

Taisuke Matsuno

List of Publications by Year in descending order

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46
papers

1,408
citations

361413
20
h-index

330143
37
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50
docs citations

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times ranked

1190
citing authors

#	ARTICLE	IF	CITATIONS
1	A Defective Nanotube Molecule of C ₅₅₂ H ₄₉₆ N ₂₄ with Pyridinic and Pyrrolic Nitrogen Atoms. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	4
2	A Defective Nanotube Molecule of C ₅₅₂ H ₄₉₆ N ₂₄ with Pyridinic and Pyrrolic Nitrogen Atoms. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	8
3	Activation of Positive Cooperativity by Size-Mismatch Assembly via Inclination of Guests in a Single-Site Receptor. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	3.3	5
4	A large-bore chiral cylindrical molecule prone to radial deformations. <i>Tetrahedron Letters</i> , 2022, , 153774.	1.4	2
5	Singly and Triply Linked Magnetic Porphyrin Lanthanide Arrays. <i>Journal of the American Chemical Society</i> , 2022, 144, 8693-8706.	13.7	13
6	A Case Study of Stereoisomerism with [6]Cyclo[4]helicenylenes. <i>Chemistry Letters</i> , 2021, 50, 110-112.	1.3	4
7	Stereoselectivity in spontaneous assembly of rolled incommensurate carbon bilayers. <i>Nature Communications</i> , 2021, 12, 1575.	12.8	9
8	Fused Quinoidal Dithiophene-Based Helicenes: Synthesis by Intramolecular Radical-Radical Coupling Reactions and Dynamics of Interconversion of Enantiomers. <i>Angewandte Chemie</i> , 2021, 133, 10414-10421.	2.0	3
9	Fused Quinoidal Dithiophene-Based Helicenes: Synthesis by Intramolecular Radical-Radical Coupling Reactions and Dynamics of Interconversion of Enantiomers. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10326-10333.	13.8	16
10	Manipulations of Chiroptical Properties in Belt-Persistent Cycloarylenes via Desymmetrization with Heteroatom Doping. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19097-19101.	13.8	22
11	Manipulations of Chiroptical Properties in Belt-Persistent Cycloarylenes via Desymmetrization with Heteroatom Doping. <i>Angewandte Chemie</i> , 2021, 133, 19245-19249.	2.0	9
12	A hybrid molecular peapod of sp ² - and sp ³ -nanocarbons enabling ultrafast terahertz rotations. <i>Nature Communications</i> , 2021, 12, 5062.	12.8	12
13	Synthesis and Chiral Resolution of Twisted Carbon Nanobelts. <i>Journal of the American Chemical Society</i> , 2021, 143, 15924-15929.	13.7	55
14	Metal-Templated Oligomeric Macrocyclization via Coupling for Metal-Doped π -Systems. <i>Journal of the American Chemical Society</i> , 2021, 143, 15017-15021.	13.7	10
15	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.	3.3	5
16	Crystalline Naphthylene Macrocycles Capturing Gaseous Small Molecules in Chiral Nanopores. <i>Chemistry - an Asian Journal</i> , 2020, 15, 3829-3835.	3.3	3
17	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.	13.8	6
18	Benzidine/Quinoidal-Benzidine-Linked, Superbenzene-Based π -Conjugated Chiral Macrocycles and Cyclophanes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9727-9735.	13.8	25

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19	Benzidine/Quinoidalâ€Benzidineâ€Linked, Superbenzeneâ€Based Î€â€Conjugated Chiral Macrocycles and Cyclophanes. <i>Angewandte Chemie</i> , 2020, 132, 9814-9822.	2.0	5
20	Ineffective OH Pinning of the Flipping Dynamics of a Spherical Guest within a Tightâ€Fitting Tube. <i>Angewandte Chemie</i> , 2020, 132, 14678-14684.	2.0	4
21	Retarded Solidâ€State Rotations of an Ovalâ€Shaped Guest in a Deformed Cylinder with CHâ€i Arrays. <i>Angewandte Chemie</i> , 2019, 131, 12298-12302.	2.0	10
22	Retarded Solidâ€State Rotations of an Ovalâ€Shaped Guest in a Deformed Cylinder with CHâ€i Arrays. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12170-12174.	13.8	18
23	Narrowing Segments of Helical Carbon Nanotubes with Curved Aromatic Panels. <i>Angewandte Chemie</i> , 2019, 131, 7463-7467.	2.0	16
24	Narrowing Segments of Helical Carbon Nanotubes with Curved Aromatic Panels. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7385-7389.	13.8	42
25	Unbiased Rotational Motions of an Ellipsoidal Guest in a Tight Yet Pliable Host. <i>Angewandte Chemie</i> , 2019, 131, 2062-2066.	2.0	12
26	Unbiased Rotational Motions of an Ellipsoidal Guest in a Tight Yet Pliable Host. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2040-2044.	13.8	21
27	Stereoisomerism and Structures of Rigid Cylindrical Cycloarylenes. <i>Bulletin of the Chemical Society of Japan</i> , 2018, 91, 907-921.	3.2	49
28	Concyclic CHâ€i arrays for single-axis rotations of a bowl in a tube. <i>Nature Communications</i> , 2018, 9, 3779.	12.8	59
29	Ratchet-free solid-state inertial rotation of a guest ball in a tight tubular host. <i>Nature Communications</i> , 2018, 9, 1907.	12.8	43
30	Pentagonâ€Embedded Cycloarylenes with Cylindrical Shapes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9106-9110.	13.8	40
31	Assembly, Thermodynamics, and Structure of a Twoâ€Wheeled Composite of a Dumbbellâ€Shaped Molecule and Cylindrical Molecules with Different Edges. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15020-15024.	13.8	30
32	Pentagonâ€Embedded Cycloarylenes with Cylindrical Shapes. <i>Angewandte Chemie</i> , 2017, 129, 9234-9238.	2.0	18
33	Enhanced yet Inverted Effects of Î€-Extension in Self-Assembly of Curved Î€-Systems with Helicity. <i>Organic Letters</i> , 2017, 19, 6456-6459.	4.6	12
34	Assembly, Thermodynamics, and Structure of a Twoâ€Wheeled Composite of a Dumbbellâ€Shaped Molecule and Cylindrical Molecules with Different Edges. <i>Angewandte Chemie</i> , 2017, 129, 15216-15220.	2.0	22
35	Selfâ€Sorting of Two Hydrocarbon Receptors with One Carbonaceous Ligand. <i>Angewandte Chemie</i> , 2016, 128, 15565-15569.	2.0	26
36	Selfâ€Sorting of Two Hydrocarbon Receptors with One Carbonaceous Ligand. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15339-15343.	13.8	38

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37	Synthesis and Dynamic Structures of a Hybrid Nanohoop Molecule Composed of Anthanthrenylene and Phenylene Panels. <i>Chemistry Letters</i> , 2015, 44, 1581-1583.	1.3	19
38	Modulation of Energy Conversion Processes in Carbonaceous Molecular Bearings. <i>Chemistry - an Asian Journal</i> , 2015, 10, 2404-2410.	3.3	15
39	Molecular recognition in curved π -systems: effects of π -lengthening of tubular molecules on thermodynamics and structures. <i>Chemical Science</i> , 2015, 6, 909-916.	7.4	72
40	Geometric measures of finite carbon nanotube molecules: a proposal for length index and filling indexes. <i>Pure and Applied Chemistry</i> , 2014, 86, 489-495.	1.9	55
41	Bottom-up synthesis and structures of π -lengthened tubular macrocycles. <i>Chemical Science</i> , 2013, 4, 3179.	7.4	127
42	2,11-Dibromo-5,8-dibutyl[4]helicene. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o1239-o1239.	0.2	2
43	[Cu(dap) ₂ Cl] As an Efficient Visible-Light-Driven Photoredox Catalyst in Carbon-Carbon Bond-Forming Reactions. <i>Chemistry - A European Journal</i> , 2012, 18, 7336-7340.	3.3	286
44	Iridium-catalyzed direct borylation of phenacenes. <i>Tetrahedron Letters</i> , 2012, 53, 1180-1182.	1.4	31
45	Illusory Molecular Expression of "Penrose Stairs" by an Aromatic Hydrocarbon. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 6048-6051.	13.8	52
46	Concise Synthesis of Halogenated Chrysenes ([4]Phenacenes) that Favor π -Stack Packing in Single Crystals. <i>Organic Letters</i> , 2009, 11, 4026-4028.	4.6	47