-26.	4.0	10
33	Silver ion-induced chiral enhancement by argentivorous molecules. <i>Chemical Communications</i> , 2020, 56, 3373-3376.	4.1	10
34	Pentacyclic Nano-Trefoil. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 650-654.	13.8	10
35	A general method for the synthesis of enantiopure aliphatic chain alcohols with established absolute configurations. Part 2, via catalytic reduction of acetylene alcohol M ₂ NP esters. <i>Tetrahedron: Asymmetry</i> , 2014, 25, 1466-1477.	1.8	9
36	Pillar[5]bis-thiacrown: An Adaptive Tricyclic Host Selectively Recognizing an Organic Guest by Dimetalation. <i>Chemistry - A European Journal</i> , 2019, 25, 949-953.	3.3	9

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37	Influence of the Molar Ratio and Solvent on the Coordination Modes of 1,7-Dibenzyl-4,10-bis(pyridin-4-ylmethyl)cyclen. <i>Inorganic Chemistry</i> , 2020, 59, 11166-11173.	4.0	9
38	A general method for the synthesis of enantiopure aliphatic chain alcohols with established absolute configurations. Part 1. Application of the M ₁ ±NP acid method to acetylene alcohols. <i>Tetrahedron: Asymmetry</i> , 2014, 25, 1456-1465.	1.8	8
39	Double-armed and tetra-armed cyclen-based cryptands. <i>Supramolecular Chemistry</i> , 2017, 29, 370-377.	1.2	7
40	Argentivorous Molecules with Chromophores in Side Arms: Silver Ion-Induced Turn On and Turn Off of Fluorescence. <i>Inorganic Chemistry</i> , 2021, 60, 9141-9147.	4.0	7
41	Argentivorous Molecules Exhibiting Highly Selective Silver(I) Chiral Enhancement. <i>Inorganic Chemistry</i> , 2020, 59, 13435-13441.	4.0	6
42	A Thiocalix <i>Basket</i> and Its Anion-Dependent 2â€D and 3â€D Silver(I) Coordination Polymers via Exo-Coordination. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 356-360.	2.0	6
43	Enhancing Photostability of Fluorescent Dye-Attached Molecular Machines at Air-Glass Interface Using Cyclooctatetraene. <i>Journal of Physical Chemistry C</i> , 2019, 123, 3011-3018.	3.1	5
44	Mole-Ratio-Dependent Reversible Transformation between 2:2 and Cyclic 3:6 Silver(I) Complexes with an Argentivorous Molecule. <i>Inorganic Chemistry</i> , 2021, 60, 1738-1745.	4.0	4
45	3-Menthoxycyclohexyl-4-carboxylic acid: a versatile resolving agent and reagent for determination of the absolute configuration of benzylic alcohols. <i>Tetrahedron: Asymmetry</i> , 2017, 28, 945-953.	1.8	3
46	¹ H NMR Study of a Chiral Argentivorous Molecule/Ag ⁺ Complex: Assignment of Proton Signals of Four Aromatic Rings with Slightly Different Environments. <i>Inorganic Chemistry</i> , 2020, 59, 18444-18451.	4.0	3
47	Bis-Argentivorous Molecules Bridged by Phenyl and 4,4'-Biphenyl Groups: Structural and Dynamic Behavior of Silver Complexes. <i>Inorganic Chemistry</i> , 2021, 60, 15159-15168.	4.0	3
48	Effects of structures of HgX ₂ complexes (X = CF ₃ SO ₃ and Cl) with chiral bidentate ligands on circular dichroism spectra. <i>Dalton Transactions</i> , 2013, 42, 3009.	3.3	2
49	Chiral Argentivorous Molecules Having Biphenyl Groups as Side-arms: Drastic Enhancements in CD Intensities. <i>Chemistry Letters</i> , 2020, 49, 1178-1180.	1.3	2
50	<i>Cosmosen</i>: Octa-Armed 24-Membered Cyclic Octaamine Synthesized from a Byproduct in the Preparation of 4-Benzyl-2,6-dioxocyclen. <i>Journal of Organic Chemistry</i> , 2021, 86, 9847-9853.	3.2	2
51	Argentivorous Molecules with Oxyethylene Chains in Side-Arms: Silver Ion-Induced Selectivity Changes toward Alkali Metal Ions. <i>Inorganic Chemistry</i> , 2021, 60, 11320-11327.	4.0	2
52	Synthesis and Aldose Reductase Inhibitory Activity of Botryllazine A Derivatives. <i>Chemical and Pharmaceutical Bulletin</i> , 2019, 67, 556-565.	1.3	1
53	Pentacyclic Nano-Trefoil. <i>Angewandte Chemie</i> , 2021, 133, 660-664.	2.0	0
54	Ten-Membered Rings or Larger With One or More Oxygen and Sulfur Atoms. , 2020, , 833-833.		0