

Seiji Shinkai

List of Publications by Year in descending order

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700
times ranked

20688
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#	ARTICLE	IF	CITATIONS
1	Novel Cavity Design Using Calix[n]arene Skeletons: Toward Molecular Recognition and Metal Binding. <i>Chemical Reviews</i> , 1997, 97, 1713-1734.	23.0	1,294
2	Organic Templates for the Generation of Inorganic Materials. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 980-999.	7.2	856
3	Saccharide Sensing with Molecular Receptors Based on Boronic Acid. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 1910-1922.	4.4	853
4	Thermal and Light Control of the Sol-Gel Phase Transition in Cholesterol-Based Organic Gels. Novel Helical Aggregation Modes As Detected by Circular Dichroism and Electron Microscopic Observation. <i>Journal of the American Chemical Society</i> , 1994, 116, 6664-6676.	6.6	759
5	Chiral discrimination of monosaccharides using a fluorescent molecular sensor. <i>Nature</i> , 1995, 374, 345-347.	13.7	609
6	Semi-wet peptide/protein array using supramolecular hydrogel. <i>Nature Materials</i> , 2004, 3, 58-64.	13.3	546
7	Calixarenes - the third generation of supramolecules. <i>Tetrahedron</i> , 1993, 49, 8933-8968.	1.0	537
8	Hexasulfonated calix[6]arene derivatives: a new class of catalysts, surfactants, and host molecules. <i>Journal of the American Chemical Society</i> , 1986, 108, 2409-2416.	6.6	467
9	Novel Saccharide-Photoinduced Electron Transfer Sensors Based on the Interaction of Boronic Acid and Amine. <i>Journal of the American Chemical Society</i> , 1995, 117, 8982-8987.	6.6	462
10	Photoresponsive crown ethers. 2. Photocontrol of ion extraction and ion transport by a bis(crown) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	6.6	435
11	Visible-Light-Harvesting Organogel Composed of Cholesterol-Based Perylene Derivatives. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 1229-1233.	7.2	430
12	Photoswitchable Supramolecular Hydrogels Formed by Cyclodextrins and Azobenzene Polymers. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7461-7464.	7.2	407
13	Positive Allosteric Systems Designed on Dynamic Supramolecular Scaffolds: Toward Switching and Amplification of Guest Affinity and Selectivity. <i>Accounts of Chemical Research</i> , 2001, 34, 494-503.	7.6	402
14	Creation of Both Right-Handed and Left-Handed Silica Structures by Sol-Gel Transcription of Organogel Fibers Comprised of Chiral Diaminocyclohexane Derivatives. <i>Journal of the American Chemical Society</i> , 2000, 122, 5008-5009.	6.6	401
15	Creation of Novel Helical Ribbon and Double-Layered Nanotube TiO ₂ Structures Using an Organogel Template. <i>Chemistry of Materials</i> , 2002, 14, 1445-1447.	3.2	397
16	Artificial Receptors as Chemosensors for Carbohydrates. <i>Topics in Current Chemistry</i> , 2002, , 159-200.	4.0	386
17	Conformations and structures of tetra-O-alkyl-p-tert-butylcalix[4]arenes. How is the conformation of calix[4]arenes immobilized?. <i>Journal of Organic Chemistry</i> , 1991, 56, 4955-4962.	1.7	378
18	A Colorimetric and Ratiometric Fluorescent Chemosensor with Three Emission Changes: Fluoride Ion Sensing by a Triarylborane Porphyrin Conjugate. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 2036-2040.	7.2	369

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19	Ring Closure of Carbon Nanotubes. <i>Science</i> , 2001, 293, 1299-1301.	6.0	358
20	A Glucose-Selective Molecular Fluorescence Sensor. <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 2207-2209.	4.4	342
21	First Thermally Responsive Supramolecular Polymer Based on Glycosylated Amino Acid. <i>Journal of the American Chemical Society</i> , 2002, 124, 10954-10955.	6.6	337
22	A Sensitive Colorimetric and Fluorescent Probe Based on a Polythiophene Derivative for the Detection of ATP. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6371-6374.	7.2	310
23	Molecular Design of Artificial Molecular and Ion Recognition Systems with Allosteric Guest Responses. <i>Accounts of Chemical Research</i> , 2001, 34, 865-873.	7.6	307
24	A Coordination Gelator That Shows a Reversible Chromatic Change and Sol-Gel Phase-Transition Behavior upon Oxidative/Reductive Stimuli. <i>Journal of the American Chemical Society</i> , 2004, 126, 8592-8593.	6.6	307
25	Spontaneous Colorimetric Sensing of the Positional Isomers of Dihydroxynaphthalene in a 1D Organogel Matrix. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 1592-1595.	7.2	304
26	What Kind of "Soft Materials" Can We Design from Molecular Gels?. <i>Chemistry - an Asian Journal</i> , 2011, 6, 266-282.	1.7	294
27	Sugar-Integrated Gelators of Organic Solvents. <i>Chemistry - A European Journal</i> , 2001, 7, 4328-4334.	1.7	293
28	Helical Ribbon Aggregate Composed of a Crown-Appended Cholesterol Derivative Which Acts as an Amphiphilic Gelator of Organic Solvents and as a Template for Chiral Silica Transcription. <i>Journal of the American Chemical Society</i> , 2001, 123, 8785-8789.	6.6	290
29	On the Origin of High Ionophoricity of 1,3-Alternate Calix[4]arenes: π -donor Participation in Complexation of Cations and Evidence for Metal-Tunneling through the Calix[4]arene Cavity. <i>Journal of the American Chemical Society</i> , 1994, 116, 3102-3110.	6.6	265
30	Preparation of TiO ₂ Hollow-Fibers Using Supramolecular Assemblies. <i>Chemistry of Materials</i> , 2000, 12, 1523-1525.	3.2	263
31	Gelators for organic liquids based on self-assembly: a new facet of supramolecular and combinatorial chemistry. <i>Current Opinion in Colloid and Interface Science</i> , 2002, 7, 148-156.	3.4	255
32	Functionalized magnetic nanoparticles as chemosensors and adsorbents for toxic metal ions in environmental and biological fields. <i>Chemical Society Reviews</i> , 2011, 40, 4464.	18.7	254
33	Photoresponsive crown ethers. 1. Cis-trans isomerism of azobenzene as a tool to enforce conformational changes of crown ethers and polymers. <i>Journal of the American Chemical Society</i> , 1980, 102, 5860-5865.	6.6	253
34	Molecular design of calixarene-based uranophiles which exhibit remarkably high stability and selectivity. <i>Journal of the American Chemical Society</i> , 1987, 109, 6371-6376.	6.6	246
35	Organic gels are useful as a template for the preparation of hollow fiber silica. <i>Chemical Communications</i> , 1998, , 1477-1478.	2.2	240
36	Lipophilic polyelectrolyte gels as super-absorbent polymers for nonpolar organic solvents. <i>Nature Materials</i> , 2007, 6, 429-433.	13.3	239

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37	NMR and crystallographic studies of a p-sulfonatocalix[4]arene-guest complex. <i>Journal of the American Chemical Society</i> , 1990, 112, 9053-9058.	6.6	237
38	Very Convenient and Efficient Purification Method for Fullerene (C60) with 5,11,17,23,29,35,41,47-Octa-tert-butylcalix[8]arene-49,50,51,52,53,54,55,56-octol. <i>Chemistry Letters</i> , 1994, 23, 0.7 699-702.		233
39	Self-Assembly of a Sugar-Based Gelator in Water: Its Remarkable Diversity in Gelation Ability and Aggregate Structure. <i>Langmuir</i> , 2001, 17, 7229-7232.	1.6	232
40	Hydrogen-Bond-Assisted Control of H versus J Aggregation Mode of Porphyrins Stacks in an Organogel System. <i>Journal of Organic Chemistry</i> , 2003, 68, 5037-5044.	1.7	232
41	Synthesis and ion selectivity of all conformational isomers of tetrakis[(ethoxycarbonyl)methoxy]calix[4]arene. <i>Journal of Organic Chemistry</i> , 1992, 57, 7066-7073.	1.7	230
42	Molecular Recognition of Adenine, Cytosine, and Uracil in a Single-Stranded RNA by a Natural Polysaccharide: Schizophyllan. <i>Journal of the American Chemical Society</i> , 2000, 122, 4520-4521.	6.6	230
43	A Stable Single Piece of Unimolecularly π -Stacked Porphyrin Aggregate in a Thixotropic Low Molecular Weight Gel: A One-Dimensional Molecular Template for Polydiacetylene Wiring up to Several Tens of Micrometers in Length. <i>Journal of the American Chemical Society</i> , 2005, 127, 4164-4165.	6.6	228
44	Boronic Acids in Molecular Self-Assembly. <i>Chemistry - an Asian Journal</i> , 2008, 3, 1076-1091.	1.7	226
45	Inclusion of Cut and As-Grown Single-Walled Carbon Nanotubes in the Helical Superstructure of Schizophyllan and Curdlan (β -1,3-Glucans). <i>Journal of the American Chemical Society</i> , 2005, 127, 5875-5884.	6.6	225
46	Cucurbit[7]uril: A Simple Macrocyclic, pH-Triggered Hydrogelator Exhibiting Guest-Induced Stimuli-Responsive Behavior. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 210-213.	7.2	213
47	Syntheses of all possible conformational isomers of O-alkyl-p-t-butylcalix[4]arenes. <i>Tetrahedron</i> , 1991, 47, 4325-4342.	1.0	212
48	Dye-Based Organogels: Stimuli-Responsive Soft Materials Based on One-Dimensional Self-Assembling Aromatic Dyes. , 0, , 119-160.		212
49	Self-Assembly of Supramolecular Chiral Insulated Molecular Wire. <i>Journal of the American Chemical Society</i> , 2005, 127, 4548-4549.	6.6	212
50	Sugar-Integrated Gelators of Organic Solvents Their Remarkable Diversity in Gelation Ability and Aggregate Structure. <i>Chemistry - A European Journal</i> , 1999, 5, 2722-2729.	1.7	209
51	New water-soluble host molecules derived from calix[6]arene. <i>Tetrahedron Letters</i> , 1984, 25, 5315-5318.	0.7	208
52	Post-polymerization of preorganized assemblies for creating shape-controlled functional materials. <i>Chemical Society Reviews</i> , 2007, 36, 415-435.	18.7	202
53	Self-Organization of PEO-graft-Single-Walled Carbon Nanotubes in Solutions and Langmuir-Blodgett Films. <i>Langmuir</i> , 2001, 17, 5125-5128.	1.6	199
54	Novel photoinduced electron-transfer sensor for saccharides based on the interaction of boronic acid and amine. <i>Journal of the Chemical Society Chemical Communications</i> , 1994, , 477.	2.0	193

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55	Sol-Gel Polycondensation of Tetraethoxysilane in a Cholesterol-Based Organogel System Results in Chiral Spiral Silica. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 1862-1865.	7.2	192
56	New syntheses of calixarene-p-sulphonates and p-nitrocalixarenes. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1987, , 2297.	0.9	191
57	Specific complexation with mono- and disaccharides that can be detected by circular dichroism. <i>Journal of Organic Chemistry</i> , 1991, 56, 4089-4091.	1.7	184
58	Cholesterol-based functional tectons as versatile building-blocks for liquid crystals, organic gels and monolayers. <i>Journal of Materials Chemistry</i> , 1998, 8, 485-495.	6.7	183
59	Sol-Gel Polycondensation in a Cyclohexane-Based Organogel System in Helical Silica: Creation of both Right- and Left-Handed Silica Structures by Helical Organogel Fibers. <i>Chemistry - A European Journal</i> , 2000, 6, 4552-4557.	1.7	183
60	Efficient Photocurrent Generation in Novel Self-Assembled Multilayers Comprised of [60]Fullerene~Cationic Homooxalix[3]arene Inclusion Complex and Anionic Porphyrin Polymer. <i>Journal of the American Chemical Society</i> , 2001, 123, 4855-4856.	6.6	182
61	Photoresponsive crown ethers. 8. Azobenzenophane-type switched-on crown ethers which exhibit an all-or-nothing change in ion-binding ability. <i>Journal of the American Chemical Society</i> , 1983, 105, 1851-1856.	6.6	181
62	Temperature and pressure dependences of thermal cis-to-trans isomerization of azobenzenes which evidence an inversion mechanism. <i>Journal of the American Chemical Society</i> , 1981, 103, 5161-5165.	6.6	178
63	Spectral Characterization of Self-Assemblies of Aldopyranoside Amphiphilic Gelators: What is the Essential Structural Difference Between Simple Amphiphiles and Bolaamphiphiles?. <i>Chemistry - A European Journal</i> , 2002, 8, 2684.	1.7	173
64	Inclusion of [60]Fullerene in a Homooxalix[3]arene-Based Dimeric Capsule Cross-Linked by a PdII~Pyridine Interaction. <i>Journal of the American Chemical Society</i> , 1999, 121, 4296-4297.	6.6	170
65	Polysaccharide~Polynucleotide Complexes. 2. Complementary Polynucleotide Mimic Behavior of the Natural Polysaccharide Schizophyllan in the Macromolecular Complex with Single-Stranded RNA and DNA. <i>Biomacromolecules</i> , 2001, 2, 641-650.	2.6	170
66	Self-Sorting Organogels with p~n Heterojunction Points. <i>Chemistry of Materials</i> , 2008, 20, 2863-2865.	3.2	169
67	Molecular Design of ~Super~Hydrogelators:~ Understanding the Gelation Process of Azobenzene-Based Sugar Derivatives in Water. <i>Organic Letters</i> , 2002, 4, 1423-1426.	2.4	168
68	Creation of a Mixed-Valence State from One-Dimensionally Aligned TTF Utilizing the Self-Assembling Nature of a Low Molecular-Weight Gel. <i>Journal of the American Chemical Society</i> , 2005, 127, 14980-14981.	6.6	167
69	Photocontrol of ion extraction and ion transport by photofunctional crown ethers. <i>Topics in Current Chemistry</i> , 1984, , 67-104.	4.0	165
70	Colloidal Nature of Single-Walled Carbon Nanotubes in Electrolyte Solution:~ The Schulze~Hardy Rule. <i>Langmuir</i> , 2001, 17, 7172-7173.	1.6	165
71	Fabrication of silica nanotubes by using self-assembled gels and their applications in environmental and biological fields. <i>Chemical Society Reviews</i> , 2010, 39, 4286.	18.7	163
72	Charge-Transfer Phenomena in Novel, Dual-Component, Sugar-Based Organogels. <i>Journal of the American Chemical Society</i> , 2002, 124, 10754-10758.	6.6	162

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73	An Attempt to Predict the Gelation Ability of Hydrogen-bond-based Gelators Utilizing a Glycoside Library. <i>Tetrahedron</i> , 2000, 56, 9595-9599.	1.0	161
74	Reinvestigation of Calixarene-Based Artificial-Signaling Acetylcholine Receptors Useful in Neutral Aqueous (Water/Methanol) Solution. <i>Journal of the American Chemical Society</i> , 1996, 118, 755-758.	6.6	159
75	Quater-, Quinque-, and Sexithiophene Organogelators: Unique Thermochromism and Heating-Free Sol-Gel Phase Transition. <i>Chemistry - A European Journal</i> , 2005, 11, 4735-4742.	1.7	156
76	A Strong Positive Allosteric Effect in the Molecular Recognition of Dicarboxylic Acids by a Cerium(IV) Bis[tetrakis(4-pyridyl)porphyrinate] Double Decker. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 2096-2099.	7.2	154
77	Organische Template zur Formgebung anorganischer Materialien. <i>Angewandte Chemie</i> , 2003, 115, 1010-1030.	1.6	149
78	Photocontrolled extraction ability of azobenzene-bridged azacrown ether. <i>Tetrahedron Letters</i> , 1979, 20, 4569-4572.	0.7	146
79	[60]Fullerene-Motivated Organogel Formation in a Porphyrin Derivative Bearing Programmed Hydrogen-Bonding Sites. <i>Journal of the American Chemical Society</i> , 2003, 125, 9902-9903.	6.6	142
80	Organogel of an 8-quinolinol platinum(ii) chelate derivative and its efficient phosphorescence emission effected by inhibition of dioxygen quenching. <i>Chemical Communications</i> , 2005, , 4149.	2.2	141
81	[60]Fullerene Can Reinforce the Organogel Structure of Porphyrin-Appended Cholesterol Derivatives: A Novel Odd-Even Effect of the (CH ₂) _n Spacer on the Organogel Stability. <i>Langmuir</i> , 2001, 17, 5825-5833.	1.6	140
82	A Self-Assembled Homooxacalix[3]arene-based Dimeric Capsule Constructed by a PdII~Pyridine Interaction Which Shows a Novel Chiral Twisting Motion in Response to Guest Inclusion. <i>Journal of the American Chemical Society</i> , 2001, 123, 3872-3877.	6.6	138
83	Photoresponsive crown ethers. 4. Influence of alkali metal cations on photoisomerization and thermal isomerization of azobis(benzocrown ethers). <i>Journal of the American Chemical Society</i> , 1982, 104, 1960-1967.	6.6	137
84	Novel Vesicular Aggregates of Crown-Appended Cholesterol Derivatives Which Act as Gelators of Organic Solvents and as Templates for Silica Transcription. <i>Journal of the American Chemical Society</i> , 2000, 122, 8648-8653.	6.6	137
85	NMR determination of association constants for calixarene complexes. Evidence for the formation of a 1:2 complex with calix[8]arene. <i>Journal of the American Chemical Society</i> , 1988, 110, 7214-7215.	6.6	135
86	On the prerequisites for the formation of solution complexes from [60]fullerene and calix[n]arenes: A novel allosteric effect between [60]fullerene and metal cations in calix[n]aryl ester complexes. <i>Tetrahedron</i> , 1998, 54, 2497-2508.	1.0	135
87	Recent Topics on Functionalization and Recognition Ability of Calixarenes: The "Third Host Molecule"™. <i>Bulletin of the Chemical Society of Japan</i> , 1995, 68, 1088-1097.	2.0	134
88	Combinatorial Library of Low Molecular-Weight Organo- and Hydrogelators Based on Glycosylated Amino Acid Derivatives by Solid-Phase Synthesis. <i>Chemistry - A European Journal</i> , 2003, 9, 976-983.	1.7	134
89	Novel Silica Structures Which Are Prepared by Transcription of Various Superstructures Formed in Organogels. <i>Langmuir</i> , 2000, 16, 1643-1649.	1.6	133
90	Saccharidnachweis mit Rezeptoren auf Boronsäurebasis. <i>Angewandte Chemie</i> , 1996, 108, 2038-2050.	1.6	132

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91	Construction of Artificial Photosynthetic Reaction Centers on a Protein Surface: A Vectorial, Multistep, and Proton-Coupled Electron Transfer for Long-Lived Charge Separation. <i>Journal of the American Chemical Society</i> , 2000, 122, 241-253.	6.6	132
92	Rational Design of a Sugar-Appended Porphyrin Gelator That Is Forced To Assemble into a One-Dimensional Aggregate. <i>Organic Letters</i> , 2001, 3, 3631-3634.	2.4	130
93	Double helical silica fibrils by sol-gel transcription of chiral aggregates of gemini surfactants Electronic supplementary information (ESI) available: Fig. S1: TEM image of double stranded silica obtained by sol-gel transcription of l-1/d-1 gel (2 \times 10 ⁻⁴ mol/mol, 33% ee l-1 excess). See http://www.rsc.org/suppdata/cc/b2/b202799m/ . <i>Chemical Communications</i> , 2002, , 1212-1213.	2.2	130
94	A new metal sensory system based on intramolecular fluorescence quenching on the ionophoric calix[4]arene ring. <i>Journal of the Chemical Society Chemical Communications</i> , 1992, , 730.	2.0	124
95	Solvent Extraction of Trivalent Rare Earth Metal Ions with Carboxylate Derivatives of Calixarenes. <i>Analytical Sciences</i> , 1995, 11, 893-902.	0.8	123
96	CATION- π INTERACTIONS IN CALIX[n]ARENE AND RELATED SYSTEMS. <i>Journal of Physical Organic Chemistry</i> , 1997, 10, 273-285.	0.9	121
97	Regulation of a Real-Time Self-Healing Process in Organogel Tissues by Molecular Adhesives. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6338-6342.	7.2	121
98	Specific complexation of disaccharides with diphenyl-3,3'-diboronic acid that can be detected by circular dichroism. <i>Tetrahedron</i> , 1992, 48, 8239-8252.	1.0	119
99	β -1,3-Glucan polysaccharides as novel one-dimensional hosts for DNA/RNA, conjugated polymers and nanoparticles. <i>Chemical Communications</i> , 2005, , 4383.	2.2	116
100	Highly enantioselective synthesis of organic compound using right- and left-handed helical silica. <i>Tetrahedron Letters</i> , 2003, 44, 721-724.	0.7	115
101	Chiral Recognition of α -Amino Acid Derivatives with a Homooxalix[3]arene: Construction of a Pseudo-C ₂ -Symmetrical Compound from a C ₃ -Symmetrical Macrocyclic. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 72-74.	4.4	114
102	Polydiacetylene Nanofibers Created in Low-Molecular-Weight Gels by Post Modification: A Control of Blue and Red Phases by the Odd-Even Effect in Alkyl Chains. <i>Journal of the American Chemical Society</i> , 2007, 129, 4134-4135.	6.6	114
103	Click chemistry™ on polysaccharides: a convenient, general, and monitorable approach to develop (1 \rightarrow 3)- β -D-glucans with various functional appendages. <i>Carbohydrate Research</i> , 2006, 341, 35-40.	1.1	111
104	Syntheses and optical resolution of calix[4]arenes with molecular asymmetry. Systematic classification of all possible chiral isomers derivable from calix[4]arene. <i>Journal of the American Chemical Society</i> , 1993, 115, 3997-4006.	6.6	109
105	Molecular Design of a Molecular Syringe-Mimic for Metal Cations Using a 1,3-Alternate Calix[4]arene Cavity. <i>Journal of Organic Chemistry</i> , 1997, 62, 3568-3574.	1.7	108
106	Synthesis and ion selectivity of conformers derived from hexahomotrioxalix[3]arene. <i>Journal of Organic Chemistry</i> , 1993, 58, 5958-5963.	1.7	106
107	A General Semisynthetic Method for Fluorescent Saccharide-Biosensors Based on a Lectin. <i>Journal of the American Chemical Society</i> , 2000, 122, 12065-12066.	6.6	105
108	Supramolecular design of photocurrent-generating devices using fullerenes aimed at modelling artificial photosynthesis. <i>Tetrahedron</i> , 2005, 61, 4881-4899.	1.0	105

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109	Proton-sensitive fluorescent organogels Electronic supplementary information (ESI) available: excitation spectrum of 1 ^H and fluorescence spectrum of 1 in 1-propanol at 25 °C. See http://www.rsc.org/suppdata/ob/b2/b210968a/ . <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 895-899.	1.5	103
110	Supramolecular wrapping chemistry™ by helix-forming polysaccharides: a powerful strategy for generating diverse polymeric nano-architectures. <i>Chemical Communications</i> , 2011, 47, 1961.	2.2	103
111	An organogel system can control the stereochemical course of anthracene photodimerization. <i>Chemical Communications</i> , 2009, , 2100.	2.2	102
112	Creation of Double Silica Nanotubes by Using Crown-Appended Cholesterol Nanotubes. <i>Chemistry - A European Journal</i> , 2003, 9, 5307-5313.	1.7	100
113	β-1,3-Glucan (Schizophyllan) Can Act as a One-Dimensional Host for Creation of Novel Poly(aniline) Nanofiber Structures. <i>Organic Letters</i> , 2004, 6, 4447-4450.	2.4	100
114	Supramolecular Structure of a Sugar-Appended Organogelator Explored with Synchrotron X-ray Small-Angle Scattering. <i>Langmuir</i> , 2003, 19, 8211-8217.	1.6	99
115	Molecular Design of Calix[4]arene-Based Sodium-Selective Electrodes Which Show Remarkably High 105.0% Sodium/Potassium Selectivity. <i>Chemistry Letters</i> , 1994, 23, 1115-1118.	0.7	97
116	New water-soluble host calixarenes bearing chiral substituents. <i>Journal of Organic Chemistry</i> , 1991, 56, 301-306.	1.7	96
117	Cooperative C60 Binding to a Porphyrin Tetramer Arranged around ap-Terphenyl Axis in 1:2 Host-Guest Stoichiometry. <i>Organic Letters</i> , 2002, 4, 925-928.	2.4	96
118	Syntheses and aggregation properties of new water-soluble calixarenes. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1989, , 2039.	0.9	95
119	Noncovalent Self-Assembly of Carbon Nanotubes for Construction of Cages. <i>Nano Letters</i> , 2002, 2, 531-533.	4.5	95
120	Preparation of Mesoscale and Macroscale Silica Nanotubes Using a Sugar-Appended Azonaphthol Gelator Assembly. <i>Nano Letters</i> , 2002, 2, 17-20.	4.5	94
121	Nanometer-Level Sol-Gel Transcription of Cholesterol Assemblies into Monodisperse Inner Helical Hollows of the Silica. <i>Chemistry of Materials</i> , 2003, 15, 2141-2145.	3.2	94
122	Sol-Gel Polycondensation of Tetraethyl Orthosilicate (TEOS) in Sugar-Based Porphyrin Organogels: Inorganic Conversion of a Sugar-Directed Porphyrinic Fiber Library through Sol-Gel Transcription Processes. <i>Chemistry - A European Journal</i> , 2004, 10, 343-351.	1.7	94
123	Curdlan and Schizophyllan (β-1,3-Glucans) can Entrap Single-wall Carbon Nanotubes in Their Helical Superstructure. <i>Chemistry Letters</i> , 2004, 33, 232-233.	0.7	94
124	Cation-π Interactions in Calix[4]arene-based Host Molecules. What Kind of Cavity-shape Is Favored for the Cation-binding?. <i>Chemistry Letters</i> , 1993, 22, 205-208.	0.7	93
125	Highly Selective and Sensitive Sugar Tweezer-Designed from a Boronic-Acid-Appended β-Oxobis[porphyrinatoiron(III)]. <i>Journal of the American Chemical Society</i> , 1996, 118, 10658-10659.	6.6	93
126	Cation-π Interactions Detected by Mass Spectrometry; Selective Recognition of Alkali Metal Cations by a Basic Molecular Cavity. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 1364-1366.	4.4	92

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127	Design of New Organic Gelators Stabilized by a Host-Guest Interaction. <i>Journal of Organic Chemistry</i> , 1999, 64, 2933-2937.	1.7	92
128	Circularly Polarized Luminescence from Supramolecular Chiral Complexes of Achiral Conjugated Polymers and a Neutral Polysaccharide. <i>Chemistry Letters</i> , 2009, 38, 254-255.	0.7	90
129	Photoswitchable Supramolecular Hydrogels Formed by Cyclodextrins and Azobenzene Polymers. <i>Angewandte Chemie</i> , 2010, 122, 7623-7626.	1.6	90
130	Nonlinear fluorescence response driven by ATP-induced self-assembly of guanidinium-tethered tetraphenylethene. <i>Chemical Communications</i> , 2012, 48, 8090.	2.2	90
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