Masayuki Takeuchi

List of Publications by Year
in descending order

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229 papers	12,704 citations	22099 59 h-index	30010 103 g-index
261 all docs	261 docs citations	261 times ranked	9480 citing authors

#	Article	IF	Citations
1	Living supramolecular polymerization realized through a biomimetic approach. Nature Chemistry, 2014, 6, 188-195.	6.6	666
2	Mechanism of Self-Assembly Process and Seeded Supramolecular Polymerization of Perylene Bisimide Organogelator. Journal of the American Chemical Society, 2015, 137, 3300-3307.	6.6	433
3	Control over differentiation of a metastable supramolecular assembly in one and two dimensions. Nature Chemistry, 2017, 9, 493-499.	6.6	408
4	Positive Allosteric Systems Designed on Dynamic Supramolecular Scaffolds:â€‰ Toward Switching and Amplification of Guest Affinity and Selectivity. Accounts of Chemical Research, 2001, 34, 494-503.	7.6	402
5	A Colorimetric and Ratiometric Fluorescent Chemosensor with Three Emission Changes: Fluoride Ion Sensing by a Triarylboraneâ€“ Porphyrin Conjugate. Angewandte Chemie - International Edition, 2003, 42, 2036-2040.	7.2	369
6	Rhodium-Catalyzed Enantioselective Synthesis, Crystal Structures, and Photophysical Properties of Helically Chiral 1,1â€²-Bitriphenylenes. Journal of the American Chemical Society, 2012, 134, 4080-4083.	6.6	351
7	A Sensitive Colorimetric and Fluorescent Probe Based on a Polythiophene Derivative for the Detection of ATP. Angewandte Chemie - International Edition, 2005, 44, 6371-6374.	7.2	310
8	Molecular Design of Artificial Molecular and Ion Recognition Systems with Allosteric Guest Responses. Accounts of Chemical Research, 2001, 34, 865-873.	7.6	307
9	Enantioselective Synthesis and Enhanced Circularly Polarized Luminescence of S-Shaped Double Azahelicenes. Journal of the American Chemical Society, 2014, 136, 5555-5558.	6.6	306
10	Hierarchical Assembly of a Phthalhydrazideâ€Functionalized Helicene. Angewandte Chemie - International Edition, 2011, 50, 3684-3687.	7.2	219
11	Chiral intertwined spirals and magnetic transition dipole moments dictated by cylinder helicity. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13097-13101.	3.3	210
12	Sugar-Integrated Gelators of Organic Solventsâ€”Their Remarkable Diversity in Gelation Ability and Aggregate Structure. Chemistry - A European Journal, 1999, 5, 2722-2729.	1.7	209
13	Post-polymerization of preorganized assemblies for creating shape-controlled functional materials. Chemical Society Reviews, 2007, 36, 415-435.	18.7	202
14	Thermally Assisted Photonic Inversion of Supramolecular Handedness. Angewandte Chemie - International Edition, 2012, 51, 10505-10509.	7.2	189
15	Photoregulated Living Supramolecular Polymerization Established by Combining Energy Landscapes of Photoisomerization and Nucleationâ€“Elongation Processes. Journal of the American Chemical Society, 2016, 138, 14347-14353.	6.6	178
16	Kinetic Control over Pathway Complexity in Supramolecular Polymerization through Modulating the Energy Landscape by Rational Molecular Design. Angewandte Chemie - International Edition, 2014, 53, 14363-14367.	7.2	162
17	A Strong Positive Allosteric Effect in the Molecular Recognition of Dicarboxylic Acids by a Cerium(IV) Bis[tetrakis(4-pyridyl)porphyrinate] Double Decker. Angewandte Chemie - International Edition, 1998, 37, 2096-2099.	7.2	154
18	Phosphorescence from a pure organic fluorene derivative in solution at room temperature. Chemical Communications, 2013, 49, 8447.	2.2	140

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19	Allosteric Fluoride Anion Recognition by a Doubly Strapped Porphyrin. Angewandte Chemie - International Edition, 2001, 40, 3372-3376.	7.2	135
20	Rational Design of a Sugar-Appended Porphyrin Gelator That Is Forced To Assemble into a One-Dimensional Aggregate. Organic Letters, 2001, 3, 3631-3634.	2.4	130
21	Double helical silica fibrils by solâ€“gel transcription of chiral aggregates of gemini surfactantsElectronic supplementary information (ESI) available: Fig. S1: TEM image of double stranded silica obtained by solâ€“gel transcription of l-1/d-1 gel (2â^¶1 mol/mol, 33% ee l-1 excess). See http://www.rsc.org/suppdata/cc/b2/b202799m/. Chemical Communications, 2002, , 1212-1213.	2.2	130
22	A Self-Threading Polythiophene: Defect-Free Insulated Molecular Wires Endowed with Long Effective Conjugation Length. Journal of the American Chemical Society, 2010, 132, 14754-14756.	6.6	129
23	Unusual emission properties of a triphenylene-based organogel systemElectronic supplementary information (ESI) available: Characterization data for 1 and 2. Fig. S1: UV-Vis spectra of 1 and 2. Fig. S2: X-ray powder diffractograms of xerogels 1 and 2. Fig. S3: Transient fluorescence spectra and fluorescence decays of cyclohexane gel 1. See http://www.rsc.org/suppdata/cc/b3/b302415f/. Chemical Communications, 2003, , 1354.	2.2	124
24	A Block Supramolecular Polymer and Its Kinetically Enhanced Stability. Journal of the American Chemical Society, 2018, 140, 10570-10577.	6.6	112
25	A Dendritic Porphyrin Receptor for C60 Which Features a Profound Positive Allosteric Effect. Angewandte Chemie - International Edition, 2002, 41, 2790-2792.	7.2	108
26	Proton-sensitive fluorescent organogelsElectronic supplementary information (ESI) available: excitation spectrum of 1Â·H+ and fluorescence spectrum of 1 in 1-propanol at 25 Â°C. See http://www.rsc.org/suppdata/ob/b2/b210968a/. Organic and Biomolecular Chemistry, 2003, 1, 895-899.	1.5	103
27	Single Molecular Resistive Switch Obtained via Sliding Multiple Anchoring Points and Varying Effective Wire Length. Journal of the American Chemical Society, 2014, 136, 7327-7332.	6.6	101
28	Cooperative C60Binding to a Porphyrin Tetramer Arranged around ap-Terphenyl Axis in 1:2 Hostâ^'Guest Stoichiometry. Organic Letters, 2002, 4, 925-928.	2.4	96
29	Highly Selective and Sensitive â€œSugar Tweezerâ€•Designed from a Boronic-Acid-Appended Î¼-Oxobis[porphinatoiron(III)]. Journal of the American Chemical Society, 1996, 118, 10658-10659.	6.6	93
30	Thermoplastic Fluorescent Conjugated Polymers: Benefits of Preventing Ï€â€“Ï€ Stacking. Angewandte Chemie - International Edition, 2013, 52, 10775-10779.	7.2	92
31	Helical Superstructure of Conductive Polymers as Created by Electrochemical Polymerization by Using Synthetic Lipid Assemblies as a Template. Angewandte Chemie - International Edition, 2004, 43, 465-469.	7.2	88
32	A Directly Linked Ferroceneâ€“Naphthalenediimide Conjugate: Precise Control of Stacking Structures of Ï€â€Systems by Redox Stimuli. Angewandte Chemie - International Edition, 2013, 52, 9167-9171.	7.2	87
33	First Successful Molecular Design of an Artificial Lewis Oligosaccharide Binding System Utilizing Positive Homotropic Allosterism. Journal of the American Chemical Society, 2001, 123, 10239-10244.	6.6	86
34	Novel Oligosaccharide Binding to the Cerium(IV) Bis(porphyrinate) Double Decker: Effective Amplification of a Binding Signal through Positive Homotropic Allosterism. Angewandte Chemie - International Edition, 2000, 39, 3839-3842.	7.2	84
35	Allosteric Binding of an Ag+ Ion to Cerium(IV) Bis-porphyrinates Enhances the Rotational Activity of Porphyrin Ligands. Chemistry - A European Journal, 2002, 8, 5541-5550.	1.7	84
36	Superstructures and superhydrophobic property in hierarchical organized architectures of fullerenes bearing long alkyl tails. Journal of Materials Chemistry, 2010, 20, 1253-1260.	6.7	83

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37	Sugar-integrated gelators of organic fluids: on their versatility as building-blocks and diversity in superstructures. Chemical Communications, 1998, , 907-908.	2.2	81
38	Solâ€“Gel Transcription of Sugar-Appended Porphyrin Assemblies into Fibrous Silica: Unimolecular Stacks versus Helical Bundles as Templates. Angewandte Chemie - International Edition, 2002, 41, 853.	7.2	81
39	Oligofluorene-based electrophoretic nanoparticles in aqueous medium as a donor scaffold for fluorescence resonance energy transfer and white-light emission. Chemical Science, 2011, 2, 291-294.	3.7	81
40	Molecular design of a PET-based chemosensor for uronic acids and sialic acids utilizing a cooperative action of boronic acid and metal chelate. Tetrahedron, 1998, 54, 3125-3140.	1.0	78
41	A Supramolecular Bundling Approach toward the Alignment of Conjugated Polymers. Angewandte Chemie - International Edition, 2006, 45, 1548-1553.	7.2	78
42	Molecular design of artificial sugar sensing systems. TrAC - Trends in Analytical Chemistry, 1996, 15, 188-194.	5.8	77
43	Sugar-Controlled Aggregate Formation in Boronic Acid-Appended Porphyrin Amphiphiles. Journal of the American Chemical Society, 1996, 118, 245-246.	6.6	74
44	Efficient chirality transcription utilizing a cerium(IV) double decker porphyrin: a prototype for development of a molecular memory system. Journal of the Chemical Society Perkin Transactions 1, 1999, , 3259-3264.	0.9	72
45	A Bevelâ€Gearâ€Shaped Rotor Bearing a Doubleâ€Decker Porphyrin Complex. Chemistry - A European Journal, 2010, 16, 8285-8290.	1.7	72
46	Porphyrin-Based Organogels:Â Control of the Aggregation Mode by a Pyridineâ”Carboxylic Acid Interaction. Langmuir, 2005, 21, 2163-2172.	1.6	69
47	Fluorescence and CD spectroscopic sugar sensing by a cyanine-appended diboronic acid probe. Tetrahedron, 1996, 52, 1195-1204.	1.0	68
48	Chiral sugar recognition by a diboronic-acid-appended binaphthyl derivative through rigidification effect. Tetrahedron, 1997, 53, 8335-8348.	1.0	68
49	Allosteric Silver(I) Ion Binding with Peripheral Ï€ Clefts of a Ce(IV) Double Decker Porphyrin. Organic Letters, 2000, 2, 1803-1805.	2.4	68
50	Title is missing!. Angewandte Chemie, 2003, 115, 2082-2086.	1.6	68
51	Supramolecular double-stranded Archimedean spirals and concentric toroids. Nature Communications, 2020, 11, 3578.	5.8	67
52	Enantioselective Synthesis, Crystal Structure, and Photophysical Properties of a 1,1â€²â€Bitriphenyleneâ€Based Sila[7]helicene. European Journal of Organic Chemistry, 2015, 2015, 1409-1414.	1.2	65
53	Detection of explosive vapors with a charge transfer molecule: self-assembly assisted morphology tuning and enhancement in sensing efficiency. Chemical Communications, 2010, 46, 874.	2.2	63
54	On the influence of porphyrin Ï€â€“Ï€ stacking on supramolecular chirality created in the porphyrin-based twisted tape structure. Chemical Communications, 2005, , 5539.	2.2	61

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55	Highly Enantioselective Recognition of Dicarboxylic Acid Substrates by the Control of Nonlinear Responses. Journal of the American Chemical Society, 2006, 128, 16008-16009.	6.6	60
56	Noncovalent Functionalization of SWNTs with Azobenzene-Containing Polymers: Solubility, Stability, and Enhancement of Photoresponsive Properties. Journal of Physical Chemistry C, 2011, 115, 4533-4539.	1.5	59
57	A saccharide â€˜spongeâ€™. Synthesis and properties of a dendritic boronic acid. Chemical Communications, 1996, , 705-706.	2.2	57
58	A porphyrin-based gelator assembly which is reinforced by peripheral urea groups and chirally twisted by chiral urea additives. Tetrahedron Letters, 2002, 43, 3751-3755.	0.7	57
59	Controlled Fabrication of Fullerene C₆₀ into Microspheres of Nanoplates through Porphyrinâ€Polymerâ€Assisted Selfâ€Assembly. Angewandte Chemie - International Edition, 2009, 48, 9646-9651.	7.2	57
60	Molecular design of synthetic receptors with dynamic, imprinting, and allosteric functions. Biosensors and Bioelectronics, 2004, 20, 1250-1259.	5.3	56
61	Conjugated Oligomers and Polymers Sheathed with Designer Side Chains. Chemistry - an Asian Journal, 2015, 10, 1820-1835.	1.7	55
62	Chirality sensing of saccharides using a boronic acid-appended chiral ferrocene derivative. Tetrahedron: Asymmetry, 2000, 11, 3311-3322.	1.8	53
63	Nano-Rod Structure of Poly(ethylenedioxythiophene) and Poly(pyrrole) As Created by Electrochemical Polymerization Using Anionic Porphyrin Aggregates as Template. Organic Letters, 2003, 5, 1395-1398.	2.4	52
64	Molecular Rotation in Self-Assembled Multidecker Porphyrin Complexes. ACS Nano, 2011, 5, 9575-9582.	7.3	49
65	Fluorescent sensing of uronic acids based on a cooperative action of boronic acid and metal chelate. Chemical Communications, 1997, , 1731-1732.	2.2	47
66	Unexpected Chiroptical Inversion Observed for Supramolecular Complexes Formed between an Achiral Polythiophene and ATP. Chemistry - an Asian Journal, 2006, 1, 95-101.	1.7	47
67	Electrochemical Generation and Spectroscopic Characterization of Charge Carriers within Isolated Planar Polythiophene. Macromolecules, 2012, 45, 3759-3771.	2.2	47
68	Phthalocyanineâ€Cored Starâ€Shaped Polystyrene for Nano Floating Gate in Nonvolatile Organic Transistor Memory Device. Advanced Electronic Materials, 2016, 2, 1500300.	2.6	47
69	Synthesis of New Diaryl-Substituted Triple-Decker and Tetraaryl-substituted Double-Decker Lanthanum(III) Porphyrins and Their Porphyrin Ring Rotational Speed as Compared with that of Double-Decker Cerium(IV) Porphyrins. Bulletin of the Chemical Society of Japan, 2001, 74, 739-746.	2.0	45
70	Molecular Design of Synthetic Receptors with Dynamic, Imprinting, and Allosteric Functions. Bulletin of the Chemical Society of Japan, 2005, 78, 40-51.	2.0	45
71	Whispering Gallery Resonance from Self-Assembled Microspheres of Highly Fluorescent Isolated Conjugated Polymers. Macromolecules, 2015, 48, 3928-3933.	2.2	45
72	The First Example of Positive Allosterism in an Aqueous Saccharide-Binding System Designed on a Ce(IV) Bis(porphyrinate) Double Decker Scaffold. Tetrahedron, 2000, 56, 4717-4723.	1.0	43

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73	Spectroscopic sugar sensing by a stilbene derivative with push (Me2N-)-pull ((HO)2B-)-type substituents. Tetrahedron, 1995, 51, 1893-1902.	1.0	42
74	Molecular Design of Boronic Acid-Based Dye Receptors for Nucleosides. Bulletin of the Chemical Society of Japan, 1996, 69, 2613-2618.	2.0	42
75	Selective binding of glucose-6-phosphate, 3,4-dihydroxyphenylalanine (DOPA) and their analogs with a boronic-acid-appended metalloporphyrin. Tetrahedron, 1996, 52, 2817-2826.	1.0	42
76	Allosteric binding of anionic guests to a bicyclic host which imitates the action of a â€˜turnstileâ€™. Chemical Communications, 2005, , 3805.	2.2	42
77	Picketâ€Fence Polythiophene and its Diblock Copolymers that Afford Microphase Separations Comprising a Stacked and an Isolated Polythiophene Ensemble. Angewandte Chemie - International Edition, 2014, 53, 8870-8875.	7.2	42
78	Effect of Conjugated Backbone Protection on Intrinsic and Light-Induced Fluorescence Quenching in Polythiophenes. Chemistry of Materials, 2014, 26, 4867-4875.	3.2	42
79	A boronic acidâ€“diol interaction is useful for chiroselective transcription of the sugar structure to the Î”- versus Î›-[CoIII(bpy)3]3+ ratio. Journal of the Chemical Society Perkin Transactions II, 1998, , 2281-2288.	0.9	41
80	A carbazoleâ€“fluorene molecular hybrid for quantitative detection of TNT using a combined fluorescence and quartz crystal microbalance method. Physical Chemistry Chemical Physics, 2014, 16, 18896-18901.	1.3	41
81	Living supramolecular polymerization based on reversible deactivation of a monomer by using a â€˜dummyâ€™ monomer. Chemical Science, 2019, 10, 6770-6776.	3.7	39
82	Strong Positive Allosterism which Appears in Molecular Recognition with Cerium(IV) Double Decker Porphyrins: Correlation between the Number of Binding Sites and Hill Coefficients. Supramolecular Chemistry, 2000, 12, 321-345.	1.5	38
83	Flowerlike supramolecular architectures assembled from C60 equipped with a pyridine substituent. Chemical Communications, 2010, 46, 8752.	2.2	38
84	A star polymer with a metallo-phthalocyanine core as a tunable charge storage material for nonvolatile transistor memory devices. Journal of Materials Chemistry C, 2018, 6, 2724-2732.	2.7	38
85	Direct Observation and Manipulation of Supramolecular Polymerization by Highâ€Speed Atomic Force Microscopy. Angewandte Chemie - International Edition, 2018, 57, 15465-15470.	7.2	38
86	Oligofluorene-based nanoparticles in aqueous medium: hydrogen bond assisted modulation of functional properties and color tunable FRET emission. Journal of Materials Chemistry, 2012, 22, 11224.	6.7	36
87	Sugar sensing using chiral salen-Co(II) complexes. Tetrahedron, 1999, 55, 9455-9468.	1.0	35
88	Allosteric Binding of K+to Crown Ether Macrocycles Appended to a Lanthanum Double Decker System. Bulletin of the Chemical Society of Japan, 2001, 74, 883-888.	2.0	35
89	Porphyrin self-assembly using a boronic acid template. Chemical Communications, 1996, , 619.	2.2	34
90	Efficient glucoside extraction mediated by a boronic acid with an intramolecular quaternary ammonium ion. Tetrahedron, 1996, 52, 12931-12940.	1.0	34

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91	Sugar-induced conformational changes in boronic acid-appended poly(L- and D-lysine)s and sugar-controlled orientation of a cyanine dye on the polymers. Journal of the Chemical Society Perkin Transactions II, 1995, , 1889.	0.9	33
92	Design and synthesis of a C4-symmetrical hardâ€“soft ditopic metal receptor by calixareneâ€“porphyrin coupling. Journal of the Chemical Society Perkin Transactions 1, 1995, , 1883-1888.	0.9	33
93	Mechanisms for (porphyrinato)iron(III)-catalyzed oxygenation of styrenes by O2 in presence of BHâ^'4. Journal of Molecular Catalysis A, 1996, 113, 51-59.	4.8	33
94	Olefin Metathesis of the Aligned Assemblies of Conjugated Polymers Constructed through Supramolecular Bundling. Journal of the American Chemical Society, 2006, 128, 8744-8745.	6.6	33
95	(.sigma.-Alkyl)iron complexes as intermediates in (porphinato)iron-mediated reduction of alkenes and alkynes with sodium borohydride. Organometallics, 1993, 12, 2059-2064.	1.1	32
96	Sugarâ€“boronic acid interactions in the formation of novel chiral porphyrin dimers with various porphyrinâ€“porphyrin angles. Chemical Communications, 1996, , 1867-1868.	2.2	32
97	Molecular Design of Highly Selective and Sensitive â€œSugar Tweezersâ€•from Boronic Acid-Appended¼-Oxo-bis[porphinatoiron(III)]s. Bulletin of the Chemical Society of Japan, 1998, 71, 1117-1123.	2.0	32
98	Polyaniline superstructures created by a templating effect of organogels. Chemical Communications, 2004, , 2350.	2.2	32
99	Sugar-induced color and orientation changes in a cyanine dye bound to boronic -acid-appended poly(L-lysine). Tetrahedron Letters, 1995, 36, 559-562.	0.7	31
100	Ring rotation controversy in cerium(IV) bis(tetraarylporphyrinate) double deckers: HPLC evidence for the question to rotate or not to rotate. Tetrahedron Letters, 1998, 39, 7897-7900.	0.7	31
101	Design of a Visualized Sugar Sensing System Utilizing a Boronic Acid-azopyridine Interaction. Supramolecular Chemistry, 1998, 9, 203-210.	1.5	31
102	Supramolecular Assemblies of Ferrocene-Hinged Naphthalenediimides: Multiple Conformational Changes in Film States. Journal of the American Chemical Society, 2016, 138, 11245-11253.	6.6	30
103	A Novel Sugar Sensing System Designed with a Cooperative Action of a Boronic-Acid-Appended Zinc Porphyrin and a 3-Pyridylboronic Acid Axial Ligand. Bulletin of the Chemical Society of Japan, 1997, 70, 699-705.	2.0	29
104	New Morphology-controlled Poly(aniline) Synthesis Using Anionic Porphyrin Aggregate as a Template. Chemistry Letters, 2003, 32, 314-315.	0.7	28
105	Mono- and oligosaccharide sensing by phenylboronic acid-appended 5,15-bis(diarylethynyl)porphyrin complexes. Tetrahedron, 2004, 60, 11211-11218.	1.0	28
106	Metal ion induced allosteric transition in the catalytic activity of an artificial phosphodiesteraseElectronic supplementary information (ESI) available: synthesis of 1, characterization of complexes by 1H-NMR and ESI-MS spectroscopies and the analysis of the kinetic data. See http://www.rsc.org/suppdata/cc/b3/b314032f/. Chemical Communications, 2004, , 420.	2.2	28
107	Enhanced Electroluminescence from a Thiophene-Based Insulated Molecular Wire. ACS Macro Letters, 2016, 5, 781-785.	2.3	28
108	A self-recovering mechanochromic chiral Ï€-gelator. Journal of Materials Chemistry C, 2019, 7, 1292-1297.	2.7	28

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109	Conformational Dynamics of Monomerâ€•versus Dimerâ€‘like Features in a Naphthalenediimideâ€Based Conjugated Cyclophane. Angewandte Chemie - International Edition, 2020, 59, 5254-5258.	7.2	28
110	Control over the Aspect Ratio of Supramolecular Nanosheets by Molecular Design. Chemistry - A European Journal, 2020, 26, 7840-7846.	1.7	28
111	Autocatalytic Time-Dependent Evolution of Metastable Two-Component Supramolecular Assemblies to Self-Sorted or Coassembled State. Scientific Reports, 2017, 7, 2425.	1.6	27
112	Chiroselective transcription of the sugar structure to Î”- or Î›-[CoIII(bpy)3]3+ using a boronic acidâ€“sugar template interaction. Chemical Communications, 1997, , 1793-1794.	2.2	26
113	Chirality control of a Cu(I) complex of boronic-acid-appended phenanthrolines by sugars. A preliminary step toward the total chain helicity control by a chain-end sugar-binding. Tetrahedron Letters, 1998, 39, 1189-1192.	0.7	26
114	Metal ion induced allosteric transition in the catalytic activity of an artificial phosphodiesterase. Organic and Biomolecular Chemistry, 2008, 6, 493-499.	1.5	26
115	The effect of a highly twisted Cî€C double bond on the electronic structures of 9,9â€²-bifluorenylidene derivatives in the ground and excited states. Organic Chemistry Frontiers, 2017, 4, 650-657.	2.3	26
116	A helically-twisted ladder based on 9,9â€²-bifluorenylidene: synthesis, characterization, and carrier-transport properties. Materials Chemistry Frontiers, 2018, 2, 780-784.	3.2	26
117	Helical Structures of Conjugate Polymers Created by Oxidative Polymerization Using Synthetic Lipid Assemblies as Templates. Chemistry - A European Journal, 2004, 10, 5067-5075.	1.7	25
118	Stimuliâ€Responsive Folding and Unfolding of a Polymer Bearing Multiple Cerium(IV) Bis(porphyrinate) Joints: Mechanoâ€•imitation of the Action of a Folding Ruler. Angewandte Chemie - International Edition, 2013, 52, 397-400.	7.2	25
119	Re-investigation of optical sensing properties of boronic-acid-appended ReI complexes for saccharides. Journal of the Chemical Society, Perkin Transactions 1, 2000, , 407-413.	1.3	24
120	Synthesis of a Doubly Strapped Light-Harvesting Porphyrin Bearing Energy Donor Molecules Hanging on to the Straps: An Attempt toward Macroscopic Control over Molecular Conformation that Affects the Efficiency of Fluorescence Resonance Energy Transfer. Bulletin of the Chemical Society of Japan, 2011, 84, 40-48.	2.0	24
121	Synthesis of Selfâ€Threading Bithiophenes and their Structureâ€“Property Relationships Regarding Cyclic Sideâ€Chains with Atomic Precision. Chemistry - an Asian Journal, 2012, 7, 75-84.	1.7	24
122	Amplified spontaneous emission in insulated polythiophenes. Journal of Materials Chemistry C, 2018, 6, 6591-6596.	2.7	24
123	Porphinatoiron-Catalyzed Oxygenation of Styrene in Aqueous Solution. Chemistry Letters, 1991, 20, 519-522.	0.7	23
124	(Porphinato)iron-Catalyzed Addition Reactions of Thiols to Alkenes via (.sigma.-Alkyl)iron(II) Complexes. Organometallics, 1994, 13, 1208-1213.	1.1	23
125	Discrimination between glucose-1-phosphate and glucose-6-phosphate with a boronic-acid-appended metalloporphyrin. Tetrahedron Letters, 1995, 36, 2093-2096.	0.7	23
126	A porphyrin tetramer for a positive homotropic allosteric recognition system: efficient binding information transduction through butadiynyl axis rotation. Tetrahedron Letters, 2001, 42, 7435-7438.	0.7	23

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127	Allosteric function facilitates template assisted olefin metathesis. Chemical Communications, 2005, , 5742.	2.2	23
128	Conducting Polymer Networks Crossâ€Linked by â€œIsolatedâ€•Functional Dyes: Design, Synthesis, and Electrochemical Polymerization of Doubly Strapped Lightâ€Harvesting Porphyrin/Oligothiophene Monomers. Chemistry - A European Journal, 2009, 15, 6350-6362.	1.7	23
129	A novel light-gated sugar receptor, which shows high glucose selectivity. Journal of the Chemical Society Perkin Transactions II, 1998, , 847-852.	0.9	22
130	Pyrenylboronic acids as a novel entry for photochemical DNA cleavage: diradical-forming pyrene-1,6-diyldiboronic acid mimics the cleavage mechanism of enediyne antitumor antibiotics. Journal of the Chemical Society Perkin Transactions 1, 1998, , 1263-1268.	0.9	22
131	Efficient Anion Binding to Cerium(IV) Bis(porphyrinate) Double Decker Utilizing Positive Homotropic Allosterism. Chemistry Letters, 2001, 30, 520-521.	0.7	22
132	Porphyrinatoiron-catalysed reduction of styrene with sodium borohydride: proposed Ïƒ-alkyliron(III) complex as an intermediate. Journal of the Chemical Society Chemical Communications, 1991, , 1728-1729.	2.0	20
133	Sugar-controlled association and photoinduced electron transfer in boronic-acid-appended porphyrins. Journal of the Chemical Society Chemical Communications, 1995, , 961.	2.0	20
134	Spectroscopic detection of diols and sugars by a colour change in boronic acid-appended spirobenzopyrans. Journal of the Chemical Society Perkin Transactions II, 1996, , 1.	0.9	20
135	Oriented molecular aggregates of porphyrin-based amphiphiles and their morphology control by a boronic acid sugar interaction. Supramolecular Science, 1998, 5, 1-8.	0.7	20
136	Selective Detection of D-Lactulose by a Porphyrin-based Diboronic Acid. Chemistry Letters, 1998, 27, 781-782.	0.7	20
137	Chirality control of a Cu(I)Â·(phenanthroline)2 complex by a sugarâ€“boronic acid interaction. A preliminary step toward the total chain helicity control by a chain-end sugar-binding. Perkin Transactions II RSC, 2000, , 9-16.	1.1	20
138	Oligosaccharide binding to a boronic-acid-appended phenanthrolineÂ·Cu(I) complex which creates superstructural helicates and catenates. Tetrahedron, 2002, 58, 7251-7258.	1.0	20
139	Facile deposition of [60]fullerene on the electrode by electrochemical oxidative polymerization of thiopheneElectronic supplementary information (ESI) available: SEM images and action spectrum. See http://www.rsc.org/suppdata/cc/b2/b210433d/. Chemical Communications, 2003, , 342-343.	2.2	20
140	Facile deposition of [60]fullerene and carbon nanotubes on ITO electrode by electrochemical oxidative polymerization of ethylenedioxythiopheneElectronic supplementary information (ESI) available: SEM images. See http://www.rsc.org/suppdata/ob/b3/b303828a/. Organic and Biomolecular Chemistry, 2003, 1, 2343.	1.5	20
141	Superstructural Poly(pyrrole) Assemblies Created by a DNA Templating Method. Macromolecules, 2005, 38, 1609-1615.	2.2	20
142	A preliminary step toward molecular spring driven by cooperative guest binding. Tetrahedron Letters, 2009, 50, 2006-2009.	0.7	20
143	Mechanically Interlocked Porphyrin Gears Propagating Two Different Rotational Frequencies. European Journal of Organic Chemistry, 2011, 2011, 1831-1836.	1.2	20
144	Blending conjugated polymers without phase separation for fluorescent colour tuning of polymeric materials through FRET. Chemical Communications, 2014, 50, 11814-11817.	2.2	20

#	Article	IF	Citations
145	Synthesis and self-assembly of phthalocyanine-tethered block copolymers. Journal of Materials Chemistry C, 2015, 3, 2484-2490.	2.7	20
146	Sugar-Sensing by Chiral Orientation of Dimeric Boronic-Acid-Appended Porphyrins Which Show Selectivity for Glucose and Xylose. Chemistry Letters, 1996, 25, 77-78.	0.7	19
147	Exploitation of a novel â€˜onâ€“offâ€™ photoinduced electron-transfer (PET) sensor against conventional â€˜offâ€“onâ€™ PET sensorsâ€. Chemical Communications, 1999, , 2011-2012.	2.2	19
148	Sugar â€˜Chiralityâ€™ Sensing Using a â€˜Prochiralâ€™ Salenâ€“Co(II) Complex. Tetrahedron, 2000, 56, 6193-6198.	2.0	19
149	Rational Design and Creation of Novel Polymeric Superstructures by Oxidative Polymerization Utilizing Anionic Templates. Supramolecular Chemistry, 2005, 17, 181-186.	1.5	19
150	Conjugated Polymers Complexed with Helical Porphyrin Oligomers Create Micron-Sized Ordered Structures. Angewandte Chemie - International Edition, 2006, 45, 5494-5499.	7.2	19
151	Long-Range Order in Supramolecular Ï€ Assemblies in Discrete Multidecker Naphthalenediimides. Journal of the American Chemical Society, 2021, 143, 3238-3244.	6.6	19
152	Hemin-Catalyzed Addition Reactions of Thiophenols to Styrene. Chemistry Letters, 1990, 19, 1381-1384.	0.7	18
153	Facile design of poly(3,4-ethylenedioxythiophene)-tris(2,2â€²-bipyridine)ruthenium (II) composite film suitable for a three-dimensional light-harvesting system. Tetrahedron, 2004, 60, 8037-8041.	1.0	18
154	New Morphology-Controlled Poly(aniline) Synthesis Using Anionic Porphyrin Aggregate as a Template and Proton-Driven Structural Changes in the Porphyrin Aggregate. Bulletin of the Chemical Society of Japan, 2004, 77, 1951-1957.	2.0	17
155	Operational Stability Enhancement of Polymeric Organic Fieldâ€Effect Transistors by Amorphous Perfluoropolymers Chemically Anchored to Gate Dielectric Surfaces. Advanced Electronic Materials, 2020, 6, 2000161.	2.6	17
156	Twoâ€Step Divergent Synthesis of Monodisperse and Ultraâ€Long Bottlebrush Polymers from an Easily Purifiable ROMP Monomer. Angewandte Chemie - International Edition, 2021, 60, 1528-1534.	7.2	17
157	Supramolecular design of a porphyrinâ€“[60]fullerene photocurrent generation system on a DNA scaffold fabricated by a conjugate polymer film. Tetrahedron Letters, 2005, 46, 3169-3173.	0.7	16
158	Fullerene nanowires on graphite: Epitaxial self-organizations of a fullerene bearing double long-aliphatic chains. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 321, 99-105.	2.3	16
159	Polymerâ€Based Organic Fieldâ€Effect Transistors with Active Layers Aligned by Highly Hydrophobic Nanogrooved Surfaces. Advanced Functional Materials, 2019, 29, 1905365.	7.8	16
160	Colorimetric calcium-response of Î²-lactosylated Î¼-oxo-bis-[5,15-meso-diphenylporphyrinatoiron(III)]. Tetrahedron, 2005, 61, 7783-7788.	1.0	15
161	Mechanisms for (Porphinato)manganese(III)-Catalyzed Oxygenation and Reduction of Styrenes in Benzeneâ€“Ethanol Containing Sodium Borohydride. Bulletin of the Chemical Society of Japan, 1994, 67, 1726-1733.	2.0	14
162	Unexpected Effects of Terminal Olefins on a Cooperative Recognition System that Implicate Olefinâ€“Olefin Interactions. Angewandte Chemie - International Edition, 2009, 48, 6667-6670.	7.2	14

#	Article	IF	Citations
163	Motion Capture and Manipulation of a Single Synthetic Molecular Rotor by Optical Microscopy. Angewandte Chemie - International Edition, 2014, 53, 10082-10085.	7.2	14
164	Ferroceneâ€Substituted Naphthalenediimide with Broad Absorption and Electronâ€Transport Properties in the Segregatedâ€Stack Structure. Chemistry - A European Journal, 2016, 22, 7385-7388.	1.7	14
165	Supramolecular Shape Shifter: Polymorphs of Self-Organized Fullerene Assemblies. Journal of Nanoscience and Nanotechnology, 2009, 9, 550-556.	0.9	13
166	Direct Observation and Manipulation of Supramolecular Polymerization by Highâ€Speed Atomic Force Microscopy. Angewandte Chemie, 2018, 130, 15691-15696.	1.6	13
167	Saccharide Induction of Chiral Orientation of the Aggregate Formed from Boronic-Acid-Appended Amphiphiles. Bulletin of the Chemical Society of Japan, 1998, 71, 2197-2204.	2.0	12
168	Toward the alignment of conjugated polymers into anisotropically-ordered structure. New Journal of Chemistry, 2007, 31, 790.	1.4	12
169	Supramolecular Assemblies of Polyaniline through Cooperative Bundling by a Palladiumâ€Complexâ€Appended Synthetic Crossâ€Linker. Chemistry - A European Journal, 2009, 15, 12627-12635.	1.7	12
170	Sugar building-block as a fine-tunable link for electron-donor - electron-acceptor couples. Tetrahedron Letters, 1999, 40, 3745-3748.	0.7	11
171	Allosteric saccharide sensing by a phenylboronic-acids-appended 5,15-Bis(triarylethynyl)porphyrin. Journal of Supramolecular Chemistry, 2002, 2, 133-142.	0.4	11
172	Electropolymerization of Bithienyl-appended Cerium(III) Triple Decker Porphyrin Complex. Chemistry Letters, 2003, 32, 264-265.	0.7	11
173	Synthesis and Fluorescence Resonance Energy Transfer Properties of an Alternating Donorâ€“Acceptor Copolymer Featuring Orthogonally Arrayed Transition Dipoles along the Polymer Backbone. ACS Macro Letters, 2012, 1, 1199-1203.	2.3	11
174	Strapped porphyrin-based polymeric systems. Polymer Journal, 2014, 46, 674-681.	1.3	11
175	Catalyst-Free Reaction of Ethynyl-Ï€-Extended Electron Acceptors with Amines. Bulletin of the Chemical Society of Japan, 2018, 91, 44-51.	2.0	11
176	Landscape of Charge Carrier Transport in Doped Poly(3-hexylthiophene): Noncontact Approach Using Ternary Combined Dielectric, Paramagnetic, and Optical Spectroscopies. Journal of Physical Chemistry Letters, 2018, 9, 3639-3645.	2.1	11
177	Dynamic Rotational Oscillation of Cerium(IV) Bis(porphyrinate) and Its Control by Diamine Guest Binding with Positive Homotropic Allosterism. European Journal of Organic Chemistry, 2007, 2007, 1883-1886.	1.2	10
178	Synthetic Molecular Gear Based on Double-Decker Porphyrin Complexes. Journal of Inorganic and Organometallic Polymers and Materials, 2013, 23, 193-199.	1.9	10
179	Twisting poly(3-substituted thiophene)s: cyclopolymerization of gemini thiophene monomers through catalyst-transfer polycondensation. Polymer Journal, 2017, 49, 133-139.	1.3	10
180	Dynamics of Mesoâ€“Chiral Interconversion in a Butterflyâ€Shape Overcrowded Alkene Rotor Tunable by Solvent Properties. Angewandte Chemie - International Edition, 2021, 60, 16466-16471.	7.2	10

#	Article	IF	Citations
181	Redâ€“Greenâ€“Blue Trichromophoric Nanoparticles with Dual Fluorescence Resonance Energy Transfer: Highly Sensitive Fluorogenic Response Toward Polyanions. Chemistry - A European Journal, 2016, 22, 13014-13018.	1.7	9
182	Network of Tris(porphyrinato)cerium(III) Arranged on the Herringbone Structure of an Au(111) Surface. Langmuir, 2010, 26, 210-214.	1.6	8
183	Spatiotemporal dynamics of supramolecular polymers by in situ quantitative catalyst-free hydroamination. Chemical Science, 2022, 13, 4413-4423.	3.7	8
184	Supramolecular macrocycles self-assembled by phenanthrolineâ€“Cu(I) and sugarâ€“boronic acid interactions. Tetrahedron Letters, 2000, 41, 3137-3140.	0.7	7
185	Alternating Arrays of Different Conjugated Polymers Utilizing a Synthetic Crossâ€Linker. Chemistry - A European Journal, 2011, 17, 1793-1797.	1.7	7
186	Conformational Dynamics of Monomerâ€•versus Dimerâ€like Features in a Naphthalenediimideâ€Based Conjugated Cyclophane. Angewandte Chemie, 2020, 132, 5292-5296.	1.6	7
187	Self-Assembled Organic Cations-Assisted Band-Edge Tailoring in Bismuth-Based Perovskites for Enhanced Visible Light Absorption and Photoconductivity. Journal of Physical Chemistry Letters, 2021, 12, 5758-5764.	2.1	7
188	Sugarâ€Induced Chiral Orientation of Boronicâ€Acidâ€Appended Amphiphile Clusters Formed in the Dipalmitoylphosphatidylcholine (DPPC) Membrane. Israel Journal of Chemistry, 1996, 36, 379-388.	1.0	6
189	Molecular Design of Artificial Saccharide Receptors.. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 1998, 56, 831-840.	0.0	6
190	Porphyrin Polygons: A New Synthetic Strategy for Cyclic Porphyrin Oligomers Utilizing a Porphyrin Double Decker Structure. Chemistry Letters, 2001, 30, 1266-1267.	0.7	6
191	Higher-order Conformations of DNA Are Useful as Templates to Create Various Superstructural Poly(pyrrole) Morphologies. Chemistry Letters, 2004, 33, 436-437.	0.7	6
192	Motion Capture and Manipulation of a Single Synthetic Molecular Rotor by Optical Microscopy. Angewandte Chemie, 2014, 126, 10246-10249.	1.6	6
193	Stabilization of Charge Carriers in Picketâ€Fence Polythiophenes Using Dielectric Side Chains. Chemistry - an Asian Journal, 2016, 11, 2284-2290.	1.7	6
194	Molecular Self-Assembly Under Kinetic Control. , 2019, , 205-229.		6
195	The Emergence of Multiple Coordination Numbers in Goldâ€“Cyanoarene Complexes: A Study of the On-Surface Coordination Mechanism. Journal of Physical Chemistry C, 2021, 125, 9937-9946.	1.5	6
196	Molecular Machines Useful for the Design of Chemosensor. , 2000, , 183-206.		5
197	Impact of a subtle structural difference on the kinetic behavior of metastable supramolecular assemblies. Polymer, 2017, 128, 311-316.	1.8	5
198	Synthesis and Redox Behavior of a Sheathed Cross-Conjugated Polythiophene. Synlett, 2018, 29, 2557-2561.	1.0	5

#	Article	IF	Citations
199	Protein-Assisted Supramolecular Control over Fluorescence Resonance Energy Transfer in Aqueous Medium. Journal of Physical Chemistry C, 2019, 123, 13141-13146.	1.5	5
200	Discrete Ï€ Stack of a Tweezerâ€Shaped Naphthalenediimideâ€“Anthracene Conjugate. Chemistry - A European Journal, 2020, 26, 13288-13294.	1.7	5
201	Catalystâ€Free Ï€â€Extended Conjugate Addition of Amines to Various Electronâ€Deficient Ï€â€Systems. Asian Journal of Organic Chemistry, 2021, 10, 918-925.	1.3	5
202	A Diels-Alder polymer platform for thermally enhanced drug release toward efficient local cancer chemotherapy. Science and Technology of Advanced Materials, 2021, 22, 522-531.	2.8	5
203	Construction of Nonlinear Response Systems Utilizing Molecular Machines.. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2002, 60, 1201-1209.	0.0	5
204	Enantioselective recognition of dicarboxylic acid guests based on an allosteric effect of a chiral double-decker porphyrin which changes the stoichiometry upon the guest binding. Supramolecular Chemistry, 2011, 23, 59-64.	1.5	4
205	Aminoâ€Functionalization of Vinylâ€Substituted Aromatic Diimides by Quantitative and Catalystâ€Free Hydroamination**. Chemistry - A European Journal, 2021, 27, 934-938.	1.7	4
206	Multistep molecular and macromolecular assembly for the creation of complex nanostructures. Chemical Physics Reviews, 2022, 3, 021305.	2.6	4
207	Cross-linked conjugated polymer assemblies at the airâ€“water interface through supramoleculer bundling. Dalton Transactions, 2013, 42, 15911.	1.6	2
208	Synthesis of Polyaniline with Low Polydispersity by Using a Supramolecular Ionic Assembly as the Reaction Medium. Chemistry - A European Journal, 2013, 19, 5824-5829.	1.7	2
209	Conductive Poly(2,5-substituted aniline)s Highly Soluble Both in Water and Organic Solvents. Journal of Nanoscience and Nanotechnology, 2014, 14, 4449-4454.	0.9	2
210	Synthesis of Unsheathed Insulated Molecular Wires. Chemistry Letters, 2016, 45, 1216-1218.	0.7	2
211	Dynamics of Mesoâ€“Chiral Interconversion in a Butterflyâ€Shape Overcrowded Alkene Rotor Tunable by Solvent Properties. Angewandte Chemie, 2021, 133, 16602-16607.	1.6	2
212	Multiple emissions from indenofluorenedione in solution and polymer films. RSC Advances, 2016, 6, 80867-80871.	1.7	1
213	Rod-like transition first or chain aggregation first? ordered aggregation of rod-like poly(p-phenyleneethynylene) chains in solution. Chemical Communications, 2019, 55, 13342-13345.	2.2	1
214	Twoâ€Step Divergent Synthesis of Monodisperse and Ultraâ€Long Bottlebrush Polymers from an Easily Purifiable ROMP Monomer. Angewandte Chemie, 2021, 133, 1552-1558.	1.6	1
215	Oxidation-degree-dependent moisture-induced actuation of a graphene oxide film. RSC Advances, 2022, 12, 3372-3379.	1.7	1
216	Cooperative self-assembling process of core-substituted naphthalenediimide induced by aminoâ€“yne click reaction. Chemical Communications, 2022, 58, 7196-7199.	2.2	1

#	Article	IF	Citations
217	Construction of Nonlinear Response Systems Utilizing Molecular Machines. ChemInform, 2003, 34, no.	0.1	0
218	Molecular Design of Synthetic Receptors with Dynamic, Imprinting, and Allosteric Functions. ChemInform, 2005, 36, no.	0.1	0
219	Cover Picture: A Supramolecular Bundling Approach toward the Alignment of Conjugated Polymers (Angew. Chem. Int. Ed. 10/2006). Angewandte Chemie - International Edition, 2006, 45, 1485-1485.	7.2	0
220	1SM-03 Real-Time Single-Molecular Measurement of Artificial Molecular Rotor(1SM Interdisciplinary) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.0	0
221	2P160 Single-Molecular Measurement of a Synthetic Molecular Bearing(11. Molecular motor,Poster). Seibutsu Butsuri, 2013, 53, S185.	0.0	0
222	RÃ¼cktitelbild: Motion Capture and Manipulation of a Single Synthetic Molecular Rotor by Optical Microscopy (Angew. Chem. 38/2014). Angewandte Chemie, 2014, 126, 10418-10418.	1.6	0
223	Supramolecular Assembly that Propagates Like Amyloid Fibrils: Elucidation of the Mechanism and Programming of the Time-Evolution. Seibutsu Butsuri, 2015, 55, 154-156.	0.0	0
224	Bottlebrush polymer-reinforced transparent multiphase plastics with enhanced thermal stability. Chemical Communications, 2020, 56, 14641-14644.	2.2	0
225	InnenrÃ¼cktitelbild: Conformational Dynamics of Monomerâ€•versus Dimerâ€like Features in a Naphthalenediimideâ€Based Conjugated Cyclophane (Angew. Chem. 13/2020). Angewandte Chemie, 2020, 132, 5445-5445.	1.6	0
226	Two-Dimensional Alignment of Conjugated Polymers. Springer Briefs in Molecular Science, 2013, , 69-77.	0.1	0
227	Saccharides-From Sensing Targets Toward Combinatorial Libraries and Chiral Commandants. , 1999, , 157-179.		0
228	â€œÏ€-Figurationâ€•for Controlling Stacking of Ï€-Conjugated Molecules and Polymers. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2018, 76, 200-208.	0.0	0
229	Titelbild: Twoâ€Step Divergent Synthesis of Monodisperse and Ultraâ€Long Bottlebrush Polymers from an Easily Purifiable ROMP Monomer (Angew. Chem. 3/2021). Angewandte Chemie, 2021, 133, 1049-1049.	1.6	0