

J Fraser Stoddart

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

1,273
papers

107,376
citations

158
h-index

277
g-index

1,376
ext. papers

115,962
ext. citations

11.1
avg, IF

8.46
L-index

#	Paper	IF	Citations
1273	Weak bonding strategies for achieving regio- and site-selective transformations. <i>CheM</i> , 2022 , 8, 414-438	16.2	5
1272	Fluorescence Quenching by Redox Molecular Pumping.. <i>Journal of the American Chemical Society</i> , 2022 , 144, 3572-3579	16.4	2
1271	Syntheses of three-dimensional catenanes under kinetic control.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2118573119	11.5	0
1270	Electron-catalysed molecular recognition.. <i>Nature</i> , 2022 , 603, 265-270	50.4	7
1269	Cyclophane-based two-dimensional polymer formed by an interfacial click reaction. <i>Cell Reports Physical Science</i> , 2022 , 100806	6.1	1
1268	Discovery of spontaneous de-interpenetration through charged point-point repulsions. <i>CheM</i> , 2021 , 7, 1013-1014	16.2	3
1267	Active mechanisorption driven by pumping cassettes. <i>Science</i> , 2021 , 374, 1215-1221	33.3	15
1266	Innenrücktitelbild: Radically Enhanced Dual Recognition (Angew. Chem. 48/2021). <i>Angewandte Chemie</i> , 2021 , 133, 25787	3.6	0
1265	Color-Tunable Supramolecular Luminescent Materials. <i>Advanced Materials</i> , 2021 , e2105405	24	11
1264	Supramolecular Gold Stripping from Activated Carbon Using β -Cyclodextrin. <i>Journal of the American Chemical Society</i> , 2021 , 143, 1984-1992	16.4	1
1263	Radical-Pairing Interactions in a Molecular Switch Evidenced by Ion Mobility Spectrometry and Infrared Ion Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 10049-10055	16.4	5
1262	Photon Upconversion in a Glowing Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2021 , 143, 5053-5059	16.4	11
1261	Radical-Pairing Interactions in a Molecular Switch Evidenced by Ion Mobility Spectrometry and Infrared Ion Spectroscopy. <i>Angewandte Chemie</i> , 2021 , 133, 10137-10143	3.6	2
1260	From molecular to supramolecular electronics. <i>Nature Reviews Materials</i> , 2021 , 6, 804-828	73.3	38
1259	Molecular Triangles: A New Class of Macrocycles. <i>Accounts of Chemical Research</i> , 2021 , 54, 2027-2039	24.3	18
1258	Emergent behavior in nanoconfined molecular containers. <i>CheM</i> , 2021 , 7, 919-947	16.2	23
1257	Molecular Pumps and Motors. <i>Journal of the American Chemical Society</i> , 2021 , 143, 5569-5591	16.4	43

1256	Aromatic hydrocarbon belts. <i>Nature Chemistry</i> , 2021 , 13, 402-419	17.6	21
1255	A Donor-Acceptor [2]Catenane for Visible Light Photocatalysis. <i>Journal of the American Chemical Society</i> , 2021 , 143, 8000-8010	16.4	6
1254	Diverse Proton-Conducting Nanotubes via a Tandem Macrocyclization and Assembly Strategy. <i>Journal of the American Chemical Society</i> , 2021 , 143, 8145-8153	16.4	4
1253	Electron-Catalyzed Dehydrogenation in a Single-Molecule Junction. <i>Journal of the American Chemical Society</i> , 2021 , 143, 8476-8487	16.4	4
1252	Coordination-Driven Selective Formation of D Symmetric Octanuclear Organometallic Cages. <i>Chemistry - A European Journal</i> , 2021 , 27, 9524-9528	4.8	0
1251	Selective Separation of Hexachloroplatinate(IV) Dianions Based on Exo-Binding with Cucurbit[6]uril. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 17587-17594	16.4	1
1250	Selective Photodimerization in a Cyclodextrin Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2021 , 143, 9129-9139	16.4	9
1249	Selective Separation of Hexachloroplatinate(IV) Dianions Based on Exo-Binding with Cucurbit[6]uril. <i>Angewandte Chemie</i> , 2021 , 133, 17728-17735	3.6	0
1248	Radical-pairing-induced molecular assembly and motion. <i>Nature Reviews Chemistry</i> , 2021 , 5, 447-465	34.6	17
1247	Temperature-Triggered Supramolecular Assembly of Organic Semiconductors. <i>Advanced Materials</i> , 2021 , e2101487	24	2
1246	Reticular exploration of uranium-based metal-organic frameworks with hexacarboxylate building units. <i>Nano Research</i> , 2021 , 14, 376-380	10	14
1245	Radical Cyclic [3]Daisy Chains. <i>Chem</i> , 2021 , 7, 174-189	16.2	10
1244	Discrete Open-Shell Tris(bipyridinium radical cationic) Inclusion Complexes in the Solid State. <i>Journal of the American Chemical Society</i> , 2021 , 143, 163-175	16.4	6
1243	Single-Molecule Charge Transport through Positively Charged Electrostatic Anchors. <i>Journal of the American Chemical Society</i> , 2021 , 143, 2886-2895	16.4	12
1242	Cyclodextrin Metal-Organic Frameworks and Their Applications. <i>Accounts of Chemical Research</i> , 2021 , 54, 1440-1453	24.3	24
1241	The Rise and Promise of Molecular Nanotopology. <i>CCS Chemistry</i> , 2021 , 3, 1542-1572	7.2	20
1240	Weaving on the molecular scale. <i>Matter</i> , 2021 , 4, 2582-2584	12.7	0
1239	A contorted nanographene shelter. <i>Nature Communications</i> , 2021 , 12, 5191	17.4	2

1238	Promotion and suppression of single-molecule conductance by quantum interference in macrocyclic circuits. <i>Matter</i> , 2021 ,	12.7	3
1237	Chiroptical Properties of Mechanically Interlocked Molecules. <i>Israel Journal of Chemistry</i> , 2021 , 61, 608	3.4	1
1236	Radically Enhanced Dual Recognition. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 25454-25462	16.4	4
1235	PCage: Fluorescent Molecular Temples for Binding Sugars in Water. <i>Journal of the American Chemical Society</i> , 2021 , 143, 15688-15700	16.4	4
1234	MultiCon: A Semi-Supervised Approach for Predicting Drug Function from Chemical Structure Analysis. <i>Journal of Chemical Information and Modeling</i> , 2020 , 60, 5995-6006	6.1	8
1233	Suit[4]ane. <i>Journal of the American Chemical Society</i> , 2020 , 142, 10273-10278	16.4	10
1232	Electrochemical Switching of a Fluorescent Molecular Rotor Embedded within a Bistable Rotaxane. <i>Journal of the American Chemical Society</i> , 2020 , 142, 11835-11846	16.4	19
1231	Molecular-Pump-Enabled Synthesis of a Daisy Chain Polymer. <i>Journal of the American Chemical Society</i> , 2020 , 142, 10308-10313	16.4	11
1230	A precise polyrotaxane synthesizer. <i>Science</i> , 2020 , 368, 1247-1253	33.3	72
1229	Precious metal recovery from electronic waste by a porous porphyrin polymer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 16174-16180	11.5	49
1228	Retraction of "Cyclodextrin Metal-Organic Frameworks: From the Research Laboratory to the Marketplace". <i>Accounts of Chemical Research</i> , 2020 , 53, 2762	24.3	4
1227	Highly Stable Organic Bisradicals Protected by Mechanical Bonds. <i>Journal of the American Chemical Society</i> , 2020 , 142, 7190-7197	16.4	10
1226	Mechanical-Bond-Induced Exciplex Fluorescence in an Anthracene-Based Homo[2]catenane. <i>Journal of the American Chemical Society</i> , 2020 , 142, 7956-7967	16.4	22
1225	Cyclophane-Sustained Ultrastable Porphyrins. <i>Journal of the American Chemical Society</i> , 2020 , 142, 8938-8945	16.4	7
1224	Giant Conductance Enhancement of Intramolecular Circuits through Interchannel Gating. <i>Matter</i> , 2020 , 2, 378-389	12.7	19
1223	Supramolecular Porous Organic Nanocomposites for Heterogeneous Photocatalysis of a Sulfur Mustard Simulant. <i>Advanced Materials</i> , 2020 , 32, e2001592	24	10
1222	Radical-Enriched Artificial Melanin. <i>Chemistry of Materials</i> , 2020 , 32, 5759-5767	9.6	8
1221	Mixed-flow design for microfluidic printing of two-component polymer semiconductor systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 17551-17557	11.5	12

1220	High-Efficiency Gold Recovery Using Cucurbit[6]uril. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 38768-38777	9.5	18
1219	Non-equilibrium kinetics and trajectory thermodynamics of synthetic molecular pumps. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 1304-1314	7.8	12
1218	Synthesis, structures, photophysical properties, and catalytic characteristics of 2,9-dimesityl-1,10-phenanthroline (dmesp) transition metal complexes. <i>Journal of Polymer Science</i> , 2020 , 58, 1130-1143	2.4	4
1217	TetrazineBox: A Structurally Transformative Toolbox. <i>Journal of the American Chemical Society</i> , 2020 , 142, 5419-5428	16.4	14
1216	XCage: A Tricyclic Octacationic Receptor for Perylene Diimide with Picomolar Affinity in Water. <i>Journal of the American Chemical Society</i> , 2020 , 142, 3165-3173	16.4	22
1215	Organic Counteranion Co-assembly Strategy for the Formation of Cyclodextrin-Containing Hybrid Frameworks. <i>Journal of the American Chemical Society</i> , 2020 , 142, 2042-2050	16.4	15
1214	Single-Crystal Polycationic Polymers Obtained by Single-Crystal-to-Single-Crystal Photopolymerization. <i>Journal of the American Chemical Society</i> , 2020 , 142, 6180-6187	16.4	18
1213	A diverse view of science to catalyse change: valuing diversity leads to scientific excellence, the progress of science and, most importantly, it is simply the right thing to do. We must value diversity not only in words, but also in actions. <i>Canadian Journal of Chemistry</i> , 2020 , 98, 597-600	0.9	1
1212	Franz N. Diederich: Pioneer of carbon allotropes and molecular recognition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 32827-32829	11.5	
1211	Integration of Enzymes and Photosensitizers in a Hierarchical Mesoporous Metal-Organic Framework for Light-Driven CO Reduction. <i>Journal of the American Chemical Society</i> , 2020 , 142, 1768-1773	16.4	80
1210	Tuning radical interactions in triradical tricationic complexes by varying host-cavity sizes. <i>Chemical Science</i> , 2020 , 11, 107-112	9.4	9
1209	Redox-Active Phenanthrenequinone Triangles in Aqueous Rechargeable Zinc Batteries. <i>Journal of the American Chemical Society</i> , 2020 , 142, 2541-2548	16.4	116
1208	Post-Synthetically Elaborated BODIPY-Based Porous Organic Polymers (POPs) for the Photochemical Detoxification of a Sulfur Mustard Simulant. <i>Journal of the American Chemical Society</i> , 2020 , 142, 18554-18564	16.4	38
1207	Hydrogen-Bonded Organic Frameworks: A Rising Class of Porous Molecular Materials. <i>Accounts of Materials Research</i> , 2020 , 1, 77-87	7.5	54
1206	Dawning of the Age of Molecular Nanotopology. <i>Nano Letters</i> , 2020 , 20, 5597-5600	11.5	22
1205	Viologen Tweezers to Probe the Force of Individual Donor-Acceptor Interactions. <i>Journal of the American Chemical Society</i> , 2020 , 142, 21153-21159	16.4	7
1204	Suit[3]ane. <i>Journal of the American Chemical Society</i> , 2020 , 142, 20152-20160	16.4	8
1203	Pumps through the Ages. <i>Chem</i> , 2020 , 6, 1952-1977	16.2	27

1202	Artificial Molecular Pump Operating in Response to Electricity and Light. <i>Journal of the American Chemical Society</i> , 2020 , 142, 14443-14449	16.4	28
1201	Stitching up the Belt[n]arenes. <i>CheM</i> , 2020 , 6, 826-829	16.2	4
1200	A diverse view of science to catalyse change. <i>Nature Chemistry</i> , 2020 , 12, 773-776	17.6	7
1199	Ring-in-Ring(s) Complexes Exhibiting Tunable Multicolor Photoluminescence. <i>Journal of the American Chemical Society</i> , 2020 , 142, 16849-16860	16.4	20
1198	Host-Guest Complexation-Mediated Supramolecular Photon Upconversion. <i>Journal of the American Chemical Society</i> , 2020 , 142, 16600-16609	16.4	6
1197	Two-photon excited deep-red and near-infrared emissive organic co-crystals. <i>Nature Communications</i> , 2020 , 11, 4633	17.4	33
1196	A Diverse View of Science to Catalyse Change. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 18306-18310	16.1	10
1195	A diverse view of science to catalyse change. <i>Croatica Chemica Acta</i> , 2020 , 93, 77-81	0.8	1
1194	Balancing volumetric and gravimetric uptake in highly porous materials for clean energy. <i>Science</i> , 2020 , 368, 297-303	33.3	215
1193	Conductive 2D metal-organic framework for high-performance cathodes in aqueous rechargeable zinc batteries. <i>Nature Communications</i> , 2019 , 10, 4948	17.4	198
1192	Amphidynamic Crystals Key to Artificial Molecular Machines. <i>Trends in Chemistry</i> , 2019 , 1, 627-629	14.8	13
1191	Artificial Allomelanin Nanoparticles. <i>ACS Nano</i> , 2019 , 13, 10980-10990	16.7	32
1190	Supramolecular Tessellations by a Rigid Naphthalene Diimide Triangle. <i>Journal of the American Chemical Society</i> , 2019 , 141, 17783-17795	16.4	32
1189	Stabilizing the Naphthalenediimide Radical within a Tetracationic Cyclophane. <i>Journal of the American Chemical Society</i> , 2019 , 141, 16915-16922	16.4	15
1188	Combining Intra- and Intermolecular Charge Transfer with Polycationic Cyclophanes To Design 2D Tessellations. <i>Journal of the American Chemical Society</i> , 2019 , 141, 18727-18739	16.4	21
1187	Inversion of Dispersion: Colloidal Stability of Calixarene-Modified Metal-Organic Framework Nanoparticles in Nonpolar Media. <i>Journal of the American Chemical Society</i> , 2019 , 141, 12182-12186	16.4	15
1186	Guest recognition enhanced by lateral interactions. <i>Chemical Science</i> , 2019 , 10, 5114-5123	9.4	11
1185	The Burgeoning of Mechanically Interlocked Molecules in Chemistry. <i>Trends in Chemistry</i> , 2019 , 1, 185-194	14.8	59

1184	Choosing sides: unusual ultrafast charge transfer pathways in an asymmetric electron-accepting cyclophane that binds an electron donor. <i>Chemical Science</i> , 2019 , 10, 4282-4292	9.4	10
1183	In Situ Photoconversion of Multicolor Luminescence and Pure White Light Emission Based on Carbon Dot-Supported Supramolecular Assembly. <i>Journal of the American Chemical Society</i> , 2019 , 141, 6583-6591	16.4	104
1182	Concepts in the design and engineering of single-molecule electronic devices. <i>Nature Reviews Physics</i> , 2019 , 1, 211-230	23.6	191
1181	Reticular Access to Highly Porous acs-MOFs with Rigid Trigonal Prismatic Linkers for Water Sorption. <i>Journal of the American Chemical Society</i> , 2019 , 141, 2900-2905	16.4	87
1180	A Hierarchical Nanoporous Diamondoid Superstructure. <i>CheM</i> , 2019 , 5, 2353-2364	16.2	12
1179	Assembly of a Porous Supramolecular Polyknot from Rigid Trigonal Prismatic Building Blocks. <i>Journal of the American Chemical Society</i> , 2019 , 141, 12998-13002	16.4	17
1178	Cyclotris(paraquat-p-phenylenes). <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 13778-13783	16.4	5
1177	Ligand-Directed Reticular Synthesis of Catalytically Active Missing Zirconium-Based Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019 , 141, 12229-12235	16.4	39
1176	A Supramolecular Approach for Modulated Photoprotection, Lysosomal Delivery, and Photodynamic Activity of a Photosensitizer. <i>Journal of the American Chemical Society</i> , 2019 , 141, 12296-12304	16.4	33
1175	A Molecular Dual Pump. <i>Journal of the American Chemical Society</i> , 2019 , 141, 17472-17476	16.4	32
1174	A Redox-Switchable Molecular Zipper. <i>Journal of the American Chemical Society</i> , 2019 , 141, 18308-18317	16.4	19
1173	Cyclotris(paraquat-p-phenylenes). <i>Angewandte Chemie</i> , 2019 , 131, 13916-13921	3.6	2
1172	A Dynamic Tetracationic Macrocyclic Exhibiting Photoswitchable Molecular Encapsulation. <i>Journal of the American Chemical Society</i> , 2019 , 141, 1280-1289	16.4	44
1171	Interpenetration Isomerism in Triptycene-Based Hydrogen-Bonded Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 1664-1669	16.4	56
1170	Discrete Dimers of Redox-Active and Fluorescent Perylene Diimide-Based Rigid Isosceles Triangles in the Solid State. <i>Journal of the American Chemical Society</i> , 2019 , 141, 1290-1303	16.4	54
1169	Interpenetration Isomerism in Triptycene-Based Hydrogen-Bonded Organic Frameworks. <i>Angewandte Chemie</i> , 2019 , 131, 1678-1683	3.6	19
1168	Rechargeable aluminium organic batteries. <i>Nature Energy</i> , 2019 , 4, 51-59	62.3	159
1167	Doing your own thing. <i>Nature Nanotechnology</i> , 2018 , 13, 268	28.7	

1166	Shuttling Rates, Electronic States, and Hysteresis in a Ring-in-Ring Rotaxane. <i>ACS Central Science</i> , 2018 , 4, 362-371	16.8	18
1165	Dynamic force spectroscopy of synthetic oligorotaxane foldamers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 9362-9366	11.5	29
1164	Synthetic oligorotaxanes exert high forces when folding under mechanical load. <i>Nature Nanotechnology</i> , 2018 , 13, 209-213	28.7	35
1163	Toward a Charged Homo[2]catenane Employing Diazaperopyrenium Homophilic Recognition. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6540-6544	16.4	9
1162	Hierarchically Engineered Mesoporous Metal-Organic Frameworks toward Cell-free Immobilized Enzyme Systems. <i>CheM</i> , 2018 , 4, 1022-1034	16.2	187
1161	Densely Charged Dodecacationic [3]- and Tetracosacationic Radial [5]Catenanes. <i>CheM</i> , 2018 , 4, 2329-2344	16.2	27
1160	Epitaxial Growth of Cyclodextrin-Containing Metal-Organic Frameworks Based on a Host-Guest Strategy. <i>Journal of the American Chemical Society</i> , 2018 , 140, 11402-11407	16.4	27
1159	Proton Conduction in Tröger's Base-Linked Poly(crown ether)s. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 25303-25310	9.5	16
1158	X-Shaped Oligomeric Pyromellitimide Polyradicals. <i>Journal of the American Chemical Society</i> , 2018 , 140, 515-523	16.4	11
1157	Molecular Russian dolls. <i>Nature Communications</i> , 2018 , 9, 5275	17.4	40
1156	Selective Extraction of C by a Tetragonal Prismatic Porphyrin Cage. <i>Journal of the American Chemical Society</i> , 2018 , 140, 13835-13842	16.4	64
1155	Growing community of artificial molecular machinists. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 9359-9361	11.5	20
1154	Neighboring Component Effect in a Tri-stable [2]Rotaxane. <i>Journal of the American Chemical Society</i> , 2018 , 140, 13827-13834	16.4	17
1153	ExTzBox: A Glowing Cyclophane for Live-Cell Imaging. <i>Journal of the American Chemical Society</i> , 2018 , 140, 7206-7212	16.4	57
1152	Controlling Dual Molecular Pumps Electrochemically. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 9325-9329	16.4	44
1151	Controlling Dual Molecular Pumps Electrochemically. <i>Angewandte Chemie</i> , 2018 , 130, 9469-9473	3.6	12
1150	Mixed-Valence Superstructure Assembled from a Mixed-Valence Host-Guest Complex. <i>Journal of the American Chemical Society</i> , 2018 , 140, 9387-9391	16.4	12
1149	Radically promoted formation of a molecular lasso. <i>Chemical Science</i> , 2017 , 8, 2562-2568	9.4	30

1148	Intramolecular Energy and Electron Transfer within a Diazaperopyrenium-Based Cyclophane. <i>Journal of the American Chemical Society</i> , 2017 , 139, 4107-4116	16.4	31
1147	Size-Matched Radical Multivalency. <i>Journal of the American Chemical Society</i> , 2017 , 139, 3986-3998	16.4	32
1146	Spin Frustration in the Triradical Trianion of a Naphthalenediimide Molecular Triangle. <i>Journal of the American Chemical Society</i> , 2017 , 139, 2948-2951	16.4	46
1145	Composite CD-MOF nanocrystals-containing microspheres for sustained drug delivery. <i>Nanoscale</i> , 2017 , 9, 7454-7463	7.7	148
1144	A Boat-Shaped Tetracationic Macrocycle with a Semiconducting Organic Framework. <i>Angewandte Chemie</i> , 2017 , 129, 5889-5894	3.6	6
1143	A Boat-Shaped Tetracationic Macrocycle with a Semiconducting Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 5795-5800	16.4	20
1142	Redox-Active Macrocycles for Organic Rechargeable Batteries. <i>Journal of the American Chemical Society</i> , 2017 , 139, 6635-6643	16.4	79
1141	Surveying macrocyclic chemistry: from flexible crown ethers to rigid cyclophanes. <i>Chemical Society Reviews</i> , 2017 , 46, 2459-2478	58.5	426
1140	An efficient artificial molecular pump. <i>Tetrahedron</i> , 2017 , 73, 4849-4857	2.4	39
1139	Mastering the non-equilibrium assembly and operation of molecular machines. <i>Chemical Society Reviews</i> , 2017 , 46, 5491-5507	58.5	188
1138	Encapsulation of Ibuprofen in CD-MOF and Related Bioavailability Studies. <i>Molecular Pharmaceutics</i> , 2017 , 14, 1831-1839	5.6	108
1137	Where Ion Mobility and Molecular Dynamics Meet To Unravel the (Un)Folding Mechanisms of an Oligorotaxane Molecular Switch. <i>ACS Nano</i> , 2017 , 11, 10253-10263	16.7	18
1136	Probing Distance Dependent Charge-Transfer Character in Excimers of Extended Viologen Cyclophanes Using Femtosecond Vibrational Spectroscopy. <i>Journal of the American Chemical Society</i> , 2017 , 139, 14265-14276	16.4	48
1135	Molecular Borromean Rings: From Controlled Construction to Potential Applications. <i>CheM</i> , 2017 , 3, 17-18	16.2	5
1134	Noninvasive Substitution of K Sites in Cyclodextrin Metal-Organic Frameworks by Li Ions. <i>Journal of the American Chemical Society</i> , 2017 , 139, 11020-11023	16.4	55
1133	Mechanically Interlocked Molecules (MIMs)-Molecular Shuttles, Switches, and Machines (Nobel Lecture). <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 11094-11125	16.4	506
1132	Introducing Stable Radicals into Molecular Machines. <i>ACS Central Science</i> , 2017 , 3, 927-935	16.8	78
1131	Mechanical-Bond-Protected, Air-Stable Radicals. <i>Journal of the American Chemical Society</i> , 2017 , 139, 12704-12709	16.4	29

1130	Mechanisch verzahnte Moleküle (MIMs) [molekulare Shuttle, Schalter und Maschinen (Nobel-Aufsatz)]. <i>Angewandte Chemie</i> , 2017 , 129, 11244-11277	3.6	123
1129	Tayi et al. reply. <i>Nature</i> , 2017 , 547, E14-E15	50.4	3
1128	Ferroelectric Polarization and Second Harmonic Generation in Supramolecular Cocrystals with Two Axes of Charge-Transfer. <i>Journal of the American Chemical Society</i> , 2017 , 139, 9186-9191	16.4	46
1127	Postsynthetic Incorporation of a Singlet Oxygen Photosensitizer in a Metal-Organic Framework for Fast and Selective Oxidative Detoxification of Sulfur Mustard. <i>Chemistry - A European Journal</i> , 2017 , 23, 214-218	4.8	74
1126	Serendipity 2016 , 388-414		
1125	Complex formation dynamics in a single-molecule electronic device. <i>Science Advances</i> , 2016 , 2, e1601113	14.3	55
1124	Optimized synthesis and crystalline stability of Cyclodextrin metal-organic frameworks for drug adsorption. <i>International Journal of Pharmaceutics</i> , 2016 , 514, 212-219	6.5	77
1123	Layer-by-Layer Assembled Films of Perylene Diimide- and Squaraine-Containing Metal-Organic Framework-like Materials: Solar Energy Capture and Directional Energy Transfer. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 24983-8	9.5	37
1122	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, 10358-62	16.4	141
1121	Design and Synthesis of a Water-Stable Anionic Uranium-Based Metal-Organic Framework (MOF) with Ultra Large Pores. <i>Angewandte Chemie</i> , 2016 , 128, 10514-10518	3.6	37
1120	Appendix A: Glossary of Terminology 2016 , 734-741		
1119	Appendix B: Cover Art Gallery 2016 , 742-752		
1118	In silico discovery of metal-organic frameworks for precombustion CO capture using a genetic algorithm. <i>Science Advances</i> , 2016 , 2, e1600909	14.3	164
1117	A Redox-Active Bistable Molecular Switch Mounted inside a Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2016 , 138, 14242-14245	16.4	95
1116	Making Mechanical Bonds Under Thermodynamic Control 2016 , 269-345		
1115	Molecular Topologies and Architectures with Mechanical Bonds 2016 , 347-470		0
1114	The Stereochemistry of the Mechanical Bond 2016 , 471-554		1
1113	Molecular Switches and Machines with Mechanical Bonds 2016 , 555-733		1

1112	An Introduction to the Mechanical Bond 2016 , 1-54		2
1111	The Fundamentals of Making Mechanical Bonds 2016 , 55-268		4
1110	Flexible ferroelectric organic crystals. <i>Nature Communications</i> , 2016 , 7, 13108	17.4	142
1109	Symbiotic Control in Mechanical Bond Formation. <i>Angewandte Chemie</i> , 2016 , 128, 12575-12580	3.6	4
1108	Influence of Constitution and Charge on Radical Pairing Interactions in Tris-radical Tricationic Complexes. <i>Journal of the American Chemical Society</i> , 2016 , 138, 8288-300	16.4	23
1107	Quantum Mechanical and Experimental Validation that Cyclobis(paraquat-p-phenylene) Forms a 1:1 Inclusion Complex with Tetrathiafulvalene. <i>Chemistry - A European Journal</i> , 2016 , 22, 2736-45	4.8	6
1106	CD-MOF: A Versatile Separation Medium. <i>Journal of the American Chemical Society</i> , 2016 , 138, 2292-301	16.4	203
1105	Supramolecular Explorations: Exhibiting the Extent of Extended Cationic Cyclophanes. <i>Accounts of Chemical Research</i> , 2016 , 49, 262-73	24.3	144
1104	Supramolecular Gelation of Rigid Triangular Macrocycles through Rings of Multiple C-H \cdots O Interactions Acting Cooperatively. <i>Journal of Organic Chemistry</i> , 2016 , 81, 2581-8	4.2	25
1103	Non-Interpenetrated Metal-Organic Frameworks Based on Copper(II) Paddlewheel and Oligoparaxylene-Isophthalate Linkers: Synthesis, Structure, and Gas Adsorption. <i>Journal of the American Chemical Society</i> , 2016 , 138, 3371-81	16.4	91
1102	Cooperative Reactivity in an Extended-Viologen-Based Cyclophane. <i>Journal of the American Chemical Society</i> , 2016 , 138, 3667-70	16.4	14
1101	Scalable synthesis and post-modification of a mesoporous metal-organic framework called NU-1000. <i>Nature Protocols</i> , 2016 , 11, 149-62	18.8	192
1100	Sliding-Ring Catenanes. <i>Journal of the American Chemical Society</i> , 2016 , 138, 10214-25	16.4	29
1099	Concurrent Covalent and Supramolecular Polymerization. <i>Chemistry - A European Journal</i> , 2016 , 22, 12304-15	4.8	12
1098	Wholly Synthetic Molecular Machines. <i>ChemPhysChem</i> , 2016 , 17, 1780-93	3.2	104
1097	Cooperative capture synthesis: yet another playground for copper-free click chemistry. <i>Chemical Society Reviews</i> , 2016 , 45, 3766-80	58.5	117
1096	Chiral Redox-Active Isosceles Triangles. <i>Journal of the American Chemical Society</i> , 2016 , 138, 5968-77	16.4	51
1095	Oligorotaxane Radicals under Orders. <i>ACS Central Science</i> , 2016 , 2, 89-98	16.8	40

1094	A metal-organic framework immobilised iridium pincer complex. <i>Chemical Science</i> , 2016 , 7, 4980-4984	9.4	66
1093	Ultrafast Two-Electron Transfer in a CdS Quantum Dot-Extended-Viologen Cyclophane Complex. <i>Journal of the American Chemical Society</i> , 2016 , 138, 6163-70	16.4	32
1092	Symbiotic Control in Mechanical Bond Formation. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 12387-92	16.4	18
1091	Supramolecular Double-Helix Formation by Diastereoisomeric Conformations of Configurationally Enantiomeric Macrocycles. <i>Journal of the American Chemical Society</i> , 2016 , 138, 14469-14480	16.4	35
1090	Cation-Dependent Gold Recovery with β -Cyclodextrin Facilitated by Second-Sphere Coordination. <i>Journal of the American Chemical Society</i> , 2016 , 138, 11643-53	16.4	53
1089	2016 ,		323
1088	Ultrahigh surface area zirconium MOFs and insights into the applicability of the BET theory. <i>Journal of the American Chemical Society</i> , 2015 , 137, 3585-91	16.4	249
1087	Complexation of polyoxometalates with cyclodextrins. <i>Journal of the American Chemical Society</i> , 2015 , 137, 4111-8	16.4	118
1086	A Platform for Change. <i>Supramolecular Chemistry</i> , 2015 , 27, 567-570	1.8	9
1085	Redox Control of the Binding Modes of an Organic Receptor. <i>Journal of the American Chemical Society</i> , 2015 , 137, 11057-68	16.4	42
1084	Electron Injection from Copper Diimine Sensitizers into TiO ₂ : Structural Effects and Their Implications for Solar Energy Conversion Devices. <i>Journal of the American Chemical Society</i> , 2015 , 137, 9670-84	16.4	47
1083	Activation-Enabled Syntheses of Functionalized Pillar[5]arene Derivatives. <i>Organic Letters</i> , 2015 , 17, 3260-3	6.2	25
1082	Tunable solid-state fluorescent materials for supramolecular encryption. <i>Nature Communications</i> , 2015 , 6, 6884	17.4	289
1081	Oxime ligation on the surface of mesoporous silica nanoparticles. <i>Organic Letters</i> , 2015 , 17, 2146-9	6.2	19
1080	Heterogeneity of functional groups in a metal-organic framework displays magic number ratios. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 5591-6	11.5	32
1079	An artificial molecular pump. <i>Nature Nanotechnology</i> , 2015 , 10, 547-53	28.7	318
1078	Lithium-Ion Batteries: A Rigid Naphthalenediimide Triangle for Organic Rechargeable Lithium-Ion Batteries (Adv. Mater. 18/2015). <i>Advanced Materials</i> , 2015 , 27, 2948-2948	24	1
1077	Carbohydrate-mediated purification of petrochemicals. <i>Journal of the American Chemical Society</i> , 2015 , 137, 5706-19	16.4	95

1076	Esterase- and pH-responsive poly(amino ester)-capped mesoporous silica nanoparticles for drug delivery. <i>Nanoscale</i> , 2015 , 7, 7178-83	7.7	64
1075	Ultrafast Photoinduced Symmetry-Breaking Charge Separation and Electron Sharing in Perylene diimide Molecular Triangles. <i>Journal of the American Chemical Society</i> , 2015 , 137, 13236-9	16.4	90
1074	A Hafnium-Based Metal-Organic Framework as a Nature-Inspired Tandem Reaction Catalyst. <i>Journal of the American Chemical Society</i> , 2015 , 137, 13624-31	16.4	115
1073	An Electrochromic Tristable Molecular Switch. <i>Journal of the American Chemical Society</i> , 2015 , 137, 13484-7	16.4	62
1072	Allosteric Modulation of Substrate Binding within a Tetracationic Molecular Receptor. <i>Journal of the American Chemical Society</i> , 2015 , 137, 13252-5	16.4	24
1071	Modulating the Binding of Polycyclic Aromatic Hydrocarbons Inside a Hexacationic Cage by Anion- π Interactions. <i>Angewandte Chemie</i> , 2015 , 127, 466-471	3.6	15
1070	Electrochemically addressable triradical rotaxanes organized within a metal-organic framework. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 11161-8	11.5	71
1069	Design and Synthesis of Nonequilibrium Systems. <i>ACS Nano</i> , 2015 , 9, 8672-88	16.7	106
1068	Folding of oligoviologens induced by radical-radical interactions. <i>Journal of the American Chemical Society</i> , 2015 , 137, 876-85	16.4	53
1067	Sugar and pH dual-responsive mesoporous silica nanocontainers based on competitive binding mechanisms. <i>Nanoscale</i> , 2015 , 7, 1067-72	7.7	40
1066	Modulating the binding of polycyclic aromatic hydrocarbons inside a hexacationic cage by anion- π interactions. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 456-61	16.4	32
1065	A rigid naphthalenediimide triangle for organic rechargeable lithium-ion batteries. <i>Advanced Materials</i> , 2015 , 27, 2907-12	24	120
1064	Charge and spin transport in an organic molecular square. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 11971-7	16.4	35
1063	Charge and Spin Transport in an Organic Molecular Square. <i>Angewandte Chemie</i> , 2015 , 127, 12139-12145	3.6	4
1062	Porphyritic supramolecular daisy chains incorporating pillar[5]arene-viologen host-guest interactions. <i>Chemical Communications</i> , 2015 , 51, 10455-8	5.8	48
1061	Visible Light-Driven Artificial Molecular Switch Actuated by Radical-Radical and Donor-Acceptor Interactions. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 6317-25	2.8	26
1060	Catenation through a Combination of Radical Templation and Ring-Closing Metathesis. <i>Journal of the American Chemical Society</i> , 2015 , 137, 15640-3	16.4	23
1059	Energy and Electron Transfer Dynamics within a Series of Perylene Diimide/Cyclophane Systems. <i>Journal of the American Chemical Society</i> , 2015 , 137, 15299-307	16.4	45

1058	Semiconducting single crystals comprising segregated arrays of complexes of C60. <i>Journal of the American Chemical Society</i> , 2015 , 137, 2392-9	16.4	50
1057	Functionalized defects through solvent-assisted linker exchange: synthesis, characterization, and partial postsynthesis elaboration of a metal-organic framework containing free carboxylic acid moieties. <i>Inorganic Chemistry</i> , 2015 , 54, 1785-90	5.1	46
1056	Formation of ring-in-ring complexes between crown ethers and rigid TVBox(8+). <i>Chemical Communications</i> , 2015 , 51, 1432-5	5.8	19
1055	Controlling association kinetics in the formation of donor-acceptor pseudorotaxanes. <i>Tetrahedron Letters</i> , 2015 , 56, 3591-3594	2	17
1054	Anticancer activity expressed by a library of 2,9-diazaperopyrenium dications. <i>ACS Nano</i> , 2015 , 9, 1461-706.7	10.7	10
1053	X-ray Crystallographic Studies on the Noncovalent Syntheses of Supramolecules 2015 , 213-229		
1052	The topological and chemical implications of introducing oriented rings to [3]catenanes. <i>Supramolecular Chemistry</i> , 2014 , 26, 192-201	1.8	5
1051	An electrochemically and thermally switchable donor-acceptor [c2]daisy chain rotaxane. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 1953-8	16.4	55
1050	Fluorescence Enhancement of a Porphyrin-Viologen Dyad by Pseudorotaxane Formation with Cucurbit[7]uril. <i>European Journal of Organic Chemistry</i> , 2014 , 2014, 2873-2877	3.2	13
1049	Electron transfer and multi-electron accumulation in ExBox ₈ . <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 5371-5	16.4	33
1048	A metal-organic framework-based material for electrochemical sensing of carbon dioxide. <i>Journal of the American Chemical Society</i> , 2014 , 136, 8277-82	16.4	181
1047	A reversible light-operated nanovalve on mesoporous silica nanoparticles. <i>Nanoscale</i> , 2014 , 6, 3335-43	7.7	105
1046	Induced-fit catalysis of corannulene bowl-to-bowl inversion. <i>Nature Chemistry</i> , 2014 , 6, 222-8	17.6	122
1045	Lock-arm supramolecular ordering: a molecular construction set for cocrystallizing organic charge transfer complexes. <i>Journal of the American Chemical Society</i> , 2014 , 136, 17224-35	16.4	50
1044	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, 15861-4	16.4	408
1043	Assembly of supramolecular nanotubes from molecular triangles and 1,2-dihalohydrocarbons. <i>Journal of the American Chemical Society</i> , 2014 , 136, 16651-60	16.4	75
1042	Efficient syntheses of pillar[6]arene-based hetero[4]rotaxanes using a cooperative capture strategy. <i>Chemical Communications</i> , 2014 , 50, 6196-9	5.8	75
1041	Formation of a hetero[3]rotaxane by a dynamic component-swapping strategy. <i>Chemical Communications</i> , 2014 , 50, 9665-8	5.8	24

1040	Photoinduced electron transfer within a zinc porphyrin-cyclobis(paraquat-p-phenylene) donor-acceptor dyad. <i>Chemistry - A European Journal</i> , 2014 , 20, 14690-7	4.8	15
1039	A square-planar tetracoordinate oxygen-containing TiO ₂ cluster stabilized by two 1,1'-ferrocenedicarboxylato ligands. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 9193-7	16.4	29
1038	Solid-state characterization and photoinduced intramolecular electron transfer in a nanoconfined octacationic homo[2]catenane. <i>Journal of the American Chemical Society</i> , 2014 , 136, 10569-72	16.4	26
1037	Ground-state kinetics of bistable redox-active donor-acceptor mechanically interlocked molecules. <i>Accounts of Chemical Research</i> , 2014 , 47, 482-93	24.3	96
1036	Electron delocalization in a rigid cofacial naphthalene-1,8:4,5-bis(dicarboximide) dimer. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 9476-81	16.4	100
1035	Emergent ion-gated binding of cationic host-guest complexes within cationic M12L24 molecular flasks. <i>Journal of the American Chemical Society</i> , 2014 , 136, 12027-34	16.4	78
1034	Amino-functionalized pillar[5]arene. <i>Chemistry - A European Journal</i> , 2014 , 20, 10996-1004	4.8	44
1033	Photocurrent generation from a low band-gap and green BODIPY-based electrochromic polymer. <i>Synthetic Metals</i> , 2014 , 197, 52-57	3.6	10
1032	Two-point halogen bonding between 3,6-dihalopyromellitic diimides. <i>Chemical Science</i> , 2014 , 5, 4242-4248	9.4	29
1031	Mechanical bonds and topological effects in radical dimer stabilization. <i>Journal of the American Chemical Society</i> , 2014 , 136, 11011-26	16.4	47
1030	ExCage. <i>Journal of the American Chemical Society</i> , 2014 , 136, 10669-82	16.4	106
1029	Enantiopure pillar[5]arene active domains within a homochiral metal-organic framework. <i>Chemical Communications</i> , 2014 , 50, 7455-8	5.8	64
1028	Redox switchable daisy chain rotaxanes driven by radical-radical interactions. <i>Journal of the American Chemical Society</i> , 2014 , 136, 4714-23	16.4	102
1027	An ExBox [2]catenane. <i>Chemical Science</i> , 2014 , 5, 2724	9.4	31
1026	Functionalizing pillar[n]arenes. <i>Accounts of Chemical Research</i> , 2014 , 47, 2631-42	24.3	373
1025	Rotaxane-based molecular muscles. <i>Accounts of Chemical Research</i> , 2014 , 47, 2186-99	24.3	393
1024	An Electrochemically and Thermally Switchable Donor-Acceptor [c2]Daisy Chain Rotaxane. <i>Angewandte Chemie</i> , 2014 , 126, 1984-1989	3.6	16
1023	Gated Electron Sharing Within Dynamic Naphthalene Diimide-Based Oligorotaxanes. <i>Angewandte Chemie</i> , 2014 , 126, 4531-4538	3.6	15

1022	Electron Transfer and Multi-Electron Accumulation in ExBox4+. <i>Angewandte Chemie</i> , 2014 , 126, 5475-5479	3.6	14
1021	Extended metal-carbohydrate frameworks. <i>Pure and Applied Chemistry</i> , 2014 , 86, 1323-1334	2.1	19
1020	Second-sphere coordination revisited. <i>Chimia</i> , 2014 , 68, 315-20	1.3	35
1019	Energetically demanding transport in a supramolecular assembly. <i>Journal of the American Chemical Society</i> , 2014 , 136, 14702-5	16.4	60
1018	Relative contractile motion of the rings in a switchable palindromic [3]rotaxane in aqueous solution driven by radical-pairing interactions. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 6089-93	3.9	17
1017	Electron Delocalization in a Rigid Cofacial Naphthalene-1,8:4,5-bis(dicarboximide) Dimer. <i>Angewandte Chemie</i> , 2014 , 126, 9630-9635	3.6	30
1016	Gated electron sharing within dynamic naphthalene diimide-based oligorotaxanes. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 4442-9	16.4	51
1015	Topological isomerism in a chiral handcuff catenane. <i>Chemical Science</i> , 2014 , 5, 90-100	9.4	20
1014	Ex(2)Box: interdependent modes of binding in a two-nanometer-long synthetic receptor. <i>Journal of the American Chemical Society</i> , 2013 , 135, 12736-46	16.4	85
1013	Metal-Organic Framework Thin Films Composed of Free-Standing Acicular Nanorods Exhibiting Reversible Electrochromism. <i>Chemistry of Materials</i> , 2013 , 25, 5012-5017	9.6	194
1012	A water-soluble pH-triggered molecular switch. <i>Journal of the American Chemical Society</i> , 2013 , 135, 17696-4	16.4	64
1011	Synthesis of Ex(n)Box cyclophanes. <i>Journal of Organic Chemistry</i> , 2013 , 78, 11962-9	4.2	69
1010	Aromatizing olefin metathesis by ligand isolation inside a metal-organic framework. <i>Journal of the American Chemical Society</i> , 2013 , 135, 14916-9	16.4	58
1009	Interface-engineered bistable [2]rotaxane-graphene hybrids with logic capabilities. <i>Advanced Materials</i> , 2013 , 25, 6752-9	24	44
1008	Pillar[5]arene as a co-factor in templating rotaxane formation. <i>Journal of the American Chemical Society</i> , 2013 , 135, 17019-30	16.4	97
1007	Electron sharing and anion-recognition in molecular triangular prisms. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 13100-4	16.4	144
1006	Mechanical bond-induced radical stabilization. <i>Journal of the American Chemical Society</i> , 2013 , 135, 456-67.4	16.4	83
1005	Dimerization of viologen subunits around the core of C60 from twelve to six directions. <i>Chemical Science</i> , 2013 , 4, 1462	9.4	45

1004	Beyond perylene diimides-diazaperopyrenium dications as chameleonic nanoscale building blocks. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 524-32	4.5	11
1003	βCyclodextrin cuprate sandwich-type complexes. <i>Inorganic Chemistry</i> , 2013 , 52, 2854-61	5.1	22
1002	Asararenes--a family of large aromatic macrocycles. <i>Chemistry - A European Journal</i> , 2013 , 19, 3860-8	4.8	46
1001	A radically configurable six-state compound. <i>Science</i> , 2013 , 339, 429-33	33.3	140
1000	Redox-controlled selective docking in a [2]catenane host. <i>Journal of the American Chemical Society</i> , 2013 , 135, 2466-9	16.4	26
999	Synthesis and solution-state dynamics of donor-acceptor oligorotaxane foldamers. <i>Chemical Science</i> , 2013 , 4, 1470	9.4	39
998	Direct calorimetric measurement of enthalpy of adsorption of carbon dioxide on CD-MOF-2, a green metal-organic framework. <i>Journal of the American Chemical Society</i> , 2013 , 135, 6790-3	16.4	120
997	Mechanized silica nanoparticles based on pillar[5]arenes for on-command cargo release. <i>Small</i> , 2013 , 9, 3224-9	11	163
996	Direct exfoliation of graphite to graphene in aqueous media with diazaperopyrenium dications. <i>Advanced Materials</i> , 2013 , 25, 2740-5	24	77
995	Three-dimensional architectures incorporating stereoregular donor-acceptor stacks. <i>Chemistry - A European Journal</i> , 2013 , 19, 8457-65	4.8	25
994	BODIPY-thiophene copolymers as p-channel semiconductors for organic thin-film transistors. <i>Advanced Materials</i> , 2013 , 25, 4327-34	24	68
993	Selective isolation of gold facilitated by second-sphere coordination with βcyclodextrin. <i>Nature Communications</i> , 2013 , 4, 1855	17.4	119
992	Photophysical pore control in an azobenzene-containing metal-organic framework. <i>Chemical Science</i> , 2013 , 4, 2858	9.4	208
991	Photoexpulsion of surface-grafted ruthenium complexes and subsequent release of cytotoxic cargos to cancer cells from mesoporous silica nanoparticles. <i>Journal of the American Chemical Society</i> , 2013 , 135, 11603-13	16.4	110
990	Ultrafast conformational dynamics of electron transfer in ExBox4+?perylene. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 12438-48	2.8	109
989	Relative unidirectional translation in an artificial molecular assembly fueled by light. <i>Journal of the American Chemical Society</i> , 2013 , 135, 18609-20	16.4	93
988	Recognition between V- and dumbbell-shaped molecules. <i>RSC Advances</i> , 2013 , 3, 26382	3.7	5
987	Organic switches for surfaces and devices. <i>Advanced Materials</i> , 2013 , 25, 331-48	24	134

986	Quantitative Emergence of Hetero[4]rotaxanes by Template-Directed Click Chemistry. <i>Angewandte Chemie</i> , 2013 , 125, 399-405	3.6	17
985	Quantitative emergence of hetero[4]rotaxanes by template-directed click chemistry. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 381-7	16.4	89
984	ExBox: a polycyclic aromatic hydrocarbon scavenger. <i>Journal of the American Chemical Society</i> , 2013 , 135, 183-92	16.4	232
983	Electron Sharing and Anion Recognition in Molecular Triangular Prisms. <i>Angewandte Chemie</i> , 2013 , 125, 13338-13342	3.6	55
982	Mechanically Interlaced and Interlocked Donor-Acceptor Foldamers. <i>Advances in Polymer Science</i> , 2013 , 271-294	1.3	17
981	Chameleonic Binding of the Dimethyldiazaperopyrenium Dication by Cucurbit[8]uril. <i>Asian Journal of Organic Chemistry</i> , 2013 , 2, 225-229	3	7
980	Electronic and optical vibrational spectroscopy of molecular transport junctions created by on-wire lithography. <i>Small</i> , 2013 , 9, 1900-3	11	9
979	Stereochemical inversion in difunctionalised pillar[5]arenes. <i>Supramolecular Chemistry</i> , 2013 , 25, 596-608.8		22
978	Patterned assembly of quantum dots onto surfaces modified with click microcontact printing. <i>Advanced Materials</i> , 2013 , 25, 223-6	24	13
977	Donor-acceptor ring-in-ring complexes. <i>Chemistry - A European Journal</i> , 2012 , 18, 202-12	4.8	31
976	Photoinduced memory effect in a redox controllable bistable mechanical molecular switch. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 1611-5	16.4	109
975	Metal-organic frameworks incorporating copper-complexed rotaxanes. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 2160-3	16.4	92
974	Radically enhanced molecular switches. <i>Journal of the American Chemical Society</i> , 2012 , 134, 16275-88	16.4	73
973	Tetrathiafulvalene hetero radical cation dimerization in a redox-active [2]catenane. <i>Journal of the American Chemical Society</i> , 2012 , 134, 19136-45	16.4	29
972	The Chameleonic Nature of Diazaperopyrenium Recognition Processes. <i>Angewandte Chemie</i> , 2012 , 124, 12042-12047	3.6	6
971	Highly efficient ultrafast electron injection from the singlet MLCT excited state of copper(I) diimine complexes to TiO ₂ nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 12711-5	16.4	77
970	The chameleonic nature of diazaperopyrenium recognition processes. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 11872-7	16.4	21
969	Molecular gauge blocks for building on the nanoscale. <i>Chemistry - A European Journal</i> , 2012 , 18, 15632-42.8		23

968	Polyporous metal-coordination frameworks. <i>Organic Letters</i> , 2012 , 14, 1460-3	6.2	38
967	Mechanostereochemistry and the mechanical bond. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2012 , 468, 2849-2880	2.4	47
966	Giving substance to the Losanitsch series. <i>Chemical Communications</i> , 2012 , 48, 3158-60	5.8	9
965	Room-temperature ferroelectricity in supramolecular networks of charge-transfer complexes. <i>Nature</i> , 2012 , 488, 485-9	50.4	381
964	Synthesis, structure, and metalation of two new highly porous zirconium metal-organic frameworks. <i>Inorganic Chemistry</i> , 2012 , 51, 6443-5	5.1	629
963	Efficient long-range stereochemical communication and cooperative effects in self-assembled Fe ₄ L ₆ cages. <i>Journal of the American Chemical Society</i> , 2012 , 134, 15528-37	16.4	72
962	Modular synthesis of bipyridinium oligomers and corresponding donor-acceptor oligorotaxanes with crown ethers. <i>Organic Letters</i> , 2012 , 14, 5066-9	6.2	18
961	Self-assembly of a [2]pseudorota[3]catenane in water. <i>Journal of the American Chemical Society</i> , 2012 , 134, 17007-10	16.4	32
960	Incorporation of an A1/A2-difunctionalized pillar[5]arene into a metal-organic framework. <i>Journal of the American Chemical Society</i> , 2012 , 134, 17436-9	16.4	209
959	Ground-state thermodynamics of bistable redox-active donor-acceptor mechanically interlocked molecules. <i>Accounts of Chemical Research</i> , 2012 , 45, 1581-92	24.3	103
958	Size-selective pH-operated megagates on mesoporous silica materials. <i>Nanoscale</i> , 2012 , 4, 7569-74	7.7	27
957	A neutral naphthalene diimide [2]rotaxane. <i>Organic Letters</i> , 2012 , 14, 5188-91	6.2	33
956	A self-complexing and self-assembling pillar[5]arene. <i>Chemical Communications</i> , 2012 , 48, 1647-9	5.8	175
955	A semiconducting organic radical cationic host-guest complex. <i>ACS Nano</i> , 2012 , 6, 9964-71	16.7	38
954	Dynamic covalent templated-synthesis of [c2]daisy chains. <i>Chemical Communications</i> , 2012 , 48, 10401-3	5.8	18
953	Nanoporous carbohydrate metal-organic frameworks. <i>Journal of the American Chemical Society</i> , 2012 , 134, 406-17	16.4	208
952	Solvent-dependent ground-state distributions in a donor-acceptor redox-active bistable [2]catenane. <i>Journal of Physical Organic Chemistry</i> , 2012 , 25, 544-552	2.1	15
951	Positive cooperativity in the template-directed synthesis of monodisperse macromolecules. <i>Journal of the American Chemical Society</i> , 2012 , 134, 5243-61	16.4	101

- 950 Dynamic imine chemistry. *Chemical Society Reviews*, **2012**, 41, 2003-24 58.5 758
- 949 Mesoporous silica nanoparticles in biomedical applications. *Chemical Society Reviews*, **2012**, 41, 2590-605 58.5 1480
- 948 Large-pore apertures in a series of metal-organic frameworks. *Science*, **2012**, 336, 1018-23 33.3 1425
- 947 Solution-phase mechanistic study and solid-state structure of a tris(bipyridinium radical cation) inclusion complex. *Journal of the American Chemical Society*, **2012**, 134, 3061-72 16.4 112
- 946 Controlling switching in bistable [2]catenanes by combining donor-acceptor and radical-radical interactions. *Journal of the American Chemical Society*, **2012**, 134, 11709-20 16.4 62
- 945 The effects of conformation on the noncovalent bonding interactions in a bistable donor-acceptor [3]catenane. *Chemical Communications*, **2012**, 48, 9245-7 5.8 15
- 944 Rapid thermally assisted donor-acceptor catenation. *Chemical Communications*, **2012**, 48, 9141-3 5.8 6
- 943 High hopes: can molecular electronics realise its potential?. *Chemical Society Reviews*, **2012**, 41, 4827-59 58.5 258
- 942 A rigid donor-acceptor daisy chain dimer. *Chemical Communications*, **2012**, 48, 6791-3 5.8 17
- 941 High-contrast photopatterning of photoluminescence within quantum dot films through degradation of a charge-transfer quencher. *Advanced Materials*, **2012**, 24, 3617-21 24 19
- 940 High-Contrast Photopatterning of Photoluminescence within Quantum Dot Films through Degradation of a Charge-Transfer Quencher (Adv. Mater. 27/2012). *Advanced Materials*, **2012**, 24, 3616-3616 24 16
- 939 Photoinduced Memory Effect in a Redox Controllable Bistable Mechanical Molecular Switch. *Angewandte Chemie*, **2012**, 124, 1643-1647 3.6 25
- 938 Metal-Organic Frameworks Incorporating Copper-Complexed Rotaxanes. *Angewandte Chemie*, **2012**, 124, 2202-2205 3.6 21
- 937 Stimulated Release of Size-Selected Cargos in Succession from Mesoporous Silica Nanoparticles. *Angewandte Chemie*, **2012**, 124, 5556-5561 3.6 20
- 936 Oligomeric Pseudorotaxanes Adopting Infinite-Chain Lattice Superstructures. *Angewandte Chemie*, **2012**, 124, 7343-7347 3.6 2
- 935 Stimulated release of size-selected cargoes in succession from mesoporous silica nanoparticles. *Angewandte Chemie - International Edition*, **2012**, 51, 5460-5 16.4 147
- 934 Oligomeric pseudorotaxanes adopting infinite-chain lattice superstructures. *Angewandte Chemie - International Edition*, **2012**, 51, 7231-5 16.4 31
- 933 Stereochemistry of molecular figures-of-eight. *Chemistry - A European Journal*, **2012**, 18, 10312-23 4.8 19

932	Mechanically Interlocked Molecules Assembled by Recognition. <i>ChemPlusChem</i> , 2012 , 77, 159-185	2.8	78
931	Great expectations: can artificial molecular machines deliver on their promise?. <i>Chemical Society Reviews</i> , 2012 , 41, 19-30	58.5	723
930	Cooperative self-assembly: producing synthetic polymers with precise and concise primary structures. <i>Chemical Society Reviews</i> , 2012 , 41, 5881-95	58.5	104
929	The mechanical bond: a work of art. <i>Topics in Current Chemistry</i> , 2012 , 323, 19-72		49
928	Mechanically induced intramolecular electron transfer in a mixed-valence molecular shuttle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 11546-51	11.5	43
927	Surface-Enhanced Raman Spectroelectrochemistry of TTF-Modified Self-Assembled Monolayers. <i>Journal of Physical Chemistry Letters</i> , 2011 , 2, 1145-9	6.4	34
926	Chemical topology: complex molecular knots, links, and entanglements. <i>Chemical Reviews</i> , 2011 , 111, 5434-64	68.1	626
925	Mechanically interlocked mechanophores by living-radical polymerization from rotaxane initiators. <i>Organic Letters</i> , 2011 , 13, 2706-9	6.2	20
924	Switchable photoconductivity of quantum dot films using cross-linking ligands with light-sensitive structures. <i>Journal of Materials Chemistry</i> , 2011 , 21, 11492		20
923	A solid-state switch containing an electrochemically switchable bistable poly[n]rotaxane. <i>Journal of Materials Chemistry</i> , 2011 , 21, 1487-1495		43
922	Solution-phase counterion effects in supramolecular and mechanostereochemical systems. <i>Chemical Society Reviews</i> , 2011 , 40, 57-78	58.5	78
921	Microcontact click printing for templating ultrathin films of metal-organic frameworks. <i>Langmuir</i> , 2011 , 27, 1341-5	4	29
920	Covalent Organic Frameworks with High Charge Carrier Mobility. <i>Chemistry of Materials</i> , 2011 , 23, 4094-4097	4.9	524
919	Degenerate [2]rotaxanes with electrostatic barriers. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 2240-50	5.9	33
918	Mechanically stabilized tetrathiafulvalene radical dimers. <i>Journal of the American Chemical Society</i> , 2011 , 133, 4538-47	16.4	110
917	Reactions under the click chemistry philosophy employed in supramolecular and mechanostereochemical systems. <i>Chemistry - an Asian Journal</i> , 2011 , 6, 2660-9	4.5	63
916	Monofunctionalized pillar[5]arene as a host for alkanediamines. <i>Journal of the American Chemical Society</i> , 2011 , 133, 5668-71	16.4	424
915	Arranging pseudorotaxanes octahedrally around [60]fullerene. <i>Chemical Communications</i> , 2011 , 47, 1425-8	5.8	17

914	Mechanized silica nanoparticles: a new frontier in theranostic nanomedicine. <i>Accounts of Chemical Research</i> , 2011 , 44, 903-13	24.3	533
913	Strong and reversible binding of carbon dioxide in a green metal-organic framework. <i>Journal of the American Chemical Society</i> , 2011 , 133, 15312-5	16.4	297
912	Mechanised materials. <i>Chemical Science</i> , 2011 , 2, 204-210	9.4	102
911	Synthesis of biomolecule-modified mesoporous silica nanoparticles for targeted hydrophobic drug delivery to cancer cells. <i>Small</i> , 2011 , 7, 1816-26	11	188
910	Imprinting Chemical and Responsive Micropatterns into Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2011 , 123, 290-293	3.6	18
909	Dual Stimulus Switching of a [2]Catenane in Water. <i>Angewandte Chemie</i> , 2011 , 123, 1845-1849	3.6	10
908	A Light-Stimulated Molecular Switch Driven by Radical-Radical Interactions in Water. <i>Angewandte Chemie</i> , 2011 , 123, 6914-6920	3.6	33
907	Imprinting chemical and responsive micropatterns into metal-organic frameworks. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 276-9	16.4	63
906	Dual stimulus switching of a [2]catenane in water. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 1805-9	16.4	51
905	A light-stimulated molecular switch driven by radical-radical interactions in water. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 6782-8	16.4	115
904	Inside Cover: A Light-Stimulated Molecular Switch Driven by Radical-Radical Interactions in Water (Angew. Chem. Int. Ed. 30/2011). <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 6674-6674	16.4	3
903	Donor-acceptor oligorotaxanes made to order. <i>Chemistry - A European Journal</i> , 2011 , 17, 2107-19	4.8	49
902	A multistate switchable [3]rotacatenane. <i>Chemistry - A European Journal</i> , 2011 , 17, 213-22	4.8	54
901	Optical and vibrational properties of toroidal carbon nanotubes. <i>Chemistry - A European Journal</i> , 2011 , 17, 3868-75	4.8	23
900	Electrostatic barriers in rotaxanes and pseudorotaxanes. <i>Chemistry - A European Journal</i> , 2011 , 17, 6076-83	4.8	61
899	Donor-acceptor molecular figures-of-eight. <i>Chemical Communications</i> , 2011 , 47, 11870-2	5.8	36
898	A redox-active reverse donor-acceptor bistable [2]rotaxane. <i>Chemical Science</i> , 2011 , 2, 1046-1053	9.4	52
897	A neutral redox-switchable [2]rotaxane. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 7126-33	3.9	24

896	Dynamic clicked surfaces based on functionalised pillar[5]arene. <i>Chemical Communications</i> , 2011 , 47, 11420-2	5.8	85
895	Syntheses and dynamics of donor-acceptor [2]catenanes in water. <i>Journal of the American Chemical Society</i> , 2011 , 133, 396-9	16.4	67
894	Solid-state structures and superstructures of two charged donor-acceptor rotaxanes. <i>Tetrahedron Letters</i> , 2011 , 52, 2044-2047	2	7
893	Measurement of the ground-state distributions in bistable mechanically interlocked molecules using slow scan rate cyclic voltammetry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 20416-21	11.5	26
892	Radically enhanced molecular recognition. <i>Nature Chemistry</i> , 2010 , 2, 42-9	17.6	247
891	Robust dynamics. <i>Nature Chemistry</i> , 2010 , 2, 439-43	17.6	208
890	Highly stable tetrathiafulvalene radical dimers in [3]catenanes. <i>Nature Chemistry</i> , 2010 , 2, 870-9	17.6	159
889	Isolation by crystallization of translational isomers of a bistable donor-acceptor [2]catenane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 13991-6	11.5	38
888	Mechanostereochemistry. <i>Pure and Applied Chemistry</i> , 2010 , 82, 1569-1574	2.1	56
887	A redox-switchable [2]rotaxane in a liquid-crystalline state. <i>Chemical Communications</i> , 2010 , 46, 1224-6	5.8	76
886	Changing stations in single bistable rotaxane molecules under electrochemical control. <i>ACS Nano</i> , 2010 , 4, 3697-701	16.7	70
885	Enabling tetracationic cyclophane production by trading templates. <i>Chemical Science</i> , 2010 , 1, 119	9.4	71
884	A tristable [2]pseudo[2]rotaxane. <i>Chemical Communications</i> , 2010 , 46, 871-3	5.8	42
883	Metal-organic frameworks with designed chiral recognition sites. <i>Chemical Communications</i> , 2010 , 46, 4911-3	5.8	71
882	Autonomous in vitro anticancer drug release from mesoporous silica nanoparticles by pH-sensitive nanovalves. <i>Journal of the American Chemical Society</i> , 2010 , 132, 12690-7	16.4	511
881	Molecular-mechanical switching at the nanoparticle-solvent interface: practice and theory. <i>Journal of the American Chemical Society</i> , 2010 , 132, 4310-20	16.4	57
880	Snap-top nanocarriers. <i>Organic Letters</i> , 2010 , 12, 3304-7	6.2	102
879	The stability of imine-containing dynamic [2]rotaxanes to hydrolysis. <i>Organic and Biomolecular Chemistry</i> , 2010 , 8, 83-9	3.9	25

878	Chromatography in a single metal-organic framework (MOF) crystal. <i>Journal of the American Chemical Society</i> , 2010 , 132, 16358-61	16.4	177
877	Mechanically bonded macromolecules. <i>Chemical Society Reviews</i> , 2010 , 39, 17-29	58.5	380
876	Nanoparticles functionalised with reversible molecular and supramolecular switches. <i>Chemical Society Reviews</i> , 2010 , 39, 2203-37	58.5	447
875	On the thermodynamic and kinetic investigations of a [c2]daisy chain polymer. <i>Journal of Materials Chemistry</i> , 2010 , 20, 3422		54
874	Directed self-assembly of a ring-in-ring complex. <i>Chemical Communications</i> , 2010 , 46, 5861-3	5.8	44
873	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, 10623-5	16.4	539
872	A metal-organic framework replete with ordered donor-acceptor catenanes. <i>Chemical Communications</i> , 2010 , 46, 380-2	5.8	84
871	Self-assembly, stability quantification, controlled molecular switching, and sensing properties of an anthracene-containing dynamic [2]rotaxane. <i>Organic and Biomolecular Chemistry</i> , 2010 , 8, 2332-43	3.9	30
870	A Short History of the Mechanical Bond 2010 , 65-139		4
869	Excited state distortions in a charge transfer state of a donor-acceptor [2]rotaxane. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 14135-43	3.6	7
868	pH-operated nanopistons on the surfaces of mesoporous silica nanoparticles. <i>Journal of the American Chemical Society</i> , 2010 , 132, 13016-25	16.4	280
867	Working mechanism for a redox switchable molecular machine based on cyclodextrin: a free energy profile approach. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 6561-6	3.4	44
866	The dynamic chemistry of molecular borromean rings and Solomon knots. <i>Chemistry - A European Journal</i> , 2010 , 16, 12570-81	4.8	84
865	Stereoelectronically-programmed molecular Lego Sets. <i>Bulletin Des Sociétés Chimiques Belges</i> , 2010 , 97, 669-678		21
864	Metal-Organic Frameworks from Edible Natural Products. <i>Angewandte Chemie</i> , 2010 , 122, 8812-8816	3.6	55
863	Template-Directed Syntheses of Rigid Oligorotaxanes under Thermodynamic Control. <i>Angewandte Chemie</i> , 2010 , 122, 7366-7370	3.6	6
862	Mechanical Bond Formation by Radical Templation. <i>Angewandte Chemie</i> , 2010 , 122, 8436-8441	3.6	24
861	Polycatenation under thermodynamic control. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 3151-6.4	6.4	34

860	Metal-organic frameworks from edible natural products. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 8630-4	16.4	426
859	A catenated strut in a catenated metal-organic framework. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 6751-5	16.4	96
858	Template-directed syntheses of rigid oligorotaxanes under thermodynamic control. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 7208-12	16.4	53
857	Mechanical bond formation by radical templation. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 8260-5	16.4	82
856	Cover Picture: Metal-Organic Frameworks from Edible Natural Products (Angew. Chem. Int. Ed. 46/2010). <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 8535-8535	16.4	2
855	Improving pore exposure in mesoporous silica films for mechanized control of the pores. <i>Microporous and Mesoporous Materials</i> , 2010 , 132, 435-441	5.3	24
854	Improved synthesis of 1,5-dinaphtho[38]crown-10. <i>Tetrahedron Letters</i> , 2010 , 51, 983-986	2	29
853	Cyclodextrins as second-sphere ligands for transition metal complexes. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 2010 , 107, 515-528		75
852	Alternate State Variables for Emerging Nanoelectronic Devices. <i>IEEE Nanotechnology Magazine</i> , 2009 , 8, 66-75	2.6	32
851	Complexation between methyl viologen (paraquat) bis(hexafluorophosphate) and dibenzo[24]crown-8 revisited. <i>Chemistry - A European Journal</i> , 2009 , 15, 106-16	4.8	61
850	Functionally rigid and degenerate molecular shuttles. <i>Chemistry - A European Journal</i> , 2009 , 15, 1115-22	4.8	41
849	Rigid-strut-containing crown ethers and [2]catenanes for incorporation into metal-organic frameworks. <i>Chemistry - A European Journal</i> , 2009 , 15, 13356-80	4.8	77
848	Redox- and pH-Controlled Mechanized Nanoparticles. <i>European Journal of Organic Chemistry</i> , 2009 , 2009, 1669-1673	3.2	89
847	A bistable poly[2]catenane forms nanosuperstructures. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 1792-7	16.4	63
846	Synthesizing interlocked molecules dynamically. <i>Chemical Record</i> , 2009 , 9, 136-54	6.6	63
845	Facile postpolymerization end-modification of RAFT polymers. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 346-356	2.5	84
844	Photoconductance and inverse photoconductance in films of functionalized metal nanoparticles. <i>Nature</i> , 2009 , 460, 371-5	50.4	209
843	Thither supramolecular chemistry?. <i>Nature Chemistry</i> , 2009 , 1, 14-5	17.6	110

842	Dynamic hook-and-eye nanoparticle sponges. <i>Nature Chemistry</i> , 2009 , 1, 733-8	17.6	104
841	Mesostructured Silica for Optical Functionality, Nanomachines, and Drug Delivery. <i>Journal of the American Ceramic Society</i> , 2009 , 92, s2-s10	3.8	92
840	Inclusion behavior of beta-cyclodextrin with bipyridine molecules: factors governing host-guest inclusion geometries. <i>Chemistry - an Asian Journal</i> , 2009 , 4, 446-56	4.5	18
839	Noncovalent functionalization of single-walled carbon nanotubes. <i>Accounts of Chemical Research</i> , 2009 , 42, 1161-71	24.3	589
838	Metal nanoparticles functionalized with molecular and supramolecular switches. <i>Journal of the American Chemical Society</i> , 2009 , 131, 4233-5	16.4	111
837	Acid-base actuation of [c2]daisy chains. <i>Journal of the American Chemical Society</i> , 2009 , 131, 7126-34	16.4	172
836	pH clock-operated mechanized nanoparticles. <i>Journal of the American Chemical Society</i> , 2009 , 131, 12912-4	16.4	301
835	Mechanised nanoparticles for drug delivery. <i>Nanoscale</i> , 2009 , 1, 16-39	7.7	448
834	A general synthesis of macrocyclic pi-electron-acceptor systems. <i>Organic Letters</i> , 2009 , 11, 5238-41	6.2	16
833	Light-operated mechanized nanoparticles. <i>Journal of the American Chemical Society</i> , 2009 , 131, 1686-8	16.4	455
832	Free energy barrier for molecular motions in bistable [2]rotaxane molecular electronic devices. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 2136-43	2.8	38
831	Rigidity-Stability Relationship in Interlocked Model Complexes Containing Phenylene-Ethynylene-Based Disubstituted Naphthalene and Benzene. <i>Crystal Growth and Design</i> , 2009 , 9, 2300-2309	3.5	6
830	A layered liquid crystalline droplet. <i>Journal of Materials Chemistry</i> , 2009 , 19, 3469		8
829	Dual-controlled nanoparticles exhibiting AND logic. <i>Journal of the American Chemical Society</i> , 2009 , 131, 11344-6	16.4	278
828	The chemistry of the mechanical bond. <i>Chemical Society Reviews</i> , 2009 , 38, 1802-20	58.5	550
827	Active molecular plasmonics: controlling plasmon resonances with molecular switches. <i>Nano Letters</i> , 2009 , 9, 819-25	11.5	191
826	A mechanical actuator driven electrochemically by artificial molecular muscles. <i>ACS Nano</i> , 2009 , 3, 291-306	16.7	220
825	Mesostructured multifunctional nanoparticles for imaging and drug delivery. <i>Journal of Materials Chemistry</i> , 2009 , 19, 6251		196

824	A light-gated STOP-GO molecular shuttle. <i>Journal of the American Chemical Society</i> , 2009 , 131, 2493-5	16.4	112
823	A push-button molecular switch. <i>Journal of the American Chemical Society</i> , 2009 , 131, 11571-80	16.4	105
822	Assembly of polygonal nanoparticle clusters directed by reversible noncovalent bonding interactions. <i>Nano Letters</i> , 2009 , 9, 3185-90	11.5	73
821	Docking in metal-organic frameworks. <i>Science</i> , 2009 , 325, 855-9	33.3	314
820	The master of chemical topology. <i>Chemical Society Reviews</i> , 2009 , 38, 1521-9	58.5	59
819	Proton ionizable 1H-1,2,4-triazole Electron deficient cyclophanes as hosts and in [2]catenanes. <i>New Journal of Chemistry</i> , 2009 , 33, 300-317	3.6	12
818	A bistable pretzelane. <i>Chemical Communications</i> , 2009 , 4844-6	5.8	24
817	Redox-driven switching in pseudorotaxanes. <i>New Journal of Chemistry</i> , 2009 , 33, 254	3.6	44
816	Heterogeneous catalysis of a copper-coated atomic force microscopy tip for direct-write click chemistry. <i>Journal of the American Chemical Society</i> , 2009 , 131, 6692-4	16.4	71
815	Azobenzene-based light-responsive hydrogel system. <i>Langmuir</i> , 2009 , 25, 8442-6	4	290
814	Thermodynamic forecasting of mechanically interlocked switches. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 4391-405	3.9	31
813	Controlled-access hollow mechanized silica nanocontainers. <i>Journal of the American Chemical Society</i> , 2009 , 131, 15136-42	16.4	263
812	pH-responsive mechanised nanoparticles gated by semirotaxanes. <i>Chemical Communications</i> , 2009 , 5371-3	5.8	57
811	Molecular, Supramolecular, and Macromolecular Motors and Artificial Muscles. <i>MRS Bulletin</i> , 2009 , 34, 671-681	3.2	67
810	Spatially controlled assembly of nanomaterials at the nanoscale. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 650-4	1.3	4
809	Enzyme-responsive snap-top covered silica nanocontainers. <i>Journal of the American Chemical Society</i> , 2008 , 130, 2382-3	16.4	544
808	A tunable photosensor. <i>Journal of the American Chemical Society</i> , 2008 , 130, 16996-17003	16.4	55
807	An interdigitated functionally rigid [2]rotaxane. <i>Chemical Communications</i> , 2008 , 4561-3	5.8	33

- 806 Folding of a donor-acceptor polyrotaxane by using noncovalent bonding interactions. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 6514-9 11.5 76
- 805 Experimentally-based recommendations of density functionals for predicting properties in mechanically interlocked molecules. *Journal of the American Chemical Society*, **2008**, 130, 14928-9 16.4 51
- 804 Organogel formation by a cholesterol-stoppered bistable [2]rotaxane and its dumbbell precursor. *Journal of the American Chemical Society*, **2008**, 130, 6348-50 16.4 113
- 803 A reverse donor-acceptor bistable [2]catenane. *Organic Letters*, **2008**, 10, 3187-90 6.2 52
- 802 Kinetic and thermodynamic approaches for the efficient formation of mechanical bonds. *Accounts of Chemical Research*, **2008**, 41, 1750-61 24.3 141
- 801 Electrochromic materials using mechanically interlocked molecules. *Science and Technology of Advanced Materials*, **2008**, 9, 014104 7.1 23
- 800 Template-directed synthesis of donor/acceptor [2]catenanes and [2]rotaxanes. *Pure and Applied Chemistry*, **2008**, 80, 485-506 2.1 161
- 799 A one-pot synthesis of constitutionally unsymmetrical rotaxanes using sequential Cu(I)-catalyzed azide-alkyne cycloadditions. *Chemistry - A European Journal*, **2008**, 14, 4168-77 4.8 56
- 798 Tetrathiafulvalene radical cation dimerization in a bistable tripodal [4]rotaxane. *Chemistry - A European Journal*, **2008**, 14, 3889-95 4.8 62
- 797 Polyviologen dendrimers as hosts and charge-storing devices. *Chemistry - A European Journal*, **2008**, 14, 8365-73 4.8 49
- 796 Unravelling the shuttling mechanism in a photoswitchable multicomponent bistable rotaxane. *Angewandte Chemie - International Edition*, **2008**, 47, 3536-9 16.4 58
- 795 pH-responsive supramolecular nanovalves based on cucurbit[6]uril pseudorotaxanes. *Angewandte Chemie - International Edition*, **2008**, 47, 2222-6 16.4 413
- 794 An acid-base-controllable [c2]daisy chain. *Angewandte Chemie - International Edition*, **2008**, 47, 7470-4 16.4 179
- 793 Heterogeneous catalysis through microcontact printing. *Angewandte Chemie - International Edition*, **2008**, 47, 9927-32 16.4 47
- 792 Light-Induced Charge Transfer in Pyrene/CdSe-SWNT Hybrids. *Advanced Materials*, **2008**, 20, 939-946 24 158
- 791 Pyrenecyclodextrin-Decorated Single-Walled Carbon Nanotube Field-Effect Transistors as Chemical Sensors. *Advanced Materials*, **2008**, 20, 1910-1915 24 93
- 790 Big and little Meccano. *Tetrahedron*, **2008**, 64, 8231-8263 2.4 129
- 789 Iodide-catalysed self-assembly of donor-acceptor [3]catenanes. *Chemical Communications*, **2008**, 1853-5 5.8 46

788	A redox-switchable alpha-cyclodextrin-based [2]rotaxane. <i>Journal of the American Chemical Society</i> , 2008 , 130, 11294-6	16.4	120
787	Bifunctional [c2]daisy-chains and their incorporation into mechanically interlocked polymers. <i>Journal of the American Chemical Society</i> , 2007 , 129, 8944-5	16.4	97
786	Bispyrrolotetrathiafulvalene-containing [2]catenanes. <i>Journal of Organic Chemistry</i> , 2007 , 72, 9335-8	4.2	16
785	A molecular plug-socket connector. <i>Journal of the American Chemical Society</i> , 2007 , 129, 4633-42	16.4	42
784	Functionally rigid bistable [2]rotaxanes. <i>Journal of the American Chemical Society</i> , 2007 , 129, 960-70	16.4	114
783	A clicked bistable [2]rotaxane. <i>Organic Letters</i> , 2007 , 9, 1287-90	6.2	90
782	Structural and co-conformational effects of alkyne-derived subunits in charged donor-acceptor [2]catenanes. <i>Journal of the American Chemical Society</i> , 2007 , 129, 8236-46	16.4	76
781	Switching surface chemistry with supramolecular machines. <i>Langmuir</i> , 2007 , 23, 31-4	4	35
780	Blue-colored donor-acceptor [2]rotaxane. <i>Organic Letters</i> , 2007 , 9, 1481-4	6.2	36
779	Equilibrating dynamic [2]rotaxanes. <i>Journal of Organic Chemistry</i> , 2007 , 72, 6708-13	4.2	54
778	Dynamic Mechanically Interlocked Dendrimers: Amplification in Dendritic Dynamic Combinatorial Libraries. <i>Macromolecules</i> , 2007 , 40, 3951-3959	5.5	55
777	Pirouetting in chiral [2]catenanes. <i>Israel Journal of Chemistry</i> , 2007 , 47, 253-262	3.4	5
776	Template-directed synthesis employing reversible imine bond formation. <i>Chemical Society Reviews</i> , 2007 , 36, 1705-23	58.5	446
775	Nondegenerate pi-donor/pi-acceptor [2]catenanes containing proton-ionizable 1H-1,2,4-triazole subunits: synthesis and spontaneous resolution. <i>Chemistry - A European Journal</i> , 2007 , 13, 3964-79	4.8	25
774	A molecular solomon link. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 218-22	16.4	222
773	A liquid-crystalline bistable [2]rotaxane. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 4675-9	16.4	158
772	Versatile Supramolecular Nanovalves Reconfigured for Light Activation. <i>Advanced Functional Materials</i> , 2007 , 17, 2101-2110	15.6	187
771	Nanovalves. <i>Advanced Functional Materials</i> , 2007 , 17, 685-693	15.6	273

770	Mesostructured Silica Supports for Functional Materials and Molecular Machines. <i>Advanced Functional Materials</i> , 2007 , 17, 2261-2271	15.6	177
769	Multivalent interactions between lectins and supramolecular complexes: Galectin-1 and self-assembled pseudopolyrotaxanes. <i>Chemistry and Biology</i> , 2007 , 14, 1140-51		45
768	A 160-kilobit molecular electronic memory patterned at 10(11) bits per square centimetre. <i>Nature</i> , 2007 , 445, 414-7	50.4	1078
767	Targeting Galectin-1 with Self-Assembled Multivalent Pseudopolyrotaxanes. <i>ACS Symposium Series</i> , 2007 , 356-374	0.4	1
766	Toward electrochemically controllable tristable three-station [2]catenanes. <i>Chemistry - an Asian Journal</i> , 2007 , 2, 76-93	4.5	65
765	Modular synthesis and dynamics of a variety of donor-acceptor interlocked compounds prepared by click chemistry. <i>Chemistry - an Asian Journal</i> , 2007 , 2, 634-47	4.5	93
764	Photo-driven molecular devices. <i>Chemical Society Reviews</i> , 2007 , 36, 77-92	58.5	509
763	Dynamic donor-acceptor [2]catenanes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 12966-70	11.5	85
762	Designing bistable [2]rotaxanes for molecular electronic devices. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2007 , 365, 1607-25	3	76
761	Clicked Interlocked Molecules. <i>Bulletin of the Chemical Society of Japan</i> , 2007 , 80, 1856-1869	5.1	114
760	Molecular Machines. <i>The Electrical Engineering Handbook</i> , 2007 , 11-1-11-48		
759	Electrochemically controllable conjugation of proteins on surfaces. <i>Bioconjugate Chemistry</i> , 2007 , 18, 1919-23	6.3	40
758	Efficient production of [n]rotaxanes by using template-directed clipping reactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 17266-71	11.5	107
757	A redox-driven multicomponent molecular shuttle. <i>Journal of the American Chemical Society</i> , 2007 , 129, 12159-71	16.4	165
756	Hexafunctionalized borromeates using olefin cross metathesis. <i>Organic Letters</i> , 2007 , 9, 2433-6	6.2	21
755	Design and optimization of molecular nanovalves based on redox-switchable bistable rotaxanes. <i>Journal of the American Chemical Society</i> , 2007 , 129, 626-34	16.4	367
754	Molecular Self-Assembly Processes. <i>Novartis Foundation Symposium</i> , 2007 , 5-22		1
753	Making Molecular Borromean Rings. A Gram-Scale Synthetic Procedure for the Undergraduate Organic Lab. <i>Journal of Chemical Education</i> , 2007 , 84, 855	2.4	26

752	Models of charge transport and transfer in molecular switch tunnel junctions of bistable catenanes and rotaxanes. <i>Chemical Physics</i> , 2006 , 324, 280-290	2.3	41
751	. <i>IEEE Circuits and Devices: the Magazine of Electronic and Photonic Systems</i> , 2006 , 22, 12-21		37
750	Axially Chiral Catenanes and Electron-Deficient Receptors. <i>Chemistry - A European Journal</i> , 2006 , 3, 463-481	4.8	37
749	Self-assembly with block copolymers through metal coordination of SCS-Pd(II) pincer complexes and pseudorotaxane formation. <i>Chemistry - A European Journal</i> , 2006 , 12, 3789-97	4.8	48
748	Chiral borromeates. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 4099-104	16.4	66
747	Suitanes. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 6665-9	16.4	85
746	Cover Picture: Chiral Borromeates (Angew. Chem. Int. Ed. 25/2006). <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 4037-4037	16.4	1
745	Pseudorotaxanes and Rotaxanes Formed by Viologen Derivatives. <i>European Journal of Organic Chemistry</i> , 2006 , 2006, 1857-1866	3.2	50
744	Ein neues, chirales, koordinationsfähiges Lithiumamid. <i>Angewandte Chemie</i> , 2006 , 101, 1048-1051	3.6	10
743	Structure-Directed Synthesis of New Organic Materials. <i>Angewandte Chemie</i> , 2006 , 101, 1129-1136	3.6	29
742	Chiral Borromeates. <i>Angewandte Chemie</i> , 2006 , 118, 4205-4210	3.6	24
741	Suitanes. <i>Angewandte Chemie</i> , 2006 , 118, 6817-6821	3.6	24
740	Towards Organization of Molecular Machines at Interfaces: Langmuir Films and Langmuir-Blodgett Multilayers of an Acid-Base Switchable Rotaxane. <i>Advanced Materials</i> , 2006 , 18, 1291-1296	24	46
739	A Comparison of Shuttling Mechanisms in Two Constitutionally Isomeric Bistable Rotaxane-Based Sunlight-Powered Nanomotors. <i>Australian Journal of Chemistry</i> , 2006 , 59, 193	1.2	37
738	Nano Meccano 2006 , 193-214		
737	Evaluation of synthetic linear motor-molecule actuation energetics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 8583-8	11.5	81
736	Autonomous artificial nanomotor powered by sunlight. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 1178-83	11.5	418
735	Operating molecular elevators. <i>Journal of the American Chemical Society</i> , 2006 , 128, 1489-99	16.4	266

734	Quantifying the working stroke of tetrathiafulvalene-based electrochemically-driven linear motor-molecules. <i>Chemical Communications</i> , 2006 , 144-6	5.8	53
733	Photoinduced electron flow in a self-assembling supramolecular extension cable. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 18411-6	11.5	55
732	Spiers Memorial Lecture. Molecular mechanics and molecular electronics. <i>Faraday Discussions</i> , 2006 , 131, 9-22; discussion 91-109	3.6	59
731	Monitoring cyclodextrin-polyviologen pseudopolyrotaxanes with the Bradford assay. <i>Organic and Biomolecular Chemistry</i> , 2006 , 4, 250-6	3.9	17
730	Template-directed synthesis of mechanically interlocked molecular bundles using dynamic covalent chemistry. <i>Organic Letters</i> , 2006 , 8, 3899-902	6.2	82
729	Construction of a pH-driven supramolecular nanovalve. <i>Organic Letters</i> , 2006 , 8, 3363-6	6.2	229
728	Template-directed one-step synthesis of cyclic trimers by ADMET. <i>Journal of the American Chemical Society</i> , 2006 , 128, 15358-9	16.4	43
727	Cyclobis(paraquat-p-phenylene)-based [2]catenanes prepared by kinetically controlled reactions involving alkynes. <i>Organic Letters</i> , 2006 , 8, 4835-8	6.2	83
726	Efficient templated synthesis of donor-acceptor rotaxanes using click chemistry. <i>Journal of the American Chemical Society</i> , 2006 , 128, 10388-90	16.4	171
725	Kinetically controlled self-assembly of pseudorotaxanes on crystallization. <i>Organic Letters</i> , 2006 , 8, 2159-62	6.2	24
724	Infrared spectroscopic characterization of [2]rotaxane molecular switch tunnel junction devices. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 7609-12	3.4	87
723	Locking down the electronic structure of (monopyrrolo)tetrathiafulvalene in [2]rotaxanes. <i>Organic Letters</i> , 2006 , 8, 2205-8	6.2	40
722	Noncovalent Side-Chain Functionalization of Terpolymers. <i>Macromolecules</i> , 2006 , 39, 3738-3744	5.5	42
721	A soliton phenomenon in langmuir monolayers of amphiphilic bistable rotaxanes. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 3845-8	3.4	17
720	Supramolecular self-assembly of dendronized polymers: reversible control of the polymer architectures through acid-base reactions. <i>Journal of the American Chemical Society</i> , 2006 , 128, 10707-15	16.4	116
719	Supramolecular Nanovalves Controlled by Proton Abstraction and Competitive Binding. <i>Chemistry of Materials</i> , 2006 , 18, 5919-5928	9.6	182
718	Supramolecular pseudo-rotaxane type complexes from extended TTF dimer crown ether and C60. <i>Tetrahedron</i> , 2006 , 62, 1998-2002	2.4	35
717	Bioinspired detection of light using a porphyrin-sensitized single-wall nanotube field effect transistor. <i>Nano Letters</i> , 2006 , 6, 2031-6	11.5	206

716	Mechanism of enhanced rectification in unimolecular Borromean ring devices. <i>Physical Review B</i> , 2006 , 74,	3.3	15
715	Structural control at the organic/solid interface. <i>Journal of Materials Chemistry</i> , 2006 , 16, 32-44		63
714	Molecular and Nanoscale Computing and Technology 2006 , 477-509		3
713	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> , 2005 , 12, 261-79	4.8	203
712	Dynamic chirality in donor-acceptor pretzelanes. <i>Journal of Organic Chemistry</i> , 2005 , 70, 9334-44	4.2	26
711	Magic ring catenation by olefin metathesis. <i>Organic Letters</i> , 2005 , 7, 2129-32	6.2	138
710	An electrochemical color-switchable RGB dye: tristable [2]catenane. <i>Journal of the American Chemical Society</i> , 2005 , 127, 15994-5	16.4	89
709	A reversible molecular valve. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 10029-34	11.5	422
708	Dynamic nanoscale Borromean links. <i>Chemical Communications</i> , 2005 , 3391-3	5.8	37
707	Template-directed olefin cross metathesis. <i>Organic Letters</i> , 2005 , 7, 4213-6	6.2	46
706	Conformational diastereoisomerism in a chiral pretzelane. <i>Chemical Communications</i> , 2005 , 3927-9	5.8	22
705	Electron and Energy Transfer 2005 , 267-291		3
704	Nanoscale borromeates. <i>Journal of Organic Chemistry</i> , 2005 , 70, 7956-62	4.2	62
703	Template-directed dynamic synthesis of mechanically interlocked dendrimers. <i>Journal of the American Chemical Society</i> , 2005 , 127, 5808-10	16.4	118
702	Evidence of strong hydration and significant tilt of amphiphilic [2]rotaxane molecules in Langmuir films studied by synchrotron X-ray reflectivity. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 1063-6	3.4	28
701	Nanoscale borromean rings. <i>Accounts of Chemical Research</i> , 2005 , 38, 1-9	24.3	209
700	Crystal Engineering with Soft and Topologically Adaptable Molecular Host Frameworks 2005 , 221-234		1
699	Multivalency and cooperativity in supramolecular chemistry. <i>Accounts of Chemical Research</i> , 2005 , 38, 723-32	24.3	567

698	Theozymes and Catalyst Design 2005 , 79-88		5
697	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, 1563-75	16.4	185
696	Molecular dynamics simulation of amphiphilic bistable [2]rotaxane langmuir monolayers at the air/water interface. <i>Journal of the American Chemical Society</i> , 2005 , 127, 14804-16	16.4	90
695	Nanoscale Borromean links for real. <i>Chemical Communications</i> , 2005 , 3394-6	5.8	67
694	Powering a supramolecular machine with a photoactive molecular triad. <i>Small</i> , 2005 , 1, 87-90	11	38
693	From Fullerenes to Novel Carbon Allotropes: Exciting Prospects for Organic Synthesis 2005 , 161-186		
692	Supercritical Fluids for Organic Synthesis 2005 , 13-24		2
691	Enzyme Mimics 2005 , 339-353		1
690	Asymmetric Phase Transfer Catalysis 2005 , 123-143		1
689	Molecular-Level Devices and Machines 2005 , 255-266		5
688	Molecular Wires and Devices 2005 , 235-253		
687	Luminescent Logic and Sensing 2005 , 307-315		1
686	Exploring Dynamics and Stereochemistry in Mechanically-Interlocked Compounds. <i>Collection of Czechoslovak Chemical Communications</i> , 2005 , 70, 1493-1576		45
685	Asymmetric Catalysis in Target-Oriented Synthesis 2005 , 145-160		2
684	Organic Synthesis and Cell Biology 2005 , 369-382		
683	Enantioselective Catalysis Using Sterically and Electronically Unsymmetrical Ligands 2005 , 89-103		
682	From a Meccano set to nano meccano. <i>Pure and Applied Chemistry</i> , 2005 , 77, 1089-1106	2.1	10
681	The Supramolecular Synthron in Crystal Engineering 2005 , 293-306		7

680	Linear artificial molecular muscles. <i>Journal of the American Chemical Society</i> , 2005 , 127, 9745-59	16.4	617
679	Templated Synthesis of Interlocked Molecules. <i>Topics in Current Chemistry</i> , 2005 , 203-259		167
678	Honing Up a Genre of Amphiphilic Bistable [2]Rotaxanes for Device Settings. <i>European Journal of Organic Chemistry</i> , 2005 , 2005, 196-220	3.2	61
677	Shuttling dynamics in an acid-base-switchable [2]rotaxane. <i>ChemPhysChem</i> , 2005 , 6, 2145-52	3.2	89
676	Donor-acceptor pretzelanes and a cyclic bis[2]catenane homologue. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 3050-5	16.4	51
675	Structural evidence of mechanical shuttling in condensed monolayers of bistable rotaxane molecules. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 7035-9	16.4	64
674	Donor-Acceptor Pretzelanes and a Cyclic Bis[2]catenane Homologue. <i>Angewandte Chemie</i> , 2005 , 117, 3110-3115	3.6	14
673	Structural Evidence of Mechanical Shuttling in Condensed Monolayers of Bistable Rotaxane Molecules. <i>Angewandte Chemie</i> , 2005 , 117, 7197-7201	3.6	11
672	Template-directed synthesis of multiply mechanically interlocked molecules under thermodynamic control. <i>Chemistry - A European Journal</i> , 2005 , 11, 4655-66	4.8	110
671	A photoactive molecular triad as a nanoscale power supply for a supramolecular machine. <i>Chemistry - A European Journal</i> , 2005 , 11, 6846-58	4.8	99
670	Nanoelectronic devices from self-organized molecular switches. <i>Applied Physics A: Materials Science and Processing</i> , 2005 , 80, 1197-1209	2.6	88
669	Single-walled carbon nanotubes under the influence of dynamic coordination and supramolecular chemistry. <i>Small</i> , 2005 , 1, 452-61	11	79
668	Lewis Acid Catalysis in Aqueous Media 2005 , 1-12		
667	Dendritic Architectures 2005 , 187-198		1
666	Enzyme Inhibitors 2005 , 356-368		
665	Sub-micron Patterning on Polymer Films for Protein Arrays. <i>Materials Research Society Symposia Proceedings</i> , 2005 , 900, 1		
664	Template-Directed Syntheses of Configurable and Reconfigurable Molecular Switches. <i>Synthesis</i> , 2005 , 2005, 3437-3445	2.9	5
663	Asymmetric Two-Center Catalysis 2005 , 105-121		1

662	Slippage and Constrictive Binding 2005 , 211-220		2
661	Nanochemistry Architecture at the Mesoscale 2005 , 317-337		1
660	Fluorous Techniques for the Synthesis of Organic Molecules: A Unified Strategy for Reaction and Separation 2005 , 25-37		1
659	Chemical Encapsulation in Self-Assembling Capsules 2005 , 199-210		2
658	Domino Reaction in Organic Synthesis. An Approach to Efficiency, Elegance, Ecological Benefit, Economic Advantage and Preservation of Our Resources in Chemical Transformations 2005 , 39-64		10
657	From Cyclophanes to Molecular Machines 2005 , 485-518		1
656	Artificial molecular devices based on tetrathiafulvalene. <i>European Physical Journal Special Topics</i> , 2004 , 114, 511-513		3
655	More on molecular electronics. <i>Science</i> , 2004 , 303, 1136-7; author reply 1136-7	33.3	37
654	Spontaneous resolution in a family of [2]catenanes containing proton-ionisable 1H-1,2,4-triazole subunits. <i>Mendeleev Communications</i> , 2004 , 14, 233-235	1.9	12
653	Thermally and electrochemically controllable self-complexing molecular switches. <i>Journal of the American Chemical Society</i> , 2004 , 126, 9150-1	16.4	109
652	The exclusivity of multivalency in dynamic covalent processes. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 3273-8	16.4	64
651	Molecular-mechanical switch-based solid-state electrochromic devices. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 6486-91	16.4	203
650	The Exclusivity of Multivalency in Dynamic Covalent Processes. <i>Angewandte Chemie</i> , 2004 , 116, 3335-3340	3.6	12
649	Molecular-Mechanical Switch-Based Solid-State Electrochromic Devices. <i>Angewandte Chemie</i> , 2004 , 116, 6648-6653	3.6	55
648	The metastability of an electrochemically controlled nanoscale machine on gold surfaces. <i>ChemPhysChem</i> , 2004 , 5, 111-6	3.2	161
647	Meccano on the Nanoscale Architecture: A Blueprint for Making Some of the World's Tiniest Machines. <i>ChemInform</i> , 2004 , 35, no		1
646	Redox-controllable amphiphilic [2]rotaxanes. <i>Chemistry - A European Journal</i> , 2004 , 10, 155-72	4.8	140
645	A mechanically interlocked bundle. <i>Chemistry - A European Journal</i> , 2004 , 10, 1926-35	4.8	79

644	Molecular shuttles based on tetrathiafulvalene units and 1,5-dioxynaphthalene ring systems. <i>Chemistry - A European Journal</i> , 2004 , 10, 2555-64	4.8	98
643	The influence of constitutional isomerism and change on molecular recognition processes. <i>Chemistry - A European Journal</i> , 2004 , 10, 5406-21	4.8	27
642	Controllable donor-acceptor neutral [2]rotaxanes. <i>Chemistry - A European Journal</i> , 2004 , 10, 6375-92	4.8	173
641	The role of physical environment on molecular electromechanical switching. <i>Chemistry - A European Journal</i> , 2004 , 10, 6558-64	4.8	165
640	Synthesis of lactoside glycodendrons using photoaddition and reductive amination methodologies. <i>Carbohydrate Research</i> , 2004 , 339, 2069-75	2.9	18
639	Counterion-induced translational isomerism in a bistable [2]rotaxane. <i>Organic Letters</i> , 2004 , 6, 4167-70	6.2	86
638	Electronic detection of the enzymatic degradation of starch. <i>Organic Letters</i> , 2004 , 6, 2089-92	6.2	54
637	Polyvalent interactions in unnatural recognition processes. <i>Journal of Organic Chemistry</i> , 2004 , 69, 4390-402	4.02	23
636	Switchable neutral bistable rotaxanes. <i>Journal of the American Chemical Society</i> , 2004 , 126, 9884-5	16.4	210
635	Langmuir and Langmuir-Blodgett films of amphiphilic bistable rotaxanes. <i>Langmuir</i> , 2004 , 20, 5809-28	4	56
634	Mechanical Shuttling of Linear Motor-Molecules in Condensed Phases on Solid Substrates. <i>Nano Letters</i> , 2004 , 4, 2065-2071	11.5	101
633	Polyvalent scaffolds. Counting the number of seats available for eosin guest molecules in viologen-based host dendrimers. <i>Journal of the American Chemical Society</i> , 2004 , 126, 568-73	16.4	52
632	Can multivalency be expressed kinetically? The answer is yes. <i>Journal of the American Chemical Society</i> , 2004 , 126, 2288-9	16.4	73
631	A self-assembled multivalent pseudopolyrotaxane for binding galectin-1. <i>Journal of the American Chemical Society</i> , 2004 , 126, 11914-22	16.4	154
630	Molecule-Independent Electrical Switching in Pt/Organic Monolayer/Ti Devices. <i>Nano Letters</i> , 2004 , 4, 133-136	11.5	298
629	Meccano on the Nanoscale: Blueprint for Making Some of the World's Tiniest Machines. <i>Australian Journal of Chemistry</i> , 2004 , 57, 301	1.2	215
628	An operational supramolecular nanovalve. <i>Journal of the American Chemical Society</i> , 2004 , 126, 3370-1	16.4	417
627	Threading/dethreading processes in pseudorotaxanes. A thermodynamic and kinetic study. <i>New Journal of Chemistry</i> , 2004 , 28, 1032	3.6	55

- 626 A nanomechanical device based on linear molecular motors. *Applied Physics Letters*, **2004**, 85, 5391-5393, 3.4 189
- 625 Molecular borromean rings. *Science*, **2004**, 304, 1308-12 33.3 674
- 624 A molecular elevator. *Science*, **2004**, 303, 1845-9 33.3 929
- 623 Chemistry. Whence molecular electronics?. *Science*, **2004**, 306, 2055-6 33.3 424
- 622 Complete charge pooling is prevented in viologen-based dendrimers by self-protection. *Chemistry - A European Journal*, **2004**, 10, 6361-8 4.8 41
- 621 Helical chirality in donor-acceptor catenanes. *Organic Letters*, **2004**, 6, 1095-8 6.2 51
- 620 Versatile self-complexing compounds based on covalently linked donor-acceptor cyclophanes. *Chemistry - A European Journal*, **2004**, 11, 369-85 4.8 65
- 619 An Integrated Systems-oriented Approach to Molecular Electronics. *Springer Series in Materials Science*, **2004**, 2-25 0.9 1
- 618 Mechanically-Interlocked Molecular Systems Incorporating Cyclodextrins **2003**, 374-381
- 617 Spontaneous resolution of a non-degenerate donor-acceptor [2]catenane. *Mendeleev Communications*, **2003**, 13, 100-102 1.9 11
- 616 Single-walled carbon nanotube based molecular switch tunnel junctions. *ChemPhysChem*, **2003**, 4, 1335-9, 3.2 109
- 615 Porphyrin-Containing Glycodendrimers. *European Journal of Organic Chemistry*, **2003**, 2003, 288-294 3.2 27
- 614 Toward Chemically Controlled Nanoscale Molecular Machinery. *Angewandte Chemie*, **2003**, 115, 1529-1533, 3.6 51
- 613 Amplification of Dynamic Chiral Crown Ether Complexes During Cyclic Acetal Formation. *Angewandte Chemie*, **2003**, 115, 4352-4356 3.6 24
- 612 The Molecule-Electrode Interface in Single-Molecule Transistors. *Angewandte Chemie*, **2003**, 115, 5884-5889, 3.6 33
- 611 Diastereospecific Photochemical Dimerization of a Stilbene-Containing Daisy Chain Monomer in Solution as well as in the Solid State. *Angewandte Chemie*, **2003**, 115, 1158-1164 3.6 16
- 610 Kinetic versus thermodynamic control during the formation of [2]rotaxanes by a dynamic template-directed clipping process. *Chemistry - A European Journal*, **2003**, 9, 4046-54 4.8 76
- 609 Amphiphilic Bistable Rotaxanes. *Chemistry - A European Journal*, **2003**, 9, 2982-3007 4.8 123

608	In the twilight zone between [2]pseudorotaxanes and [2]rotaxanes. <i>Chemistry - A European Journal</i> , 2003 , 9, 4611-25	4.8	64
607	Controlling multivalent interactions in triply-threaded two-component superbundles. <i>Chemistry - A European Journal</i> , 2003 , 9, 5348-60	4.8	61
606	Dynamic chirality: keen selection in the face of stereochemical diversity in mechanically bonded compounds. <i>Chemistry - A European Journal</i> , 2003 , 9, 543-56	4.8	55
605	Toward chemically controlled nanoscale molecular machinery. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 1491-5	16.4	171
604	Amplification of dynamic chiral crown ether complexes during cyclic acetal formation. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 4220-4	16.4	74
603	The molecule-electrode interface in single-molecule transistors. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 5706-11	16.4	127
602	Diastereospecific photochemical dimerization of a stilbene-containing daisy chain monomer in solution as well as in the solid state. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 1126-32	16.4	88
601	Photochemistry of a Dumbbell-Shaped Multicomponent System Hosted Inside the Mesopores of Al/MCM-41 Aluminosilicate. Generation of Long-Lived Viologen Radicals. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 14319-14325	3.4	24
600	Dynamic multivalent lactosides displayed on cyclodextrin beads dangling from polymer strings. <i>Organic Letters</i> , 2003 , 5, 3783-6	6.2	51
599	Nanoscale molecular-switch crossbar circuits. <i>Nanotechnology</i> , 2003 , 14, 462-468	3.4	476
598	Noncovalent Side-Wall Functionalization of Single-Walled Carbon Nanotubes. <i>Macromolecules</i> , 2003 , 36, 553-560	5.5	265
597	Chemically defined sialoside scaffolds for investigation of multivalent interactions with sialic acid binding proteins. <i>Journal of Organic Chemistry</i> , 2003 , 68, 8485-93	4.2	46
596	Surface confined pseudorotaxanes with electrochemically controllable complexation properties. <i>Journal of Materials Chemistry</i> , 2003 , 13, 2111		43
595	Redox-Induced Ring Shuttling and Evidence for Folded Structures in Long and Flexible Two-Station Rotaxanes. <i>Collection of Czechoslovak Chemical Communications</i> , 2003 , 68, 1488-1514		51
594	Nanoscale molecular-switch devices fabricated by imprint lithography. <i>Applied Physics Letters</i> , 2003 , 82, 1610-1612	3.4	223
593	A Ring-in-Ring Complex. <i>Angewandte Chemie</i> , 2002 , 114, 280-284	3.6	22
592	Dynamische kovalente Chemie. <i>Angewandte Chemie</i> , 2002 , 114, 938-993	3.6	456
591	Starched Carbon Nanotubes. <i>Angewandte Chemie</i> , 2002 , 114, 2618-2622	3.6	50

- 590 Ferrocene-containing carbohydrate dendrimers. *Chemistry - A European Journal*, **2002**, 8, 673-84 4.8 103
- 589 Large oligosaccharide-based glycodendrimers. *Chemistry - A European Journal*, **2002**, 8, 2988-3000 4.8 70
- 588 An efficient approach towards the convergent synthesis of "fully-carbohydrate" mannodendrimers. *Chemistry - A European Journal*, **2002**, 8, 4412-23 4.8 31
- 587 Post-assembly processing of [2]rotaxanes. *Chemistry - A European Journal*, **2002**, 8, 5170-83 4.8 50
- 586 A ring-in-ring complex. *Angewandte Chemie - International Edition*, **2002**, 41, 270-4 16.4 61
- 585 Dynamic covalent chemistry. *Angewandte Chemie - International Edition*, **2002**, 41, 898-952 16.4 1903
- 584 Dynamic Covalent Chemistry. *Angewandte Chemie - International Edition*, **2002**, 41, 1460-1460 16.4 58
- 583 Starched carbon nanotubes. *Angewandte Chemie - International Edition*, **2002**, 41, 2508-12 16.4 529
- 582 Two-dimensional molecular electronics circuits. *ChemPhysChem*, **2002**, 3, 519-25 3.2 450
- 581 Surrogate-stoppered [2]rotaxanes: a new route to larger interlocked architectures. *Polymers for Advanced Technologies*, **2002**, 13, 777-787 3.2 31
- 580 Making molecular-necklaces from rotaxanes. *Tetrahedron*, **2002**, 58, 807-814 2.4 38
- 579 Chemical synthesis gets a fillip from molecular recognition and self-assembly processes. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 4797-800 11.5 167
- 578 Speed-Controlled Molecular Shuttles. *Collection of Czechoslovak Chemical Communications*, **2002**, 67, 1719-1728 25
- 577 Photoinduced electron transfer in a triad that can be assembled/disassembled by two different external inputs. Toward molecular-level electrical extension cables. *Journal of the American Chemical Society*, **2002**, 124, 12786-95 16.4 117
- 576 Self-assembly of dendrimers by slippage. *Organic Letters*, **2002**, 4, 3565-8 6.2 51
- 575 Reversing a rotaxane recognition motif: threading oligoethylene glycol derivatives through a dicationic cyclophane. *Journal of the American Chemical Society*, **2002**, 124, 4174-5 16.4 27
- 574 Dispersion and Solubilization of Single-Walled Carbon Nanotubes with a Hyperbranched Polymer. *Macromolecules*, **2002**, 35, 7516-7520 5.5 164
- 573 Poised on the brink between a bistable complex and a compound. *Organic Letters*, **2002**, 4, 557-60 6.2 47

572	An acid-base switchable [2]rotaxane. <i>Journal of Organic Chemistry</i> , 2002 , 67, 9175-81	4.2	131
571	Design and synthesis of glycodendrimers. <i>Reviews in Molecular Biotechnology</i> , 2002 , 90, 231-55		185
570	Translational isomerism in a [3]catenane and a [3]rotaxane. <i>Organic Letters</i> , 2002 , 4, 3561-4	6.2	40
569	Dendrimer with rotaxane-like mechanical branching. <i>Organic Letters</i> , 2002 , 4, 679-82	6.2	61
568	Interactions between Conjugated Polymers and Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 3124-3130	3.4	204
567	Molecular and supramolecular nanomachines 2002 , 641-691		
566	An hermaphroditic [c2]daisy chain. <i>Chemical Communications</i> , 2002 , 2948-9	5.8	40
565	Probing polyvalency in artificial systems exhibiting molecular recognition. <i>Journal of Organic Chemistry</i> , 2002 , 67, 7968-81	4.2	36
564	Glycodendrimers based on cellobiosyl-derived monomers. <i>Canadian Journal of Chemistry</i> , 2002 , 80, 983-991		10
563	A supramolecular approach for the formation of fullerene-phthalocyanine dyads. <i>Journal of Materials Chemistry</i> , 2002 , 12, 2095-2099		77
562	Switchable Catenanes and Molecular Shuttles 2001 , 219-248		19
561	Tetrathiafulvalene-containing pseudorotaxanes formed between dibenzylammonium salts and crown ethers. <i>Tetrahedron</i> , 2001 , 57, 947-956	2.4	17
560	Azopyridinium-Containing [2]Pseudorotaxanes and Hydrazopyridinium-Containing [2]Catenanes. <i>European Journal of Organic Chemistry</i> , 2001 , 2001, 957-965	3.2	17
559	Slow Shuttling in an Amphiphilic Bistable [2]Rotaxane Incorporating a Tetrathiafulvalene Unit. <i>Angewandte Chemie</i> , 2001 , 113, 1256-1261	3.6	38
558	Preparation and Properties of Polymer-Wrapped Single-Walled Carbon Nanotubes. <i>Angewandte Chemie</i> , 2001 , 113, 1771-1775	3.6	67
557	Template-Directed Synthesis of a [2]Rotaxane by the Clipping under Thermodynamic Control of a Crown Ether Like Macrocyclic Around a Dialkylammonium Ion. <i>Angewandte Chemie</i> , 2001 , 113, 1922-1927	3.6	45
556	Working Supramolecular Machines Trapped in Glass and Mounted on a Film Surface. <i>Angewandte Chemie</i> , 2001 , 113, 2513-2517	3.6	20
555	Host-Guest Chemistry Aids and Abets a Stereospecific Photodimerization in the Solid State. <i>Angewandte Chemie</i> , 2001 , 113, 4386-4391	3.6	17

554	Dual-mode "co-conformational" switching in catenanes incorporating bipyridinium and dialkylammonium recognition sites. <i>Chemistry - A European Journal</i> , 2001 , 7, 3482-93	4.8	68
553	Slow Shuttling in an Amphiphilic Bistable [2]Rotaxane Incorporating a Tetrathiafulvalene Unit. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 1216-1221	16.4	144
552	Preparation and Properties of Polymer-Wrapped Single-Walled Carbon Nanotubes We would like to acknowledge the following agencies and foundations for supporting various aspects of this work: the polymer synthesis and spectroscopic characterization of the nanotube-polymer complex was funded by ONR; the chemical preparation and AFM analysis of these materials was supported by the NSF; device fabrication and charge transport measurements were funded by DARPA and ONR; and the nonlinear microscopy experiments were. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 1121-1125	16.4	840
551	Template-Directed Synthesis of a [2]Rotaxane by the Clipping under Thermodynamic Control of a Crown Ether Like Macrocycle Around a Dialkylammonium Ion. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 1870-1875	16.4	149
550	Working Supramolecular Machines Trapped in Glass and Mounted on a Film Surface. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 2447-2451	16.4	97
549	Host-Guest Chemistry Aids and Abets a Stereospecific Photodimerization in the Solid State. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 4256-4261	16.4	77
548	Sugar-Coated Discotic Liquid Crystals. <i>Advanced Materials</i> , 2001 , 13, 175-180	24	37
547	The balance between electronic and steric effects in the template-directed syntheses of [2]catenanes. <i>Tetrahedron</i> , 2001 , 57, 3799-3808	2.4	17
546	Spectroscopic and Electrochemical Properties of Catenanes Containing the 2,7-Diazapyrenium Unit. <i>Supramolecular Chemistry</i> , 2001 , 13, 303-311	1.8	19
545	Supramolecular daisy chains. <i>Journal of Organic Chemistry</i> , 2001 , 66, 6857-72	4.2	128
544	Neoglycoconjugates based on cyclodextrins and calixarenes. <i>Bioconjugate Chemistry</i> , 2001 , 12, 655-72	6.3	131
543	Synthesis of cyclodextrin-based carbohydrate clusters by photoaddition reactions. <i>Journal of Organic Chemistry</i> , 2001 , 66, 8309-19	4.2	80
542	Artificial molecular-level machines. Dethreading-rethreading of a pseudorotaxane powered exclusively by light energy. <i>Chemical Communications</i> , 2001 , 1860-1	5.8	74
541	Macrocycles, pseudorotaxanes and catenanes containing a pyrrolo-tetrathiafulvalene unit: absorption spectra, luminescence properties and redox behavior. <i>New Journal of Chemistry</i> , 2001 , 25, 293-298	3.6	35
540	Controlled dethreading/rethreading of a scorpion-like pseudorotaxane and a related macrobicyclic self-complexing system. <i>New Journal of Chemistry</i> , 2001 , 25, 25-31	3.6	40
539	Binding studies between tetrathiafulvalene derivatives and cyclobis(paraquat-p-phenylene). <i>Journal of Organic Chemistry</i> , 2001 , 66, 3559-63	4.2	126
538	Molecular-based electronically switchable tunnel junction devices. <i>Journal of the American Chemical Society</i> , 2001 , 123, 12632-41	16.4	247
537	Switching devices based on interlocked molecules. <i>Accounts of Chemical Research</i> , 2001 , 34, 433-44	24.3	689

536	The magnitude of [C-H...O] hydrogen bonding in molecular and supramolecular assemblies. <i>Journal of the American Chemical Society</i> , 2001 , 123, 9264-7	16.4	194
535	Computing at the Molecular Level 2001 , 189-236		41
534	Slow Shuttling in an Amphiphilic Bistable. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 1216-1221	16.4	5
533	Template-Directed Synthesis of a. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 1870-1875	16.4	3
532	Working Supramolecular Machines Trapped in Glass and Mounted on a Film Surface We thank the National Science Foundation and the Sandia National Laboratories for supporting this research.. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 2447-2451	16.4	5
531	Thermoregulated Optical Properties of Peptidic Pseudorotaxanes. <i>Angewandte Chemie</i> , 2000 , 112, 147-149	16.4	7
530	A Self-Complexing [2]Catenane. <i>Angewandte Chemie</i> , 2000 , 112, 152-155	3.6	1
529	Thermoregulated Optical Properties of Peptidic Pseudorotaxanes. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 143-145	16.4	22
528	A Self-Complexing. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 148-151	16.4	18
527	Self-complementary. <i>Chemistry - A European Journal</i> , 2000 , 6, 2262-73	4.8	35
526	The influence of macrocyclic polyether constitution upon ammonium ion/crown ether recognition processes. <i>Chemistry - A European Journal</i> , 2000 , 6, 2274-87	4.8	79
525	A photochemically driven molecular-level abacus. <i>Chemistry - A European Journal</i> , 2000 , 6, 3558-74	4.8	267
524	Artificial Molecular Machines. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 3348-3391	16.4	2027
523	Current/Voltage Characteristics of Monolayers of Redox-Switchable [2]Catenanes on Gold. <i>Advanced Materials</i> , 2000 , 12, 1099-1102	24	107
522	Toward the synthesis of large oligosaccharide-based dendrimers. <i>ChemBioChem</i> , 2000 , 1, 70-4	3.8	33
521	The Idiosyncrasies of Tetrabenzo[24]crown-8 in the Solid State. <i>Tetrahedron</i> , 2000 , 56, 6675-6681	2.4	38
520	The reversible complexation of a tetrathiafulavene functionalised self-assembled monolayer by cyclobis(paraquat-p-phenylene). <i>Tetrahedron Letters</i> , 2000 , 41, 8163-8166	2	18
519	Constructing Molecular Machinery: A Chemically-Switchable [2]Catenane. <i>Journal of the American Chemical Society</i> , 2000 , 122, 3542-3543	16.4	114

518	Tribenzo. <i>Organic Letters</i> , 2000 , 2, 61-4	6.2	28
517	A. <i>Science</i> , 2000 , 289, 1172-5	33.3	1195
516	Switching of pseudorotaxanes and catenanes incorporating a tetrathiafulvalene unit by redox and chemical inputs. <i>Journal of Organic Chemistry</i> , 2000 , 65, 1924-36	4.2	214
515	A molecular meccano kit. <i>Dalton Transactions RSC</i> , 2000 , 3715-3734		129
514	An extremely stable interwoven supramolecular bundle. <i>Organic Letters</i> , 2000 , 2, 1221-4	6.2	27
513	A rotaxane-like complex with controlled-release characteristics. <i>Organic Letters</i> , 2000 , 2, 3631-4	6.2	52
512	Toward Daisy Chain Polymers: "Wittig Exchange" of Stoppers in. <i>Organic Letters</i> , 2000 , 2, 759-762	6.2	91
511	Introduction of [2]Catenanes into Langmuir Films and Langmuir-Blodgett Multilayers. A Possible Strategy for Molecular Information Storage Materials. <i>Langmuir</i> , 2000 , 16, 1924-1930	4	61
510	The electrochemically-driven decomplexation/recomplexation of inclusion adducts of ferrocene derivatives with an electron-accepting receptor. <i>Journal of Organic Chemistry</i> , 2000 , 65, 1947-56	4.2	28
509	Ammonium ion binding with pyridine-containing crown ethers. <i>Organic Letters</i> , 2000 , 2, 2947-50	6.2	42
508	Dynamic hemicarcerands and hemicarceplexes. <i>Organic Letters</i> , 2000 , 2, 2411-4	6.2	96
507	Tetrathiafulvalenenaphthalenophanes: planar chirality and cis/trans photoisomerization. <i>Journal of Organic Chemistry</i> , 2000 , 65, 4120-6	4.2	34
506	Supramolecular phthalocyanine dimers based on the secondary dialkylammonium cation/dibenzo-24-crown-8 recognition motif. <i>Organic Letters</i> , 2000 , 2, 1057-60	6.2	41
505	Fabrication and Transport Properties of Single-Molecule-Thick Electrochemical Junctions. <i>Journal of the American Chemical Society</i> , 2000 , 122, 5831-5840	16.4	152
504	Self-assembly of an amphiphilic. <i>Organic Letters</i> , 2000 , 2, 3547-50	6.2	45
503	Heterosupramolecular Chemistry: Recognition Initiated and Inhibited Silver Nanocrystal Aggregation by Pseudorotaxane Assembly. <i>Journal of the American Chemical Society</i> , 2000 , 122, 6252-6257	16.4	71
502	Cyclodextrin-based carbohydrate clusters by amide bond formation. <i>Israel Journal of Chemistry</i> , 2000 , 40, 325-333	3.4	10
501	Precision Molecular Grafting: Exchanging Surrogate Stoppers in [2]Rotaxanes. <i>Journal of the American Chemical Society</i> , 2000 , 122, 164-165	16.4	80

500	Toward interlocked molecules beyond catenanes and rotaxanes. <i>Organic Letters</i> , 2000 , 2, 2943-6	6.2	24
499	Molecular shuttles by the protecting group approach. <i>Journal of Organic Chemistry</i> , 2000 , 65, 1937-46	4.2	89
498	An efficient synthesis of cyclodextrin-based carbohydrate cluster compounds. <i>Organic Letters</i> , 2000 , 2, 1113-6	6.2	75
497	Novel ether-linked secondary face-to-face 2-2' and 3-3' beta-cyclodextrin dimers. <i>Journal of Organic Chemistry</i> , 2000 , 65, 2792-6	4.2	43
496	A Simple and Efficient Method for the Preparation of 1-Benzyloxy-5-hydroxynaphthalene. <i>Synlett</i> , 1999 , 1999, 330-332	2.2	12
495	Hydrodynamic properties of carbohydrate-coated dendrimers. <i>Carbohydrate Polymers</i> , 1999 , 38, 195-202	10.3	26
494	Secondary dibenzylammonium ion binding by [24]crown-8 and [25]crown-8 macrocycles. <i>Tetrahedron Letters</i> , 1999 , 40, 3661-3664	2	47
493	A new protocol for rotaxane synthesis. <i>Tetrahedron Letters</i> , 1999 , 40, 3669-3672	2	45
492	Interwoven supramolecular arrays via the noncovalent polymerization of pseudorotaxanes. <i>Coordination Chemistry Reviews</i> , 1999 , 183, 139-155	23.2	52
491	X-ray Crystallographic Studies on the Noncovalent Syntheses of Supermolecules. <i>Structural Chemistry</i> , 1999 , 10, 243-259	1.8	18
490	Molecular Meccano, 48 Probing Co-Conformational Changes in Chiral [2]Rotaxanes by ¹ H-NMR Spectroscopy. <i>European Journal of Organic Chemistry</i> , 1999 , 1999, 899-908	3.2	25
489	Pseudorotaxanes and Catenanes Containing a Redox-Active Unit Derived from Tetrathiafulvalene. <i>European Journal of Organic Chemistry</i> , 1999 , 1999, 985-994	3.2	50
488	Diastereoselective Self-Assembly of [2]Catenanes. <i>European Journal of Organic Chemistry</i> , 1999 , 1999, 995-1004	3.2	34
487	Template-Directed Synthesis of a Rotacatenane. <i>European Journal of Organic Chemistry</i> , 1999 , 1999, 1295-1302	3.2	32
486	Heterosupramolekulare Chemie: programmierte Pseudorotaxan-Selbstorganisation an einer Nanokristalloberfläche. <i>Angewandte Chemie</i> , 1999 , 111, 1220-1224	3.6	6
485	Photoactive Azobenzene-Containing Supramolecular Complexes and Related Interlocked Molecular Compounds. <i>Chemistry - A European Journal</i> , 1999 , 5, 860-875	4.8	82
484	Heterosupramolecular chemistry: programmed pseudorotaxane assembly at the surface of a nanocrystal. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 1147-50	16.4	84
483	Interlocked Macromolecules. <i>Chemical Reviews</i> , 1999 , 99, 1643-1664	68.1	648

- 482 The self-assembly of fullerene-containing [2]pseudorotaxanes: formation of a supramolecular C60 dimer. *Journal of the Chemical Society Perkin Transactions II*, **1999**, 1577-1586 59
- 481 Triphenylphosphonium-Stoppered [2]Rotaxanes. *Organic Letters*, **1999**, 1, 129-132 6.2 75
- 480 Electronically configurable molecular-based logic gates. *Science*, **1999**, 285, 391-4 33.3 1311
- 479 Diazapyrenium-containing catenanes and rotaxanes. *New Journal of Chemistry*, **1999**, 23, 587-602 3.6 59
- 478 A Three-Pole Supramolecular Switch \square *Journal of the American Chemical Society*, **1999**, 121, 3951-3957 16.4 228
- 477 Organic Template-Directed Syntheses of Catenanes, Rotaxanes, and Knots **1999**, 143-176 11
- 476 [C₆₀⊂C₆₀] Interactions as a Control Element in Supramolecular Complexes: Experimental and Theoretical Evaluation of Receptor Affinities for the Binding of Bipyridinium-Based Guests by Catenated Hosts¹. *Journal of the American Chemical Society*, **1999**, 121, 1479-1487 16.4 177
- 475 Rotaxane construction with a binaphthol-derived crown ether. *Chemical Communications*, **1999**, 1251-1252 5.8 26
- 474 Anion-Orchestrated Formation in the Crystalline State of [2]Pseudorotaxane Arrays. *Organic Letters*, **1999**, 1, 1917-1920 6.2 25
- 473 Rotaxane Formation under Thermodynamic Control. *Organic Letters*, **1999**, 1, 1363-1366 6.2 98
- 472 Thermodynamic Synthesis of Rotaxanes by Imine Exchange. *Organic Letters*, **1999**, 1, 1913-1916 6.2 73
- 471 (Supra)molecular systems based on crown ethers and secondary dialkylammonium ions. *Advances in Supramolecular Chemistry*, **1999**, 1-53 61
- 470 Rotaxane or Pseudorotaxane? That Is the Question! \square *Journal of the American Chemical Society*, **1998**, 120, 2297-2307 16.4 252
- 469 Synthetic Cyclic Oligosaccharides. *Chemical Reviews*, **1998**, 98, 1919-1958 68.1 109
- 468 Dendrimers Branching out from curiosities into new technologies. *Progress in Polymer Science*, **1998**, 23, 1-56 29.6 543
- 467 A Poly(bis[2]catenane) Containing a Combination of Covalent, Mechanical, and Coordinative Bonds. *Advanced Materials*, **1998**, 10, 1366-1369 24 50
- 466 Self-Assembly and Self-Organization of Self-Recognizing Cyclophanes. *European Journal of Organic Chemistry*, **1998**, 1998, 969-981 3.2 12
- 465 . *European Journal of Organic Chemistry*, **1998**, 1998, 983-986 3.2 17

464	Synthesis of Spacer-Armed Glucodendrimers Based on the Modification of Poly(propylene Imine) Dendrimers. <i>European Journal of Organic Chemistry</i> , 1998 , 1998, 1879-1886	3.2	25
463	Main-Chain and Pendant Poly([2]catenane)s Incorporating Complementary Electron-Rich and -Deficient Components. <i>European Journal of Organic Chemistry</i> , 1998 , 1998, 2109-2117	3.2	39
462	High Yielding Template-Directed Syntheses of [2]Rotaxanes 1998 , 1998, 2565-2571		47
461	Supramolekulare Geseblchenketten durch Selbstorganisation. <i>Angewandte Chemie</i> , 1998 , 110, 2016-2019	3.19	24
460	Self-Assembling Cyclophanes and Catenanes Possessing Elements of Planar Chirality. <i>Chemistry - A European Journal</i> , 1998 , 4, 299-310	4.8	35
459	The Synthesis and Spectroscopic Properties of Macrocyclic Polyethers Containing Two Different Aromatic Moieties and Their [2]Catenanes Incorporating Cyclobis(paraquat-p-phenylene). <i>Chemistry - A European Journal</i> , 1998 , 4, 449-459	4.8	22
458	Kinetic and Thermodynamic Effects in the Self-Assembly of [3]Catenanes in the Solution and Solid States. <i>Chemistry - A European Journal</i> , 1998 , 4, 460-468	4.8	30
457	Combining Different Hydrogen-Bonding Motifs To Self-Assemble Interwoven Superstructures. <i>Chemistry - A European Journal</i> , 1998 , 4, 577-589	4.8	42
456	Cyclophanes and [2]Catenanes as Ligands for Transition Metal Complexes: Synthesis, Structure, Absorption Spectra, and Excited State and Electrochemical Properties. <i>Chemistry - A European Journal</i> , 1998 , 4, 590-607	4.8	52
455	The Synthesis and Characterization of a New Family of Polyamide Dendrimers. <i>Chemistry - A European Journal</i> , 1998 , 4, 781-795	4.8	36
454	Synthesis of Oligosaccharide Dendrimers. <i>Chemistry - A European Journal</i> , 1998 , 4, 1244-1254	4.8	49
453	Supramolecular Science Where it is and where it is going. <i>Chemistry - A European Journal</i> , 1998 , 4, 1349-1351	4.8	50
452	Doubly Docked Pseudorotaxanes. <i>Chemistry - A European Journal</i> , 1998 , 4, 1523-1534	4.8	41
451	Selective Self-Assembly and Acid/Base Controlled De-/Rethreading of Pseudorotaxanes Constructed Using Multiple Recognition Motifs. <i>Chemistry - A European Journal</i> , 1998 , 4, 2332-2341	4.8	32
450	RuII-Polypyridine Complexes Covalently Linked to Electron Acceptors as Wires for Light-Driven Pseudorotaxane-Type Molecular Machines. <i>Chemistry - A European Journal</i> , 1998 , 4, 2413-2422	4.8	68
449	A Chemically and Electrochemically Switchable [2]Catenane Incorporating a Tetrathiafulvalene Unit. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 333-337	16.4	280
448	A Molecular Chameleon: Chromophoric Sensing by a Self-Complexing Molecular Assembly. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 975-979	16.4	33
447	Supramolecular Daisy Chains. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 1294-1297	16.4	158

- 446 Self-Assembling Supramolecular Daisy Chains. *Angewandte Chemie - International Edition*, **1998**, 37, 1913-1916 103
- 445 Noncovalent synthesis of donor/acceptor stacks. *Tetrahedron Letters*, **1998**, 39, 5155-5158 2 5
- 444 A new slippage synthesis. *Tetrahedron Letters*, **1998**, 39, 5455-5458 2 31
- 443 Self-assembling supermolecules and supramolecular arrays based on metal coordination. *Current Opinion in Colloid and Interface Science*, **1998**, 3, 150-159 7.6 17
- 442 Aggregation of self-assembling branched [n]rotaxanes. *New Journal of Chemistry*, **1998**, 22, 959-972 3.6 58
- 441 Novel clay-like and helical superstructures generated using arene-arene interactions. *New Journal of Chemistry*, **1998**, 22, 155-157 3.6 7
- 440 Simple molecular-level machines. Interchange between different threads in pseudorotaxanes. *New Journal of Chemistry*, **1998**, 22, 1061-1065 3.6 76
- 439 Hammett correlations beyond the molecule. *Journal of the Chemical Society Perkin Transactions II*, **1998**, 2117-2128 87
- 438 Stable Langmuir and Langmuir-Blodgett Films of Fullerene-Dendron Conjugates. *Langmuir*, **1998**, 14, 1955-1959 4 136
- 437 The Mechanism of the Slippage Approach to Rotaxanes. Origin of the All-or-Nothing Substituent Effect. *Journal of the American Chemical Society*, **1998**, 120, 9318-9322 16.4 128
- 436 Self-Assembly of Functionalized [2]Catenanes Bearing a Reactive Functional Group on either One or Both Macrocyclic Components From Monomeric [2]Catenanes to Polycatenanes. *Macromolecules*, **1998**, 31, 295-307 5.5 68
- 435 Oligocatenanes Made to Order. *Journal of the American Chemical Society*, **1998**, 120, 4295-4307 16.4 134
- 434 Constitutionally Asymmetric and Chiral [2]Pseudorotaxanes. *Journal of the American Chemical Society*, **1998**, 120, 920-931 16.4 44
- 433 Origins of Selectivity in Molecular and Supramolecular Entities: Solvent and Electrostatic Control of the Translational Isomerism in [2]Catenanes. *Journal of Organic Chemistry*, **1998**, 63, 6523-6528 4.2 61
- 432 A Light-Fueled Piston Cylinder Molecular-Level Machine. *Journal of the American Chemical Society*, **1998**, 120, 11190-11191 16.4 104
- 431 Synthesis and Biological Evaluation of β -D-Mannopyranoside-Containing Dendrimers. *Journal of Organic Chemistry*, **1998**, 63, 3429-3437 4.2 103
- 430 Acid-Base Controllable Molecular Shuttles. *Journal of the American Chemical Society*, **1998**, 120, 11932-11942 16.4 308
- 429 Molecular Machines. *Accounts of Chemical Research*, **1998**, 31, 405-414 24.3 671

- 428 Acid/Base-controlled supramolecular switch. *New Journal of Chemistry*, **1998**, 22, 1131-1134 3.6 27
- 427 Cyclodextrin-Based Catenanes and Rotaxanes. *Chemical Reviews*, **1998**, 98, 1959-1976 68.1 802
- 426 Concept transfer from the life sciences into materials science. *Pure and Applied Chemistry*, **1998**, 70, 419-424 14
- 425 Supramolecular Synthesis with Carboxyl-Substituted Secondary Dialkylammonium Salts and Macrocyclic Polyethers **1998**, 333-336
- 424 Macrocyclic Polyethers as Ditopic Co-Receptors for Dual-Centred Secondary Dialkylammonium Guests: from Double-Stranded to Single-Stranded Pseudorotaxanes **1998**, 491-494
- 423 Towards Rotaxane-Based Metal-Ion Sensors **1998**, 411-414
- 422 Combining Different Hydrogen-Bonding Motifs To Self-Assemble Interwoven Superstructures **1998**, 4, 577 1
- 421 Rull-Polypyridine Complexes Covalently Linked to Electron Acceptors as Wires for Light-Driven Pseudorotaxane-Type Molecular Machines **1998**, 4, 2413 1
- 420 A Chemically and Electrochemically Switchable [2]Catenane Incorporating a Tetrathiafulvalene Unit **1998**, 37, 333 1
- 419 A Poly(bis[2]catenane) Containing a Combination of Covalent, Mechanical, and Coordinative Bonds **1998**, 10, 1366 1
- 418 Towards a Molecular Anchor Chain. Synthesis and Catenations of Spiro Crown Ethers. *Synthesis*, **1997**, 1997, 480-488 2.9 9
- 417 Slippage - a simple and efficient way to self-assemble [n]rotaxanes. *Pure and Applied Chemistry*, **1997**, 69, 1987-1998 2.1 51
- 416 Template-Directed Syntheses of Catenanes. *Collection of Czechoslovak Chemical Communications*, **1997**, 62, 527-557 31
- 415 Thiamacrocyclic chemistry: synthesis of a novel oxadithiacrown and its copper iodide complex. *Journal of the Chemical Society Dalton Transactions*, **1997**, 1493-1496 27
- 414 Detecting a transition-metal ammine at tailored surfaces. *Journal of Materials Chemistry*, **1997**, 7, 1147-1154 4
- 413 The Slipping Approach to Self-Assembling [n]Rotaxanes *Journal of the American Chemical Society*, **1997**, 119, 302-310 16.4 131
- 412 A Supramolecular Analog of the Photosynthetic Special Pair. *Journal of the American Chemical Society*, **1997**, 119, 8119-8120 16.4 46
- 411 Controlling Catenations, Properties and Relative Ring-Component Movements in Catenanes with Aromatic Fluorine Substituents *Journal of the American Chemical Society*, **1997**, 119, 12503-12513 16.4 63

410	Multiply Stranded and Multiply Encircled Pseudorotaxanes <i>Journal of the American Chemical Society</i> , 1997 , 119, 12514-12524	16.4	47
409	Recognition of Bipyridinium-Based Derivatives by Hydroquinone- and/or Dioxynaphthalene-Based Macrocyclic Polyethers: From Inclusion Complexes to the Self-Assembly of [2]Catenanes. <i>Journal of Organic Chemistry</i> , 1997 , 62, 26-37	4.2	84
408	Synthetic Supramolecular Chemistry. <i>Accounts of Chemical Research</i> , 1997 , 30, 393-401	24.3	574
407	Hydrogen-Bonded Complexes of Aromatic Crown Ethers with (9-Anthracenyl)methylammonium Derivatives. Supramolecular Photochemistry and Photophysics. pH-Controllable Supramolecular Switching <i>Journal of the American Chemical Society</i> , 1997 , 119, 10641-10651	16.4	99
406	Translational Isomerism in Some Two- and Three-Station [2]Rotaxanes. <i>Journal of Organic Chemistry</i> , 1997 , 62, 3062-3075	4.2	27
405	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	16.4	463
404	Structure-Reactivity Relationship in Interlocked Molecular Compounds and in Their Supramolecular Model Complexes <i>Journal of the American Chemical Society</i> , 1997 , 119, 2614-2627	16.4	38
403	A self-complexing macrocycle acting as a chromophoric receptor. <i>Tetrahedron Letters</i> , 1997 , 38, 3635-3638		25
402	Self-assembly of a water-soluble [2]rotaxane with carbohydrate stoppers. <i>Tetrahedron Letters</i> , 1997 , 38, 5691-5694	2	23
401	Synthesis of Carbohydrate-Containing Dendrimers. 5. Preparation of Dendrimers Using Unprotected Carbohydrates. <i>Tetrahedron Letters</i> , 1997 , 38, 6767-6770	2	34
400	An Interwoven Supramolecular Cage. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 59-62		33
399	A Convergent Synthesis of a Carbohydrate-Containing Dendrimer. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 732-735		62
398	Supramolecular Weaving. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 735-739		55
397	Self-Assembly of the First Fullerene-Containing [2]Catenane. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 1448-1451		52
396	Carbohydrate Nanotubes. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 1451-1454		91
395	The Self-Assembly of a Switchable [2]Rotaxane. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 1904-1907		148
394	Anion-Assisted Self-Assembly. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 2068-2070		140
393	The Five-Stage Self-Assembly of a Branched Heptacatenane. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 2070-2072		98

392	Polycationic Dendrimers. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 2781-2783		22
391	Synthese eines nichtkovalent verflochtenen supramolekularen Kföigs. <i>Angewandte Chemie</i> , 1997 , 109, 59-62	3.6	10
390	Konvergente Synthese von Dendrimern mit Kohlenhydrat-Einheiten. <i>Angewandte Chemie</i> , 1997 , 109, 756-759	3.6	18
389	Supramolekulares "Weben" <i>Angewandte Chemie</i> , 1997 , 109, 760-763	3.6	11
388	Aufbau des ersten Fulleren-haltigen [2]Catenans durch Selbstorganisation. <i>Angewandte Chemie</i> , 1997 , 109, 1611-1614	3.6	11
387	Kohlenhydrat-Nanoröhren. <i>Angewandte Chemie</i> , 1997 , 109, 1615-1617	3.6	21
386	Selbstaufbau eines schaltbaren [2]Rotaxans. <i>Angewandte Chemie</i> , 1997 , 109, 1991-1994	3.6	39
385	Anionenunterstützte Selbstorganisation. <i>Angewandte Chemie</i> , 1997 , 109, 2158-2160	3.6	38
384	Molecular Meccano, 27. A Template-directed Synthesis of a Molecular Trefoil Knot. <i>Liebigs Annalen</i> , 1997 , 1997, 2485-2494		85
383	Simple Mechanical Molecular and Supramolecular Machines: Photochemical and Electrochemical Control of Switching Processes. <i>Chemistry - A European Journal</i> , 1997 , 3, 152-170	4.8	182
382	Self-Assembly of Novel [2]Catenanes and [2]Pseudorotaxanes Incorporating Thiacyclic Ethers or Their Acyclic Analogues. <i>Chemistry - A European Journal</i> , 1997 , 3, 772-787	4.8	26
381	A Novel Type of Isomerism in [3]Catenanes. <i>Chemistry - A European Journal</i> , 1997 , 3, 788-798	4.8	31
380	Synthesis of Glycodendrimers by Modification of Poly(propylene imine) Dendrimers. <i>Chemistry - A European Journal</i> , 1997 , 3, 974-984	4.8	122
379	Toward Controllable Molecular Shuttles. <i>Chemistry - A European Journal</i> , 1997 , 3, 1113-1135	4.8	129
378	Molecular and Supramolecular Synthesis with Dibenzofuran-Containing Systems. <i>Chemistry - A European Journal</i> , 1997 , 3, 1136-1150	4.8	38
377	Synthetic Carbohydrate-Containing Dendrimers. <i>Chemistry - A European Journal</i> , 1997 , 3, 1193-1199	4.8	124
376	Achiral Cyclodextrin Analogues. <i>Chemistry - A European Journal</i> , 1997 , 3, 1299-1314	4.8	29
375	Controlling Self-Assembly. <i>Chemistry - A European Journal</i> , 1997 , 3, 1933-1940	4.8	115

- 374 Electrochemically Induced Molecular Motions in Pseudorotaxanes: A Case of Dual-Mode (Oxidative and Reductive) Dethreading. *Chemistry - A European Journal*, **1997**, 3, 1992-1996 4.8 134
- 373 π -INTERACTIONS IN SELF-ASSEMBLY. *Journal of Physical Organic Chemistry*, **1997**, 10, 254-272 2.1 344
- 372 Building supramolecular nanostructures on surfaces: the influence of the substrate. *Chemical Physics Letters*, **1997**, 279, 209-214 2.5 21
- 371 Self-Assembly in Chemical Systems **1997**, 495-511 1
- 370 New Modules \square New Families of Interlocked Molecules **1997**, 609-622
- 369 Discussion of the Harada and Meijer Lectures **1997**, 385-396
- 368 Molecular Machines **1997**, 513-528
- 367 Self-assembly in chemical systems. *Pure and Applied Chemistry*, **1996**, 68, 1255-1260 2.1 17
- 366 Syntheses of Ligands Containing Two and Three 2,2-(Bisamino)diphenyl Ether Units Designed for Molecular Self-Assembly on Lithiation. *Synthesis*, **1996**, 1996, 930-940 2.9 13
- 365 Self-assembling cyclobis(paraquat-4,4'-biphenylene). *Pure and Applied Chemistry*, **1996**, 68, 313-322 2.1 56
- 364 Self-Assembly of [n]Rotaxanes Bearing Dendritic Stoppers?. *Journal of the American Chemical Society*, **1996**, 118, 12012-12020 16.4 111
- 363 Amino Acid Derivatives of β -Cyclodextrin. *Journal of Organic Chemistry*, **1996**, 61, 903-908 4.2 231
- 362 A Novel Fluorine-Containing [2]Catenane. *Journal of Organic Chemistry*, **1996**, 61, 4504-4505 4.2 36
- 361 Dipotassium Complex of Per-3,6-anhydro- β -Cyclodextrin. *Journal of Organic Chemistry*, **1996**, 61, 9553-9555 4.2 20
- 360 Enantioselective Recognition of Amino Acids by Axially-Chiral π -Electron-Deficient Receptors. *Journal of Organic Chemistry*, **1996**, 61, 7234-7235 4.2 33
- 359 Chromatography of mechanically interlocked molecular compounds. *Analytical Chemistry*, **1996**, 68, 3879-3881 4
- 358 Self-Assembly, Spectroscopic, and Electrochemical Properties of [n]Rotaxanes1. *Journal of the American Chemical Society*, **1996**, 118, 4931-4951 16.4 173
- 357 Improved Template-Directed Synthesis of Cyclobis(paraquat-p-phenylene). *Journal of Organic Chemistry*, **1996**, 61, 9591-9595 4.2 183

356	A Switchable Hybrid [2]-Catenane Based on Transition Metal Complexation and π -Electron Donor-Acceptor Interactions. <i>Journal of the American Chemical Society</i> , 1996 , 118, 3905-3913	16.4	93
355	The genesis of a new range of interlocked molecules. <i>Chemical Communications</i> , 1996 , 1483	5.8	72
354	The self-assembly and metal-mediated disassembly of a multi-topic [2]pseudorotaxane. <i>Chemical Communications</i> , 1996 , 479	5.8	10
353	The template-directed synthesis of cyclobis(paraquat-4,4'-biphenylene). <i>Chemical Communications</i> , 1996 , 487-490	5.8	20
352	The self-assembly of some novel [2]rotaxanes and their alkali metal cation complexation. <i>Chemical Communications</i> , 1996 , 483	5.8	12
351	The self-assembly of a complex with a [3]pseudorotaxane superstructure. <i>Chemical Communications</i> , 1996 , 1387	5.8	17
350	Functionalized [2]Rotaxanes. <i>Israel Journal of Chemistry</i> , 1996 , 36, 329-340	3.4	8
349	Towards supramolecular polymers. <i>Macromolecular Symposia</i> , 1996 , 102, 1-8	0.8	8
348	The art and science of self-assembling molecular machines. <i>Nanotechnology</i> , 1996 , 7, 183-192	3.4	99
347	Template-Directed Syntheses of Rotaxanes. <i>Collection of Czechoslovak Chemical Communications</i> , 1996 , 61, 1-43		51
346	Hydrogen-bonded pseudopolyrotaxanes. <i>Advanced Materials</i> , 1996 , 8, 37-41	24	42
345	Bifunctional homopolymeric hydrogen-bonded tapes. <i>Advanced Materials</i> , 1996 , 8, 564-567	24	15
344	Die Auswirkung spannungsinduzierender, bicyclischer Anellierung auf Benzol Die Strukturen von einem Triphenylen- und zwei Anthracen-Derivaten. <i>Angewandte Chemie</i> , 1996 , 108, 347-349	3.6	7
343	Ein Prototyp eines optisch reagierenden molekularen Schalters auf Pseudorotaxan-Basis. <i>Angewandte Chemie</i> , 1996 , 108, 1053-1056	3.6	11
342	Einfache molekulare Maschinen: chemisch gesteuertes Ausfüllen und Rückeffüllen eines [2]Pseudorotaxans. <i>Angewandte Chemie</i> , 1996 , 108, 1056-1059	3.6	21
341	Selbstorganisation in natürlichen und in nichtnatürlichen Systemen. <i>Angewandte Chemie</i> , 1996 , 108, 1242-1286	3.6	382
340	Thermodynamisch kontrollierte Selbstorganisation von Pseudorotaxanen und Pseudopolyrotaxanen mit unterschiedlichen selbstselektiven Erkennungsmotiven. <i>Angewandte Chemie</i> , 1996 , 108, 2058-2061	3.6	15
339	Bis[2]catenanes and a bis[2]rotaxane Model Compounds for Polymers with Mechanically Interlocked Components. <i>Chemistry - A European Journal</i> , 1996 , 2, 31-44	4.8	79

338	Synthetic Cyclic Oligosaccharides-Syntheses and Structural Properties of a Cyclo[(1 -i 4)- β -rhamnopyranosyl-(1 -i4)- β -D-mannopyranosyl]trioside and -tetraoside. <i>Chemistry - A European Journal</i> , 1996 , 2, 580-591	4.8	59
337	Pseudorotaxanes Formed Between Secondary Dialkylammonium Salts and Crown Ethers. <i>Chemistry - A European Journal</i> , 1996 , 2, 709-728	4.8	299
336	Self-assembling [2]- and [3]Rotaxanes from Secondary Dialkylammonium Salts and Crown Ethers. <i>Chemistry - A European Journal</i> , 1996 , 2, 729-736	4.8	155
335	Cyclobis(Paraquat-4,4'-Biphenylene) β n Organic Molecular Square. <i>Chemistry - A European Journal</i> , 1996 , 2, 877-893	4.8	79
334	A Convergent Synthesis of Carbohydrate-Containing Dendrimers. <i>Chemistry - A European Journal</i> , 1996 , 2, 1115-1128	4.8	115
333	Second-Sphere Coordination. <i>Chemische Berichte</i> , 1996 , 129, 981-990		61
332	Effects of Strained Bicyclic Annulation on the Benzene Nucleus: The X-Ray Crystal Structures of a Triphenylene and Two Anthracene Derivatives. <i>Angewandte Chemie International Edition in English</i> , 1996 , 35, 339-341		25
331	Prototype of an Optically Responsive Molecular Switch Based on Pseudorotaxane. <i>Angewandte Chemie International Edition in English</i> , 1996 , 35, 976-978		58
330	Simple Molecular Machines: Chemically Driven Unthreading and Rethreading of a [2]Pseudorotaxane. <i>Angewandte Chemie International Edition in English</i> , 1996 , 35, 978-981		85
329	Self-Assembly in Natural and Unnatural Systems. <i>Angewandte Chemie International Edition in English</i> , 1996 , 35, 1154-1196		1647
328	Thermodynamically Controlled Self-Assembly of Pseudorotaxanes and Pseudopolyrotaxanes with Different Recognition Motifs Operating Self-Selectively. <i>Angewandte Chemie International Edition in English</i> , 1996 , 35, 1930-1933		62
327	The solid state structures of a [3]rotaxane and its [3]pseudorotaxane precursor. <i>Tetrahedron Letters</i> , 1996 , 37, 6217-6220	2	23
326	Self-assembling wholly synthetic systems. <i>Current Opinion in Colloid and Interface Science</i> , 1996 , 1, 116-126		20
325	Self-Assembly in Chemical Synthesis 1996 , 381-401		1
324	Mechanically-Interlocked Molecules: Prototypes of Molecular Machinery 1996 , 33-51		2
323	Switchable Interlocked Molecules, Threaded Complexes and Interlocking in Crystals 1996 , 65-83		2
322	Towards Controllable [2]Catenanes and [2]Rotaxanes 1996 , 85-106		2
321	Making Unnatural Products by Natural Means 1996 , 475-510		

320 Towards Molecular Devices **1996**, 99-112

319	Self-assembly in the metallation of bis(aminoaryl) ethers. <i>Tetrahedron</i> , 1995 , 51, 579-590	2.4	4
318	Macrocyclic polyethers incorporating resorcinol residues as templates for cyclobis(paraquat-p-phenylene) in the self-assembly of [2]catenanes. <i>Supramolecular Chemistry</i> , 1995 , 5, 5-8	1.8	12
317	Self-Assembly: Whither and Thither Molecular Machines 1995 , 225-228		1
316	Self-assembly in chemical synthesis. <i>Supramolecular Chemistry</i> , 1995 , 6, 11-27	1.8	11
315	Molecular Meccano. 2. Self-Assembly of [n]Catenanes. <i>Journal of the American Chemical Society</i> , 1995 , 117, 1271-1293	16.4	237
314	A Novel Approach to the Synthesis of Some Chemically-Modified Cyclodextrins. <i>Journal of Organic Chemistry</i> , 1995 , 60, 3898-3903	4.2	52
313	Supported Monolayers Containing Preformed Binding Sites. Synthesis and Interfacial Binding Properties of a Thiolated .beta.-Cyclodextrin Derivative. <i>Journal of the American Chemical Society</i> , 1995 , 117, 336-343	16.4	375
312	Molecular Meccano. 3. Constitutional and Translational Isomerism in [2]Catenanes and [n]Pseudorotaxanes. <i>Journal of the American Chemical Society</i> , 1995 , 117, 11142-11170	16.4	48
311	Interlocked and Intertwined Structures and Superstructures. <i>Chemical Reviews</i> , 1995 , 95, 2725-2828	68.1	1387
310	Cyclophanes with self-recognising components. <i>Journal of the Chemical Society Chemical Communications</i> , 1995 , 2541		8
309	The controlled self-assembly of a [3]rotaxane incorporating three constitutionally different components. <i>Journal of the Chemical Society Chemical Communications</i> , 1995 , 747-750		36
308	The self-assembly of branched [n]rotaxanes—the first step towards dendritic rotaxanes. <i>Journal of the Chemical Society Chemical Communications</i> , 1995 , 751-753		49
307	The synthesis and structural mapping of unsymmetrical chemically modified β -cyclodextrins by high-field nuclear magnetic resonance spectroscopy. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1995 , 1263-1277		8
306	Towards mechanically-linked polymers. <i>Macromolecular Symposia</i> , 1995 , 98, 527-540	0.8	9
305	Kontrolle der Translationsisomerie in [2] Catenanen. <i>Angewandte Chemie</i> , 1995 , 107, 607-610	3.6	8
304	Molekulare Mosaiken I—ein quadratisches Cyclophan und sein Einschlußkomplex mit Ferrocen. <i>Angewandte Chemie</i> , 1995 , 107, 1994-1997	3.6	13
303	Dialkylammonium-Ionen/Kronenether-Komplexe: Vorläufer einer neuen Familie mechanisch verknüpfter Moleküle. <i>Angewandte Chemie</i> , 1995 , 107, 1997-2001	3.6	71

302	Doppelring- und Doppelachsen-Pseudorotaxane. <i>Angewandte Chemie</i> , 1995 , 107, 2001-2004	3.6	21
301	Kinetische Selektion bei der templatgesteuerten Selbstorganisation von [2]Catenanen. <i>Angewandte Chemie</i> , 1995 , 107, 2569-2572	3.6	9
300	Catenated Cyclodextrins. <i>Chemistry - A European Journal</i> , 1995 , 1, 33-55	4.8	81
299	Controlling Translational Isomerism in [2]Catenanes. <i>Angewandte Chemie International Edition in English</i> , 1995 , 34, 571-574		31
298	Molecular Mosaics Formed by a Square Cyclophane and Its Inclusion Complex with Ferrocene. <i>Angewandte Chemie International Edition in English</i> , 1995 , 34, 1862-1865		45
297	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		338
296	Doubly Encircled and Double-Stranded Pseudorotaxanes. <i>Angewandte Chemie International Edition in English</i> , 1995 , 34, 1869-1871		103
295	Kinetic Selection in the Template-Directed Self-Assembly of [2]Catenanes. <i>Angewandte Chemie International Edition in English</i> , 1995 , 34, 2378-2380		33
294	Towards Molecular and Supramolecular Devices 1995 , 1-8		2
293	The Self-Assembly of Redox-Active and Photo-Active Catenanes and Rotaxanes 1995 , 1-28		5
292	Advantages of the Rotaxane Framework for the Construction of Switchable Molecular Devices 1995 , 29-40		5
291	Molecular Recognition by Catenated Structures 1995 , 33-40		
290	Template-Directed Syntheses of a Bis[2]catenane and a Bis[2]rotaxane - Towards Self-Assembling Polymers. <i>Synlett</i> , 1994 , 1994, 789-792	2.2	16
289	The Design and Self-Assembly of a Furan-Containing [2]Catenane. <i>Synlett</i> , 1994 , 1994, 1059-1062	2.2	5
288	The Self-Assembly and Dynamic Properties of Thiophene-Containing [2]Catenanes. <i>Synthesis</i> , 1994 , 1994, 1344-1352	2.9	19
287	The Design and Self-Assembly of a Pyridine-Containing [2]Catenane. <i>Synlett</i> , 1994 , 1994, 1063-1066	2.2	6
286	An optically-active [2]catenane made to order. <i>Tetrahedron Letters</i> , 1994 , 35, 4835-4838	2	33
285	A new route to phenanthrene derivatives. <i>Tetrahedron Letters</i> , 1994 , 35, 4839-4842	2	5

284	The Two-Step Self-Assembly of [4]- and [5]Catenanes. <i>Angewandte Chemie International Edition in English</i> , 1994 , 33, 433-437		70
283	Olympiadane. <i>Angewandte Chemie International Edition in English</i> , 1994 , 33, 1286-1290		164
282	A New Class of Novel Macrocyclic Mesogens. <i>Angewandte Chemie International Edition in English</i> , 1994 , 33, 1503-1506		27
281	Zweistufige Selbstassoziation von [4]- und [5]Catenanen. <i>Angewandte Chemie</i> , 1994 , 106, 450-453	3.6	22
280	Olympiadan. <i>Angewandte Chemie</i> , 1994 , 106, 1316-1319	3.6	43
279	Neuartige makrocyclische Flüssigkristalle. <i>Angewandte Chemie</i> , 1994 , 106, 1563-1566	3.6	9
278	Per-6-bromo-per-2,3-dimethyl- β -cyclodextrin. <i>Tetrahedron Letters</i> , 1994 , 35, 9091-9094	2	11
277	A chemically and electrochemically switchable molecular shuttle. <i>Nature</i> , 1994 , 369, 133-137	50.4	1035
276	A self-organised layered superstructure of arrayed [2]pseudorotaxanes. <i>Journal of the Chemical Society Chemical Communications</i> , 1994 , 181		40
275	From Solid-State Structures and Superstructures to Self-Assembly Processes. <i>Chemistry of Materials</i> , 1994 , 6, 1159-1167	9.6	64
274	The self assembly of controllable [2]catenanes. <i>Journal of the Chemical Society Chemical Communications</i> , 1994 , 177-180		41
273	The solid-state self-organisation of a self-assembled [2]catenane. <i>Journal of the Chemical Society Chemical Communications</i> , 1994 , 2475		13
272	Self-assembled [2]catenanes exhibiting highly selective translational isomerism. <i>Journal of the Chemical Society Chemical Communications</i> , 1994 , 2479		7
271	Photoinduced Electron Transfer in Supramolecular Assemblies Composed of Dialkoxybenzene-Tethered Ruthenium(II) Trisbipyridine and Bipyridinium Salts. <i>Journal of the American Chemical Society</i> , 1994 , 116, 3399-3404	16.4	55
270	Towards the self-assembly of polyrotaxanes. <i>Macromolecular Symposia</i> , 1994 , 77, 191-207	0.8	14
269	Molecular belts. 2. Substrate-directed syntheses of belt-type and cage-type structures. <i>Journal of the American Chemical Society</i> , 1993 , 115, 5422-5429	16.4	106
268	Monometallation of a di(aminoaryl) ether induces a Smiles rearrangement leading to a sodium aryloxy complex: the synthesis and crystal structure of [(MeOCH ₂ CH ₂)(C ₆ H ₄ NHCH ₂ CH ₂ OMe)NC ₆ H ₄ O] ⁻ Na ⁺] ₂ . <i>Journal of the Chemical Society Chemical Communications</i> , 1993 , 1355-1357		8
267	Slippage: an alternative method for assembling [2]rotaxanes. <i>Journal of the Chemical Society Chemical Communications</i> , 1993 , 1269-1274		81

- 266 The self assembly of [2]- and [3]-rotaxanes by slippage. *Journal of the Chemical Society Chemical Communications*, **1993**, 1274-1277 57
- 265 Self-assembly of a chiral bis[2]catenane. *Journal of the American Chemical Society*, **1993**, 115, 5286-5287 16.4 38
- 264 Charge recombination in cyclophane-derived, intimate radical ion pairs. *Journal of the American Chemical Society*, **1993**, 115, 5298-5299 16.4 59
- 263 Molecular organization via ionic interactions at interfaces. 1. Monolayers and LB films of cyclic bisbipyridinium tetracations and dimyristoylphosphatidic acid. *Langmuir*, **1993**, 9, 1534-1544 4 93
- 262 Novel rotaxanes based on the inclusion complexation of biphenyl guests by cyclobis(paraquat-p-phenylene). *Journal of Organic Chemistry*, **1993**, 58, 6550-6552 4.2 78
- 261 The structure-directed synthesis of cyclacene and polyacene derivatives. *Pure and Applied Chemistry*, **1993**, 65, 119-125 2.1 64
- 260 The Oligoselective Syntheses of Polyacene Derivatives. *Synthesis*, **1993**, 1993, 221-224 2.9 12
- 259 The Synthesis of a Chiral Hexaphenyl-18-crown-6 Derivative. *Synthesis*, **1993**, 1993, 141-145 2.9 19
- 258 Self-assembly and macromolecular design. *Pure and Applied Chemistry*, **1993**, 65, 2351-2359 2.1 54
- 257 Substrate-directed synthesis: The rapid assembly of novel macropolycyclic structures via stereoregular diels-alder oligomerizations **1993**, 1-69 26
- 256 Chemical Synthesis of Nanostructures. *Materials Research Society Symposia Proceedings*, **1993**, 330, 57 1
- 255 The Self-Assembly of Catenated Cyclodextrins. *Angewandte Chemie International Edition in English*, **1993**, 32, 854-858 88
- 254 Dilithiation of Two Diphenyl Ethers Each Containing Two NHCH₂CH₂Y (Y = OMe, NMe₂) Side Arms in ortho Positions: Assembly of Adamantanoid Li₄O₂N₄ Cores. *Angewandte Chemie International Edition in English*, **1993**, 32, 1182-1184 9
- 253 Isomeric Self-Assembling [2]Catenanes. *Angewandte Chemie International Edition in English*, **1993**, 32, 1297-1301 43
- 252 A Photochemically Driven Molecular Machine. *Angewandte Chemie International Edition in English*, **1993**, 32, 1301-1303 198
- 251 Selbstorganisation von Catenanen mit Cyclodextrineinheiten. *Angewandte Chemie*, **1993**, 105, 944-948 3.6 23
- 250 Dilithierung zweier Diphenylether mit zwei NHCH₂CH₂Y-Seitenarmen in ortho-Position (Y = OCH₃, NMe₂); Adamantanartige Li₄O₂N₄-Geräte. *Angewandte Chemie*, **1993**, 105, 1254-1256 3.6 4
- 249 Durch Selbstassoziation zu isomeren [2]-Catenanen. *Angewandte Chemie*, **1993**, 105, 1358-1362 3.6 17

248	Eine photochemisch betriebene molekulare Maschine. <i>Angewandte Chemie</i> , 1993 , 105, 1362-1364	3.6	43
247	Bent aromatic rings in naphthalene derivatives. <i>Tetrahedron Letters</i> , 1993 , 34, 8333-8336	2	5
246	Stereoselectivity in the synthesis of polyacene derivatives by repetitive Diels-Alder reactions. <i>Tetrahedron Letters</i> , 1993 , 34, 8337-8340	2	10
245	A new approach to controlling catenated structures. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 1993 , 112, 429-430		7
244	Towards Controllable Molecular Shuttles - 1. <i>Synlett</i> , 1992 , 1992, 914-918	2.2	37
243	Towards Controllable Molecular Shuttles - 2. <i>Synlett</i> , 1992 , 1992, 919-922	2.2	34
242	Towards Controllable Molecular Shuttles - 3. <i>Synlett</i> , 1992 , 1992, 923-926	2.2	62
241	The Mechanisms of Making Molecules to Order. <i>Israel Journal of Chemistry</i> , 1992 , 32, 61-67	3.4	30
240	Self-assembling synthetic supramolecular polymers. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1992 , 54-55, 441-464		10
239	Molecular meccano. 1. [2]Rotaxanes and a [2]catenane made to order. <i>Journal of the American Chemical Society</i> , 1992 , 114, 193-218	16.4	671
238	A new design strategy for the self-assembly of molecular shuttles. <i>Journal of the Chemical Society Chemical Communications</i> , 1992 , 1124		64
237	Constructing a molecular LEGO set. <i>Chemical Society Reviews</i> , 1992 , 21, 215	58.5	87
236	The template-directed synthesis of porphyrin-stoppered [2]rotaxanes. <i>Journal of the Chemical Society Chemical Communications</i> , 1992 , 1128		53
235	The fortuitous discovery of a synthetic cationic molecular receptor system for methanol. <i>Journal of the Chemical Society Chemical Communications</i> , 1992 , 331-333		5
234	Molecular LEGO. 1. Substrate-directed synthesis via stereoregular Diels-Alder oligomerizations. <i>Journal of the American Chemical Society</i> , 1992 , 114, 6330-6353	16.4	164
233	Cyclobis(paraquat-p-phenylene) as a synthetic receptor for electron-rich aromatic compounds: electrochemical and spectroscopic studies of neurotransmitter binding. <i>Journal of the American Chemical Society</i> , 1992 , 114, 10624-10631	16.4	128
232	Conformational mobility in chemically-modified cyclodextrins. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1992 , 12, 121-150		23
231	Characterisation of molecular and supramolecular systems by electrospray mass spectrometry. <i>Tetrahedron Letters</i> , 1992 , 33, 7771-7774	2	29

230	Designing Synthetic Cationic Molecular Receptors for Alcohols. <i>Angewandte Chemie International Edition in English</i> , 1992 , 31, 478-480		13
229	Cyclodextrins, Off-the-Shelf Components for the Construction of Mechanically Interlocked Molecular Systems. <i>Angewandte Chemie International Edition in English</i> , 1992 , 31, 846-848		71
228	Decamethylcucurbit[5]uril. <i>Angewandte Chemie International Edition in English</i> , 1992 , 31, 1475-1477		175
227	Synthetische kationische Rezeptormoleküle für Alkohole. <i>Angewandte Chemie</i> , 1992 , 104, 456-459	3.6	1
226	Cyclodextrine – wohlfeile Bausteine für den Aufbau molekularer Systeme mit mechanischen Verknüpfungen. <i>Angewandte Chemie</i> , 1992 , 104, 860-862	3.6	16
225	Decamethylcucurbit[5]uril. <i>Angewandte Chemie</i> , 1992 , 104, 1550-1551	3.6	28
224	Self-Assembly in Chemical Systems 1992 , 1-16		2
223	Conformational Mobility in Chemically-Modified Cyclodextrins 1992 , 121-150		
222	The template-directed synthesis of a [2]rotaxane. <i>Tetrahedron Letters</i> , 1991 , 32, 6235-6238	2	56
221	The Third Allotropic Form of Carbon. <i>Angewandte Chemie International Edition in English</i> , 1991 , 30, 70-71		40
220	Synthesis and Characterization of Per-3,6-anhydro Cyclodextrins. <i>Angewandte Chemie International Edition in English</i> , 1991 , 30, 80-81		38
219	Aggregation of Aza Crown Ethers by Metalation: Synthesis and Crystal Structure of 1-Lithio-1,7-diaza[12]crown-4 – the First Lithiated Crown Ether. <i>Angewandte Chemie International Edition in English</i> , 1991 , 30, 82-84		11
218	Self-Assembling [2]Pseudorotaxanes. <i>Angewandte Chemie International Edition in English</i> , 1991 , 30, 1036-1039		85
217	Self-Assembling [3]Catenanes. <i>Angewandte Chemie International Edition in English</i> , 1991 , 30, 1039-1042		85
216	Molecular Trains: The Self-Assembly and Dynamic Properties of Two New Catenaries. <i>Angewandte Chemie International Edition in English</i> , 1991 , 30, 1042-1045		45
215	The Third Allotropic Form of Carbon. <i>Angewandte Chemie</i> , 1991 , 103, 71-72	3.6	19
214	Synthese und Charakterisierung von Per(3,6-anhydro)cyclodextrinen. <i>Angewandte Chemie</i> , 1991 , 103, 96-97	3.6	6
213	Aggregation von Azakronenethern durch Metallierung: Synthese und Struktur von 1-Lithio-1,7-diaza[12]krone-4, dem ersten lithiierten Kronenether. <i>Angewandte Chemie</i> , 1991 , 103, 97-100	3.6	4

212	Selbstassoziierende [2]-Pseudorotaxane. <i>Angewandte Chemie</i> , 1991 , 103, 1052-1054	3.6	21
211	Selbstassoziierende [3]-Catenane. <i>Angewandte Chemie</i> , 1991 , 103, 1055-1058	3.6	29
210	Molekulare Eisenbahn: Selbstassoziation und dynamische Eigenschaften von zwei neuen Catenanen. <i>Angewandte Chemie</i> , 1991 , 103, 1058-1061	3.6	10
209	The Self-Assembly of a [2]Catenane. <i>Synlett</i> , 1991 , 1991, 459-461	2.2	17
208	The Template-Directed Synthesis of a Rigid Tetracationic Cyclophane Receptor. <i>Synlett</i> , 1991 , 1991, 462-464	2.2	37
207	Self-Assembly in Organic Synthesis. <i>Synlett</i> , 1991 , 1991, 445-458	2.2	144
206	The self-assembly of [n]pseudorotaxanes. <i>Journal of the Chemical Society Chemical Communications</i> , 1991 , 1677		79
205	The complexation of tetrathiafulvalene by cyclobis(Paraquat-p-phenylene). <i>Journal of the Chemical Society Chemical Communications</i> , 1991 , 1584		124
204	Towards a molecular abacus. <i>Journal of the Chemical Society Chemical Communications</i> , 1991 , 630		42
203	The self-assembly of complexes with [2]pseudorotaxane superstructures. <i>Journal of the Chemical Society Chemical Communications</i> , 1991 , 1680		58
202	The self-assembly of a highly ordered [2]catenane. <i>Journal of the Chemical Society Chemical Communications</i> , 1991 , 634		56
201	Cyclobis(paraquat-p-phenylene): a novel synthetic receptor for amino acids with electron-rich aromatic moieties. <i>Journal of the American Chemical Society</i> , 1991 , 113, 4335-4337	16.4	84
200	A molecular shuttle. <i>Journal of the American Chemical Society</i> , 1991 , 113, 5131-5133	16.4	574
199	Per-3,6-anhydro-.alpha.-cyclodextrin and per-3,6-anhydro-.beta.-cyclodextrin. <i>Journal of Organic Chemistry</i> , 1991 , 56, 7274-7280	4.2	40
198	Molecular self-assembly processes. <i>Ciba Foundation Symposium</i> , 1991 , 158, 5-17; discussion 17-22, 39-41		5
197	A New Mode of Metal Encapsulation. <i>Angewandte Chemie International Edition in English</i> , 1990 , 29, 1404-1406		6
196	Neuartige Metalleinschlussverbindungen. <i>Angewandte Chemie</i> , 1990 , 102, 1463-1465	3.6	2
195	From Enzyme Mimics to Molecular Self-Assembly Processes 1990 , 53-81		7

194	Complexation and Molecular Recognition of Neutral and Anionic Substrates in the Solid and Solution States by Bisparaquat(1,4)Cyclophane 1990 , 41-48		5
193	A century of cyclodextrins. <i>Carbohydrate Research</i> , 1989 , 192, xii-xv	2.9	38
192	Second-sphere co-ordination of carboplatin and rhodium complexes by cyclodextrins (cyclomalto-oligosaccharides). <i>Carbohydrate Research</i> , 1989 , 192, 259-281	2.9	43
191	Structure-Directed Synthesis of new organic materials. <i>Advanced Materials</i> , 1989 , 1, 275-282	24	11
190	Sterisch einheitliche Oligomerisierung durch repetitive Diels-Alder-Reaktionen. <i>Angewandte Chemie</i> , 1989 , 101, 1266-1269	3.6	18
189	Trinacren ¶as Produkt einer strukturgerechten Synthese. <i>Angewandte Chemie</i> , 1989 , 101, 1269-1271	3.6	22
188	Ein polymolekularer Donor-Acceptor-Stapel. <i>Angewandte Chemie</i> , 1989 , 101, 1402-1404	3.6	26
187	Ein [2]-Catenan auf Bestellung. <i>Angewandte Chemie</i> , 1989 , 101, 1404-1408	3.6	115
186	The Chemistry of Macrocyclic Ligand Complexes. Von L. F. Lindoy. Cambridge University Press, Cambridge 1989. VIII, 269 S., geb. ¶ 45.00. ¶ISBN 0-521-25261-X. <i>Angewandte Chemie</i> , 1989 , 101, 1757-1758	3.6	26
185	A New Coordinating Chiral Lithium Amide. <i>Angewandte Chemie International Edition in English</i> , 1989 , 28, 1044-1047		28
184	Structure-Directed Synthesis of New Organic Materials. <i>Angewandte Chemie International Edition in English</i> , 1989 , 28, 1103-1110		49
183	Stereoregular Oligomerization by Repetitive Diels-Alder Reactions. <i>Angewandte Chemie International Edition in English</i> , 1989 , 28, 1258-1261		24
182	Trinacrene ¶a Product of Structure-Directed Synthesis. <i>Angewandte Chemie International Edition in English</i> , 1989 , 28, 1261-1263		37
181	A Polymolecular Donor-Acceptor Stack Made of Paraquat and a 1, 5-Dihydroxynaphthalene-Derived Crown Ether. <i>Angewandte Chemie International Edition in English</i> , 1989 , 28, 1394-1395		91
180	A [2] Catenane Made to Order. <i>Angewandte Chemie International Edition in English</i> , 1989 , 28, 1396-1399		317
179	The making of molecular belts and collars. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1989 , 7, 227-245		13
178	An efficient procedure for the synthesis and isolation of (+)-(2R,3R,11R,12R)- and (¶)-(2S,3S,11S,12S)-tetraphenyl-18-crown-6. <i>Tetrahedron Letters</i> , 1989 , 30, 3849-3852	2	15
177	Supramolecular photochemistry and photophysics. Adducts of Pt(bpy)(NH ₃) ₂ ²⁺ with aromatic crown ethers. <i>Journal of the American Chemical Society</i> , 1989 , 111, 7072-7078	16.4	33

176	Poly(vinyl chloride) matrix membrane uranyl ion-selective electrodes based on cyclic and acyclic neutral carrier sensors. <i>Analyst, The</i> , 1989 , 114, 1025	5	30
175	New cyclophane hosts: a hexaoxacyclophane. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1989 , 211		5
174	New cyclophane hosts: polyether-bridged hexaoxacyclophanes. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1989 , 212		4
173	The evolution of molecular belts and collars. <i>Pure and Applied Chemistry</i> , 1989 , 61, 1581-1586	2.1	43
172	The Making of Molecular Belts and Collars 1989 , 227-245		
171	Photochemie und Photophysik von Verbindungen mit zweiter Ligandensphäre: Die Lumineszenz des Addukts aus [Pt(bpy)(NH ₃) ₂] ²⁺ und Dibenzo[30]krone-10. <i>Angewandte Chemie</i> , 1988 , 100, 712-713	3.6	0
170	Auf dem Weg zu [12]Collaren. <i>Angewandte Chemie</i> , 1988 , 100, 981-983	3.6	43
169	Koordination in zweiter Sphäre: Addukte von Phosphanbergangsmetall-Komplexen an β -Cyclodextrin und Methyl derivative. <i>Angewandte Chemie</i> , 1988 , 100, 1215-1217	3.6	2
168	Cyclobis(paraquat-p-phenylen), ein tetrakationischer Mehrzweckrezeptor. <i>Angewandte Chemie</i> , 1988 , 100, 1605-1608	3.6	103
167	Isostrukturelle Rezeptorstapel mit alternierenden Ladungen; die Einschlußverbindungen von Hydrochinon- und Brenzcatechin-dimethylethern mit Cyclobis(paraquat-p-phenylen). <i>Angewandte Chemie</i> , 1988 , 100, 1608-1611	3.6	32
166	Second-Sphere Photochemistry and Photophysics: Luminescence of the [Pt(bpy)(NH ₃) ₂] ²⁺ Dibenzo[30]crown-10 Adduct. <i>Angewandte Chemie International Edition in English</i> , 1988 , 27, 692-694		11
165	Towards the Making of [12]Collarene. <i>Angewandte Chemie International Edition in English</i> , 1988 , 27, 966-969		122
164	Second Sphere Coordination Adducts of Phosphane-Transition Metal Complexes with β -Cyclodextrin and its Methylated Derivative. <i>Angewandte Chemie International Edition in English</i> , 1988 , 27, 1184-1185		36
163	Cyclobis(paraquat-p-phenylene). A Tetracationic Multipurpose Receptor. <i>Angewandte Chemie International Edition in English</i> , 1988 , 27, 1547-1550		432
162	Isostructural, Alternately-Charged Receptor Stacks. The Inclusion Complexes of Hydroquinone and Catechol Dimethyl Ethers with Cyclobis(paraquat-p-phenylene). <i>Angewandte Chemie International Edition in English</i> , 1988 , 27, 1550-1553		121
161	Diazadibenzo-30-crown-10 derivatives as receptors for diquat. <i>Tetrahedron Letters</i> , 1988 , 29, 1569-1572	2	12
160	Solid state structure of the molecular complex between a diazadibenzo-30-crown-10 derivative and diquat. <i>Tetrahedron Letters</i> , 1988 , 29, 1573-1574	2	7
159	Mass spectrometric investigation of adduct formation by methylated cyclodextrins. <i>Tetrahedron Letters</i> , 1988 , 29, 2103-2106	2	31

- 158 Solid state structure of a diazadibenzo-30-crown-10 disulphonamide. *Tetrahedron Letters*, **1988**, 29, 1575-1576 10
- 157 The complexation properties of some unnatural and natural macrocyclic trichothecenes. *Journal of the Chemical Society Chemical Communications*, **1988**, 904 7
- 156 Piezoelectric quartz crystal detection of benzene vapour using chemically modified cyclodextrins. *Journal of the Chemical Society Perkin Transactions II*, **1988**, 319 34
- 155 Alkali and alkaline earth metal ion-sensing studies on two disubstituted diphenyl ethers of tetraethylene glycol. *Analyst, The*, **1988**, 113, 1295 5 6
- 154 Conception and birth of new receptor chemistry from dibenzo-18-crown-6. *Pure and Applied Chemistry*, **1988**, 60, 467-472 2.1 43
- 153 Chemically-Modified Cyclodextrins as Second Sphere Ligands for Transition Metal Complexes **1988**, 197-203 2
- 152 The extramolecular chemical approach to enzyme analogues. *Biochemical Society Transactions*, **1987**, 15, 1188-91 5.1 13
- 151 Structural mapping of an unsymmetrical chemically modified cyclodextrin by high-field nuclear magnetic resonance spectroscopy. *Journal of the Chemical Society Perkin Transactions II*, **1987**, 1323 35
- 150 Complexation of Diquat by a bisparaphenylene-34-crown-10 derivative. *Journal of the Chemical Society Chemical Communications*, **1987**, 1061 52
- 149 Complexation of Paraquat by a bisparaphenylene-34-crown-10 derivative. *Journal of the Chemical Society Chemical Communications*, **1987**, 1064 155
- 148 Complex formation between bisparaphenylene-(3n+ 4)-crown-n ethers and the Paraquat and Diquat dications. *Journal of the Chemical Society Chemical Communications*, **1987**, 1066 49
- 147 Complexation of Paraquat and Diquat by a bismetaphenylene-32-crown-10 derivative. *Journal of the Chemical Society Chemical Communications*, **1987**, 1058 104
- 146 A comparison of the receptor stereochemistry in [Pt(bipy)(NH₃)₂][dinaphtho-30-crown-10][PF₆]₂ and [Diquat][dinaphtho-30-crown-10][PF₆]₂(bipy = 2,2'-bipyridine). *Journal of the Chemical Society Chemical Communications*, **1987**, 1054-1058 16
- 145 The dependence of the solid state structures of bisparaphenylene-(3n+ 4)-crown-n ethers upon macrocyclic ring size. *Journal of the Chemical Society Chemical Communications*, **1987**, 1070 29
- 144 Complexation of diquat and paraquat by macrocyclic polyethers incorporating two dibydroxynaphthalene residues. *Tetrahedron Letters*, **1987**, 28, 6367-6370 2 69
- 143 The facile conversion of T-2 toxin and neosolaniol into anguidine. *Tetrahedron Letters*, **1987**, 28, 2661-2664 5
- 142 Second Sphere Coordination of Tetraammineplatinum(II) by a Macropolycyclic Crown Ether Bisamide Receptor. *Angewandte Chemie International Edition in English*, **1987**, 26, 692-693 11
- 141 Macrobicyclic Polyethers as Second Sphere Ligands for Tetraammineplatinum(II). *Angewandte Chemie International Edition in English*, **1987**, 26, 693-696 18

140	Noncovalent Bonding Interactions between Tetraphenylborate Anions and Paraquat and Diquat Dications. <i>Angewandte Chemie International Edition in English</i> , 1987 , 26, 890-892		37
139	Molecular Belts and Collars in the Making: A Hexaepoxyoctacosahydro[12]cyclacene Derivative. <i>Angewandte Chemie International Edition in English</i> , 1987 , 26, 892-894		140
138	Koordination eines makropolycyclischen Kronenetherbisamid-Rezeptors in der zweiten Koordinationssphäre von Tetraamminplatin(II). <i>Angewandte Chemie</i> , 1987 , 99, 697-698	3.6	5
137	Makrobicyclische Polyether als Liganden der zweiten Koordinationssphäre für Tetraamminplatin(II). <i>Angewandte Chemie</i> , 1987 , 99, 698-701	3.6	3
136	Nicht-kovalente bindende Wechselwirkungen zwischen Tetraphenylborat-Anionen und Paraquat- oder Diquat-Dikationen. <i>Angewandte Chemie</i> , 1987 , 99, 939-941	3.6	8
135	Gürtel- und Kragenmoleküle: Ein Hexaepoxyoctacosahydro[12]cyclacen. <i>Angewandte Chemie</i> , 1987 , 99, 941-943	3.6	78
134	Novel 4,15-polyether analogues of macrocyclic trichothecenes. <i>Tetrahedron Letters</i> , 1987 , 28, 2653-2656		4
133	Novel 3,4- and 8,15-polyether analogues of macrocyclic trichothecenes. <i>Tetrahedron Letters</i> , 1987 , 28, 2657-2660	2	3
132	Second-Sphere Coordination – Novel Route for Molecular Receptors. <i>Angewandte Chemie International Edition in English</i> , 1986 , 25, 487-507		198
131	Koordination in zweiter Sphäre – eine neuartige Rolle für Rezeptormoleküle. <i>Angewandte Chemie</i> , 1986 , 98, 483-503	3.6	39
130	A 1:1 complex between 1,4,7,10,13,16-hexaoxacyclooctadecane (18-crown-6) and mercury(II) iodide. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1986 , 42, 51-53		7
129	Isolation and X-ray crystal structure of a 2:1 complex between picric acid and dibenzo-24-crown-8; an example of a sandwich structure. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1986 , 253		13
128	Second-sphere co-ordination of cationic rhodium complexes [Rh(L)(NH ₃) ₂] ⁺ by dibenzo-3n-crown-n ethers [n = 6, 8; L = cyclo-octa-1,5-diene (cod) or norbornadiene (nbd)]. Solution ¹ H nuclear magnetic resonance spectroscopic studies and X-ray crystal structures of		18
127	Second-sphere Coordination of [Pt(bipy)(NH ₃) ₂] ²⁺ by Dibenzo-crown Ethers. Solution Spectroscopic Studies and the Crystal and Molecular Structures of [Pt(bipy)(NH ₃) ₂ .dibenzo-30-crown-10] [PF ₆] ₂ , [Pt(bipy)(NH ₃) ₂ .dibenzo-30-crown-10] [PF ₆] ₂ .0.6 H ₂ O and [Pt(bipy)(NH ₃) ₂ .dibenzo-24-crown-8] [PF ₆] ₂ . <i>Israel Journal of Chemistry</i> , 1985 , 25, 15-26	3.4	19
126	Synthesis of an octamethyl-18-crown-6 derivative and the X-ray crystal structure of its 2:1 complex with borane-ammonia. <i>Tetrahedron</i> , 1985 , 41, 2923-2926	2.4	19
125	Complexation of diquat by disubstituted dibenzo-30-crown-10 derivatives. <i>Tetrahedron Letters</i> , 1985 , 26, 1681-1684	2	17
124	An investigation by high resolution H NMR spectroscopy of the kinetic stabilities of solution complexes of diquat with disubstituted dibenzo-30-crown-10 derivatives. <i>Tetrahedron Letters</i> , 1985 , 26, 1685-1688	2	14
123	The isolation and X-ray structure of a complex between lithium picrate and dibenzo-36-crown-12. <i>Polyhedron</i> , 1985 , 4, 567-575	2.7	16

122	The supramolecular structures and reactivities of some complexes of chiral crown ethers with borane ammonia. <i>Journal of Inclusion Phenomena</i> , 1985 , 3, 355-377		14
121	Diamminebis(1,5-cyclooctadiene)([11,4,10,13-tetraoxa-7,16-diazacyclooctadecane-N7,N16])dirhodiumbis-(hexafluorophosphate): An Example of Simultaneous First and Second Sphere Coordination. <i>Angewandte Chemie International Edition in English</i> , 1985 , 24, 135-136		17
120	A Macrobicyclic Receptor Molecule for the Diquat Dication. <i>Angewandte Chemie International Edition in English</i> , 1985 , 24, 581-584		19
119	Cyclodextrins as Second Sphere Ligands for Transition Metal Complexes—The X-Ray Crystal Structure of [Rh(cod)(NH ₃) ₂ ⊂cyclodextrin][PF ₆] ₂ ·H ₂ O. <i>Angewandte Chemie International Edition in English</i> , 1985 , 24, 786-787		80
118	Diamminbis(1,5-cyclooctadien)([11,4,10,13-tetraoxa-7,16-diazacyclooctadecan-N7,N16])dirhodium-bis (hexafluorophosphat): Ein Makrocyclus als Ligand der ersten und zugleich der zweiten Koordinationssphäre. <i>Angewandte Chemie</i> , 1985 , 97, 124-125	3.6	7
117	Ein makrobicyclisches Wirtmolekül für das Diquat-Dikation. <i>Angewandte Chemie</i> , 1985 , 97, 584-587	3.6	8
116	Cyclodextrine als Liganden zur Koordination von Übergangsmetallkomplexen in der zweiten Sphäre; Röntgen-Strukturanalyse von [Rh(cod)(NH ₃) ₂ ⊂cyclodextrin][PF ₆] ₂ ·H ₂ O. <i>Angewandte Chemie</i> , 1985 , 97, 771-772	3.6	11
115	The complexation of the diquat dication by dibenzo-3n-crown-n ethers. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1985 , 607		65
114	Complexation of Diquat by a regiospecifically synthesised macrobicyclic receptor molecule. <i>Journal of the Chemical Society Chemical Communications</i> , 1985 , 311		36
113	The X-ray crystal structure of a 1:1 adduct between ⊂cyclodextrin and cyclobutane-1,1-dicarboxylatodiammineplatinum(II). <i>Journal of the Chemical Society Chemical Communications</i> , 1985 , 1602-1604		40
112	An investigation of the kinetic and thermodynamic stability of a tribenzomacrobicyclic polyether complex with Diquat in acetone solution. <i>Journal of the Chemical Society Chemical Communications</i> , 1985 , 314		10
111	The isolation and X-ray crystal structure of an adduct formed between PF ₆ ⁻ and cisplatin. <i>Journal of the Chemical Society Chemical Communications</i> , 1985 , 532		15
110	Dynamic ¹ H nuclear magnetic resonance spectroscopic studies of complexes formed between substituted ammonium cations and two chiral diaza-crown ethers incorporating asymmetric carbohydrate units. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1985 , 1559		7
109	The binding of cyclobutane-1,1-dicarboxylatodiammineplatinum(II) by ⊂cyclodextrin in aqueous solution. <i>Journal of the Chemical Society Chemical Communications</i> , 1985 , 1600-1602		40
108	Second Sphere Coordination of Cationic Rhodium Complexes by Dibenzo[3n]crown-n Ethers. <i>Angewandte Chemie International Edition in English</i> , 1984 , 23, 235-236		31
107	Macrobicyclic Polyethers as V-Shaped Hosts for cis-Diammine-Transition Metal Complexes. <i>Angewandte Chemie International Edition in English</i> , 1984 , 23, 821-823		24
106	Crown Ether Complexes of Phosphonium Salts—The X-Ray Structure Analysis of [(Ph ₃ PMe) ₂ ⊂[18]Crown-6][PF ₆] ₂ . <i>Angewandte Chemie International Edition in English</i> , 1984 , 23, 824-825		9
105	Crown Ether Complexes of Sulfonium Salts—The X-Ray Crystal Structures of [PhCOCH ₂ SMe ₂ ⊂[18]Crown-6] _n [PF ₆] _n and [(PhCOCHPhSMe ₂) ₂ ⊂[18]Crown-6][PF ₆] ₂ . <i>Angewandte Chemie International Edition in English</i> , 1984 , 23, 977-979		12

- 104 Kronenether-Metallkomplex-Wechselwirkung in der zweiten Koordinationssphäre: Additionsverbindungen aus kationischen Rhodiumkomplexen und Dibenzo-[3n]krone-n. *Angewandte Chemie*, **1984**, 96, 232-234 3.6 6
- 103 Makrobicyclische Polyether als V-förmige Wirtmoleküle für cis-Diammin-Übergangsmetall-Komplexe. *Angewandte Chemie*, **1984**, 96, 804-806 3.6 7
- 102 Kronenetherkomplexe mit Phosphoniumsalzen -Röntgen-Strukturanalyse von [(Ph₃PMe)₂][18]Krone-6][PF₆]₂. *Angewandte Chemie*, **1984**, 96, 806-807 3.6 5
- 101 Kronenetherkomplexe von Sulfoniumsalzen -Röntgen-Strukturanalyse von [PhCOCH₂SM₂][18]Krone-6][PF₆]_n und [(PhCOCHPhSM₂)₂].[18]Krone-6][PF₆]₂. *Angewandte Chemie*, **1984**, 96, 987-988³⁶ 2
- 100 The isolation and x-ray crystal structure of a complex between sodium hexafluorophosphate and dibenzo-36-crown-12. *Polyhedron*, **1984**, 3, 675-679 2.7 12
- 99 Stereospecific syntheses of macrobicyclic polyethers with carbon bridgeheads from chiral glycerol derivatives. *Journal of the Chemical Society Chemical Communications*, **1984**, 1356 19
- 98 Enantioselective reductions of aromatic ketones with ammonia-borane complexes of chiral tetraphenyl-18-crown-6 derivatives. *Journal of the Chemical Society Chemical Communications*, **1984**, 1461-1464³⁶
- 97 Crystal and supramolecular structures of complexes of BF₃NH₃ and BH₃NH₃ with 18-crown-6. *Journal of the Chemical Society Dalton Transactions*, **1984**, 63 31
- 96 Chapter 15 Crown ethers as enzyme models. *New Comprehensive Biochemistry*, **1984**, 6, 529-561 3
- 95 Complex formation between dibenzo-3n-crown-n ethers and the diquat dication. *Journal of the Chemical Society Chemical Communications*, **1983**, 1140 34
- 94 Crown ethers as second-sphere ligands. The interactions of transition-metal amines with 18-crown-6 and dibenzo-18-crown-6. *Journal of the Chemical Society Dalton Transactions*, **1983**, 607 46
- 93 Regioselective and stereoselective methods for the synthesis of the pentitols. *Journal of the Chemical Society Perkin Transactions 1*, **1983**, 1553 10
- 92 Conformational behaviour of medium-sized rings. Part 15. 1,9,17-Triaza[2.2.2]metacyclophane-2,10,1 8-trione derivatives. *Journal of the Chemical Society Perkin Transactions 1*, **1982**, 1727 6
- 91 Conformational behaviour of medium-sized rings. Part 9. Disalicylides and trisalicylides. *Journal of the Chemical Society Perkin Transactions 1*, **1982**, 1629 7
- 90 Conformational behaviour of medium-sized rings. Part 14. Tetra-anthranilides. *Journal of the Chemical Society Perkin Transactions 1*, **1982**, 1721 12
- 89 Coronation of ligating acetonitrile by 18-crown-6. X-ray crystal structure of {[trans-Ir(CO)(CH₃CN)(PPh₃)₂]₂·18-crown-6}[PF₆]₂·2CH₂Cl₂. *Journal of the American Chemical Society*, **1982**, 104, 1426-1428 16.4 21
- 88 Conformational behaviour of medium-sized rings. Part 12. Tri-3-methyltrianthranilide. *Journal of the Chemical Society Perkin Transactions 1*, **1982**, 1701 12
- 87 Conformational behaviour of medium-sized rings. Part 10. Dithiosalicylides and trithiosalicylides. *Journal of the Chemical Society Perkin Transactions 1*, **1982**, 1637 15

- 86 A comparison between the solid state structures and solution behaviour of molecular complexes formed between primary alkylammonium salts and chiral crown ethers incorporating 1,2:4,6-diacetals of D-mannitol. *Journal of the Chemical Society Chemical Communications*, **1982**, 1093 3
- 85 1,3:4,6-Di-O-benzylidene-2,5-O-3,6,9,12-tetraoxatetradecane-1,14-diyl-D-mannitol and the solution state structure of its molecular complex with the benzylammonium cation. A variable-temperature ¹H n.m.r. spectroscopic investigation. *Journal of the Chemical Society Chemical Communications*, 7
- 84 Conformational behaviour of medium-sized rings. Part 13. 5,18-Dihydro- and 5,11,12,18-tetrahydrotribenzo[b,f,j][1,4]diazacyclododecine-6,17-diones. *Journal of the Chemical Society Perkin Transactions 1*, **1982**, 1715 6
- 83 Conformational behaviour of medium-sized rings. Part 11. Dianthranilides and trianthranilides. *Journal of the Chemical Society Perkin Transactions 1*, **1982**, 1649 23
- 82 A stereoselective synthesis of xylitol. *Tetrahedron Letters*, **1982**, 23, 5367-5370 2 5
- 81 The X-ray crystal structure of a 1:1 complex between 1,3:1?, 3?:4,6:4?,6?-tetra--methylene-2,2?:5,5?-bis-- oxidiediethylenedi--mannitol and water. *Tetrahedron Letters*, **1982**, 23, 1835-1836 2 6
- 80 Stereoselective epoxidation of divinylmethanol: A synthetic approach to the pentitols. *Carbohydrate Research*, **1982**, 100, 207-220 2.9 9
- 79 Second-sphere co-ordination of neutral and cationic transition metal complexes by crown ethers. *Journal of the Chemical Society Chemical Communications*, **1981**, 612 14
- 78 The solid state and solution conformational behaviour of a chiral 30-crown-10 derivative synthesised from 1,4:3,6-dianhydro-D-mannitol; X-ray crystal structure. *Journal of the Chemical Society Chemical Communications*, **1981**, 430 13
- 77 Formation and X-ray crystal structure of [Pt(H₂NCH₂CH₂NH₂)₂][18-crown-6]_n²⁺[PF₆]_{2n}⊂A hydrogen bonded stepped-chain copolymer. *Journal of the Chemical Society Chemical Communications*, **1981**, 851-852 10
- 76 Complexing properties of a bisdianhydro-D-mannitolo-30-crown-10 derivative in the solution and solid states; X-ray crystal structure. *Journal of the Chemical Society Chemical Communications*, **1981**, 432 10
- 75 The binding of neutral platinum complexes by crown ethers. X-Ray crystal structures of [trans-PtCl₂(PMe₃)NH₃][dibenzo-18-crown-6] and [trans-PtCl₂(PMe₃)NH₃]₂[18-crown-6]. *Journal of the Chemical Society Chemical Communications*, **1981**, 847-849 19
- 74 Koordination kationischer Platinkomplexe in der zweiten Sphäre durch Kronenether: Struktur von [Pt(bpy)(NH₃)₂][Dibenzo-[30]krone-10]₂⁺[PF₆]₂xH₂O (x ≈ 0.6). *Angewandte Chemie*, **1981**, 93, 1093-1095^{3,6} 19
- 73 Second Sphere Coordination of Cationic Platinum Complexes by Crown Ethers⊂The X-Ray Crystal Structure of [Pt(bpy)(NH₃)₂][Dibenzo[30]crown-10]₂⁺[PF₆]₂xH₂O (x ≈ 0.6). *Angewandte Chemie International Edition in English*, **1981**, 20, 1051-1053 62
- 72 Conformational behaviour and inclusion compound forming properties of 5,18-disubstituted derivatives of 5, 11, 12, 18-tetrahydrotribenzo[.,,][1,4]diazacyclododecine-6, 17-dione. *Tetrahedron Letters*, **1981**, 22, 2225-2228 2 3
- 71 Synthesis and conformational behaviour of tri-3-methyltrianthranilides. A new example of spontaneous resolution and inclusion compound formation on crystallisation. *Tetrahedron Letters*, **1981**, 22, 2229-2232 2 8
- 70 Isolation and X-ray crystal structure of [Cu(NH₃)₄H₂O.18-crown-6]_n²⁺[PF₆]_{2n}⊂A linear face-to-face hydrogen bonded chain copolymer. *Journal of the Chemical Society Chemical Communications*, **1981**, 849 13
- 69 The syntheses and complexing properties of oxo-12-crown-3 and oxo-18-crown-5. *Tetrahedron Letters*, **1980**, 21, 867-870 2 22

68	Dithiosalicylides and trithiosalicylides. Their conformational behaviour in solution. <i>Tetrahedron Letters</i> , 1980 , 21, 4203-4206	2	6
67	Synthesis and conformational behaviour of tetra-anthranilides. <i>Tetrahedron Letters</i> , 1980 , 21, 4211-4214		5
66	Synthesis and conformational behaviour of 1,9,17-triaza[2.2.2]metacyclophane-2, 10, 18-trione derivatives. <i>Tetrahedron Letters</i> , 1980 , 21, 4215-4218	2	12
65	High-resolution ¹³ C n.m.r. spectroscopy and X-ray crystallography of complexes formed by NN'-dimethyl-1,7-diaza-4,10-dioxacyclododecane. <i>Journal of the Chemical Society Chemical Communications</i> , 1980 , 540-543		13
64	Holes, Handedness, Handles, and Hopes: Meeting the Requirements of Primary Binding, Chirality, Secondary Interactions and Functionality in Enzyme Analogues 1980 , 43-62		2
63	The complexing properties of chiral crown ethers incorporating 1,3:4,6-di-O-methylene-D-mannitol residues. A secondary dipole-induced dipole interaction.. <i>Tetrahedron Letters</i> , 1979 , 20, 453-456	2	16
62	Complexation selectivity by chiral asymmetric crowns incorporating the 4,6-O-benzylidene derivatives of methyl β-D-glucopyranoside and methyl β-D-galactopyranoside. A secondary anomeric effect?. <i>Tetrahedron Letters</i> , 1979 , 20, 457-460	2	13
61	Chiral asymmetric crowns incorporating the 4,6-O-benzylidene derivatives of methyl β-D-mannopyranoside and methyl β-D-altropyranoside. The influence of stereochemistry upon complexation of organic cations. <i>Tetrahedron Letters</i> , 1979 , 20, 461-464	2	18
60	Chiral symmetric crowns incorporating the 4,6-O-benzylidene derivatives of methyl β-D-glucopyranoside and methyl β-D-galactopyranoside. A configurational impediment to complexation of organic cations by 18-crown-6 derivatives. <i>Tetrahedron Letters</i> , 1979 , 20, 465-468	2	16
59	Tate and Lyle Lecture. From carbohydrates to enzyme analogues. <i>Chemical Society Reviews</i> , 1979 , 8, 85	58.5	143
58	Complexes of primary alkylammonium salts and secondary dialkylammonium salts with diazaparacyclophanes. <i>Tetrahedron Letters</i> , 1978 , 19, 171-174	2	18
57	Conformational behaviour of medium-sized rings. Part 8. 6H,12H,18H-Tribenzo[b,f,j][1,5,9]trithiacyclododecin and its 5,5,11,11,17,17-hexaoxide. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1978 , 1421-1428		5
56	Conformational behaviour of medium-sized rings. Part 7. 5,6,7,12-Tetrahydrodibenzo[a,d]cyclo-octene. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1978 , 1415		3
55	Conformational behaviour of medium-sized rings. Part 5. Transannular reactions of (1Z)-8,9-dihydro-8-methyl-7H-dinaphth-[1,8-cd:1',8'-hi]azacycloundecine and (1Z)-6,7-dihydro-6-methyl-5H-dibenz[c,g]azonine. Two examples of reverse Hofmann rearrangement. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1978 , 1393-1398		3
54	Conformational behaviour of medium-sized rings. Part 6. 5,6,11,12,17,18-Hexahydrotribenzo[a,e,i]cyclododecene and its 2,3,8,9,14,15- and 1,4,7,10,13,16-hexamethyl derivatives. 2,3,8,9- and 1,4,7,10-Tetramethyl-5,6,11,12-tetrahydrodibenzo[a,e]cyclo-octene. <i>Journal of the Chemical Society Stereochemistry of noncovalent interactions in organic and metal cationic complexes. Journal of the American Chemical Society</i> , 1978 , 100, 8260-8262	16.4	37
52	1,6,13,18,25,30-Hexaoxa[6.6.6](1,3,5)cyclophane. Attempted synthesis of a [4]cryptand. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1977 , 785		13
51	Stereoselectivity in complexation of primary alkylammonium cations by the diastereotopic faces of chiral asymmetric crowns. <i>Journal of the Chemical Society Chemical Communications</i> , 1977 , 481		26

- 50 To enzyme analogues by lock and key chemistry with crown compounds. Part 1. Enantiomeric differentiation by configurationally chiral cryptands synthesised from L-tartaric acid and D-mannitol. *Journal of the Chemical Society Perkin Transactions 1*, **1977**, 15, 1756-69 54
- 49 The trans,anti,trans- and trans,syn,trans-isomers of dicyclohexyl-18-crown-6 and their complexes. *Journal of the Chemical Society Perkin Transactions 1*, **1977**, 220 24
- 48 Macrobicyclic polyethers with bridgehead carbon atoms. *Journal of the Chemical Society Perkin Transactions 1*, **1977**, 767 36
- 47 Complexation of primary alkylammonium salts and secondary dialkylammonium salts by N,N-dimethyl-1,7-diaza-4,10-dioxacyclododecane. *Journal of the American Chemical Society*, **1977**, 99, 8317-8319 16.4 47
- 46 Chiral asymmetrical crown-ethers. *Carbohydrate Research*, **1977**, 55, C1-C4 2.9 25
- 45 Enantiomeric differentiation by a chiral symmetrical crown derived from l-iditol. *Carbohydrate Research*, **1977**, 57, C17-C22 2.9 9
- 44 Chiral crowns incorporating pyridyl units and tertiary amine functions. *Journal of the Chemical Society Chemical Communications*, **1976**, 979 23
- 43 Enantiomeric differentiation by chiral macrocyclic polyethers derived from D-mannitol and binaphthol. *Journal of the Chemical Society Chemical Communications*, **1976**, 284 19
- 42 Conformational behaviour of medium-sized rings. Part III. Heterocyclic analogues of 12,13-dihydro-11H-dibenzo[a,e]cyclononene, 6,11,12,13-tetrahydro-5H-dibenzo[a,e]cyclononene, and 5,6,7,12,13,14-hexahydrodibenzo[a,f]cyclododecene. *Journal of the Chemical Society Perkin Transactions 1*, **1976**, 926 6
- 41 The Isolation of Conformational Diastereoisomers of N,N?,N?-Tribenzyltrianthranilide. *Angewandte Chemie International Edition in English*, **1976**, 15, 223-224 9
- 40 The Conformational Behavior of 5,10,11,12-Tetrahydrodibenzo[a,d]cyclooctene. *Angewandte Chemie International Edition in English*, **1976**, 15, 224-225 7
- 39 Conformational Studies on Twelve-Membered Heterocycles. Crystal Structure of 5,18-Dimethyl-5,18-diazatribenzo[a,e,i] cyclododecene-6,17(5H, 18H)-dione. *Angewandte Chemie International Edition in English*, **1976**, 15, 757-759 4
- 38 Isolierung von N,N?,N?-Tribenzyltrianthranilid in zwei diastereomeren Konformationen. *Angewandte Chemie*, **1976**, 88, 223-224 3.6 3
- 37 Konformationsuntersuchungen an zwölfgliedrigen Heterocyclen. Kristallstruktur von 5,18-Dimethyl-5,18-diazatribenzo[a,e,i] cyclododecen-6,17(5H,18H)-dion. *Angewandte Chemie*, **1976**, 88, 798-800 3.6 0
- 36 Synthese und Konformationsverhalten von N,N?,N?-Trimethyltrianthranilid. *Angewandte Chemie*, **1975**, 87, 169-170 3.6 4
- 35 The Conformational Behavior of 6H,12H, 18H-5,11,17-Trithiatribenzo[a,e,i]cyclododecene. *Angewandte Chemie International Edition in English*, **1975**, 14, 168-169 4
- 34 The Synthesis and Conformational Behavior of N, N?,N?-Trimethyltrianthranilide. *Angewandte Chemie International Edition in English*, **1975**, 14, 169-169 16
- 33 Synthesis of a [2]-cryptand with carbon bridgeheads. *Carbohydrate Research*, **1975**, 44, C1-C4 2.9 4

32	The stereochemistry of 2,4- and 2,3-disubstituted- β -butyrolactones. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1975 , 1480-1492		36
31	Isomerism in bicyclic diacetals. Part I. 1,3:2,4- and 1,4:2,3-Di-O-methylene-erythritol. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1975 , 666		14
30	Chiral recognition by configurationally chiral cryptands. <i>Journal of the Chemical Society Chemical Communications</i> , 1975 , 835		29
29	Synthesis of configurationally chiral cryptands and cryptates from carbohydrate precursors. <i>Journal of the Chemical Society Chemical Communications</i> , 1975 , 833		30
28	Isomerism in bicyclic diacetals. Part II. Bicyclic methylene diacetals in the galacto, arabino, and ribo series. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1975 , 675		18
27	Stereospecific synthesis of the trans-anti-trans- and trans-syn-trans- isomers of dicyclohexyl-18-crown-6. <i>Journal of the Chemical Society Chemical Communications</i> , 1974 , 390		12
26	Synthesis of macrobicyclic polyethers with carbon bridgeheads. <i>Journal of the Chemical Society Chemical Communications</i> , 1974 , 537a		11
25	Configurational equilibria in 2,4-disubstituted- β -butyrolactones. <i>Journal of the Chemical Society Chemical Communications</i> , 1974 , 873b-874		4
24	Constitutional isomerism in bicyclic diacetals and the conformational behaviour of cis-fused 1,3,6,8-tetraoxabicyclo[5,3,0]decanes. <i>Journal of the Chemical Society Chemical Communications</i> , 1974 , 863b		2
23	Konformationsuntersuchungen an Aza- und Thia-Derivaten von 12,13-Dihydro-11H-dibenzo[a,e]cyclononen. <i>Angewandte Chemie</i> , 1974 , 86, 812-813	3.6	4
22	Konformationsuntersuchungen an Aza- und Thia-Derivaten von 6,11,12,13-Tetrahydro-5H-dibenzo[a,e]cyclononen und 5,6,7,12,13,14-Hexahydrodibenzo[a,f]cyclodecen. <i>Angewandte Chemie</i> , 1974 , 86, 813-814	3.6	3
21	Konformationsuntersuchungen an Oxa-, Thia- und Aza-Derivaten von 7,8,13,14-Tetrahydrobenzo[1,2]cyclonona[5,6,7-de]naphthalin sowie an 8H,15H-7,16-Dioxacyclodeca[1,2,3-de:6,7,8-d?e?]dinaphthalin. <i>Angewandte Chemie</i> , 1974 , 86, 814-816	3.6	0
20	Conformational Studies on Aza and Thia Derivatives of 12,13-Dihydro-11H-dibenzo[a,e]cyclononene. <i>Angewandte Chemie International Edition in English</i> , 1974 , 13, 728-729		1
19	Conformational Studies on Aza and Thia Derivatives of 6,11,12,13-Tetrahydro-5H-dibenzo[a,e]cyclononene and 5,6,7,12,13,14-Hexahydrodibenzo[a,f]cyclodecene. <i>Angewandte Chemie International Edition in English</i> , 1974 , 13, 730-731		3
18	Conformational Studies on Oxa, Thia, and Aza Derivatives of 7,8,13,14-Tetrahydrobenzo[1,2]cyclonona[5,6,7-de]naphthalene and 8H, 15H-7,16-Dioxacyclodeca[1,2,3-de:6,7,8-d?e?]dinaphthalene. <i>Angewandte Chemie International Edition in English</i> , 1974 , 13, 731-732		1
17	The conformational behaviour of some medium-sized ring systems. <i>Tetrahedron</i> , 1974 , 30, 1903-1921	2.4	42
16	Synthesis of medium heterocyclic rings from 6-deoxy-D-allose. <i>Carbohydrate Research</i> , 1974 , 32, 279-285.	9	9
15	The conformational behaviour of 5,6,11,12,17,18-hexahydrotribenzo[a,e,i]-cyclododecaene and its derivatives. <i>Journal of the Chemical Society Chemical Communications</i> , 1973 , 638		6

14	Conformational behaviour of di-o-thymotide and di-o-carvocrotide. <i>Journal of the Chemical Society Chemical Communications</i> , 1973 , 571		12
13	Some structural features of the mucilage from the bark of <i>Ulmus fulva</i> (slippery elm mucilage). <i>Carbohydrate Research</i> , 1969 , 9, 429-439	2.9	15
12	Large heterocyclic rings from carbohydrate precursors. <i>Canadian Journal of Chemistry</i> , 1969 , 47, 3213-3215		8
11	Isochronous and anisochronous O-methylene protons in cyclic and acyclic acetals. <i>Journal of the American Chemical Society</i> , 1969 , 91, 4722-4724	16.4	2
10	Isolation of two arabinobioses from <i>Acacia nilotica</i> gum. <i>Canadian Journal of Chemistry</i> , 1968 , 46, 2311-2313		10
9	Medium heterocyclic rings from carbohydrate precursors. <i>Canadian Journal of Chemistry</i> , 1968 , 46, 3061-3069		16
8	Some structural features of citrus limonia gum (lemon gum). <i>Carbohydrate Research</i> , 1968 , 8, 29-42	2.9	21
7	Some observations on molecular weight estimations by molecular-sieve chromatography. <i>Analytica Chimica Acta</i> , 1966 , 34, 401-406	6.6	52
6	Towards a Rational Design of Molecular Switches and Sensors from their Basic Building Blocks		99-132 84
5	Molecular Motors and Muscles		293-327
4	Molecular Switches and Machines Using Arene Building Blocks		574-599 5
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1	Chiral Crown Ethers. <i>Topics in Stereochemistry</i>		207-288 65