

J Fraser Stoddart

List of Publications by Year in descending order

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1,235
papers

127,483
citations

97

166
h-index

265

298
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1376
all docs

1376
docs citations

1376
times ranked

50538
citing authors

#	ARTICLE	IF	CITATIONS
1	Artificial Molecular Machines. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 3348-3391.	7.2	2,309
2	Dynamic Covalent Chemistry. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 898-952.	7.2	2,245
3	Self-Assembly in Natural and Unnatural Systems. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 1154-1196.	4.4	1,940
4	Large-Pore Apertures in a Series of Metal-Organic Frameworks. <i>Science</i> , 2012, 336, 1018-1023.	6.0	1,729
5	Mesoporous silica nanoparticles in biomedical applications. <i>Chemical Society Reviews</i> , 2012, 41, 2590.	18.7	1,667
6	Interlocked and Intertwined Structures and Superstructures. <i>Chemical Reviews</i> , 1995, 95, 2725-2828.	23.0	1,579
7	Electronically Configurable Molecular-Based Logic Gates. <i>Science</i> , 1999, 285, 391-394.	6.0	1,474
8	A [2]Catenane-Based Solid State Electronically Reconfigurable Switch. <i>Science</i> , 2000, 289, 1172-1175.	6.0	1,326
9	A chemically and electrochemically switchable molecular shuttle. <i>Nature</i> , 1994, 369, 133-137.	13.7	1,198
10	A 160-kilobit molecular electronic memory patterned at 1011 bits per square centimetre. <i>Nature</i> , 2007, 445, 414-417.	13.7	1,176
11	A Molecular Elevator. <i>Science</i> , 2004, 303, 1845-1849.	6.0	991
12	Dynamic imine chemistry. <i>Chemical Society Reviews</i> , 2012, 41, 2003.	18.7	989
13	Preparation and Properties of Polymer-Wrapped Single-Walled Carbon Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 1721-1725.	7.2	931
14	Cyclodextrin-Based Catenanes and Rotaxanes. <i>Chemical Reviews</i> , 1998, 98, 1959-1976.	23.0	902
15	Molecular meccano. 1. [2]Rotaxanes and a [2]catenane made to order. <i>Journal of the American Chemical Society</i> , 1992, 114, 193-218.	6.6	806
16	Great expectations: can artificial molecular machines deliver on their promise?. <i>Chemical Society Reviews</i> , 2012, 41, 19-30.	18.7	796
17	Switching Devices Based on Interlocked Molecules. <i>Accounts of Chemical Research</i> , 2001, 34, 433-444.	7.6	770
18	Molecular Machines. <i>Accounts of Chemical Research</i> , 1998, 31, 405-414.	7.6	763

#	ARTICLE	IF	CITATIONS
19	Synthesis, Structure, and Metalation of Two New Highly Porous Zirconium Metal-Organic Frameworks. <i>Inorganic Chemistry</i> , 2012, 51, 6443-6445.	1.9	763
20	Molecular Borromean Rings. <i>Science</i> , 2004, 304, 1308-1312.	6.0	757
21	Chemical Topology: Complex Molecular Knots, Links, and Entanglements. <i>Chemical Reviews</i> , 2011, 111, 5434-5464.	23.0	742
22	Mechanically Interlocked Molecules (MIMs)-Molecular Shuttles, Switches, and Machines (Nobel Prize) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	7.2	732
23	Interlocked Macromolecules. <i>Chemical Reviews</i> , 1999, 99, 1643-1664.	23.0	714
24	A molecular shuttle. <i>Journal of the American Chemical Society</i> , 1991, 113, 5131-5133.	6.6	686
25	Linear Artificial Molecular Muscles. <i>Journal of the American Chemical Society</i> , 2005, 127, 9745-9759.	6.6	660
26	Covalent Organic Frameworks with High Charge Carrier Mobility. <i>Chemistry of Materials</i> , 2011, 23, 4094-4097.	3.2	659
27	Noncovalent Functionalization of Single-Walled Carbon Nanotubes. <i>Accounts of Chemical Research</i> , 2009, 42, 1161-1171.	7.6	654
28	Synthetic Supramolecular Chemistry. <i>Accounts of Chemical Research</i> , 1997, 30, 393-401.	7.6	645
29	Surveying macrocyclic chemistry: from flexible crown ethers to rigid cyclophanes. <i>Chemical Society Reviews</i> , 2017, 46, 2459-2478.	18.7	639
30	The chemistry of the mechanical bond. <i>Chemical Society Reviews</i> , 2009, 38, 1802.	18.7	622
31	Multivalency and Cooperativity in Supramolecular Chemistry. <i>Accounts of Chemical Research</i> , 2005, 38, 723-732.	7.6	609
32	Dendrimers-Branching out from curiosities into new technologies. <i>Progress in Polymer Science</i> , 1998, 23, 1-56.	11.8	606
33	Mechanized Silica Nanoparticles: A New Frontier in Theranostic Nanomedicine. <i>Accounts of Chemical Research</i> , 2011, 44, 903-913.	7.6	584
34	Noninvasive Remote-Controlled Release of Drug Molecules in Vitro Using Magnetic Actuation of Mechanized Nanoparticles. <i>Journal of the American Chemical Society</i> , 2010, 132, 10623-10625.	6.6	583
35	Starved Carbon Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 2508-2512.	7.2	579
36	Metal-Organic Frameworks from Edible Natural Products. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8630-8634.	7.2	568

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37	Enzyme-Responsive Snap-Top Covered Silica Nanocontainers. <i>Journal of the American Chemical Society</i> , 2008, 130, 2382-2383.	6.6	567
38	Nanoscale molecular-switch crossbar circuits. <i>Nanotechnology</i> , 2003, 14, 462-468.	1.3	564
39	Autonomous in Vitro Anticancer Drug Release from Mesoporous Silica Nanoparticles by pH-Sensitive Nanovalves. <i>Journal of the American Chemical Society</i> , 2010, 132, 12690-12697.	6.6	550
40	Photo-driven molecular devices. <i>Chemical Society Reviews</i> , 2007, 36, 77-92.	18.7	548
41	Logic Operations at the Molecular Level. An XOR Gate Based on a Molecular Machine. <i>Journal of the American Chemical Society</i> , 1997, 119, 2679-2681.	6.6	525
42	Two-Dimensional Molecular Electronics Circuits. <i>ChemPhysChem</i> , 2002, 3, 519-525.	1.0	520
43	Cyclobis(paraquat-p-phenylene). A Tetracationic Multipurpose Receptor. <i>Angewandte Chemie International Edition in English</i> , 1988, 27, 1547-1550.	4.4	516
44	Template-directed synthesis employing reversible imine bond formation. <i>Chemical Society Reviews</i> , 2007, 36, 1705.	18.7	491
45	Nanoparticles functionalised with reversible molecular and supramolecular switches. <i>Chemical Society Reviews</i> , 2010, 39, 2203.	18.7	484
46	Light-Operated Mechanized Nanoparticles. <i>Journal of the American Chemical Society</i> , 2009, 131, 1686-1688.	6.6	482
47	Mechanised nanoparticles for drug delivery. <i>Nanoscale</i> , 2009, 1, 16.	2.8	481
48	Functionalizing Pillar[5]arenes. <i>Accounts of Chemical Research</i> , 2014, 47, 2631-2642.	7.6	479
49	Selbstorganisation in natürlichen und in nichtnatürlichen Systemen. <i>Angewandte Chemie</i> , 1996, 108, 1242-1286.	1.6	470
50	A Hafnium-Based Metal-Organic Framework as an Efficient and Multifunctional Catalyst for Facile CO ₂ Fixation and Regioselective and Enantioselective Epoxide Activation. <i>Journal of the American Chemical Society</i> , 2014, 136, 15861-15864.	6.6	470
51	Monofunctionalized Pillar[5]arene as a Host for Alkanediamines. <i>Journal of the American Chemical Society</i> , 2011, 133, 5668-5671.	6.6	468
52	Rotaxane-Based Molecular Muscles. <i>Accounts of Chemical Research</i> , 2014, 47, 2186-2199.	7.6	461
53	Autonomous artificial nanomotor powered by sunlight. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 1178-1183.	3.3	460
54	CHEMISTRY: Enhanced: Whence Molecular Electronics?. <i>Science</i> , 2004, 306, 2055-2056.	6.0	453

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55	A reversible molecular valve. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 10029-10034.	3.3	452
56	pH-Responsive Supramolecular Nanovalves Based on Cucurbit[6]uril Pseudorotaxanes. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2222-2226.	7.2	448
57	Room-temperature ferroelectricity in supramolecular networks of charge-transfer complexes. <i>Nature</i> , 2012, 488, 485-489.	13.7	446
58	An Operational Supramolecular Nanovalve. <i>Journal of the American Chemical Society</i> , 2004, 126, 3370-3371.	6.6	438
59	Balancing volumetric and gravimetric uptake in highly porous materials for clean energy. <i>Science</i> , 2020, 368, 297-303.	6.0	429
60	Mechanically bonded macromolecules. <i>Chemical Society Reviews</i> , 2010, 39, 17-29.	18.7	428
61	An artificial molecular pump. <i>Nature Nanotechnology</i> , 2015, 10, 547-553.	15.6	420
62	Supported Monolayers Containing Preformed Binding Sites. Synthesis and Interfacial Binding Properties of a Thiolated β -Cyclodextrin Derivative. <i>Journal of the American Chemical Society</i> , 1995, 117, 336-343.	6.6	418
63	Conductive 2D metal-organic framework for high-performance cathodes in aqueous rechargeable zinc batteries. <i>Nature Communications</i> , 2019, 10, 4948.	5.8	398
64	Design and Optimization of Molecular Nanovalves Based on Redox-Switchable Bistable Rotaxanes. <i>Journal of the American Chemical Society</i> , 2007, 129, 626-634.	6.6	389
65	Dialkylammonium Ion/Crown Ether Complexes: The Forerunners of a New Family of Interlocked Molecules. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 1865-1869.	4.4	384
66	A [2] Catenane Made to Order. <i>Angewandte Chemie International Edition in English</i> , 1989, 28, 1396-1399.	4.4	383
67	π - π INTERACTIONS IN SELF-ASSEMBLY. <i>Journal of Physical Organic Chemistry</i> , 1997, 10, 254-272.	0.9	377
68	Tunable solid-state fluorescent materials for supramolecular encryption. <i>Nature Communications</i> , 2015, 6, 6884.	5.8	363
69	Docking in Metal-Organic Frameworks. <i>Science</i> , 2009, 325, 855-859.	6.0	360
70	Acid-Base Controllable Molecular Shuttles. <i>Journal of the American Chemical Society</i> , 1998, 120, 11932-11942.	6.6	346
71	Strong and Reversible Binding of Carbon Dioxide in a Green Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2011, 133, 15312-15315.	6.6	346
72	Pseudorotaxanes Formed Between Secondary Dialkylammonium Salts and Crown Ethers. <i>Chemistry - A European Journal</i> , 1996, 2, 709-728.	1.7	340

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73	Molecule-Independent Electrical Switching in Pt/Organic Monolayer/Ti Devices. <i>Nano Letters</i> , 2004, 4, 133-136.	4.5	333
74	Ultrahigh Surface Area Zirconium MOFs and Insights into the Applicability of the BET Theory. <i>Journal of the American Chemical Society</i> , 2015, 137, 3585-3591.	6.6	329
75	A Chemically and Electrochemically Switchable [2]Catenane Incorporating a Tetrathiafulvalene Unit. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 333-337.	7.2	328
76	Concepts in the design and engineering of single-molecule electronic devices. <i>Nature Reviews Physics</i> , 2019, 1, 211-230.	11.9	327
77	Azobenzene-Based Light-Responsive Hydrogel System. <i>Langmuir</i> , 2009, 25, 8442-8446.	1.6	325
78	pH Clock-Operated Mechanized Nanoparticles. <i>Journal of the American Chemical Society</i> , 2009, 131, 12912-12914.	6.6	323
79	A photochemically driven molecular-level abacus. <i>Chemistry - A European Journal</i> , 2000, 6, 3558-3574.	1.7	316
80	Dual-Controlled Nanoparticles Exhibiting AND Logic. <i>Journal of the American Chemical Society</i> , 2009, 131, 11344-11346.	6.6	302
81	pH-Operated Nanopistons on the Surfaces of Mesoporous Silica Nanoparticles. <i>Journal of the American Chemical Society</i> , 2010, 132, 13016-13025.	6.6	296
82	Molecular-Based Electronically Switchable Tunnel Junction Devices. <i>Journal of the American Chemical Society</i> , 2001, 123, 12632-12641.	6.6	294
83	Rotaxane or Pseudorotaxane? That Is the Question!â€. <i>Journal of the American Chemical Society</i> , 1998, 120, 2297-2307.	6.6	292
84	Nanovalves. <i>Advanced Functional Materials</i> , 2007, 17, 685-693.	7.8	291
85	Noncovalent Side-Wall Functionalization of Single-Walled Carbon Nanotubes. <i>Macromolecules</i> , 2003, 36, 553-560.	2.2	289
86	Molecular Machines. <i>Accounts of Chemical Research</i> , 2001, 34, 410-411.	7.6	286
87	Rechargeable aluminium organic batteries. <i>Nature Energy</i> , 2019, 4, 51-59.	19.8	283
88	Hierarchically Engineered Mesoporous Metal-Organic Frameworks toward Cell-free Immobilized Enzyme Systems. <i>CheM</i> , 2018, 4, 1022-1034.	5.8	281
89	Operating Molecular Elevators. <i>Journal of the American Chemical Society</i> , 2006, 128, 1489-1499.	6.6	280
90	Radically enhanced molecular recognition. <i>Nature Chemistry</i> , 2010, 2, 42-49.	6.6	280

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91	Molecular Meccano. 2. Self-Assembly of [n]Catenanes. <i>Journal of the American Chemical Society</i> , 1995, 117, 1271-1293.	6.6	278
92	High hopes: can molecular electronics realise its potential?. <i>Chemical Society Reviews</i> , 2012, 41, 4827.	18.7	277
93	Scalable synthesis and post-modification of a mesoporous metal-organic framework called NU-1000. <i>Nature Protocols</i> , 2016, 11, 149-162.	5.5	276
94	A Three-Pole Supramolecular Switch. <i>Journal of the American Chemical Society</i> , 1999, 121, 3951-3957.	6.6	275
95	ExBox: A Polycyclic Aromatic Hydrocarbon Scavenger. <i>Journal of the American Chemical Society</i> , 2013, 135, 183-192.	6.6	275
96	Controlled-Access Hollow Mechanized Silica Nanocontainers. <i>Journal of the American Chemical Society</i> , 2009, 131, 15136-15142.	6.6	272
97	Nanoporous Carbohydrate Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2012, 134, 406-417.	6.6	271
98	CD-MOF: A Versatile Separation Medium. <i>Journal of the American Chemical Society</i> , 2016, 138, 2292-2301.	6.6	269
99	Amino Acid Derivatives of β -Cyclodextrin. <i>Journal of Organic Chemistry</i> , 1996, 61, 903-908.	1.7	260
100	Nanoscale molecular-switch devices fabricated by imprint lithography. <i>Applied Physics Letters</i> , 2003, 82, 1610-1612.	1.5	259
101	Incorporation of an Al ₂ O ₃ -Difunctionalized Pillar[5]arene into a Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2012, 134, 17436-17439.	6.6	254
102	Switching of Pseudorotaxanes and Catenanes Incorporating a Tetrathiafulvalene Unit by Redox and Chemical Inputs. <i>Journal of Organic Chemistry</i> , 2000, 65, 1924-1936.	1.7	251
103	A Photochemically Driven Molecular Machine. <i>Angewandte Chemie International Edition in English</i> , 1993, 32, 1301-1303.	4.4	248
104	A Molecular Solomon Link. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 218-222.	7.2	246
105	Redox-Active Phenanthrenequinone Triangles in Aqueous Rechargeable Zinc Batteries. <i>Journal of the American Chemical Society</i> , 2020, 142, 2541-2548.	6.6	245
106	Metal-Organic Framework Thin Films Composed of Free-Standing Acicular Nanorods Exhibiting Reversible Electrochromism. <i>Chemistry of Materials</i> , 2013, 25, 5012-5017.	3.2	242
107	A Mechanical Actuator Driven Electrochemically by Artificial Molecular Muscles. <i>ACS Nano</i> , 2009, 3, 291-300.	7.3	241
108	Construction of a pH-Driven Supramolecular Nanovalve. <i>Organic Letters</i> , 2006, 8, 3363-3366.	2.4	240

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109	Photoconductance and inverse photoconductance in films of functionalized metal nanoparticles. <i>Nature</i> , 2009, 460, 371-375.	13.7	239
110	Photophysical pore control in an azobenzene-containing metal-organic framework. <i>Chemical Science</i> , 2013, 4, 2858.	3.7	239
111	Robust dynamics. <i>Nature Chemistry</i> , 2010, 2, 439-443.	6.6	233
112	Mastering the non-equilibrium assembly and operation of molecular machines. <i>Chemical Society Reviews</i> , 2017, 46, 5491-5507.	18.7	233
113	Second-Sphere Coordination—a Novel Role for Molecular Receptors. <i>Angewandte Chemie International Edition in English</i> , 1986, 25, 487-507.	4.4	232
114	In silico discovery of metal-organic frameworks for precombustion CO ₂ capture using a genetic algorithm. <i>Science Advances</i> , 2016, 2, e1600909.	4.7	231
115	Meccano on the Nanoscale—A Blueprint for Making Some of the World's Tiniest Machines. <i>Australian Journal of Chemistry</i> , 2004, 57, 301.	0.5	228
116	Interactions between Conjugated Polymers and Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2002, 106, 3124-3130.	1.2	223
117	Self-Assembly in Organic Synthesis. <i>Synlett</i> , 1991, 1991, 445-458.	1.0	220
118	Nanoscale Borromean Rings. <i>Accounts of Chemical Research</i> , 2005, 38, 1-9.	7.6	220
119	Switchable Neutral Bistable Rotaxanes. <i>Journal of the American Chemical Society</i> , 2004, 126, 9884-9885.	6.6	219
120	The Magnitude of [C ⁺ H ⁻ ⋯O] Hydrogen Bonding in Molecular and Supramolecular Assemblies. <i>Journal of the American Chemical Society</i> , 2001, 123, 9264-9267.	6.6	218
121	A Metal-Organic Framework-Based Material for Electrochemical Sensing of Carbon Dioxide. <i>Journal of the American Chemical Society</i> , 2014, 136, 8277-8282.	6.6	218
122	Ground-State Equilibrium Thermodynamics and Switching Kinetics of Bistable [2]Rotaxanes Switched in Solution, Polymer Gels, and Molecular Electronic Devices. <i>Chemistry - A European Journal</i> , 2006, 12, 261-279.	1.7	216
123	Active Molecular Plasmonics: Controlling Plasmon Resonances with Molecular Switches. <i>Nano Letters</i> , 2009, 9, 819-825.	4.5	213
124	Improved Template-Directed Synthesis of Cyclobis(paraquat-p-phenylene). <i>Journal of Organic Chemistry</i> , 1996, 61, 9591-9595.	1.7	212
125	Simple Mechanical Molecular and Supramolecular Machines: Photochemical and Electrochemical Control of Switching Processes. <i>Chemistry - A European Journal</i> , 1997, 3, 152-170.	1.7	212
126	Bioinspired Detection of Light Using a Porphyrin-Sensitized Single-Wall Nanotube Field Effect Transistor. <i>Nano Letters</i> , 2006, 6, 2031-2036.	4.5	211

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127	Molecular-Mechanical Switch-Based Solid-State Electrochromic Devices. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 6486-6491.	7.2	210
128	A nanomechanical device based on linear molecular motors. <i>Applied Physics Letters</i> , 2004, 85, 5391-5393.	1.5	210
129	Design and synthesis of glycodendrimers. <i>Reviews in Molecular Biotechnology</i> , 2002, 90, 231-255.	2.9	209
130	Hydrogen-Bonded Organic Frameworks: A Rising Class of Porous Molecular Materials. <i>Accounts of Materials Research</i> , 2020, 1, 77-87.	5.9	206
131	Self-Assembly, Spectroscopic, and Electrochemical Properties of [n]Rotaxanes ¹ . <i>Journal of the American Chemical Society</i> , 1996, 118, 4931-4951.	6.6	204
132	Synthesis of Biomolecule-Modified Mesoporous Silica Nanoparticles for Targeted Hydrophobic Drug Delivery to Cancer Cells. <i>Small</i> , 2011, 7, 1816-1826.	5.2	204
133	Olympiadane. <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 1286-1290.	4.4	203
134	Structures and Properties of Self-Assembled Monolayers of Bistable [2]Rotaxanes on Au (111) Surfaces from Molecular Dynamics Simulations Validated with Experiment. <i>Journal of the American Chemical Society</i> , 2005, 127, 1563-1575.	6.6	202
135	Mesostructured multifunctional nanoparticles for imaging and drug delivery. <i>Journal of Materials Chemistry</i> , 2009, 19, 6251.	6.7	202
136	An Acid-Base-Controllable [2]Daisy Chain. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7470-7474.	7.2	201
137	Composite CD-MOF nanocrystals-containing microspheres for sustained drug delivery. <i>Nanoscale</i> , 2017, 9, 7454-7463.	2.8	200
138	[C ⁺ H ⁻ A ⁻ O] Interactions as a Control Element in Supramolecular Complexes: A Experimental and Theoretical Evaluation of Receptor Affinities for the Binding of Bipyridinium-Based Guests by Catenated Hosts ¹ . <i>Journal of the American Chemical Society</i> , 1999, 121, 1479-1487.	6.6	199
139	Toward Chemically Controlled Nanoscale Molecular Machinery. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 1491-1495.	7.2	197
140	Self-Assembling [2]- and [3]Rotaxanes from Secondary Dialkylammonium Salts and Crown Ethers. <i>Chemistry - A European Journal</i> , 1996, 2, 729-736.	1.7	196
141	Versatile Supramolecular Nanovalves Reconfigured for Light Activation. <i>Advanced Functional Materials</i> , 2007, 17, 2101-2110.	7.8	196
142	Acid-Base Actuation of [2]Daisy Chains. <i>Journal of the American Chemical Society</i> , 2009, 131, 7126-7134.	6.6	195
143	Supramolecular Nanovalves Controlled by Proton Abstraction and Competitive Binding. <i>Chemistry of Materials</i> , 2006, 18, 5919-5928.	3.2	194
144	Decamethylcucurbit[5]uril. <i>Angewandte Chemie International Edition in English</i> , 1992, 31, 1475-1477.	4.4	193

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145	Big and little Meccano. <i>Tetrahedron</i> , 2008, 64, 8231-8263.	1.0	193
146	Supramolecular Explorations: Inhibiting the Content of Extended Cationic Cyclophanes. <i>Accounts of Chemical Research</i> , 2016, 49, 262-273.	7.6	193
147	Molecular LEGO. 1. Substrate-directed synthesis via stereoregular Diels-Alder oligomerizations. <i>Journal of the American Chemical Society</i> , 1992, 114, 6330-6353.	6.6	192
148	Chromatography in a Single Metal-Organic Framework (MOF) Crystal. <i>Journal of the American Chemical Society</i> , 2010, 132, 16358-16361.	6.6	192
149	Supramolecular Daisy Chains. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 1294-1297.	7.2	190
150	A self-complexing and self-assembling pillar[5]arene. <i>Chemical Communications</i> , 2012, 48, 1647-1649.	2.2	190
151	Controllable Donor-Acceptor Neutral [2]Rotaxanes. <i>Chemistry - A European Journal</i> , 2004, 10, 6375-6392.	1.7	185
152	Efficient Templated Synthesis of Donor-Acceptor Rotaxanes Using Click Chemistry. <i>Journal of the American Chemical Society</i> , 2006, 128, 10388-10390.	6.6	183
153	Mesostructured Silica Supports for Functional Materials and Molecular Machines. <i>Advanced Functional Materials</i> , 2007, 17, 2261-2271.	7.8	182
154	Flexible ferroelectric organic crystals. <i>Nature Communications</i> , 2016, 7, 13108.	5.8	182
155	A Redox-Driven Multicomponent Molecular Shuttle. <i>Journal of the American Chemical Society</i> , 2007, 129, 12159-12171.	6.6	180
156	Complexation of Paraquat by a bisparaphenylene-34-crown-10 derivative. <i>Journal of the Chemical Society Chemical Communications</i> , 1987, , 1064.	2.0	179
157	Chemical synthesis gets a fillip from molecular recognition and self-assembly processes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 4797-4800.	3.3	179
158	Dispersion and Solubilization of Single-Walled Carbon Nanotubes with a Hyperbranched Polymer. <i>Macromolecules</i> , 2002, 35, 7516-7520.	2.2	176
159	Templated Synthesis of Interlocked Molecules. <i>Topics in Current Chemistry</i> , 0, , 203-259.	4.0	176
160	The Metastability of an Electrochemically Controlled Nanoscale Machine on Gold Surfaces. <i>ChemPhysChem</i> , 2004, 5, 111-116.	1.0	175
161	Mechanized Silica Nanoparticles Based on Pillar[5]arenes for On-Command Cargo Release. <i>Small</i> , 2013, 9, 3224-3229.	5.2	175
162	Design and Synthesis of a Water-Stable Anionic Uranium-Based Metal-Organic Framework (MOF) with Ultra Large Pores. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10358-10362.	7.2	175

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163	A Liquid-Crystalline Bistable [2]Rotaxane. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4675-4679.	7.2	172
164	Tate and Lyle Lecture. From carbohydrates to enzyme analogues. <i>Chemical Society Reviews</i> , 1979, 8, 85.	18.7	171
165	The Self-Assembly of a Switchable [2]Rotaxane. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 1904-1907.	4.4	171
166	Template-directed synthesis of donor/acceptor [2]catenanes and [2]rotaxanes. <i>Pure and Applied Chemistry</i> , 2008, 80, 485-506.	0.9	171
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