Hiroyasu Yamaguchi

List of Publications by Year
in descending order

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168	11,721	38742 50	28297 105
papers	citations	h-index	g-index

187	187	187	9449
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Behavior of supramolecular cross-links formed by host-guest interactions in hydrogels responding to water contents. , 2022, 1, 100001.		10
2	Supramolecular Polysulfide Polymers with Metalâ€Ligand Interactions. ChemistrySelect, 2022, 7, .	1.5	4
3	Fabrication and mechanical properties of knitted dissimilar polymeric materials with movable cross-links. Molecular Systems Design and Engineering, 2022, 7, 733-745.	3.4	8
4	Design of self-healing and self-restoring materials utilizing reversible and movable crosslinks. NPG Asia Materials, 2022, 14, .	7.9	33
5	Control of Photoinduced Electron Transfer Using Complex Formation of Water-Soluble Porphyrin and Polyvinylpyrrolidone. Polymers, 2022, 14, 1191.	4.5	3
6	Cellulose Nanofiber Composite Polymeric Materials with Reversible and Movable Cross-links and Evaluation of their Mechanical Properties. ACS Applied Polymer Materials, 2022, 4, 403-412.	4.4	13
7	Preparation of dual-cross network polymers by the knitting method and evaluation of their mechanical properties. NPG Asia Materials, 2022, 14, .	7.9	10
8	Synergetic improvement in the mechanical properties of polyurethanes with movable crosslinking and hydrogen bonds. Soft Matter, 2022, 18, 5027-5036.	2.7	11
9	Supramolecular nylon-based actuators with a high work efficiency based on hostâ€“guest complexation and the mechanoisomerization of azobenzene. Polymer Journal, 2022, 54, 1213-1223.	2.7	5
10	Preparation and activity of ruthenium catalyst based on Î²-cyclodextrin for ring-opening metathesis polymerization. Tetrahedron Letters, 2021, 63, 152712.	1.4	3
11	The macroscopic shape of assemblies formed from microparticles based on hostâ€“guest interaction dependent on the guest content. Scientific Reports, 2021, 11, 6320.	3.3	2
12	Material Adhesion through Direct Covalent Bond Formation Assisted by Noncovalent Interactions. ACS Applied Polymer Materials, 2021, 3, 2189-2196.	4.4	7
13	Supramolecular Polymers and Materials Formed by Host-Guest Interactions. Bulletin of the Chemical Society of Japan, 2021, 94, 2381-2389.	3.2	28
14	Mechanical Properties with Respect to Water Content of Hostâ€“Guest Hydrogels. Macromolecules, 2021, 54, 8067-8076.	4.8	27
15	X-ray crystal structures of Î±-cyclodextrinâ€“5-hydroxypentanoic acid, Î²-cyclodextrinâ€“5-hydroxypentanoic acid, Î²-cyclodextrinâ€“Îµ-caprolactone, and Î²-cyclodextrinâ€“Îµ-caprolactam inclusion complexes. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2020, 96, 93-99.	1.6	2
16	A palladium-catalyst stabilized in the chiral environment of a monoclonal antibody in water. Chemical Communications, 2020, 56, 1605-1607.	4.1	12
17	Supramolecular complex formation of polysulfide polymers and cyclodextrins. Chemical Communications, 2020, 56, 13619-13622.	4.1	9
18	Design and mechanical properties of supramolecular polymeric materials based on hostâ€“guest interactions: the relation between relaxation time and fracture energy. Polymer Chemistry, 2020, 11, 6811-6820.	3.9	19

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19	Extremely Rapid Selfâ€Healable and Recyclable Supramolecular Materials through Planetary Ball Milling and Hostâ€“Guest Interactions. Advanced Materials, 2020, 32, e2002008.	21.0	54
20	Supramolecular Biocomposite Hydrogels Formed by Cellulose and Hostâ€“Guest Polymers Assisted by Calcium Ion Complexes. Biomacromolecules, 2020, 21, 3936-3944.	5.4	14
21	Control of microenvironment around enzymes by hydrogels. Chemical Communications, 2020, 56, 6723-6726.	4.1	8
22	Biofunctional hydrogels based on hostâ€“guest interactions. Polymer Journal, 2020, 52, 839-859.	2.7	45
23	Reinforced polystyrene through host-guest interactions using cyclodextrin as an additive. European Polymer Journal, 2020, 134, 109807.	5.4	7
24	Photoresponsive polymeric actuator cross-linked by an 8-armed polyhedral oligomeric silsesquioxane. European Polymer Journal, 2020, 134, 109806.	5.4	10
25	Redox-responsive supramolecular polymeric networks having double-threaded inclusion complexes. Chemical Science, 2020, 11, 4322-4331.	7.4	30
26	Supramolecular self-healing materials from non-covalent cross-linking hostâ€“guest interactions. Chemical Communications, 2020, 56, 4381-4395.	4.1	107
27	Self-Healing Thermoplastic Polyurethane Linked via Host-Guest Interactions. Polymers, 2020, 12, 1393.	4.5	35
28	Bulk Copolymerization of Hostâ€“Guest Monomers with Liquid-Type Acrylamide Monomers for Supramolecular Materials Applications. ACS Applied Polymer Materials, 2020, 2, 1553-1560.	4.4	12
29	Citric Acid-Modified Cellulose-Based Tough and Self-Healable Composite Formed by Two Kinds of Noncovalent Bonding. ACS Applied Polymer Materials, 2020, 2, 2274-2283.	4.4	27
30	Preparation of hydrophilic polymeric materials with movable cross-linkers and their mechanical property. Polymer, 2020, 196, 122465.	3.8	20
31	Ligand Exchange Strategy for Delivery of Ruthenium Complex Unit to Biomolecules Based on Rutheniumâ€“Olefin Specific Interactions. Chemistry Letters, 2020, 49, 1490-1493.	1.3	4
32	Self-healing and shape-memory properties of polymeric materials cross-linked by hydrogen bonding and metalâ€“ligand interactions. Polymer Chemistry, 2019, 10, 4519-4523.	3.9	28
33	Mechanical and self-recovery properties of supramolecular ionic liquid elastomers based on hostâ€“guest interactions and correlation with ionic liquid content. RSC Advances, 2019, 9, 22295-22301.	3.6	8
34	Supramolecular Elastomers with Movable Cross-Linkers Showing High Fracture Energy Based on Stress Dispersion. Macromolecules, 2019, 52, 6953-6962.	4.8	34
35	Development of Atroposelective Antibodies by Immunization with a Racemic Mixture of Binaphthyl Derivatives. Bulletin of the Chemical Society of Japan, 2019, 92, 1462-1466.	3.2	2
36	Atroposelective antibodies as a designed protein scaffold for artificial metalloenzymes. Scientific Reports, 2019, 9, 13551.	3.3	3

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37	Preparation of cyclodextrin-based porous polymeric membrane by bulk polymerization of ethyl acrylate in the presence of cyclodextrin. Polymer, 2019, 177, 208-213.	3.8	22
38	Self-Healing Alkyl Acrylate-Based Supramolecular Elastomers Cross-Linked via Hostâ€“Guest Interactions. Macromolecules, 2019, 52, 2659-2668.	4.8	83
39	Mechanical properties of supramolecular polymeric materials cross-linked by donorâ€“acceptor interactions. Chemical Communications, 2019, 55, 3809-3812.	4.1	6
40	Cyclodextrinâ€Based Rotaxanes: from Rotaxanes to Polyrotaxanes and Further to Functional Materials. European Journal of Organic Chemistry, 2019, 2019, 3344-3357.	2.4	56
41	Preparation of Supramolecular Ionic Liquid Gels Based on Hostâ€“Guest Interactions and Their Swelling and Ionic Conductive Properties. Macromolecules, 2019, 52, 2932-2938.	4.8	23
42	Visible chiral discrimination via macroscopic selective assembly. Communications Chemistry, 2018, 1, .	4.5	23
43	Solvent-Free Photoresponsive Artificial Muscles Rapidly Driven by Molecular Machines. Journal of the American Chemical Society, 2018, 140, 17308-17315.	13.7	156
44	Adhesion of Dissimilar Materials through Host-Guest Interactions and Its Re-adhesion Properties. Chemistry Letters, 2018, 47, 1255-1257.	1.3	10
45	Physical and Adhesion Properties of Supramolecular Hydrogels Cross-linked by Movable Cross-linking Molecule and Host-guest Interactions. Chemistry Letters, 2018, 47, 1387-1390.	1.3	13
46	Control of the threading ratio of cyclic molecules in polyrotaxanes consisting of poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	4.1	13
47	Formation of Inclusion Complexes of Poly(hexafluoropropyl ether)s with Cyclodextrins. Chemistry Letters, 2018, 47, 322-325.	1.3	3
48	Mechanical Properties of Supramolecular Polymeric Materials Formed by Cyclodextrins as Host Molecules and Cationic Alkyl Guest Molecules on the Polymer Side Chain. Macromolecules, 2018, 51, 6318-6326.	4.8	34
49	A Photoresponsive Polymeric Actuator Topologically Cross-Linked by Movable Units Based on a [2]Rotaxane. Macromolecules, 2018, 51, 4688-4693.	4.8	60
50	Toward a translational molecular ratchet: face-selective translation coincident with deuteration in a pseudo-rotaxane. Scientific Reports, 2018, 8, 8950.	3.3	15
51	Sensing and Catalytic Systems with Monoclonal Antibodies . Journal of the Society of Materials Engineering for Resources of Japan, 2018, 29, 1-6.	0.2	0
52	A pseudo-rotaxane of Î±-cyclodextrin and a two-station axis molecule consisting of pyridinium and decamethylene moieties, and its deuteration in deuterium oxide. Tetrahedron, 2017, 73, 4988-4993.	1.9	3
53	Multifunctional Stimuli-Responsive Supramolecular Materials with Stretching, Coloring, and Self-Healing Properties Functionalized via Hostâ€“Guest Interactions. Macromolecules, 2017, 50, 4144-4150.	4.8	96
54	Visualization of Chiral Binaphthyl Recognition by Atroposelective Antibodies with Thermoresponsive Polymers. Chemistry Letters, 2017, 46, 1173-1175.	1.3	3

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55	Direct Chiral Separation of Binaphthyl Derivatives Using Atroposelective Antibodies. ChemistrySelect, 2017, 2, 2622-2625.	1.5	5
56	Supramolecular Materials Cross-Linked by Hostâ€“Guest Inclusion Complexes: The Effect of Side Chain Molecules on Mechanical Properties. Macromolecules, 2017, 50, 3254-3261.	4.8	72
57	Movable Cross-Linked Polymeric Materials from Bulk Polymerization of Reactive Polyrotaxane Cross-Linker with Acrylate Monomers. Macromolecules, 2017, 50, 5695-5700.	4.8	54
58	Radical polymerization by a supramolecular catalyst: cyclodextrin with a RAFT reagent. Beilstein Journal of Organic Chemistry, 2016, 12, 2495-2502.	2.2	7
59	Direct Adhesion of Dissimilar Materials Using Sonogashira Cross-coupling Reaction. Chemistry Letters, 2016, 45, 1250-1252.	1.3	10
60	Self-Healing Materials Formed by Cross-Linked Polyrotaxanes with Reversible Bonds. CheM, 2016, 1, 766-775.	11.7	121
61	Manual control of catalytic reactions: Reactions by an apoenzyme gel and a cofactor gel. Scientific Reports, 2015, 5, 16254.	3.3	8
62	Formation of Redox-Responsive Supramolecular Polymeric Materials Based on Host-Guest Interaction at Polymer Side Chain. Kobunshi Ronbunshu, 2015, 72, 573-581.	0.2	0
63	Adhesion Using the Covalent Bond Formation Reaction at the Soft Material Interface. Kobunshi Ronbunshu, 2015, 72, 590-596.	0.2	0
64	Adhesion between Semihard Polymer Materials Containing Cyclodextrin and Adamantane Based on Hostâ€“Guest Interactions. Macromolecules, 2015, 48, 732-738.	4.8	81
65	A metalâ€“ion-responsive adhesive material via switching of molecular recognition properties. Nature Communications, 2014, 5, 4622.	12.8	140
66	pH- and Sugar-Responsive Gel Assemblies Based on Boronateâ€“Catechol Interactions. ACS Macro Letters, 2014, 3, 337-340.	4.8	82
67	Cyclodextrin-Based Molecular Machines. Topics in Current Chemistry, 2014, 354, 71-110.	4.0	27
68	Polyrotaxanes: Synthesis, Structure, and Chemical Properties. , 2014, , 1-7.		0
69	Ring-Opening Metathesis Polymerization by a Ru Phosphine Derivative of Cyclodextrin in Water. ACS Macro Letters, 2013, 2, 384-387.	4.8	24
70	Preorganized Hydrogel: Selfâ€Healing Properties of Supramolecular Hydrogels Formed by Polymerization of Hostâ€“Guestâ€Monomers that Contain Cyclodextrins and Hydrophobic Guest Groups. Advanced Materials, 2013, 25, 2849-2853.	21.0	540
71	Macroscopic Self-Assembly Based on Molecular Recognition: Effect of Linkage between Aromatics and the Polyacrylamide Gel Scaffold, Amide versus Ester. Macromolecules, 2013, 46, 1939-1947.	4.8	40
72	Development and Characterization of a Monoclonal Antibody against Triacetone Triperoxide. Bulletin of the Chemical Society of Japan, 2013, 86, 198-202.	3.2	1

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73	Reversible self-assembly of gels through metal-ligand interactions. Scientific Reports, 2013, 3, .	3.3	53
74	Expansionâ€“contraction of photoresponsive artificial muscle regulated by hostâ€“guest interactions. Nature Communications, 2012, 3, 1270.	12.8	622
75	Temperature-Sensitive Macroscopic Assembly Based on Molecular Recognition. ACS Macro Letters, 2012, 1, 1083-1085.	4.8	56
76	Supramolecular hydrogels formed from poly(viologen) cross-linked with cyclodextrin dimers and their physical properties. Beilstein Journal of Organic Chemistry, 2012, 8, 1594-1600.	2.2	30
77	Switching of macroscopic molecular recognition selectivity using a mixed solvent system. Nature Communications, 2012, 3, 831.	12.8	104
78	Emission properties of cyclodextrin dimers linked with perylene diimideâ€”effect of cyclodextrin tumbling. Polymer Journal, 2012, 44, 278-285.	2.7	24
79	Photoswitchable gel assembly based on molecular recognition. Nature Communications, 2012, 3, 603.	12.8	412
80	A chemically-controlled supramolecular protein polymer formed by a myoglobin-based self-assembly system. Chemical Science, 2011, 2, 1033.	7.4	52
81	Macroscopic Observations of Molecular Recognition: Discrimination of the Substituted Position on the Naphthyl Group by Polyacrylamide Gel Modified with Î²-Cyclodextrin. Langmuir, 2011, 27, 13790-13795.	3.5	41
82	Redox-responsive self-healing materials formed from hostâ€“guest polymers. Nature Communications, 2011, 2, 511.	12.8	1,207
83	Self-Assembly of Gels through Molecular Recognition of Cyclodextrins: Shape Selectivity for Linear and Cyclic Guest Molecules. Macromolecules, 2011, 44, 2395-2399.	4.8	76
84	Photoresponsive Formation of Pseudo[2]rotaxane with Cyclodextrin Derivatives. Organic Letters, 2011, 13, 4356-4359.	4.6	26
85	pH Responsive [2]Rotaxanes with 6-Modified-Î±-Cyclodextrins. Chemistry Letters, 2011, 40, 758-759.	1.3	8
86	Supramolecular Spherical Î²-Cyclodextrin32-dendrimer: Inclusion Properties and Supramolecular Structure. Chemistry Letters, 2011, 40, 742-743.	1.3	2
87	Photocontrollable Supramolecular Materials Formed by Cyclodextrins and Azobenzene Polymers. Kobunshi Ronbunshu, 2011, 68, 669-678.	0.2	3
88	Macroscopic self-assembly through molecular recognition. Nature Chemistry, 2011, 3, 34-37.	13.6	710
89	Selective Photoinduced Energy Transfer from a Thiophene Rotaxane to Acceptor. Organic Letters, 2011, 13, 672-675.	4.6	24
90	Photochemically Controlled Supramolecular Curdlan/Singleâ€Walled Carbon Nanotube Composite Gel: Preparation of Molecular Distaff by Cyclodextrin Modified Curdlan and Phase Transition Control. European Journal of Organic Chemistry, 2011, 2011, 2801-2806.	2.4	25

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91	Artificial Molecular Clamp: A Novel Device for Synthetic Polymerases. Angewandte Chemie - International Edition, 2011, 50, 7524-7528.	13.8	75
92	Photocontrolled Size Changes of Doubly-threaded Dimer Based on an Î±-Cyclodextrin Derivative with Two Recognition Sites. Chemistry Letters, 2010, 39, 242-243.	1.3	11
93	A Molecular Reel: Shuttling of a Rotor by Tumbling of a Macrocycle. Journal of Organic Chemistry, 2010, 75, 1040-1046.	3.2	55
94	Photoswitchable Supramolecular Hydrogels Formed by Cyclodextrins and Azobenzene Polymers. Angewandte Chemie, 2010, 122, 7623-7626.	2.0	90
95	Photoswitchable Supramolecular Hydrogels Formed by Cyclodextrins and Azobenzene Polymers. Angewandte Chemie - International Edition, 2010, 49, 7461-7464.	13.8	407
96	Switching from altro-Î±-Cyclodextrin Dimer to pseudo[1]Rotaxane Dimer through Tumbling. Organic Letters, 2010, 12, 1284-1286.	4.6	52
97	Selfâ€Assembly of Oneâ€•and Twoâ€Dimensional Hemoprotein Systems by Polymerization through Hemeâ€“Heme Pocket Interactions. Angewandte Chemie - International Edition, 2009, 48, 1271-1274.	13.8	66
98	Cyclodextrin-based supramolecular polymers. Chemical Society Reviews, 2009, 38, 875.	38.1	768
99	Face selective translation of a cyclodextrin ring along an axle. Chemical Communications, 2009, , 5515.	4.1	27
100	Social Self-Sorting: Alternating Supramolecular Oligomer Consisting of Isomers. Journal of the American Chemical Society, 2009, 131, 12339-12343.	13.7	86
101	Nanospheres with Polymerization Ability Coated by Polyrotaxane. Journal of Organic Chemistry, 2009, 74, 1858-1863.	3.2	18
102	Supramolecular assemblies of oligothiophene derivatives bearing Î²-cyclodextrin. Synthetic Metals, 2009, 159, 977-981.	3.9	6
103	Polymeric Rotaxanes. Chemical Reviews, 2009, 109, 5974-6023.	47.7	837
104	Switching of polymerization activity of cinnamoyl-Î±-cyclodextrin. Organic and Biomolecular Chemistry, 2009, 7, 1646.	2.8	19
105	Photoinduced Hydrogen-Evolution System with an Antibodyâ€“Porphyrin Complex as a Photosensitizer. Bulletin of the Chemical Society of Japan, 2009, 82, 1341-1346.	3.2	20
106	Stereoselective Complex Formation between Polybutadiene and Cyclodextrins in Bulk. Macromolecular Rapid Communications, 2008, 29, 910-913.	3.9	11
107	Singleâ€Molecule Imaging of Rotaxanes Immobilized on Glass Substrates: Observation of Rotary Movement. Angewandte Chemie - International Edition, 2008, 47, 6077-6079.	13.8	30
108	Branched supramolecular polymers formed by bifunctional cyclodextrin derivatives. Tetrahedron, 2008, 64, 8355-8361.	1.9	40

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109	Construction of Chemicalâ€Responsive Supramolecular Hydrogels from Guestâ€Modified Cyclodextrins. Chemistry - an Asian Journal, 2008, 3, 687-695.	3.3	54
110	Switching between Supramolecular Dimer and Nonthreaded Supramolecular Self-Assembly of Stilbene Amide-Î±-Cyclodextrin by Photoirradiation. Journal of the American Chemical Society, 2008, 130, 5024-5025.	13.7	80
111	Relative Rotational Motion between Î±-Cyclodextrin Derivatives and a Stiff Axle Molecule. Journal of Organic Chemistry, 2008, 73, 2496-2502.	3.2	31
112	Formation of supramolecular isomers; poly[2]rotaxane and supramolecular assembly. Chemical Communications, 2008, , 456-458.	4.1	38
113	Molecular Puzzle Ring: pseudo[1]Rotaxane from a Flexible Cyclodextrin Derivative. Journal of the American Chemical Society, 2008, 130, 17062-17069.	13.7	45
114	Ring-Opening Polymerization of Cyclic Esters by Cyclodextrins. Accounts of Chemical Research, 2008, 41, 1143-1152.	15.6	58
115	Functionalized Antibodies as Biosensing Materials and Catalysts. Chemistry Letters, 2008, 37, 1184-1189.	1.3	10
116	Polymerization of Lactones and Lactides Initiated by Cyclodextrins. Kobunshi Ronbunshu, 2007, 64, 607-616.	0.2	9
117	Supramolecular Polymers Formed by Bifunctional Cyclodextrin Derivatives. Chemistry Letters, 2007, 36, 828-829.	1.3	12
118	Polymerization of Lactones Initiated by Cyclodextrins:Â Effects of Cyclodextrins on the Initiation and Propagation Reactions. Macromolecules, 2007, 40, 3154-3158.	4.8	52
119	Contraction of Supramolecular Double-Threaded Dimer Formed by Î±-Cyclodextrin with a Long Alkyl Chain. Organic Letters, 2007, 9, 1053-1055.	4.6	41
120	Preparation and Properties of Rotaxanes Formed by Dimethyl-Î²-cyclodextrin and Oligo(thiophene)s with Î²-Cyclodextrin Stoppers. Journal of Organic Chemistry, 2007, 72, 459-465.	3.2	55
121	An Artificial Molecular Chaperone:â€‰ Poly-pseudo-rotaxane with an Extensible Axle. Journal of the American Chemical Society, 2007, 129, 14452-14457.	13.7	57
122	Supramolecular Hemoprotein Linear Assembly by Successive Interprotein Hemeâ‹¯Heme Pocket Interactions. Journal of the American Chemical Society, 2007, 129, 10326-10327.	13.7	115
123	Thermal and Photochemical Switching of Conformation of Poly(ethylene glycol)-Substituted Cyclodextrin with an Azobenzene Group at the Chain End. Journal of the American Chemical Society, 2007, 129, 6396-6397.	13.7	146
124	Self-Threading and Dethreading Dynamics of Poly(ethylene glycol)-Substituted Cyclodextrins with Different Chain Lengths. Macromolecules, 2007, 40, 3256-3262.	4.8	26
125	Chemically-Responsive Solâ‹¯Gel Transition of Supramolecular Single-Walled Carbon Nanotubes (SWNTs) Hydrogel Made by Hybrids of SWNTs and Cyclodextrins. Journal of the American Chemical Society, 2007, 129, 4878-4879.	13.7	246
126	External Stimulus-Responsive Supramolecular Structures Formed by a Stilbene Cyclodextrin Dimer. Journal of the American Chemical Society, 2007, 129, 12630-12631.	13.7	148

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127	Face-Selective [2]- and [3]Rotaxanes: Kinetic Control of the Threading Direction of Cyclodextrins. Chemistry - A European Journal, 2007, 13, 7091-7098.	3.3	54
128	A Chemical-Responsive Supramolecular Hydrogel from Modified Cyclodextrins. Angewandte Chemie - International Edition, 2007, 46, 5144-5147.	13.8	170
129	Competitive photoinduced electron transfer by the complex formation of porphyrin with cyclodextrin bearing viologen. Chemical Communications, 2006, , 4212.	4.1	19
130	Cyclodextrin-grafted poly(phenylene ethynylene) with chemically-responsive properties. Chemical Communications, 2006, , 3702.	4.1	50
131	Asymmetric hydrogenation with antibody-achiral rhodium complex. Organic and Biomolecular Chemistry, 2006, 4, 3571.	2.8	74
132	Selection between Pinching-Type and Supramolecular Polymer-Type Complexes by Î±-Cyclodextrinâ^Î²-Cyclodextrin Hetero-Dimer and Hetero-Cinnamamide Guest Dimers. Journal of Organic Chemistry, 2006, 71, 4878-4883.	3.2	28
133	Self-Threading of a Poly(ethylene glycol) Chain in a Cyclodextrin-Ring:Â Control of the Exchange Dynamics by Chain Length. Journal of the American Chemical Society, 2006, 128, 8994-8995.	13.7	46
134	Formation of Chiral Supramolecular Polymer Based on Modified Cyclodextrin by Host-Guest Interactions. Kobunshi Ronbunshu, 2006, 63, 306-314.	0.2	0
135	Synthesis of a Water-soluble Iridium(III) Complex with pH and Metal Cation Sensitive Photoluminescence. Chemistry Letters, 2006, 35, 720-721.	1.3	14
136	Enhancement of Photoinduced Electron Transfer from Porphyrin to Methyl Viologen by Binding of an Antibody for Porphyrin. Chemistry Letters, 2006, 35, 1126-1127.	1.3	9
137	Spectroscopic study on the interaction of cyclodextrins with naphthyl groups attached to poly(acrylamide) backbone. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 179, 13-19.	3.9	18
138	Complex Formation of Cyclodextrins with Various Thiophenes and their Polymerization in Water: Preparation of Poly-pseudo-rotaxanes containing Poly(thiophene)s. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2006, 56, 45-53.	1.6	22
139	Rotaxanes with unidirectional cyclodextrin array. Journal of Physics Condensed Matter, 2006, 18, S1809-S1816.	1.8	24
140	Supramolecular Polymers from a Cyclodextrin Dimer and Ditopic Guest Molecules. Chemistry Letters, 2005, 34, 320-321.	1.3	15
141	Kinetic Control of Threading of Cyclodextrins onto Axle Molecules. Journal of the American Chemical Society, 2005, 127, 12186-12187.	13.7	100
142	Supramolecular Polymers Formed from Î²-Cyclodextrins Dimer Linked by Poly(ethylene glycol) and Guest Dimers. Macromolecules, 2005, 38, 3724-3730.	4.8	122
143	Preparation of Supramolecular Polymers from a Cyclodextrin Dimer and Ditopic Guest Molecules: Control of Structure by Linker Flexibility. Macromolecules, 2005, 38, 5897-5904.	4.8	162
144	Chiral Supramolecular Polymers Formed by Hostâ^'Guest Interactions. Journal of the American Chemical Society, 2005, 127, 2984-2989.	13.7	196

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145	A [2]Rotaxane Capped by a Cyclodextrin and a Guest:Â Formation of Supramolecular [2]Rotaxane Polymer. Journal of the American Chemical Society, 2005, 127, 2034-2035.	13.7	100
146	Peroxidase Activity of Cationic Metalloporphyrin-Antibody Complexes. Chemistry - A European Journal, 2004, 10, 6179-6186.	3.3	40
147	Complex Formation and Gelation between Copolymers Containing Pendant Azobenzene Groups and Cyclodextrin Polymers. Chemistry Letters, 2004, 33, 890-891.	1.3	124
148	Amplification Effects on Detection Signals for Target Molecules by Antibody Supramolecules. Kobunshi Ronbunshu, 2004, 61, 533-540.	0.2	0
149	Direct Observation of Supramolecular Structures of Biorelated Materials by Atomic Force Microscopy. Springer Series in Materials Science, 2004, , 258-272.	0.6	4
150	Antibody Dendrimers. Topics in Current Chemistry, 2003, 228, 237-258.	4.0	14
151	Dendritic Antibody Supramolecules: Combination of IgM and IgG. Chemistry Letters, 2003, 32, 18-19.	1.3	12
152	Amplification of Detection Signals for Methyl Viologen by Using Supramolecular Formation of Antibody with Viologen Dimer in Surface Plasmon Resonance Sensor. Chemistry Letters, 2002, 31, 382-383.	1.3	11
153	Supramolecular Formation of Antibodies with Viologen Dimers:Â Utilization for Amplification of Methyl Viologen Detection Signals in Surface Plasmon Resonance Sensor. Biomacromolecules, 2002, 3, 1163-1169.	5.4	32
154	Stellate Macroscopic Crystals from Cationic and Anionic Porphyrins. Chemistry Letters, 2001, 30, 778-779.	1.3	5
155	Direct Observation of DNA Catenanes by Atomic Force Microscopy. Chemistry Letters, 2000, 29, 384-385.	1.3	11
156	<title>Direct observation of supramolecular structures of biorelated materials by atomic force microscopy</title>. , 2000, , .		1
157	Photoinduced Electron Transfer from a Porphyrin to an Electron Acceptor in an Antibody-Combining Site. Angewandte Chemie - International Edition, 2000, 39, 3829-3831.	13.8	19
158	Daisy Chain Necklace:Â Tri[2]rotaxane Containing Cyclodextrins. Journal of the American Chemical Society, 2000, 122, 9876-9877.	13.7	160
159	Photoinduced Electron Transfer from a Porphyrin to an Electron Acceptor in an Antibody-Combining Site. , 2000, 39, 3829.		1
160	Control of Photoinduced Electron Transfer from Zincâ€Porphyrin to Methyl Viologen by Supramolecular Formation between Monoclonal Antibody and Zincâ€Porphyrin. Photochemistry and Photobiology, 1999, 70, 298-302.	2.5	33
161	Visualized Polymers. Patterns Formed by Polymeric Systems. I. Direct Observation of Supramolecular Structures of Porphyrin Dimer-Antibody Complexes by Atomic Force Microscopy.. Kobunshi Ronbunshu, 1999, 56, 660-666.	0.2	5
162	<title>Supramolecular formation of porphyrins and antibodies</title>. , 1999, , .		2

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163	Preparation and properties of antibody polymers. Reactive and Functional Polymers, 1998, 37, 245-250.	4.1	7
164	Imaging Antibody Molecules at Room Temperature by Contact Mode Atomic Force Microscope. Chemistry Letters, 1997, 26, 1141-1142.	1.3	7
165	Peroxidation of Pyrogallol by Antibodyâ^'Metalloporphyrin Complexes. Inorganic Chemistry, 1997, 36, 6099-6102.	4.0	44
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