

# Dynamic Combinatorial Chemistry and Virtual Combin

Chemistry - A European Journal

5, 2455-2463

DOI: 10.1002/(sici)1521-3765(19990903)5:9<2455::aid-chem2455>3.0.co;2-h

Citation Report

#	ARTICLE	IF	CITATIONS
1	Dynamic Combinatorial Chemistry. <i>Combinatorial Chemistry and High Throughput Screening</i> , 1970, 4, 53-74.	0.6	51
3	<i>Organische Chemie 1999. Nachrichten Aus Der Chemie</i> , 2000, 48, 264-290.	0.0	0
5	Guest-Templated Selection and Amplification of a Receptor by Noncovalent Combinatorial Synthesis. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 755-758.	7.2	88
10	Adaptive Self-Assembly: Environment-Induced Formation and Reversible Switching of Polynuclear Metallophthalocyanes. <i>Chemistry - A European Journal</i> , 2000, 6, 4140-4148.	1.7	137
11	Self-Assembly and Structure of Interconverting Multinuclear Inorganic Arrays: A [4 $\text{Å}$ –5]-Ag <sub>12</sub> O Grid and an Ag <sub>10</sub> Quadruple Helicate. <i>Chemistry - A European Journal</i> , 2000, 6, 4510-4517.	1.7	135
12	Controlled Assembly of Dinuclear Metallacycles into a Three-Dimensional Helical Array. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 2317-2320.	7.2	81
13	Dioxadiazadecalin/Salen Tautomeric Macrocycles and Complexes: Prototypal Dynamic Combinatorial Virtual Libraries. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 2685-2689.	7.2	48
14	Enantiomeric Self-Recognition: Cation-Templated Formation of Homochiral Isoguanosine Pentamers. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 3124-3127.	7.2	51
15	Target-Accelerated Combinatorial Synthesis and Discovery of Highly Potent Antibiotics Effective Against Vancomycin-Resistant Bacteria. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 3823-3828.	7.2	130
16	Chiral Quadridentate Ligands Derived from Amino Acids and Some Zinc Complexes Thereof. <i>European Journal of Inorganic Chemistry</i> , 2000, 2000, 1723-1731.	1.0	29
17	Molecular evolution: dynamic combinatorial libraries, autocatalytic networks and the quest for molecular function. <i>Current Opinion in Chemical Biology</i> , 2000, 4, 270-279.	2.8	159
18	Chemical information management in drug discovery: optimizing the computational and combinatorial chemistry interfaces <sup>11</sup> Color Plates for this article are on page 541.. <i>Journal of Molecular Graphics and Modelling</i> , 2000, 18, 512-524.	1.3	51
19	Self-assembly of 1- and 2-Dimensional Multicompartmental Arrays via the 2-Aminopyrimidine H-Bonding Motif and Selective Guest Inclusion. <i>Tetrahedron</i> , 2000, 56, 6701-6706.	1.0	23
21	Synergistic Effect of Serendipity and Rational Design in Supramolecular Chemistry. , 2000, , 149-175.		101
22	Molecular amplification in a dynamic combinatorial library using non-covalent interactions. <i>Chemical Communications</i> , 2000, , 1761-1762.	2.2	57
23	Covalent capture of dynamic hydrogen-bonded assemblies. <i>Chemical Communications</i> , 2000, , 367-368.	2.2	45
24	Combination of crystal-field dependent and independent paramagnetic NMR hyperfine shift analysis methods for investigating the solution structures of inert self-assembled heterodimetallic d <sup>4</sup> f supramolecular complexes. <i>Dalton Transactions RSC</i> , 2000, , 4587-4600.	2.3	35
25	Self- and hetero-recognition in the guest-controlled assembly of Pd(ii)-linked cages from two different ligands. <i>Chemical Communications</i> , 2000, , 1509-1510.	2.2	81

#	ARTICLE	IF	CITATIONS
26	Synthesis under reversible conditions of cyclic porphyrin dimers using palladium-catalysed allyl transesterification. <i>Chemical Communications</i> , 2000, , 1763-1764.	2.2	27
27	1:1 and 1:2 Complexation Thermodynamics of $\beta$ -Cyclodextrin with N-Carbobenzyloxy Aromatic Amino Acids and $\beta$ -Phenylalkanoic Acids. <i>Journal of the American Chemical Society</i> , 2000, 122, 10949-10955.	6.6	57
28	Dynamic Hemiacerands and Hemiacerplexes. <i>Organic Letters</i> , 2000, 2, 2411-2414.	2.4	111
29	The Effect of Varying Substituents on the Equilibrium Distribution and Conformation of Macrocyclic Steroidal N-Acyl Hydrazones. <i>Organic Letters</i> , 2000, 2, 1435-1438.	2.4	20
30	Isolated d $\pi$ - $\pi$ pairs in supramolecular complexes with tunable structural and electronic properties. <i>Dalton Transactions RSC</i> , 2000, , 3999-4006.	2.3	68
31	Let's Twist Again! Double-Stranded, Triple-Stranded, and Circular Helicates. <i>Chemical Reviews</i> , 2001, 101, 3457-3498.	23.0	1,303
32	On the scope and limitations of the Heck reaction of upper rim tetraiodocalix[4]arenes. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2001, , 3393-3398.	1.3	1
33	Applying biological principles to the assembly and selection of synthetic superstructures. <i>Chemical Society Reviews</i> , 2001, 30, 287-302.	18.7	164
34	Rapid Estimation of Hydrophobicity for Virtual Combinatorial Library Analysis. <i>SAR and QSAR in Environmental Research</i> , 2001, 12, 129-141.	1.0	12
35	Redistribution of terpy ligands" approaches to new dynamic combinatorial libraries. <i>Dalton Transactions RSC</i> , 2001, , 2864-2871.	2.3	65
36	Synthesis and structural characterisation of cadmium(II) and zinc(II) coordination polymers with an angular dipyriddy bridging ligand: parallel interpenetration of two-dimensional sheets with 4.82 topology. <i>Dalton Transactions RSC</i> , 2001, , 567-573.	2.3	59
37	Dynamic Assembly of Coordination Boxes from (en)Pd(II) Unit and a Rectangular Panel-Like Ligand: $^1$ H NMR, CSI-MS, and X-ray Studies. <i>Journal of the American Chemical Society</i> , 2001, 123, 980-981.	6.6	163
38	Recent progress in the design and synthesis of artificial enzymes. <i>Tetrahedron</i> , 2001, 57, 4663-4686.	1.0	255
39	Diazadioxadecalin and salen podands and macrocycles within dynamic combinatorial virtual libraries: structure, prototropy, complexation and enantioselective catalysis. <i>Journal of Organometallic Chemistry</i> , 2001, 630, 67-77.	0.8	29
40	Synthesis of tweezer-type receptors for the recognition of anions: observation of an additive effect of hydrogen bonds on nitrate binding. <i>Materials Science and Engineering C</i> , 2001, 18, 185-190.	3.8	17
41	Trifunctional Phosphane Ligands and Their Application in the Synthesis of Novel Cage-Structured Platinacyclophanes and Trinuclear Chain-Like Platinacycles by Self-Assembly. <i>European Journal of Inorganic Chemistry</i> , 2001, 2001, 2411-2419.	1.0	9
42	Dynamic Deconvolution of a Pre-Equilibrated Dynamic Combinatorial Library of Acetylcholinesterase Inhibitors. <i>ChemBioChem</i> , 2001, 2, 438-444.	1.3	143
49	Synthesis and Biological Evaluation of Vancomycin Dimers with Potent Activity against Vancomycin-Resistant Bacteria: Target-Accelerated Combinatorial Synthesis. <i>Chemistry - A European Journal</i> , 2001, 7, 3824-3843.	1.7	131

#	ARTICLE	IF	CITATIONS
50	Combinatorial Synthesis through Disulfide Exchange: Discovery of Potent Psammaplin A Type Antibacterial Agents Active against Methicillin-Resistant Staphylococcus aureus (MRSA). Chemistry - A European Journal, 2001, 7, 4280-4295.	1.7	85
51	Identification and Isolation of a Receptor for N-Methyl Alkylammonium Salts: Molecular Amplification in a Pseudo-peptide Dynamic Combinatorial Library. Angewandte Chemie - International Edition, 2001, 40, 423-428.	7.2	103
52	Combinatorial Libraries of Metal-Ligand Assemblies with an Encapsulated Guest Molecule. Angewandte Chemie - International Edition, 2001, 40, 733-736.	7.2	51
53	Using an Enzyme's Active Site To Template Inhibitors. Angewandte Chemie - International Edition, 2001, 40, 1774-1776.	7.2	72
54	Noncovalent Synthesis Using Hydrogen Bonding. Angewandte Chemie - International Edition, 2001, 40, 2382-2426.	7.2	1,110
55	Medicinal Chemistry: Challenges and Opportunities. Angewandte Chemie - International Edition, 2001, 40, 3341-3350.	7.2	108
56	Carbohydrate-Based Antibiotics: A New Approach to Tackling the Problem of Resistance. Angewandte Chemie - International Edition, 2001, 40, 3508.	7.2	112
57	Supramolecular design of one-dimensional coordination polymers based on silver(I) complexes of aromatic nitrogen-donor ligands. Coordination Chemistry Reviews, 2001, 222, 155-192.	9.5	1,129
58	Folding-driven synthesis of oligomers. Nature, 2001, 414, 889-893.	13.7	161
59	Striped iron zoning of olivine induced by dislocation creep in deformed peridotites. Nature, 2001, 414, 893-895.	13.7	46
60	Double-level "orthogonal" dynamic combinatorial libraries on transition metal template. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 1347-1352.	3.3	152
61	CHEMISTRY: Dynamic Combinatorial Chemistry. Science, 2001, 291, 2331-2332.	6.0	381
62	Guest-induced organization of an optimal receptor from a dynamic receptor library: Spectroscopic screening. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 4854-4856.	3.3	90
63	Target-induced formation of neuraminidase inhibitors from in vitro virtual combinatorial libraries. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 3382-3387.	3.3	146
64	"Size-selectivity" in the template-directed assembly of dinuclear triple-stranded helicates. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 4867-4872.	3.3	42
65	Dynamic chemical devices: Modulation of contraction/extension molecular motion by coupled-ion binding/pH change-induced structural switching. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 5201-5206.	3.3	278
66	Ligand Libraries for the Extraction of Metal Ions: Dynamic Combinatorial and High-Throughput Screening Methods. , 2002, 201, 215-226.		3
68	Dynamische kombinatorische Bibliotheken. Nachrichten Aus Der Chemie, 2002, 50, 724-727.	0.0	18

#	ARTICLE	IF	CITATIONS
69	Nanoscale Molecular Containers. Bulletin of the Chemical Society of Japan, 2002, 75, 393-413.	2.0	141
70	Toward complex matter: Supramolecular chemistry and self-organization. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 4763-4768.	3.3	1,221
71	Magnitudes and Chemical Consequences of R <sub>3</sub> N <sup>+</sup> ⋯C≡H⋯H <sub>2</sub> O Hydrogen Bonding. Journal of the American Chemical Society, 2002, 124, 7163-7169.	6.6	213
72	Lanthanide-Containing Molecular and Supramolecular Polymetallic Functional Assemblies. Chemical Reviews, 2002, 102, 1897-1928.	23.0	961
73	Anion exchange in co-ordination polymers: a solid-state or a solvent-mediated process?. CrystEngComm, 2002, 4, 426-431.	1.3	119
74	A kinetically inert and optically active Cr(III) partner in thermodynamically self-assembled heterodimetallic non-covalent d <sup>0</sup> podates. Dalton Transactions RSC, 2002, , 1929.	2.3	80
75	Reversible covalent chemistry of CO <sub>2</sub> . Chemical Communications, 2002, , 1450-1451.	2.2	52
76	Chemical biology of dynamic combinatorial libraries. Biochimica Et Biophysica Acta - General Subjects, 2002, 1572, 178-186.	1.1	99
77	Dynamic combinatorial chemistry. Drug Discovery Today, 2002, 7, 117-125.	3.2	81
78	Dynamic combinatorial chemistry. Drug Discovery Today, 2002, 7, 117-125.	3.2	107
80	Molekulare Verkapselung. Angewandte Chemie, 2002, 114, 1556-1578.	1.6	286
81	Title is missing!. Angewandte Chemie, 2002, 114, 4270-4272.	1.6	10
82	Total Synthesis of Leucascandrolide A. Angewandte Chemie, 2002, 114, 4272-4275.	1.6	34
83	How To Synthesize Macrocycles Efficiently by Using Virtual Combinatorial Libraries. Chemistry - A European Journal, 2002, 8, 793-798.	1.7	98
84	Dynamic Covalent Chemistry. Angewandte Chemie - International Edition, 2002, 41, 898-952.	7.2	2,245
85	Molecular Encapsulation. Angewandte Chemie - International Edition, 2002, 41, 1488-1508.	7.2	859
86	Dynamic Acylhydrazone Metal Ion Complex Libraries: A Mixed <sup>2+</sup> Ligand Approach to Increased Selectivity in Extraction. Angewandte Chemie - International Edition, 2002, 41, 4096-4098.	7.2	40
87	Total Synthesis of Leucascandrolide A. Angewandte Chemie - International Edition, 2002, 41, 4098-4101.	7.2	126

#	ARTICLE	IF	CITATIONS
88	Combinatorial carbohydrate chemistry. <i>Current Opinion in Chemical Biology</i> , 2002, 6, 289-296.	2.8	51
89	Crystal structure of a new oximato-bridged one-dimension(1D) chain-like copper complex polymer {[Cu <sub>4</sub> (dmg) <sub>2</sub> (Hdmg) <sub>2</sub> (H <sub>2</sub> dmg) <sub>2</sub> (H <sub>2</sub> O) <sub>2</sub> ](ClO <sub>4</sub> ) <sub>2</sub> }. <i>Inorganic Chemistry Communication</i> , 2002, 5, 1086-1089.	1.8	17
90	Assembly of P-Selectin Ligands on a Polymeric Template. <i>Chemistry and Biology</i> , 2002, 9, 757-762.	6.2	10
91	Supramolecular polymer chemistry?scope and perspectives. <i>Polymer International</i> , 2002, 51, 825-839.	1.6	471
92	Mesophase-derived nucleic acid (peptide) self-organizations visualized by scanning force microscopy. <i>Surface and Interface Analysis</i> , 2002, 33, 126-136.	0.8	0
93	Cation-directed self-assembly of lipophilic nucleosides: the cation's central role in the structure and dynamics of a hydrogen-bonded assembly. <i>Tetrahedron</i> , 2002, 58, 661-671.	1.0	56
94	Drug discovery by dynamic combinatorial libraries. <i>Nature Reviews Drug Discovery</i> , 2002, 1, 26-36.	21.5	459
95	Structural transitions in 4,4'-bipyridine adlayers on Au(111) – an electrochemical and in-situ STM-study. <i>Journal of Electroanalytical Chemistry</i> , 2002, 524-525, 20-35.	1.9	51
96	Toward Self-Organization and Complex Matter. <i>Science</i> , 2002, 295, 2400-2403.	6.0	2,107
97	Oxidative cyclization in the synthesis of 5- and 6-membered N,O-heterocycles. <i>Heteroatom Chemistry</i> , 2003, 14, 642-670.	0.4	11
98	Self-Assembly of Non-Biological Polymeric Strands Undergoing Enforced Helical Self-Organization. <i>Helvetica Chimica Acta</i> , 2003, 86, 3417-3426.	1.0	45
99	Medicines in the 21st century Or pills, politics, potions, and profits: Where is public policy?. <i>Drug Development Research</i> , 2003, 59, 269-291.	1.4	19
100	Synthesen mit anionischen Templaten. <i>Angewandte Chemie</i> , 2003, 115, 1498-1516.	1.6	58
101	Title is missing!. <i>Angewandte Chemie</i> , 2003, 115, 2221-2223.	1.6	31
103	Magic Ring Rotaxanes by Olefin Metathesis. <i>Angewandte Chemie</i> , 2003, 115, 3403-3407.	1.6	46
104	Title is missing!. <i>Angewandte Chemie</i> , 2003, 115, 3389-3392.	1.6	44
107	Dynamic Materials through Metal-Directed and Solvent-Driven Self-Assembly of Cavitands. <i>Angewandte Chemie</i> , 2003, 115, 1422-1425.	1.6	18
108	Selective Rearrangements of Quadruply Hydrogen-Bonded Dimer Driven by Donor – Acceptor Interaction. <i>Chemistry - A European Journal</i> , 2003, 9, 2904-2913.	1.7	107

#	ARTICLE	IF	CITATIONS
109	Novel Podands and Macrocycles with Diacetal (Tetraoxadecalin) Cores: Synthesis, Structure, Stereochemistry and Cation Inclusion. <i>Chemistry - A European Journal</i> , 2003, 9, 6071-6082.	1.7	7
110	A Novel Extended Covalent Tripod for Assembling Nine-Coordinate Lanthanide(III) Podates: A Delicate Balance between Flexibility and Rigidity. <i>Chemistry - A European Journal</i> , 2003, 9, 1062-1074.	1.7	31
111	Anion-Templated Synthesis. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 1460-1477.	7.2	347
112	Dynamic Covalent Chemistry on Self-Templating Peptides: Formation of a Disulfide-linked $\beta$ -Hairpin Mimic. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 2171-2173.	7.2	76
113	Solution-Phase Combinatorial Libraries: Modulating Cellular Signaling by Targeting Protein-Protein or Protein-DNA Interactions. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 4138-4176.	7.2	173
114	Magic Ring Rotaxanes by Olefin Metathesis. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 3281-3285.	7.2	124
115	PdII-Directed Dynamic Assembly of a Dodecapyridine Ligand into End-Capped and Open Tubes: The Importance of Kinetic Control in Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 3267-3270.	7.2	117
116	Amplification of Dynamic Chiral Crown Ether Complexes During Cyclic Acetal Formation. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 4220-4224.	7.2	83
117	Adaptive Behavior of Dynamic Combinatorial Libraries Generated by Assembly of Different Building Blocks. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 3821-3825.	7.2	122
118	Dynamic Materials through Metal-Directed and Solvent-Driven Self-Assembly of Cavitands. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 1384-1387.	7.2	81
119	A novel 2D polymeric structure of Cu-Na complex, in which phthalate gives seven coordination sites. <i>Inorganic Chemistry Communication</i> , 2003, 6, 1433-1435.	1.8	8
120	Two novel three-dimensional coordination polymers with $[Ag(CN)_2]^-$ as bridging ligands: synthesis and structural characterization of $\{KMn[Ag(CN)_2]_3(H_2O)_n\}$ and $\{Mn[Ag(CN)_2]_2(bpy)_2\}_n$ ( $bpy=4,4'$ -bipyridine). <i>Inorganic Chemistry Communication</i> , 2003, 6, 873-876.	1.8	33
121	Synthesis of Enantiomerically Pure 1,2-Diamine Derivatives of 7-Azabicyclo[2.2.1]heptane. New Leads as Glycosidase Inhibitors and Rigid Scaffolds for the Preparation of Peptide Analogues. <i>Journal of Organic Chemistry</i> , 2003, 68, 5632-5640.	1.7	33
122	Peer Reviewed: Molecularly Imprinted Polymers: The Next Generation. <i>Analytical Chemistry</i> , 2003, 75, 376 A-383 A.	3.2	343
123	Stereoselective Association of Binuclear Metallacycles in Coordination Polymers. <i>Journal of the American Chemical Society</i> , 2003, 125, 6753-6761.	6.6	106
124	Optimizing the reversibility of hydrazone formation for dynamic combinatorial chemistry. <i>Chemical Communications</i> , 2003, , 942.	2.2	133
125	The synthesis of trianglimines: on the scope and limitations of the [3 + 3] cyclocondensation reaction between (1R,2R)-diaminocyclohexane and aromatic dicarboxaldehydes. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 1157-1170.	1.5	103
126	“Magic Rod” Rotaxanes: The Hydrogen Bond-Directed Synthesis of Molecular Shuttles under Thermodynamic Control. <i>Organic Letters</i> , 2003, 5, 1907-1910.	2.4	78

#	ARTICLE	IF	CITATIONS
127	Zinc Hydrolases. , 2003, , 601-640.		17
128	Generation of Bis-Cationic Heterocyclic Inhibitors of Bacillus subtilis HPr Kinase/Phosphatase from a Ditopic Dynamic Combinatorial Library. Journal of Medicinal Chemistry, 2003, 46, 5803-5811.	2.9	61
129	Probing the aqueous copper(ii) coordination chemistry of bifunctional chelating amino acid ligands with a luminescent ruthenium chromophore. Dalton Transactions, 2003, , 612-618.	1.6	10
131	Self-organization by selection: Generation of a metallocsupramolecular grid architecture by selection of components in a dynamic library of ligands. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 11970-11974.	3.3	140
132	[General Articles] Recent Developments in the Synthesis and Discovery of Oligosaccharides and Glycoconjugates for the Treatment of Disease. Current Medicinal Chemistry, 2003, 10, 2733-2773.	1.2	38
133	Self-Assembly: Definition and Kinetic and Thermodynamic Considerations. , 2004, , 1248-1256.		7
134	Self-Assembly: Terminology. , 2004, , 1263-1269.		4
135	Spontaneous Formation of Homochiral Supramolecular Architectures. , 2004, , 1349-1359.		1
136	Using microscopic techniques to reveal the mechanism of anion exchange in crystalline co-ordination polymers. Journal of Microscopy, 2004, 214, 261-271.	0.8	39
137	Synthesizing Macrocycles under Thermodynamic Control â€“ Dynamic Combinatorial Libraries and Templates. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2004, 49, 81-84.	1.6	14
138	Supramolecular Polymeric Macrocyclic Receptors â€“ Hybrid Carrier versus Channel Transporters in Bulk Liquid Membranes. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2004, 49, 133-137.	1.6	50
139	A Perspective of One-Pot Pyrrole-Aldehyde Condensations as Versatile Self-Assembly Processes. Angewandte Chemie - International Edition, 2004, 43, 1918-1931.	7.2	152
140	G-Quartets 40 Years Later: From 5â€™-GMP to Molecular Biology and Supramolecular Chemistry. Angewandte Chemie - International Edition, 2004, 43, 668-698.	7.2	1,486
141	Templated Ligand Assembly by Using G-Quadruplex DNA and Dynamic Covalent Chemistry. Angewandte Chemie - International Edition, 2004, 43, 1143-1146.	7.2	74
142	The Exclusivity of Multivalency in Dynamic Covalent Processes. Angewandte Chemie - International Edition, 2004, 43, 3273-3278.	7.2	68
143	Selecting Different Complexes from a Dynamic Combinatorial Library of Coordination Compounds. Angewandte Chemie - International Edition, 2004, 43, 6662-6666.	7.2	78
144	Use of Dynamic Combinatorial Chemistry for the Identification of Covalently Appended Residues that Stabilize Oligonucleotide Complexes. Angewandte Chemie - International Edition, 2004, 43, 3144-3147.	7.2	52
145	Catalytic Self-Screening of Cholinesterase Substrates from a Dynamic Combinatorial Thioester Library. Angewandte Chemie - International Edition, 2004, 43, 3716-3718.	7.2	93



#	ARTICLE	IF	CITATIONS
146	Generation of Dynamic Constitutional Diversity and Driven Evolution in Helical Molecular Strands under Lewis Acid Catalyzed Component Exchange. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 4902-4906.	7.2	92
147	Borromean Rings: A One-Pot Synthesis. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 4399-4401.	7.2	61
148	The Hydrophobic Effect as a Driving Force in the Self-Assembly of a [2+2] Copper(I) Grid. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 6724-6727.	7.2	46
159	Selective Host Amplification from a Dynamic Combinatorial Library of Oligoimines for the Syntheses of Different Optically Active Polyazamacrocycles. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 1117-1127.	1.2	79
160	Dynamic Combinatorial Carbohydrate Libraries: Probing the Binding Site of the Concanavalin A Lectin. <i>Chemistry - A European Journal</i> , 2004, 10, 1711-1715.	1.7	126
161	The Advantage of Being Virtual—Target-Induced Adaptation and Selection in Dynamic Combinatorial Libraries. <i>Chemistry - A European Journal</i> , 2004, 10, 2565-2580.	1.7	173
162	Combinatorial Chemistry Approach to Chiral Catalyst Engineering and Screening: Rational Design and Serendipity. <i>Chemistry - A European Journal</i> , 2004, 10, 2872-2884.	1.7	131
163	Synthesis of cyclic oligomers of a modified sugar amino acid utilising dynamic combinatorial chemistry. <i>Tetrahedron Letters</i> , 2004, 45, 9281-9284.	0.7	32
164	A dynamic combinatorial screen for novel imine reductase activity. <i>Tetrahedron</i> , 2004, 60, 753-758.	1.0	46
165	Generation of a dynamic combinatorial library using sialic acid aldolase and in situ screening against wheat germ agglutinin. <i>Tetrahedron</i> , 2004, 60, 771-780.	1.0	35
166	Donor-acceptor interaction-mediated arrangement of hydrogen bonded dimers. <i>Tetrahedron</i> , 2004, 60, 8275-8284.	1.0	32
167	Dynamers: Polyacylhydrazone reversible covalent polymers, component exchange, and constitutional diversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 8270-8275.	3.3	292
168	Coupling a Natural Receptor Protein with an Artificial Receptor to Afford a Semisynthetic Fluorescent Biosensor. <i>Journal of the American Chemical Society</i> , 2004, 126, 490-495.	6.6	69
169	Supramolecular chemistry: from molecular information towards self-organization and complex matter. <i>Reports on Progress in Physics</i> , 2004, 67, 249-265.	8.1	184
170	Dynamers: dynamic molecular and supramolecular polymers. <i>Progress in Polymer Science</i> , 2005, 30, 814-831.	11.8	572
171	Target-induced selection of ligands from a dynamic combinatorial library of mono- and bi-conjugated oligonucleotides. <i>Tetrahedron Letters</i> , 2005, 46, 687-690.	0.7	25
172	The use of deep cavity tetraformyl calix[4]arenes in the synthesis of static and dynamic macrocyclic libraries. <i>Tetrahedron Letters</i> , 2005, 46, 2059-2062.	0.7	9
173	Synthesis of side-chain functionalised ligands for the generation of quartet receptor arrays via self-assembly of [2+2] grid complexes. <i>Tetrahedron Letters</i> , 2005, 46, 6349-6353.	0.7	15

#	ARTICLE	IF	CITATIONS
174	Self-assembly of a new series of quadruply hydrogen bonded heterotrimers driven by the donor-acceptor interaction. <i>Tetrahedron</i> , 2005, 61, 9600-9610.	1.0	7
175	Optimization of the binding properties of a synthetic anion receptor using rational and combinatorial strategies. <i>Biosensors and Bioelectronics</i> , 2005, 20, 2364-2375.	5.3	36
176	Synthesis and structure-activity relationships of novel benzene sulfonamides with potent binding affinity for bovine carbonic anhydrase II. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 5429-5433.	1.0	17
177	Reversible Diels-Alder Reactions for the Generation of Dynamic Combinatorial Libraries. <i>Organic Letters</i> , 2005, 7, 15-18.	2.4	133
178	Carbon dioxide and supramolecular chemistry. <i>Chemical Communications</i> , 2005, , 2651.	2.2	56
179	Supramolecular Copper Phenanthroline Racks: Structures, Mechanistic Insight and Dynamic Nature. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 1841-1849.	1.0	25
180	Dynamic Combinatorial Chemistry: Lysozyme Selects an Aromatic Motif That Mimics a Carbohydrate Residue. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 965-969.	7.2	54
181	Targeting Nucleic Acid Secondary Structures with Polyamides Using an Optimized Dynamic Combinatorial Approach. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 5736-5739.	7.2	53
184	Synthesis and absolute configuration assignment of 5-amino-1,3,5-triphenyl-pentane-1,3-diol stereoisomers. <i>Chirality</i> , 2005, 17, 63-72.	1.3	7
185	Receptor-Assisted Combinatorial Chemistry: Thermodynamics and Kinetics in Drug Discovery. <i>Chemistry - A European Journal</i> , 2005, 11, 1708-1716.	1.7	82
186	Recognition of Anions by Synthetic Receptors in Aqueous Solution. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2005, 52, 137-187.	1.6	215
187	Cyclophane-lectin Conjugates as a New Class of Water-soluble Host. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2005, 53, 57-61.	1.6	7
188	Chlorobis(dimethylglyoximate)(isonicotinic acid)cobalt(III) monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, m1156-m1158.	0.2	3
189	Bis(2-aminoethylammonium- $\mu^2$ )bis(dimethylglyoximate- $\mu^2$ )cobalt(III) dichloro(dimethylglyoximate- $\mu^2$ )(dimethylglyoximate- $\mu^2$ )cobaltate(III) dichloride 0.75-hydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, m1185-m1187.	0.2	3
190	Structure-stability correlations for imine formation in aqueous solution. <i>Journal of Physical Organic Chemistry</i> , 2005, 18, 979-985.	0.9	235
192	Gelation-driven component selection in the generation of constitutional dynamic hydrogels based on guanine-quartet formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 5938-5943.	3.3	329
193	Magic Ring Catenation by Olefin Metathesis. <i>Organic Letters</i> , 2005, 7, 2129-2132.	2.4	148
194	Selection experiments with dynamic combinatorial libraries: the importance of the target concentration. <i>Chemical Communications</i> , 2005, , 1471.	2.2	60

#	ARTICLE	IF	CITATIONS
195	Dynamic nanoscale Borromean links. <i>Chemical Communications</i> , 2005, , 3391.	2.2	43
196	Template-Directed Olefin Cross Metathesis. <i>Organic Letters</i> , 2005, 7, 4213-4216.	2.4	48
197	Double dynamers: molecular and supramolecular double dynamic polymers. <i>Chemical Communications</i> , 2005, , 1519.	2.2	101
198	Formation and Recognition Properties of Dynamic Combinatorial Libraries. , 2005, , 299-332.		3
199	Transamidation Catalyzed by a Recoverable and Reusable PolyDMAPâ€­Based Hafnium Chloride and Montmorillonite KSF. <i>Synthetic Communications</i> , 2005, 35, 2847-2858.	1.1	44
200	Controlling Capture and Release of Guests from Cross-Linked Supramolecular Polymers. <i>Organic Letters</i> , 2005, 7, 3223-3226.	2.4	23
201	Reactivity of Grubbs' Catalysts with Urea- and Amide-Substituted Olefins. Metathesis and Isomerization. <i>Journal of Organic Chemistry</i> , 2005, 70, 8235-8238.	1.7	42
202	New directions in supramolecular transition metal catalysis. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 2371.	1.5	174
203	Neutral Metallomacrocycles with Four or Ten (PEt <sub>3</sub> )Pd(II) Centers. <i>Inorganic Chemistry</i> , 2005, 44, 160-162.	1.9	35
204	The Marine Bromotyrosine Derivatives. <i>The Alkaloids Chemistry and Biology</i> , 2005, 61, 59-262.	0.8	68
205	Dynamic polymer blendsâ€­component recombination between neat dynamic covalent polymers at room temperature. <i>Chemical Communications</i> , 2005, , 1522-1524.	2.2	126
206	Driven Evolution of a Constitutional Dynamic Library of Molecular Helices Toward the Selective Generation of [2 Å— 2] Gridlike Arrays under the Pressure of Metal Ion Coordination. <i>Journal of the American Chemical Society</i> , 2006, 128, 16748-16763.	6.6	93
207	Dynamic covalent polymers based upon carbene dimerization. <i>Chemical Communications</i> , 2006, , 1727.	2.2	141
208	Controlled release of volatile aldehydes and ketones by reversible hydrazone formation â€­ â€­classicalâ€­ profragrances are getting dynamic. <i>Chemical Communications</i> , 2006, , 2965-2967.	2.2	79
209	Kinetically locked, trinuclear Ru(II)-metallo-macrocyclesâ€­synthesis, electrochemical, and optical properties. <i>Dalton Transactions</i> , 2006, , 2900-2906.	1.6	24
210	Combinatorial receptor findingâ€­large and random vs. small and focused libraries. <i>New Journal of Chemistry</i> , 2006, 30, 1377-1385.	1.4	22
211	Hydroxy- and Mercaptopyridine Pincer Platinum and Palladium Complexes Generated by Silver-Free Halide Abstraction. <i>Inorganic Chemistry</i> , 2006, 45, 2045-2054.	1.9	22
212	Highly diastereoselective amplification from a dynamic combinatorial library of macrocyclic oligoimines. <i>Chemical Communications</i> , 2006, , 2224-2226.	2.2	55

#	ARTICLE	IF	CITATIONS
213	Thiocolchicine-Podophyllotoxin Conjugates: Dynamic Libraries Based on Disulfide Exchange Reaction. <i>Journal of Organic Chemistry</i> , 2006, 71, 2848-2853.	1.7	61
214	SELEX and dynamic combinatorial chemistry interplay for the selection of conjugated RNA aptamers. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 4082.	1.5	50
215	Combinatorial Chemistry in the Drug Discovery Process. , 2006, , 129-167.		5
216	Homo- and Heteroassemblies of Lactim/Lactam Recognition Patterns on Highly Ordered Pyrolytic Graphite: An STM Investigation. <i>Langmuir</i> , 2006, 22, 7579-7586.	1.6	31
217	Dynamic Combinatorial Chemistry. <i>Chemical Reviews</i> , 2006, 106, 3652-3711.	23.0	1,707
221	Design of Multi-Component Reactions: From Libraries of Compounds to Libraries of Reactions. <i>QSAR and Combinatorial Science</i> , 2006, 25, 423-431.	1.5	105
222	Mass spectrometry as a tool in dendrimer chemistry: from self-assembling dendrimers to dendrimer gas-phase host-guest chemistry. <i>Journal of Physical Organic Chemistry</i> , 2006, 19, 479-490.	0.9	29
223	Anions as templates in coordination and supramolecular chemistry. <i>Coordination Chemistry Reviews</i> , 2006, 250, 3161-3189.	9.5	267
224	Quartz crystal microbalance bioaffinity sensor for rapid identification of glycosyldisulfide lectin inhibitors from a dynamic combinatorial library. <i>Biosensors and Bioelectronics</i> , 2006, 22, 42-48.	5.3	56
225	Fragment-based drug discovery of carbonic anhydrase II inhibitors by dynamic combinatorial chemistry utilizing alkene cross metathesis. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 3275-3284.	1.4	61
226	Dynamic combinatorial library for fullerene receptors based on metal-assisted self-assembly. <i>Tetrahedron Letters</i> , 2006, 47, 7915-7918.	0.7	13
227	Direct screening of a dynamic combinatorial library using mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2006, 17, 1074-1080.	1.2	71
228	Amplification of Bifunctional Ligands for Calmodulin from a Dynamic Combinatorial Library. <i>Chemistry - A European Journal</i> , 2006, 12, 1081-1087.	1.7	50
229	Utilization of Self-Sorting Processes To Generate Dynamic Combinatorial Libraries with New Network Topologies. <i>Chemistry - A European Journal</i> , 2006, 12, 1058-1066.	1.7	102
230	Tunable Fluorene-Based Dynamers through Constitutional Dynamic Chemistry. <i>Chemistry - A European Journal</i> , 2006, 12, 1723-1735.	1.7	109
231	Protonic and Temperature Modulation of Constituent Expression by Component Selection in a Dynamic Combinatorial Library of Imines. <i>Chemistry - A European Journal</i> , 2006, 12, 1715-1722.	1.7	125
232	Messages in Molecules: Ligand/Cation Coding and Self-Recognition in a Constitutionally Dynamic System of Heterometallic Double Helicates. <i>Chemistry - A European Journal</i> , 2006, 12, 5632-5641.	1.7	71
233	Conjecture: Imines as Unidirectional Photodriven Molecular Motors-Motional and Constitutional Dynamic Devices. <i>Chemistry - A European Journal</i> , 2006, 12, 5910-5915.	1.7	153

#	ARTICLE	IF	CITATIONS
234	DyNAs: Constitutional Dynamic Nucleic Acid Analogues. <i>Chemistry - A European Journal</i> , 2006, 12, 8581-8588.	1.7	59
235	Target-Assisted Selection of Galactosyltransferase Binders from Dynamic Combinatorial Libraries. An Unexpected Solution with Restricted Amounts of the Enzyme. <i>ChemBioChem</i> , 2006, 7, 1023-1027.	1.3	33
236	Molecular Recognition of a Three-Way DNA Junction by a Metallosupramolecular Helicate. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 1227-1231.	7.2	278
237	Shape-Persistent Macrocycles: Structures and Synthetic Approaches from Arylene and Ethynylene Building Blocks. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4416-4439.	7.2	513
238	One-Pot, 18-Component Synthesis of an Octahedral Nanocontainer Molecule. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 901-904.	7.2	211
239	Dynamic Combinatorial Chemistry: The Unexpected Choice of Receptors by Guest Molecules. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2660-2663.	7.2	74
240	Imposing a Three-Way Junction on DNA or Recognizing One: A Metal Triple Helicate Meets Double Helix. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2503-2505.	7.2	26
241	Electric-Field Modulation of Component Exchange in Constitutional Dynamic Liquid Crystals. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4619-4624.	7.2	90
242	Dynamic Covalently Bonded Rotaxanes Cross-Linked by Imine Bonds between the Axle and Ring: Inverse Temperature Dependence of Subunit Mobility. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4281-4286.	7.2	68
243	Anion-Templated Syntheses of Pseudopeptidic Macrocycles. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 6155-6159.	7.2	81
244	Highly Symmetrical Tetranuclear Cluster Complexes Supported by <i>tert</i> -Butylsulfonylcalix[4]arene as a Cluster-Forming Ligand. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 1765-1770.	1.0	40
245	Dynamic Combinatorial Thiolester Libraries for Efficient Catalytic Self-Screening of Hydrolase Substrates. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 285-291.	1.2	32
246	Polyols as Templates for the Synthesis of Macrocycles from Boronic Acid Building Blocks. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 909-915.	1.2	15
247	Direct Composition Analysis of a Dynamic Library of Imines in an Aqueous Medium. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 5441-5444.	1.2	26
248	Electronic Conduction in Photoactive Metallo-wires. , 2006, , 26-89.		11
258	Solid-Phase Organic Synthesis (SPOS) of Modulators of Estrogenic and Androgenic Action. <i>Mini-Reviews in Medicinal Chemistry</i> , 2006, 6, 37-52.	1.1	14
259	Syntheses and structures of $M\text{-Na}$ ( $M=\text{Zn, Mn}$ ) coordination polymers in which ligands and Na ions exhibit complex coordination modes. <i>Journal of Coordination Chemistry</i> , 2006, 59, 2005-2014.	0.8	8
260	Dynamic Ligand Assembly. , 2007, , 959-976.		6

#	ARTICLE	IF	CITATIONS
261	Virtual Screening in Drug Discovery - A Computational Perspective. <i>Current Protein and Peptide Science</i> , 2007, 8, 329-351.	0.7	275
262	Natural Product Sources of Drugs: Plants, Microbes, Marine Organisms, and Animals. , 2007, , 355-403.		3
264	Development of New Methods to Introduce Unnatural Functional Molecules into Native Proteins for Protein Engineering. <i>Bulletin of the Chemical Society of Japan</i> , 2007, 80, 1268-1279.	2.0	10
265	Solvent-modulated reversible conversion of a [2Å–2]-grid into a pincer-like complex. <i>Chemical Communications</i> , 2007, , 237-239.	2.2	76
266	Metal-directed assembly of combinatorial librariesâ€™ principles and establishment of equilibrated libraries with oligopyridine ligands. <i>New Journal of Chemistry</i> , 2007, 31, 1437.	1.4	31
267	Two Galactosyltransferases' Selection of Different Binders from the Same Uridine-Based Dynamic Combinatorial Library. <i>ACS Combinatorial Science</i> , 2007, 9, 1-4.	3.3	22
268	Crystallization-driven constitutional changes of dynamic polymers in response to neat/solution conditions. <i>Chemical Communications</i> , 2007, , 4363.	2.2	57
269	Template-directed synthesis employing reversible imine bond formation. <i>Chemical Society Reviews</i> , 2007, 36, 1705.	18.7	491
270	The Development of Artificial Receptors for Small Peptides Using Combinatorial Approaches. , 2007, , 3-30.		20
271	Dynamic Combinatorial Libraries Based on Hydrogen-Bonded Molecular Boxes. <i>Chemistry - A European Journal</i> , 2007, 13, 2377-2385.	1.7	20
272	Mixed-Metal (Platinum, Palladium), Mixed-Pyrimidine (Uracil, Cytosine) Self-Assembling Metallacalix[n]arenes: Dynamic Combinatorial Chemistry with Nucleobases and Metal Species. <i>Chemistry - A European Journal</i> , 2007, 13, 6019-6039.	1.7	61
273	Multicomponent Dynamic Covalent Assembly of a Rhombicuboctahedral Nanocapsule. <i>Chemistry - A European Journal</i> , 2007, 13, 8953-8959.	1.7	109
274	Catalytic Metathesis of Simple Secondary Amides. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 761-763.	7.2	27
275	Solvato-Controlled Assembly of Pd3L6 and Pd4L8 Coordination â€™Boxesâ€™. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 2819-2822.	7.2	173
276	Controlled Release of Volatiles under Mild Reaction Conditions: From Nature to Everyday Products. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 5836-5863.	7.2	165
280	Controlled Release of Volatile Aldehydes and Ketones from Dynamic Mixtures Generated by Reversible Hydrazone Formation. <i>Helvetica Chimica Acta</i> , 2007, 90, 2281-2314.	1.0	64
281	Controlled Formation of Mixed-Metal Macrocycles Using Dynamic Exchange Processes and Steric Constraints. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 694-700.	1.0	22
282	Coordination Assemblies of Metallacyclic, Prismatic and Tubular Molecular Architectures Based on the Nonâ€™rigid Ligands. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 2997-3010.	1.0	113

#	ARTICLE	IF	CITATIONS
283	Ring-slipped (2,2'-bipyridine)( $\eta^3$ -cyclopentadienyl)( $\eta^5$ -cyclopentadienyl)vanadium(II) and Its Oxidation to (2,2'-bipyridine)bis( $\eta^5$ -cyclopentadienyl)vanadium(III) Tetraphenylborate. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 5168-5172.	1.0	11
284	L-Lysine-linked anthracenophane derived from thermodynamically controlled intermediates. <i>Tetrahedron Letters</i> , 2007, 48, 3225-3228.	0.7	4
285	Effects of oxygen-sulfur substitution on glycosaminoglycan-priming naphthoxylosides. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 5283-5299.	1.4	18
286	Nanoprocessability of a one-dimensional oxalato-bridged cobalt(II) complex with 1,2,4-triazole. <i>Inorganica Chimica Acta</i> , 2007, 360, 48-54.	1.2	23
287	A simple one-pot multicomponent synthesis of an octahedral nanocontainer molecule. <i>Nature Protocols</i> , 2007, 2, 1288-1296.	5.5	16
288	From supramolecular chemistry towards constitutional dynamic chemistry and adaptive chemistry. <i>Chemical Society Reviews</i> , 2007, 36, 151-160.	18.7	1,675
289	Soft-to-hard transformation of the mechanical properties of dynamic covalent polymers through component incorporation. <i>Chemical Communications</i> , 2007, , 46-48.	2.2	101
290	Locking self-assembly: strategies and outcomes. <i>Chemical Society Reviews</i> , 2007, 36, 856.	18.7	90
291	Chapter 16. Discovery and Extrapolation of Fragment Structures towards Drug Design. <i>RSC Biomolecular Sciences</i> , 2007, , 293-318.	0.4	1
292	Supramolecular chemistry's general principles and selected examples from anion recognition and metallocsupramolecular chemistry. <i>Die Naturwissenschaften</i> , 2007, 94, 951-966.	0.6	53
293	Soluble dynamic coordination polymers as a paradigm for materials science. <i>Coordination Chemistry Reviews</i> , 2008, 252, 199-211.	9.5	131
294	The Entropy Balance of Nostocyclopeptide Macrocyclization Analysed by NMR Spectroscopy. <i>ChemBioChem</i> , 2008, 9, 2597-2601.	1.3	16
295	Acid-Catalyzed Nucleophilic Aromatic Substitution: Experimental and Theoretical Exploration of a Multistep Mechanism. <i>Chemistry - A European Journal</i> , 2008, 14, 3954-3960.	1.7	23
296	Synthesis of Axially Chiral 4,4'-bipyridines and Their Remarkably Selective Self-Assembly into Chiral Metallo-Supramolecular Squares. <i>Chemistry - A European Journal</i> , 2008, 14, 3855-3859.	1.7	59
297	Selective Extraction of G-Quadruplex Ligands from a Rationally Designed Scaffold-Based Dynamic Combinatorial Library. <i>Chemistry - A European Journal</i> , 2008, 14, 9487-9490.	1.7	17
298	Click Chemistry and Medicinal Chemistry: A Case of Cyclo-Addiction. <i>ChemMedChem</i> , 2008, 3, 715-723.	1.6	185
299	Synthesis of Components for the Generation of Constitutional Dynamic Analogues of Nucleic Acids. <i>Helvetica Chimica Acta</i> , 2008, 91, 1-20.	1.0	26
300	Glycodynamers: Dynamic analogs of arabinofuranoside oligosaccharides. <i>Biopolymers</i> , 2008, 89, 486-496.	1.2	38

#	ARTICLE	IF	CITATIONS
301	Supramolecular Coordination Chemistry: The Synergistic Effect of Serendipity and Rational Design. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8794-8824.	7.2	472
302	DOSY NMR Experiments as a Tool for the Analysis of Constitutional and Motional Dynamic Processes: Implementation for the Driven Evolution of Dynamic Combinatorial Libraries of Helical Strands. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2235-2239.	7.2	86
303	Glycodynamers: Fluorescent Dynamic Analogues of Polysaccharides. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 3556-3559.	7.2	100
304	Combinatorial Transition-Metal Catalysis: Mixing Monodentate Ligands to Control Enantio-, Diastereo-, and Regioselectivity. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2556-2588.	7.2	240
305	Reversible Switching between Macrocyclic and Polymeric States by Morphological Control in a Constitutional Dynamic System. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2240-2243.	7.2	69
306	Exploring the Differential Recognition of DNA G-Quadruplex Targets by Small Molecules Using Dynamic Combinatorial Chemistry. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2677-2680.	7.2	101
307	Host-Guest Driven Self-Assembly of Linear and Star Supramolecular Polymers. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4504-4508.	7.2	115
308	Self-Assembly of a Cavitand-Based Capsule by Dynamic Boronic Ester Formation. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6255-6258.	7.2	106
309	Self-Assembly of a Nanoscopic Pt <sub>12</sub> Fe <sub>12</sub> Heterometallic Open Molecular Box Containing Six Porphyrin Walls. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8455-8459.	7.2	153
310	A Simple Synthetic Replicator Amplifies Itself from a Dynamic Reagent Pool. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9965-9970.	7.2	140
322	Discovery of an Aurora kinase inhibitor through site-specific dynamic combinatorial chemistry. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 3978-3981.	1.0	66
323	Dynamic covalent chemistry of a boronylammonium ion and a crown ether: formation of a C <sub>3</sub> -symmetric [4]rotaxane. <i>Tetrahedron Letters</i> , 2008, 49, 3449-3452.	0.7	32
324	Metallodynamers: Neutral Double-Dynamic Metallosupramolecular Polymers. <i>Chemistry - an Asian Journal</i> , 2008, 3, 1324-1335.	1.7	31
325	One-pot synthesis of a shape-persistent endo-functionalised nano-sized adamantoid compound. <i>Chemical Communications</i> , 2008, , 4756.	2.2	168
326	Edge-Directed Dynamic Covalent Synthesis of a Chiral Nanocube. <i>Journal of the American Chemical Society</i> , 2008, 130, 7520-7521.	6.6	200
327	Target-driven selection in a dynamic nitrene library. <i>Chemical Communications</i> , 2008, , 4076.	2.2	32
328	Artificial Receptors. , 2008, 109, 97-122.		10
329	Synergistic effect of binary component ligands in chiral catalyst library engineering for enantioselective reactions. <i>Chemical Communications</i> , 2008, , 909.	2.2	63



#	ARTICLE	IF	CITATIONS
330	Component exchange as a synthetically advantageous strategy for the preparation of bicyclic cage compounds. <i>Chemical Communications</i> , 2008, , 2337.	2.2	10
331	Enantiopure, Supramolecular Helices Containing Three-Dimensional Tetranuclear Lanthanide(III) Arrays: Synthesis, Structure, Properties, and Solvent-Driven Trinuclear/Tetranuclear Interconversion. <i>Inorganic Chemistry</i> , 2008, 47, 8000-8015.	1.9	36
332	Hydrogen Bonding-Directed Multicomponent Dynamic Covalent Assembly of Mono- and Bimacrocycles. Self-Sorting and Macrocycle Exchange. <i>Journal of Organic Chemistry</i> , 2008, 73, 9403-9410.	1.7	58
333	Self-Sorting Molecular Clips. <i>Journal of Organic Chemistry</i> , 2008, 73, 5915-5925.	1.7	67
334	Entropy- and Hydrolytic-Driven Positional Switching of Macrocycle between Imine- and Hydrogen-Bonding Stations in Rotaxane-Based Molecular Shuttles. <i>Journal of the American Chemical Society</i> , 2008, 130, 13981-13988.	6.6	69
335	Time-Dependence Structures of Coordination Network Wires in Solution. <i>ACS Nano</i> , 2008, 2, 2051-2056.	7.3	28
336	Supramolecular Control for the Modular Synthesis of Pseudopeptidic Macrocycles through an Anion-Templated Reaction. <i>Journal of the American Chemical Society</i> , 2008, 130, 6137-6144.	6.6	93
337	Sequence-Specific, Dynamic Covalent Crosslinking in Aqueous Media. <i>Journal of the American Chemical Society</i> , 2008, 130, 491-500.	6.6	58
338	Manipulating Replication Processes within a Dynamic Covalent Framework. <i>Organic Letters</i> , 2008, 10, 4589-4592.	2.4	41
339	Crystallization-Induced Secondary Selection from a Tandem Driven Dynamic Combinatorial Resolution Process. <i>Journal of Organic Chemistry</i> , 2008, 73, 3593-3595.	1.7	45
340	Dynamic Combinatorial Libraries Constructed on Polymer Scaffolds. <i>Organic Letters</i> , 2008, 10, 3291-3294.	2.4	45
341	Multi-Component Synthesis of Tetracavitand Nanocapsules. <i>Supramolecular Chemistry</i> , 2008, 20, 41-50.	1.5	13
342	Anion Templates in Synthesis and Dynamic Combinatorial Libraries. , 2008, , 175-206.		33
343	Dynamic combinatorial chemistry: on the road to fulfilling the promise. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 219-226.	1.5	239
344	Towards Complex Matter: Supramolecular Chemistry and Self-organization. <i>European Review</i> , 2009, 17, 263-280.	0.4	85
345	Molybdenum(VI) network polymers based on anion-π interaction and hydrogen bonding: Synthesis, crystal structures and oxidation catalytic application. <i>Solid State Sciences</i> , 2009, 11, 1955-1960.	1.5	3
346	Dynamic template-assisted strategies in fragment-based drug discovery. <i>Trends in Biotechnology</i> , 2009, 27, 512-521.	4.9	45
347	The use of combinatorial chemistry methodologies to discover novel chemotherapeutic agents. <i>Drug Discovery Today</i> , 2009, 14, 108-110.	3.2	6

#	ARTICLE	IF	CITATIONS
353	Electricâ€Field Triggered Controlled Release of Bioactive Volatiles from Imineâ€Based Liquid Crystalline Phases. <i>Chemistry - A European Journal</i> , 2009, 15, 117-124.	1.7	53
354	Adaptation and Optical Signal Generation in a Constitutional Dynamic Network. <i>Chemistry - A European Journal</i> , 2009, 15, 5640-5645.	1.7	53
355	Hydrogenâ€Bondingâ€Mediated Dynamic Covalent Synthesis of Macrocycles and Capsules: New Receptors for Aliphatic Ammonium Ions and the Formation of Pseudo[3]rotaxanes. <i>Chemistry - A European Journal</i> , 2009, 15, 5763-5774.	1.7	54
356	A Pentanuclear Cu/Co/Ni Complex with 2-(Dimethylamino)ethanol - Observation of a Rare Molecular Structure Type and Its Place in General Structural Types: An Analysis of the Cambridge Structural Database. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 5469-5473.	1.0	24
357	Making Molecules Make Themselves â€ the Chemistry of Artificial Replicators. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 593-610.	1.2	132
358	Dynamic Dielsâ€Alder Reactions of 9,10â€Dimethylantracene: Reversible Adduct Formation, Dynamic Exchange Processes and Thermal Fluorescence Modulation. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 1691-1697.	1.2	35
361	Covalent Capture: Merging Covalent and Noncovalent Synthesis. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2288-2306.	7.2	84
362	Dynamic Combinatorial Evolution within Selfâ€Replicating Supramolecular Assemblies. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 1093-1096.	7.2	165
363	A Selfâ€Sorting Scheme Based on Tetraâ€Urea Calix[4]arenes. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 3867-3871.	7.2	56
364	Indirect Optical Analysis of a Dynamic Chemical System. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4546-4550.	7.2	18
365	Structural and Functional Evolution of a Library of Constitutional Dynamic Polymers Driven by Alkali Metal Ion Recognition. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7635-7638.	7.2	71
366	DNAâ€Templated Homoâ€and Heterodimerization of Peptide Nucleic Acid Encoded Oligosaccharides that Mimick the Carbohydrate Epitope of HIV. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7695-7700.	7.2	126
367	Water-soluble octahedral polyammonium nanocapsules: synthesis and encapsulation studies. <i>Tetrahedron</i> , 2009, 65, 7303-7310.	1.0	27
368	An imidazolidin-1-ol, nitron and oxadiazinane ring-chain-ring tautomeric dynamic combinatorial library. <i>Tetrahedron Letters</i> , 2009, 50, 3008-3012.	0.7	8
369	Self-Assembly, Self-Organization: Nanotechnology and Vitalism. <i>NanoEthics</i> , 2009, 3, 31-42.	0.5	20
370	Synthesizing interlocked molecules dynamically. <i>Chemical Record</i> , 2009, 9, 136-154.	2.9	69
371	Hierarchical functional gradients of pH-responsive self-assembled monolayers using dynamic covalent chemistry on surfaces. <i>Nature Chemistry</i> , 2009, 1, 649-656.	6.6	161
372	Carbonic anhydrase II-induced selection of inhibitors from a dynamic combinatorial library of Schiffâ€bâ€s bases. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 6014-6017.	1.0	44

#	ARTICLE	IF	CITATIONS
373	Dynamic covalent polymers: Reorganizable polymers with dynamic covalent bonds. <i>Progress in Polymer Science</i> , 2009, 34, 581-604.	11.8	458
374	From nature to the laboratory and into the clinic. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 2290-2303.	1.4	76
375	Reversible constitutional switching between macrocycles and polymers induced by shape change in a dynamic covalent system. <i>New Journal of Chemistry</i> , 2009, 33, 271.	1.4	58
376	Dynablocks: Structural Modulation of Responsive Combinatorial Self-Assemblies at Mesoscale. <i>Macromolecules</i> , 2009, 42, 5913-5915.	2.2	35
377	Scrambling reaction between polymers prepared by step-growth and chain-growth polymerizations: macromolecular cross-metathesis between 1,4-polybutadiene and olefin-containing polyester. <i>Chemical Communications</i> , 2009, , 1073.	2.2	70
378	Self-Assembly and Traveling Wave Ion Mobility Mass Spectrometry Analysis of Hexacadmium Macrocycles. <i>Journal of the American Chemical Society</i> , 2009, 131, 16395-16397.	6.6	151
379	Adaptation to Shape Switching by Component Selection in a Constitutional Dynamic System. <i>Journal of the American Chemical Society</i> , 2009, 131, 5546-5559.	6.6	90
380	Using Photoresponsive End-Closing and End-Opening Reactions for the Synthesis and Disassembly of [2]Rotaxanes: Implications for Dynamic Covalent Chemistry. <i>Journal of Organic Chemistry</i> , 2009, 74, 2374-2379.	1.7	22
381	Gases as Guests in Benzocyclootrimer Cage Hosts. <i>Organic Letters</i> , 2009, 11, 3926-3929.	2.4	45
382	Hemiacetals in Dynamic Covalent Chemistry: Formation, Exchange, Selection, and Modulation Processes. <i>Journal of Organic Chemistry</i> , 2009, 74, 8428-8432.	1.7	40
383	Carbonic Anhydrase-Encoded Dynamic Constitutional Libraries: Toward the Discovery of Isozyme-Specific Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 4853-4859.	2.9	40
384	Optimizing the Performance of In Silico ADMET General Models According to Local Requirements: MARS Approach. Solubility Estimations As Case Study. <i>Journal of Chemical Information and Modeling</i> , 2009, 49, 2837-2850.	2.5	9
385	Catalytic Transamidation Reactions Compatible with Tertiary Amide Metathesis under Ambient Conditions. <i>Journal of the American Chemical Society</i> , 2009, 131, 10003-10008.	6.6	187
386	Self-sorting of equilibrating metallocsupramolecular DCLs via constitutional crystallization. <i>Chemical Communications</i> , 2009, , 2192.	2.2	64
387	Photoswitchable Dynamic Combinatorial Libraries: Coupling Azobenzene Photoisomerization with Hydrazone Exchange. <i>Journal of Organic Chemistry</i> , 2009, 74, 111-117.	1.7	69
388	Dynamic mixtures and combinatorial libraries: imines as probes for molecular evolution at the interface between chemistry and biology. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 3195.	1.5	87
389	Amine-triggered molecular capsules using dynamic boronate esterification. <i>Chemical Communications</i> , 2009, , 1682.	2.2	45
390	Cholesterol-Appended Aromatic Imine Organogelators: A Case Study of Gelation-Driven Component Selection. <i>Langmuir</i> , 2009, 25, 8414-8418.	1.6	29

#	ARTICLE	IF	CITATIONS
391	Structural features directing the specificity and functionality of metallo-supramolecular grid-type architectures. <i>Dalton Transactions</i> , 2009, , 5787.	1.6	39
392	Self-assembly of an aminoalkylated resorcinarene in aqueous media: host-guest properties. <i>New Journal of Chemistry</i> , 2009, 33, 2397.	1.4	18
393	Making Imines Without Making Water~Exploiting a Recognition-Mediated Aza-Wittig Reaction. <i>Organic Letters</i> , 2009, 11, 301-304.	2.4	8
394	Dynamic supramolecular complexation by shapeshifting organic molecules. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 1529.	1.5	35
396	Peptides as Molecular Receptors. , 2010, , 249-274.		8
397	Dynamic Approaches towards Catalyst Discovery. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 2429-2440.	1.2	81
398	The Advantage of Covalent Capture in the Combinatorial Screening of a Dynamic Library for the Detection of Weak Interactions. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 3858-3866.	1.2	8
400	2-Appended Polyamines that Increase Triple-Helix Forming Oligonucleotide Affinity are Selected by Dynamic Combinatorial Chemistry. <i>ChemBioChem</i> , 2010, 11, 2513-2516.	1.3	11
401	A Non-Enzymatic, DNA Template-Directed Morpholino Primer Extension Approach. <i>Chemistry - A European Journal</i> , 2010, 16, 2026-2030.	1.7	11
402	Evolution of a Constitutional Dynamic Library Driven by Self-Organisation of a Helically Folded Molecular Strand. <i>Chemistry - A European Journal</i> , 2010, 16, 4903-4910.	1.7	31
403	Integrating Replication-Based Selection Strategies in Dynamic Covalent Systems. <i>Chemistry - A European Journal</i> , 2010, 16, 13304-13318.	1.7	67
404	Crystallization-Controlled Dynamic Self-Assembly and an On/Off Switch for Equilibration Using Boronic Ester Formation. <i>Chemistry - A European Journal</i> , 2010, 16, 13680-13688.	1.7	23
405	Smart Macrocyclic Molecules: Induced Fit and Ultrafast Self-Sorting Inclusion Behavior through Dynamic Covalent Chemistry. <i>Chemistry - A European Journal</i> , 2010, 16, 13850-13861.	1.7	22
406	Host-Guest-Driven Copolymerization of Tetraphosphonate Cavitands. <i>Chemistry - A European Journal</i> , 2010, 16, 14313-14321.	1.7	44
411	Direct STD-NMR Identification of Galactosidase Inhibitors from a Virtual Dynamic Hemithioacetal System. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 589-593.	7.2	102
412	Shape-Persistent Organic Cage Compounds by Dynamic Covalent Bond Formation. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5042-5053.	7.2	386
413	Dynamic Peptides as Biomimetic Carbohydrate Receptors. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7340-7345.	7.2	82
414	Template-Directed Syntheses of Rigid Oligorotaxanes under Thermodynamic Control. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7208-7212.	7.2	54

#	ARTICLE	IF	CITATIONS
415	Biomimetic Principles in Polymer and Material Science. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 166-170.	1.1	46
416	Supramolecular coordination polymers of silver(I) with 2-isocyanopyridine or 1,2-phenylenediisocyanide. <i>Inorganica Chimica Acta</i> , 2010, 363, 1864-1868.	1.2	4
417	Reversible aqueous metathesis reactions for potential application in dynamic combinatorial chemistry. <i>Tetrahedron Letters</i> , 2010, 51, 5064-5067.	0.7	27
418	Welcome Home, Systems Chemists!. <i>Journal of Systems Chemistry</i> , 2010, 1, .	1.7	81
419	Theoretical features of macrocyclization equilibria and their application on transacetalation based dynamic libraries. <i>Journal of Physical Organic Chemistry</i> , 2010, 23, 797-805.	0.9	33
420	Nucleophilic catalysis of acylhydrazone equilibration for protein-directed dynamic covalent chemistry. <i>Nature Chemistry</i> , 2010, 2, 490-497.	6.6	170
423	Dynamic Constitutional Membranes: Toward an Adaptive Facilitated Transport. <i>Materials Research Society Symposia Proceedings</i> , 2010, 1272, 1.	0.1	0
424	The Design and Synthesis of Acrylate and Imino Derivatives of Calix[4]arene for Applications in Static and Dynamic Combinatorial Libraries. <i>Journal of Chemical Research</i> , 2010, 34, 61-67.	0.6	3
425	An Introduction to Supramolecular Chemistry. , 2010, , 1-48.		3
426	15 Combinatorial Libraries of Porphyrins: Chemistry and Applications. <i>Handbook of Porphyrin Science</i> , 2010, , 485-537.	0.3	7
427	Dynamers: Dynamic Molecular and Supramolecular Polymers. <i>Australian Journal of Chemistry</i> , 2010, 63, 611.	0.5	112
428	Interplay Between Cyclization and Polymerization in Ditopic Cavitand Monomers. <i>Australian Journal of Chemistry</i> , 2010, 63, 646.	0.5	3
429	CO <sub>2</sub> Binding by Dynamic Combinatorial Chemistry: An Environmental Selection. <i>Journal of the American Chemical Society</i> , 2010, 132, 3582-3593.	6.6	45
430	Self-assembly and thermodynamic synthesis of rotaxane dendrimers and related structures. <i>Polymer Chemistry</i> , 2010, 1, 988.	1.9	51
431	Glycodynamers: Dynamic Polymers Bearing Oligosaccharides Residues at Generation, Structure, Physicochemical, Component Exchange, and Lectin Binding Properties. <i>Journal of the American Chemical Society</i> , 2010, 132, 2573-2584.	6.6	111
433	Formation of Three New Base Adducts in the Reaction of the Aluminopolysiloxane [Ph <sub>2</sub> SiO] <sub>8</sub> [AlO(OH)] <sub>4</sub> ·4Et <sub>2</sub> O with Propane-1,3-diamine. <i>Organometallics</i> , 2010, 29, 5269-5273.	1.1	2
434	Comparative Theoretical Study of 1,3-Dipolar Cycloadditions of Allyl-Anion Type Dipoles to Free and Pt-Bound Nitriles. <i>Journal of Organic Chemistry</i> , 2010, 75, 1474-1490.	1.7	34
435	Synthesis, characterization, thermal, and redox properties of a vic-dioxime and its metal complexes. <i>Journal of Coordination Chemistry</i> , 2010, 63, 3083-3092.	0.8	7

#	ARTICLE	IF	CITATIONS
436	Metallosupramolecular Tetragonal Prisms via Multicomponent Coordination-Driven Template-Free Self-Assembly. <i>Journal of the American Chemical Society</i> , 2010, 132, 6282-6283.	6.6	153
437	Stepwise Synthesis of Charged and Neutral Two-Dimensional Networks via One-Dimensional Silver(I) Coordination Polymer Based on Bis(4-pyridylmethyl)sulfide. <i>Crystal Growth and Design</i> , 2010, 10, 4148-4154.	1.4	29
438	Multifunctional periodic mesoporous organosilicas with bridging groups formed via dynamic covalent chemistry. <i>Chemical Communications</i> , 2010, 46, 4568.	2.2	21
439	Synthesis of Phototrappable Shape-Shifting Molecules for Adaptive Guest Binding. <i>Journal of the American Chemical Society</i> , 2010, 132, 15790-15799.	6.6	50
440	Construction of Hexagonal Prisms of Variable Size via Coordination-Driven Multicomponent Self-Assembly. <i>Inorganic Chemistry</i> , 2010, 49, 8653-8655.	1.9	41
441	Guest-Encapsulation Properties of a Self-Assembled Capsule by Dynamic Boronic Ester Bonds. <i>Journal of the American Chemical Society</i> , 2010, 132, 777-790.	6.6	94
442	Synthesis and solid state structure of a hydrazone-disulfide macrocycle and its dynamic covalent ring-opening under acidic and basic conditions. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 4617.	1.5	14
443	The stability of imine-containing dynamic [2]rotaxanes to hydrolysis. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 83-89.	1.5	26
444	A small molecule receptor that selectively recognizes trimethyl lysine in a histonepeptide with native protein-like affinity. <i>Chemical Communications</i> , 2010, 46, 1839-1841.	2.2	83
445	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.	1.5	33
446	Dynamic formation of self-organized corner-connected square metallocycles by stoichiometric control. <i>Chemical Communications</i> , 2010, 46, 6672.	2.2	16
447	Reversible formation of amins: a new strategy to control the release of bioactive volatiles from dynamic mixtures. <i>Chemical Communications</i> , 2010, 46, 3125.	2.2	54
448	Hierarchical Self-Assembly on Silicon. <i>Journal of the American Chemical Society</i> , 2010, 132, 4781-4789.	6.6	36
449	Shape-persistent arylenevinylene macrocycles (AVMs) prepared via acyclic diene metathesis macrocyclization (ADMAC). <i>Chemical Communications</i> , 2010, 46, 8258.	2.2	54
450	Dynamic interactive systems: dynamic selection in hybrid organic-inorganic constitutional networks. <i>Chemical Communications</i> , 2010, 46, 7466.	2.2	87
451	Structures, host-guest chemistry and mechanism of stepwise self-assembly of M4L6 tetrahedral cage complexes. <i>Dalton Transactions</i> , 2011, 40, 12132.	1.6	53
452	An approach to enzyme inhibition employing reversible boronate ester formation. <i>MedChemComm</i> , 2011, 2, 390.	3.5	38
453	Dynamic self-assembly of molecular capsules via solvent polarity controlled reversible binding of nitrate anions with C3 symmetric tripodal receptors. <i>Chemical Communications</i> , 2011, 47, 8563.	2.2	31

#	ARTICLE	IF	CITATIONS
454	Release of bioactive volatiles from supramolecular hydrogels: influence of reversible acylhydrazone formation on gel stability and volatile compound evaporation. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 2906.	1.5	49
455	Highly CO <sub>2</sub> -Selective Organic Molecular Cages: What Determines the CO <sub>2</sub> Selectivity. <i>Journal of the American Chemical Society</i> , 2011, 133, 6650-6658.	6.6	241
456	Separation and Characterization of Metallo-supramolecular Libraries by Ion Mobility Mass Spectrometry. <i>Analytical Chemistry</i> , 2011, 83, 6667-6674.	3.2	59
457	Design, Synthesis, and Traveling Wave Ion Mobility Mass Spectrometry Characterization of Iron(II) and Ruthenium(II) Terpyridine Metallomacrocycles. <i>Journal of the American Chemical Society</i> , 2011, 133, 11967-11976.	6.6	158
458	Coronates, Spherical Containers, Bowl-Shaped Surfaces, Porous 1D-, 2D-, 3D-Metallo-Coordination Polymers, and Metallo-dendrimers. <i>Topics in Current Chemistry</i> , 2011, 319, 125-170.	4.0	35
459	Bolaform Superamphiphile Based on a Dynamic Covalent Bond and Its Self-Assembly in Water. <i>Langmuir</i> , 2011, 27, 12375-12380.	1.6	50
460	Diacrylamides as selective G-quadruplex ligands in in vitro and in vivo assays. <i>MedChemComm</i> , 2011, 2, 466.	3.5	4
461	Lead Generation and Examples. <i>Methods in Enzymology</i> , 2011, 493, 383-419.	0.4	36
462	Dynamic-Covalent Macromolecular Stars with Boronic Ester Linkages. <i>Journal of the American Chemical Society</i> , 2011, 133, 19832-19838.	6.6	214
463	Dynamic Combinatorial Self-Replicating Systems. <i>Topics in Current Chemistry</i> , 2011, 322, 87-105.	4.0	27
464	Thermoresponsive Dynamers: Thermally Induced, Reversible Chain Elongation of Amphiphilic Poly(acylhydrazones). <i>Journal of the American Chemical Society</i> , 2011, 133, 10966-10973.	6.6	94
465	Dynamic Nanoplatfoms in Biosensor and Membrane Constitutional Systems. <i>Topics in Current Chemistry</i> , 2011, 322, 139-163.	4.0	13
466	Places and chemistry: Strasbourg—a chemical crucible seen through historical personalities. <i>Chemical Society Reviews</i> , 2011, 40, 2061.	18.7	9
467	Dynamic Chemistry of Anion Recognition. <i>Topics in Current Chemistry</i> , 2011, 322, 193-216.	4.0	21
468	Supramolecular assembly/reassembly processes: molecular motors and dynamers operating at surfaces. <i>Nanoscale</i> , 2011, 3, 1397.	2.8	53
469	Targeting Nucleic Acids using Dynamic Combinatorial Chemistry. <i>Australian Journal of Chemistry</i> , 2011, 64, 671.	0.5	17
470	Constitutional Dynamic Chemistry: Bridge from Supramolecular Chemistry to Adaptive Chemistry. <i>Topics in Current Chemistry</i> , 2011, 322, 1-32.	4.0	81
471	Multistate and Phase Change Selection in Constitutional Multivalent Systems. <i>Topics in Current Chemistry</i> , 2011, 322, 33-53.	4.0	26

#	ARTICLE	IF	CITATIONS
472	Molecular Self-Assembly Based on Coordination Chemistry. Bulletin of Japan Society of Coordination Chemistry, 2011, 57, 13-29.	0.1	2
473	Polyimine Container Molecules and Nanocapsules. Israel Journal of Chemistry, 2011, 51, 743-768.	1.0	112
474	SANS, SAXS, and light scattering investigations of pH-responsive dynamic combinatorial mesophases. Soft Matter, 2011, 7, 4787.	1.2	23
475	Dynamic Covalent Chemistry: A Facile Room-Temperature, Reversible, Diels-Alder Reaction between Anthracene Derivatives and <i>N</i> -Phenyltriazolinedione. Chemistry - an Asian Journal, 2011, 6, 2419-2425.	1.7	52
476	Heterometallic Cu/Co and Cu/Co/Zn Complexes Bearing Rare Asymmetric Tetranuclear Cores: Synthesis, Structures, and Magnetic and Catalytic Properties Toward the Peroxidative Oxidation of Cycloalkanes. Inorganic Chemistry, 2011, 50, 4401-4411.	1.9	57
477	Synthesis and in situ core reorganization of smart polymers. Reactive and Functional Polymers, 2011, 71, 843-848.	2.0	4
478	Reversible Amino Formation: Controlling the Evaporation of Bioactive Volatiles by Dynamic Combinatorial/Covalent Chemistry. European Journal of Organic Chemistry, 2011, 2011, 681-695.	1.2	70
479	Macrocyclic or Cage? The Presence or Absence of Ca <sup>2+</sup> Template Ions Controls the Equilibrium in an Oligoimine Dynamic Combinatorial Library. European Journal of Organic Chemistry, 2011, 2011, 2062-2065.	1.2	11
480	Synthesis of Tetrahedral Shape-Persistent Tetranuclear Metal-salphenes. European Journal of Organic Chemistry, 2011, 2011, 5971-5980.	1.2	28
481	Configurational and Constitutional Information Storage: Multiple Dynamics in Systems Based on Pyridyl and Acyl Hydrazones. Chemistry - A European Journal, 2011, 17, 248-258.	1.7	196
482	Amine Exchange in Formamidines: An Experimental and Theoretical Study. Chemistry - A European Journal, 2011, 17, 4598-4612.	1.7	23
483	Silver Baits for The "Miraculous Draught" of Amphiphilic Lanthanide Helicates. Chemistry - A European Journal, 2011, 17, 184-195.	1.7	12
484	Multicomponent Assembly of Cavitand-Based Polyacylhydrazone Nanocapsules. Chemistry - A European Journal, 2011, 17, 9395-9405.	1.7	43
485	Micro squeeze flow rheometer for high frequency analysis of nano-litre volumes of viscoelastic fluid. Microelectronic Engineering, 2011, 88, 1726-1729.	1.1	4
486	Scope of the Heck Reaction in the Synthesis of a New Family of Anthracene Diacrylamide G-Quadruplex Ligands. Synthetic Communications, 2011, 41, 2483-2492.	1.1	1
487	Supramolecular Naphthalenediimide Nanotubes. Topics in Current Chemistry, 2011, 322, 217-260.	4.0	17
488	Racemization as a stereochemical measure of dynamics and robustness in shape-shifting organic molecules. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14752-14756.	3.3	40
489	Synthetic Molecular Machines and Polymer/Monomer Size Switches that Operate Through Dynamic and Non-Dynamic Covalent Changes. Topics in Current Chemistry, 2011, 322, 261-289.	4.0	7



#	ARTICLE	IF	CITATIONS
491	Supramolecular Chemistry: From Molecular Information toward Self-Organization and Complex Matter. , 2012, , 137-162.		0
492	Dynamic combinatorial chemistry as a tool for the design of functional materials and devices. Chemical Society Reviews, 2012, 41, 1031-1049.	18.7	249
493	Metallodynamic membranes "are" are metallic ions facilitating the transport of CO <sub>2</sub> ?. Chemical Communications, 2012, 48, 11546.	2.2	15
494	Organocatalysis of C≡N/C≡N and C≡C/C≡N Exchange in Dynamic Covalent Chemistry. Helvetica Chimica Acta, 2012, 95, 2635-2651.	1.0	33
495	TBD/Al <sub>2</sub> O <sub>3</sub> : a novel catalytic system for dynamic intermolecular aldol reactions that exhibit complex system behaviour. Organic and Biomolecular Chemistry, 2012, 10, 1976.	1.5	20
496	Tuning Chloride Binding, Encapsulation, and Transport by Peripheral Substitution of Pseudopeptidic Tripodal Small Cages. Chemistry - A European Journal, 2012, 18, 16728-16741.	1.7	32
497	3D Photofixation Lithography in Diels-Alder Networks. Macromolecular Rapid Communications, 2012, 33, 2092-2096.	2.0	57
499	Synthesis and self-assembly of dynamic covalent block copolymers: towards a general route to pore-functionalized membranes. Chemical Communications, 2012, 48, 3427.	2.2	32
500	Supramolecular mimics of phase separating covalent diblock copolymers. Polymer Chemistry, 2012, 3, 2050.	1.9	30
501	Digital and Analog Chemical Evolution. Accounts of Chemical Research, 2012, 45, 2189-2199.	7.6	43
502	Alkane Lengths Determine Encapsulation Rates and Equilibria. Journal of the American Chemical Society, 2012, 134, 8070-8073.	6.6	54
503	H-Shaped Supra-Amphiphiles Based on a Dynamic Covalent Bond. Langmuir, 2012, 28, 14567-14572.	1.6	34
504	Schiff's base as a stimuli-responsive linker in polymer chemistry. Polymer Chemistry, 2012, 3, 3045.	1.9	302
505	Toward Self-Constructing Materials: A Systems Chemistry Approach. Accounts of Chemical Research, 2012, 45, 2178-2188.	7.6	129
506	Self-assembled coordination complexes from various palladium(II) components and bidentate or polydentate ligands. Coordination Chemistry Reviews, 2012, 256, 1831-1945.	9.5	179
507	The Use of Electrospray Mass Spectrometry to Determine Speciation in a Dynamic Combinatorial Library for Anion Recognition. Chemistry - A European Journal, 2012, 18, 13733-13742.	1.7	16
508	Phase separation of supramolecular and dynamic block copolymers. Polymer Chemistry, 2012, 3, 3033.	1.9	73
509	Probing the dynamic reversibility and generation of dynamic combinatorial libraries in the presence of bacterial model oligopeptides as templating guests of tetra-carbohydrazide macrocycles using electrospray mass spectrometry. Rapid Communications in Mass Spectrometry, 2012, 26, 2865-2876.	0.7	9

#	ARTICLE	IF	CITATIONS
510	Elucidating the Mechanism of the Halide-Induced Ligand Rearrangement Reaction. <i>Inorganic Chemistry</i> , 2012, 51, 11986-11995.	1.9	11
512	Merging Constitutional and Motional Covalent Dynamics in Reversible Imine Formation and Exchange Processes. <i>Journal of the American Chemical Society</i> , 2012, 134, 9446-9455.	6.6	156
514	Positive Cooperativity in the Template-Directed Synthesis of Monodisperse Macromolecules. <i>Journal of the American Chemical Society</i> , 2012, 134, 5243-5261.	6.6	113
515	Dynamic imine chemistry. <i>Chemical Society Reviews</i> , 2012, 41, 2003.	18.7	989
516	Supramolecular complexation for environmental control. <i>Chemical Society Reviews</i> , 2012, 41, 3859.	18.7	126
517	Adaptation of Dynamic Covalent Systems of Imine Constituents to Medium Change by Component Redistribution under Reversible Phase Separation. <i>Journal of the American Chemical Society</i> , 2012, 134, 12861-12868.	6.6	75
519	Double Molecular Recognition with Aminoorganoboron Complexes: Selective Alcoholysis of $\beta$ -Dicarbonyl Derivatives. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5395-5399.	7.2	15
520	Exo-Functionalized Shape-Persistent [2+3] Cage Compounds: Influence of Molecular Rigidity on Formation and Permanent Porosity. <i>Chemistry - A European Journal</i> , 2012, 18, 4156-4160.	1.7	106
521	Dynamic Mixtures: Challenges and Opportunities for the Amplification and Sensing of Scents. <i>Chemistry - A European Journal</i> , 2012, 18, 8568-8577.	1.7	46
522	Fabrication of Soft Submicrospheres by Sequential Boronate Esterification and Their Dynamic Behavior. <i>ChemPlusChem</i> , 2012, 77, 201-209.	1.3	26
523	Dynamic-covalent nanostructures prepared by Diels-Alder reactions of styrene-maleic anhydride-derived copolymers obtained by one-step cascade block copolymerization. <i>Polymer Chemistry</i> , 2012, 3, 3112.	1.9	99
524	The high yielding synthesis of pillar[5]arenes under Friedel-Crafts conditions explained by dynamic covalent bond formation. <i>Chemical Communications</i> , 2012, 48, 2576-2578.	2.2	116
525	Spontaneous self-assembly of a giant spherical metal-oxide Keplerate: addition of one building block induces immediate formation of the complementary one from a constitutional dynamic library. <i>Chemical Communications</i> , 2012, 48, 350-352.	2.2	44
526	Three-Component Self-Assembly of a Series of Triply Interlocked Pd <sub>12</sub> Coordination Prisms and Their Non-Interlocked Pd <sub>6</sub> Analogues. <i>Chemistry - A European Journal</i> , 2012, 18, 3199-3209.	1.7	45
527	Graft copolymers synthesis by dynamic covalent reorganization of polycaprolactone and poly(ethylene vinyl alcohol). <i>Journal of Applied Polymer Science</i> , 2012, 123, 3145-3153.	1.3	11
529	A Multiple Multicomponent Approach to Chimeric Peptide-Peptoid Podands. <i>Chemistry - A European Journal</i> , 2013, 19, 6417-6428.	1.7	43
530	Metal ion directed metal-organic rotaxane frameworks with intrinsic features of self-penetration and interpenetration. <i>Chemical Communications</i> , 2013, 49, 8555.	2.2	32
532	Dynamic Combinatorial Libraries of Macrocyclic Imines and Their Applications. <i>Israel Journal of Chemistry</i> , 2013, 53, 87-96.	1.0	26

#	ARTICLE	IF	CITATIONS
533	Dynamers: From Supramolecular Polymers to Adaptive Dynamic Polymers. <i>Advances in Polymer Science</i> , 2013, , 155-172.	0.4	26
534	Dynamic covalent capture of hydrazides by a phosphonate-target immobilized on resin. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 6580.	1.5	5
535	Macrocyclic and Polymeric Oxaziridine Derivatives. <i>Macromolecular Rapid Communications</i> , 2013, 34, 263-268.	2.0	1
536	The emergence of halophilic evolutionary patterns from a dynamic combinatorial library of macrocyclic pseudopeptides. <i>Chemical Communications</i> , 2013, 49, 487-489.	2.2	29
537	Using reversibility of the dynamic covalent bond to create porosity in highly ordered polymer thin films under mild conditions and nano-pore functionalization in the gas phase. <i>Polymer Chemistry</i> , 2013, 4, 2691.	1.9	12
538	The effect of DMSO in the aqueous thiol-disulphide dynamic covalent chemistry of model pseudopeptides. <i>RSC Advances</i> , 2013, 3, 25605.	1.7	40
539	Thermally Induced Nanoimprinting of Biodegradable Polycarbonates Using Dynamic Covalent Cross-Links. <i>ACS Macro Letters</i> , 2013, 2, 19-22.	2.3	39
540	Perspectives in Chemistry—Steps towards Complex Matter. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2836-2850.	7.2	534
541	Naphthalenophane formaldehyde acetals as candidate structures for the generation of dynamic libraries via transacetalation processes. <i>Tetrahedron</i> , 2013, 69, 2767-2774.	1.0	6
542	Covalent adaptable networks: smart, reconfigurable and responsive network systems. <i>Chemical Society Reviews</i> , 2013, 42, 7161-7173.	18.7	869
543	Reorganization of polymer structures based on dynamic covalent chemistry: polymer reactions by dynamic covalent exchanges of alkoxyamine units. <i>Polymer Journal</i> , 2013, 45, 879-891.	1.3	113
544	A Synthetic Receptor for Asymmetric Dimethyl Arginine. <i>Journal of the American Chemical Society</i> , 2013, 135, 6450-6455.	6.6	86
545	Catalytic control over supramolecular gel formation. <i>Nature Chemistry</i> , 2013, 5, 433-437.	6.6	246
546	Reversible Covalent Bond Formation as a Strategy for Healable Polymer Networks. <i>RSC Polymer Chemistry Series</i> , 2013, , 62-91.	0.1	2
547	Pore-Functionalized Nanoporous Materials Derived from Block Copolymers. <i>Macromolecular Rapid Communications</i> , 2013, 34, 962-982.	2.0	37
548	Redox-Responsive Dynamic-Covalent Assemblies: Stars and Miktoarm Stars. <i>Macromolecules</i> , 2013, 46, 2188-2198.	2.2	94
549	<i>In silico</i> Design of Supramolecules from Their Precursors: Odd-Even Effects in Cage-Forming Reactions. <i>Journal of the American Chemical Society</i> , 2013, 135, 9307-9310.	6.6	75
550	Slow release of fragrance aldehydes and ketones in functional perfumery from dynamic mixtures generated with <i>N</i> -heteroarylmethyl-substituted secondary diamines. <i>Flavour and Fragrance Journal</i> , 2013, 28, 280-293.	1.2	20

#	ARTICLE	IF	CITATIONS
551	One-Dimensional Random Walk of a Synthetic Small Molecule Toward a Thermodynamic Sink. <i>Journal of the American Chemical Society</i> , 2013, 135, 8639-8645.	6.6	44
552	Templating Irreversible Covalent Macrocyclization by Using Anions. <i>Chemistry - A European Journal</i> , 2013, 19, 3710-3714.	1.7	12
553	Solvent-Responsive Wettability of Self-Assembled Monolayers of Dithiooctanoic Acid Derivatives Bearing N,N-Disubstituted Amide Groups. <i>Langmuir</i> , 2013, 29, 13003-13007.	1.6	8
554	Modulation of the Selectivity of Schiff Base Formation in Mixtures of Two NH <sub>2</sub> Compounds and One Aldehyde or of Two Aldehydes and One Amine. <i>Israel Journal of Chemistry</i> , 2013, 53, 113-121.	1.0	2
555	Capsular Assemblies of Calix[4]resorcinarene-Based Cavitands. <i>Asian Journal of Organic Chemistry</i> , 2013, 2, 276-289.	1.3	23
556	The Tris-Urea Motif and Its Incorporation into Polydimethylsiloxane-Based Supramolecular Materials Presenting Self-Healing Features. <i>Chemistry - A European Journal</i> , 2013, 19, 8814-8820.	1.7	52
557	Tetraheterodecalin Podands, Their Linkers, and Resulting Macrocycles: A Hoard of Constitutionally and Stereochemically Dynamic Systems. <i>Israel Journal of Chemistry</i> , 2013, 53, 45-52.	1.0	10
558	A New Dynamic Covalent Bond of Se $\pi$ :N: Towards Controlled Self-Assembly and Disassembly. <i>Chemistry - A European Journal</i> , 2013, 19, 9506-9510.	1.7	48
559	Novel Screening Technique: Integrated Combinatorial Green Chemistry & Life Cycle Analysis (CGC-LCA). <i>BioResources</i> , 2013, 8, .	0.5	0
560	Cycloaddition of 1,3-Butadiynes: Efficient Synthesis of Carbo- and Heterocycles. <i>Molecules</i> , 2014, 19, 13788-13802.	1.7	24
561	Zinc Hydrolases†. , 2014, , .		0
562	Dynamics of the Lithium Amide/Alkyl lithium Interactions: Mixed Dimers and Beyond. <i>Topics in Organometallic Chemistry</i> , 2014, , 43-61.	0.7	5
563	Hydrogen-Bond-Driven Controlled Molecular Marriage in Covalent Cages. <i>Chemistry - A European Journal</i> , 2014, 20, 1646-1657.	1.7	47
564	Combinatorial Crystal Synthesis: Structural Landscape of Phloroglucinol:1,2-bis(4-pyridyl)ethylene and Phloroglucinol:Phenazine. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 13178-13182.	7.2	38
565	Oxime Ligation: A Chemoselective Click-Type Reaction for Accessing Multifunctional Biomolecular Constructs. <i>Chemistry - A European Journal</i> , 2014, 20, 34-41.	1.7	206
566	Copper-induced amplification of a [2]catenane in a virtual dynamic library of macrocyclic alkenes. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 6167-6174.	1.5	30
567	Synthesis of a Rigid C <sub>3</sub> -Symmetric Tris-salicylaldehyde as a Precursor for a Highly Porous Molecular Cube. <i>Chemistry - A European Journal</i> , 2014, 20, 16707-16720.	1.7	83
568	Reversible Adaptation to Photoinduced Shape Switching by Oligomer-Macrocycle Interconversion with Component Selection in a Three-State Constitutional Dynamic System. <i>Chemistry - A European Journal</i> , 2014, 20, 16188-16193.	1.7	27

#	ARTICLE	IF	CITATIONS
569	Micellar-cluster association of ureidopyrimidone functionalized monochelic polybutadiene. <i>Polymer Chemistry</i> , 2014, 5, 910-920.	1.9	17
570	Asymmetric and Symmetric Bolaform Supra-Amphiphiles: Formation of Imine Bond Influenced by Aggregation. <i>Langmuir</i> , 2014, 30, 1531-1535.	1.6	23
571	Dynamic reactions of liposomes. <i>Soft Matter</i> , 2014, 10, 69-74.	1.2	13
572	Reversible cross-linking reactions of alkoxyamine-appended polymers under bulk conditions for transition between flow and rubber-like states. <i>Polymer</i> , 2014, 55, 1474-1480.	1.8	14
573	Mutual Induced Fit in a Synthetic Host-Guest System. <i>Journal of the American Chemical Society</i> , 2014, 136, 4449-4451.	6.6	80
574	Prebiotic Systems Chemistry: New Perspectives for the Origins of Life. <i>Chemical Reviews</i> , 2014, 114, 285-366.	23.0	674
575	Selective Host Molecules Obtained by Dynamic Adaptive Chemistry. <i>Chemistry - A European Journal</i> , 2014, 20, 2106-2131.	1.7	30
576	Synthetic Molecular Walkers. <i>Topics in Current Chemistry</i> , 2014, 354, 111-138.	4.0	36
577	Supramolecular catalysis. Part 2: artificial enzyme mimics. <i>Chemical Society Reviews</i> , 2014, 43, 1734-1787.	18.7	775
578	Self-assembled discrete metal-organic complexes: Recent advances. <i>Inorganica Chimica Acta</i> , 2014, 417, 79-108.	1.2	37
579	Dynamic combinatorial/covalent chemistry: a tool to read, generate and modulate the bioactivity of compounds and compound mixtures. <i>Chemical Society Reviews</i> , 2014, 43, 1899-1933.	18.7	311
580	Readily Prepared Dynamic Hydrogels by Combining Phenyl Boronic Acid and Maltose-Modified Anionic Polysaccharides at Neutral pH. <i>Macromolecular Rapid Communications</i> , 2014, 35, 2089-2095.	2.0	72
582	Core-shell inversion by pH modulation in dynamic covalent micelles. <i>Soft Matter</i> , 2014, 10, 3926.	1.2	13
583	Choose-a-Size Approach in Dynamic Combinatorial Chemistry: A Single Substrate Dynamic Combinatorial Library of Oligomacrocycles That Adapts to the Size and Shape of Carboxylates. <i>Journal of Organic Chemistry</i> , 2014, 79, 9762-9770.	1.7	23
585	Self-assembly of an interacting binary blend of diblock copolymers in thin films: a potential route to porous materials with reactive nanochannel chemistry. <i>Soft Matter</i> , 2014, 10, 5755.	1.2	19
586	A smart artificial glutathione peroxidase with temperature responsive activity constructed by host-guest interaction and self-assembly. <i>RSC Advances</i> , 2014, 4, 25040-25050.	1.7	9
587	Thermally-labile segmented hyperbranched copolymers: using reversible-covalent chemistry to investigate the mechanism of self-condensing vinyl copolymerization. <i>Chemical Science</i> , 2014, 5, 4646-4655.	3.7	73
588	Highly-efficient synthesis of covalent porphyrinic cages via DABCO-templated imine condensation reactions. <i>Chemical Communications</i> , 2014, 50, 11162.	2.2	27

#	ARTICLE	IF	CITATIONS
589	Formation of a hetero[3]rotaxane by a dynamic component-swapping strategy. <i>Chemical Communications</i> , 2014, 50, 9665-9668.	2.2	25
590	Probing secondary interactions in biomolecular recognition by dynamic combinatorial chemistry. <i>Chemical Communications</i> , 2014, 50, 5810.	2.2	58
591	State-of-the-Art Analytical Methods for Assessing Dynamic Bonding Soft Matter Materials. <i>Advanced Materials</i> , 2014, 26, 5758-5785.	11.1	26
592	Double Level Selection in a Constitutional Dynamic Library of Coordination Driven Supramolecular Polygons. <i>Inorganic Chemistry</i> , 2014, 53, 7276-7287.	1.9	31
593	Supramolecular polymers bearing disulfide bonds. <i>Polymer Chemistry</i> , 2014, 5, 6439-6443.	1.9	37
594	Polymer Blending through Host-Guest Interactions. <i>Macromolecules</i> , 2014, 47, 632-638.	2.2	28
595	A light-induced reversible phase separation and its coupling to a dynamic library of imines. <i>Chemical Science</i> , 2014, 5, 1475-1483.	3.7	62
596	Polynuclear Heterometallic Complexes from Metal Powders: The Direct Synthesis Approach. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 4496-4517.	1.0	39
597	One-pot four-component synthesis of 4-hydrazinothiazoles: novel scaffolds for drug discovery. <i>Tetrahedron Letters</i> , 2014, 55, 5465-5467.	0.7	12
598	Design of nanostructures based on aromatic peptide amphiphiles. <i>Chemical Society Reviews</i> , 2014, 43, 8150-8177.	18.7	690
599	Organocatalyzed and Uncatalyzed C <sub>15</sub> H <sub>3</sub> C/C <sub>15</sub> H <sub>3</sub> C and C <sub>15</sub> H <sub>3</sub> C/C <sub>15</sub> H <sub>3</sub> N Exchange Processes between Knoevenagel and Imine Compounds in Dynamic Covalent Chemistry. <i>Helvetica Chimica Acta</i> , 2014, 97, 1219-1236.	1.0	23
600	Dynamic covalent chemistry of bisimines at the solid/liquid interface monitored by scanning tunnelling microscopy. <i>Nature Chemistry</i> , 2014, 6, 1017-1023.	6.6	124
601	Double dynamic self-healing polymers: supramolecular and covalent dynamic polymers based on the bis-iminocarbohydrazone motif. <i>Polymer International</i> , 2014, 63, 1400-1405.	1.6	95
602	Dynamic Diselenide Bonds: Exchange Reaction Induced by Visible Light without Catalysis. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6781-6785.	7.2	261
603	A clicked porphyrin cage with high binding affinity towards fullerenes. <i>RSC Advances</i> , 2014, 4, 27389-27392.	1.7	17
604	Smart chemistry in polymeric nanomedicine. <i>Chemical Society Reviews</i> , 2014, 43, 6982-7012.	18.7	171
605	Heterobimetallic Porphyrin Complexes Displaying Triple Dynamics: Coupled Metal Motions Controlled by Constitutional Evolution. <i>Journal of the American Chemical Society</i> , 2014, 136, 6698-6715.	6.6	24
606	Biased and unbiased strategies to identify biologically active small molecules. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 4474-4489.	1.4	13

#	ARTICLE	IF	CITATIONS
607	Intracellular Guest Exchange between Dynamic Supramolecular Hosts. <i>Journal of the American Chemical Society</i> , 2014, 136, 7907-7913.	6.6	38
608	Dominant behaviours in the expression of human carbonic anhydrase hCA I activity. <i>Chemical Communications</i> , 2014, 50, 8043-8046.	2.2	16
610	Adaptation in Constitutional Dynamic Libraries and Networks, Switching between Orthogonal Metalloselection and Photoselection Processes. <i>Journal of the American Chemical Society</i> , 2014, 136, 9509-9518.	6.6	105
611	Organic cage compounds " from shape-persistency to function. <i>Chemical Society Reviews</i> , 2014, 43, 1934-1947.	18.7	551
613	Strain-induced Reactivity in the Dynamic Covalent Chemistry of Macrocyclic Imines. <i>Chemistry - A European Journal</i> , 2015, 21, 10070-10081.	1.7	22
614	Directional Dynamic Covalent Motion of a Carbonyl Walker on a Polyamine Track. <i>Chemistry - A European Journal</i> , 2015, 21, 9380-9384.	1.7	28
616	Dynamic Covalent Chemistry of Nucleophilic Substitution Component Exchange of Quaternary Ammonium Salts. <i>Chemistry - an Asian Journal</i> , 2015, 10, 2484-2496.	1.7	25
617	Dynamic Ligand Reactivity in a Rhodium Pincer Complex. <i>Chemistry - A European Journal</i> , 2015, 21, 12683-12693.	1.7	35
618	Melt-processable Dynamic Covalent Poly(hemiaminal) Organogels as Scaffolds for UV-induced Polymerization. <i>Advanced Materials</i> , 2015, 27, 4714-4718.	11.1	8
619	Adaptable Hydrogel Networks with Reversible Linkages for Tissue Engineering. <i>Advanced Materials</i> , 2015, 27, 3717-3736.	11.1	557
620	Template-controlled synthesis of chiral cyclohexylhemicucurbit[8]uril. <i>Chemical Communications</i> , 2015, 51, 10921-10924.	2.2	38
621	The systems perspective at the crossroads between chemistry and biology. <i>Journal of Theoretical Biology</i> , 2015, 381, 11-22.	0.8	37
622	Self assembled macrobicycle and tricycle cages containing pyrrole rings by dynamic covalent chemistry method. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2015, 82, 461-470.	0.9	4
623	Formation of Hydrogen-Bonded Self-assembled Structures in Polar Solvents. <i>Lecture Notes in Quantum Chemistry II</i> , 2015, , 187-225.	0.3	0
624	Quadruple Switching of Pleated Foldamers of Tetrathiafulvalene " Bipyridinium Alternating Dynamic Covalent Polymers. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4028-4031.	7.2	39
625	The Reversible Nicholas Reaction in the Synthesis of Highly Symmetric Natural Product-Based Macrocycles. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 1054-1067.	1.2	9
626	Perspectives in Chemistry " Aspects of Adaptive Chemistry and Materials. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 3276-3289.	7.2	392
627	An Interconverting Family of Coordination Cages and a <i>meso</i> -Helicate; Effects of Temperature, Concentration, and Solvent on the Product Distribution of a Self-Assembly Process. <i>Inorganic Chemistry</i> , 2015, 54, 2626-2637.	1.9	55

#	ARTICLE	IF	CITATIONS
628	Supramolecular nanoreactors for intracellular singlet-oxygen sensitization. <i>Nanoscale</i> , 2015, 7, 14071-14079.	2.8	20
629	Combinatorial selection of molecular conformations and supramolecular synthons in quercetin cocrystal landscapes: a route to ternary solids. <i>IUCr</i> , 2015, 2, 402-408.	1.0	45
630	Self-healing hydrogels containing reversible oxime crosslinks. <i>Soft Matter</i> , 2015, 11, 6152-6161.	1.2	162
631	A Dynamic Combinatorial Approach for Identifying Side Groups that Stabilize DNA-Templated Supramolecular Self-Assemblies. <i>International Journal of Molecular Sciences</i> , 2015, 16, 3609-3625.	1.8	7
632	Living on the edge: Tuning supramolecular interactions to design two-dimensional organic crystals near the boundary of two stable structural phases. <i>Journal of Chemical Physics</i> , 2015, 142, 101914.	1.2	18
633	Postsynthetic Exterior Decoration of an Organic Cage by Copper(I)-Catalysed $A_{3+3}$ -Coupling and Detection of Nitroaromatics. <i>Chemistry - A European Journal</i> , 2015, 21, 6823-6831.	1.7	49
634	Introducing a static receptor to compete with a dynamic combinatorial library in template binding. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 10451-10455.	1.5	5
635	Oxatub[4]arene: a smart macrocyclic receptor with multiple interconvertible cavities. <i>Chemical Science</i> , 2015, 6, 6731-6738.	3.7	111
636	A recognition-mediated reaction drives amplification within a dynamic library. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 10392-10401.	1.5	13
637	Emerging trends in enzyme inhibition by multivalent nanoconstructs. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 9894-9906.	1.5	81
638	Discovery of potent inhibitors of human $\beta$ -tryptase from pre-equilibrated dynamic combinatorial libraries. <i>Chemical Science</i> , 2015, 6, 1792-1800.	3.7	29
639	Rhodium catalysed conversion of carbenes into ketenes and ketene imines using PNN pincer complexes. <i>Organic Chemistry Frontiers</i> , 2015, 2, 1561-1577.	2.3	31
640	Imine Macrocyclic with a Deep Cavity: Guest-Selected Formation of <i>syn/anti</i> Configuration and Guest-Controlled Reconfiguration. <i>Chemistry - A European Journal</i> , 2015, 21, 3005-3012.	1.7	51
641	Orthoester exchange: a tripodal tool for dynamic covalent and systems chemistry. <i>Chemical Science</i> , 2015, 6, 1399-1403.	3.7	53
642	Integrative self-sorting: a versatile strategy for the construction of complex supramolecular architecture. <i>Chemical Society Reviews</i> , 2015, 44, 779-789.	18.7	350
643	Self-assembled capsules based on tetrafunctionalized calix[4]resorcinarene cavitands. <i>Chemical Society Reviews</i> , 2015, 44, 449-466.	18.7	230
644	Applications of dynamic combinatorial chemistry for the determination of effective molarity. <i>Chemical Science</i> , 2015, 6, 144-151.	3.7	28
645	DNA functionalization by dynamic chemistry. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 2136-2144.	1.3	3



#	ARTICLE	IF	CITATIONS
646	Protein-Directed Dynamic Combinatorial Chemistry: A Guide to Protein Ligand and Inhibitor Discovery. <i>Molecules</i> , 2016, 21, 910.	1.7	34
647	Kontrollierte Faltungs-, Bewegungs- und konstitutionelle Dynamik in polyheterocyclischen molekularen Strängen. <i>Angewandte Chemie</i> , 2016, 128, 4200-4225.	1.6	23
648	Dynamic Covalent Nanoparticle Building Blocks. <i>Chemistry - A European Journal</i> , 2016, 22, 10706-10716.	1.7	27
649	Thermodynamic Selection of Supramolecular Nanomaterials from Dynamic Peptide Libraries. <i>Chem</i> , 2016, 1, 826-829.	5.8	3
650	Nonlinear Kinetic Behavior in Constitutional Dynamic Reaction Networks. <i>Journal of the American Chemical Society</i> , 2016, 138, 16809-16814.	6.6	17
652	Competition-driven selection in covalent dynamic networks and implementation in organic reactional selectivity. <i>Chemical Science</i> , 2016, 7, 3215-3226.	3.7	23
653	From solution to in-cell study of the chemical reactivity of acid sensitive functional groups: a rational approach towards improved cleavable linkers for biospecific endosomal release. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 4794-4803.	1.5	23
654	Using experimental and computational energy equilibration to understand hierarchical self-assembly of Fmoc-dipeptide amphiphiles. <i>Soft Matter</i> , 2016, 12, 8307-8315.	1.2	31
655	Dynamic peptide libraries for the discovery of supramolecular nanomaterials. <i>Nature Nanotechnology</i> , 2016, 11, 960-967.	15.6	181
656	Equilibrium Effective Molarity As a Key Concept in Ring-Chain Equilibria, Dynamic Combinatorial Chemistry, Cooperativity and Self-assembly. <i>Advances in Physical Organic Chemistry</i> , 2016, 50, 1-76.	0.5	6
657	Construction of Chiral [4 + 4] and [2 + 2] Schiff-Base Macrocyclic Zinc(II) Complexes Influenced by Counterions and Pendant Arms. <i>Inorganic Chemistry</i> , 2016, 55, 8260-8262.	1.9	10
658	Training a Constitutional Dynamic Network for Effector Recognition: Storage, Recall, and Erasing of Information. <i>Journal of the American Chemical Society</i> , 2016, 138, 11783-11791.	6.6	67
660	Diselenide covalent chemistry at the interface: stabilizing an asymmetric diselenide-containing polymer via micelle formation. <i>Polymer Chemistry</i> , 2016, 7, 6708-6713.	1.9	37
661	Guest-Induced Folding of the <i>N</i> -Benzyl Substituents in an Ammonium Resorcinarene Chloride and the Formation of a Halogen-Bonded Dimer of Capsules. <i>Crystal Growth and Design</i> , 2016, 16, 6729-6733.	1.4	8
664	Controlled Folding, Motional, and Constitutional Dynamic Processes of Polyheterocyclic Molecular Strands. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4130-4154.	7.2	78
665	Limits of Molecular Dithienylethene Switches Caused by Ferrocenyl Substitution. <i>ChemPhysChem</i> , 2016, 17, 1881-1894.	1.0	6
666	Small is Beautiful: Challenges and Perspectives of Nano/Meso/Microscience. <i>Small</i> , 2016, 12, 2107-2114.	5.2	8
668	Molecular Cage Impregnated Palladium Nanoparticles: Efficient, Additive-Free Heterogeneous Catalysts for Cyanation of Aryl Halides. <i>Journal of the American Chemical Society</i> , 2016, 138, 1709-1716.	6.6	185

#	ARTICLE	IF	CITATIONS
669	Single-Handed Towards Nanosized Organic Molecules. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 45-47.	7.2	16
670	Supramolecular detection of geometrical differences of azobenzene carboxylates. <i>Tetrahedron Letters</i> , 2016, 57, 1820-1824.	0.7	9
671	Doubly-dynamic-covalent polymers composed of oxime and oxanorbornene links. <i>Polymer Chemistry</i> , 2016, 7, 1971-1978.	1.9	38
672	Dynamic Chemistry of Selenium: Se-N and Se-Se Dynamic Covalent Bonds in Polymeric Systems. <i>ACS Macro Letters</i> , 2016, 5, 78-82.	2.3	94
673	Functional architectures derived from guanine quartets. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 2157-2163.	1.5	20
674	Discoveries from a phenanthroline-based dynamic combinatorial library: catenane from a copper(I) or copper(II) template?. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 348-353.	3.0	14
675	Quaternary cocrystals: combinatorial synthetic strategies based on long-range synthon Aufbau modules (LSAM). <i>IUCr</i> , 2016, 3, 102-107.	1.0	40
676	Self-Assembling Nanoparticles of Amphiphilic Polymers for In Vitro and In Vivo FRET Imaging. <i>Topics in Current Chemistry</i> , 2016, 370, 29-59.	4.0	6
677	From simplicity to complex systems with bioinspired pseudopeptides. <i>Chemical Communications</i> , 2016, 52, 239-250.	2.2	42
678	Constitutional Dynamic Materials—Toward Natural Selection of Function. <i>Chemical Reviews</i> , 2016, 116, 809-834.	23.0	101
679	Higher Order Constitutional Dynamic Networks: [2-3] and [3-3] Networks Displaying Multiple, Synergistic and Competitive Hierarchical Adaptation. <i>Journal of the American Chemical Society</i> , 2017, 139, 2474-2483.	6.6	43
680	Molecular Descriptors. , 2017, , 2065-2093.		30
681	Dynamic Covalent Polymer Networks: from Old Chemistry to Modern Day Innovations. <i>Advanced Materials</i> , 2017, 29, 1606100.	11.1	691
682	NHC-Catalyzed Metathesis and Phosphorylation Reactions of Disulfides: Development and Mechanistic Insights. <i>Chemistry - A European Journal</i> , 2017, 23, 6259-6263.	1.7	22
683	Synthetic Two-Dimensional Polymers. <i>Annual Review of Materials Research</i> , 2017, 47, 361-389.	4.3	58
684	Why Are Dithienylethene-Linked Biscobaltocenes so Hard to Photoswitch?. <i>ChemPhysChem</i> , 2017, 18, 596-609.	1.0	5
685	The atom, the molecule, and the covalent organic framework. <i>Science</i> , 2017, 355, .	6.0	2,037
686	Anion-aided Dynamic One-pot Self-assembly of Rectangular Metallacycles. <i>Journal of the Chinese Chemical Society</i> , 2017, 64, 666-673.	0.8	0

#	ARTICLE	IF	CITATIONS
687	Unraveling the Multistimuli Responses of a Complex Dynamic System of Pseudopeptidic Macrocycles. <i>Chemistry - A European Journal</i> , 2017, 23, 10789-10799.	1.7	22
688	Kinetic Selectivity and Thermodynamic Features of Competitive Imine Formation in Dynamic Covalent Chemistry. <i>Chemistry - A European Journal</i> , 2017, 23, 11108-11118.	1.7	43
689	Details make the difference: a family of tetranuclear Cu <sup>II</sup> Mn <sup>III</sup> complexes with cube-like and double open cube-like cores. <i>Dalton Transactions</i> , 2017, 46, 7480-7494.	1.6	8
690	Oligocarboxylates as useful templates in dynamic combinatorial chemistry. <i>Pure and Applied Chemistry</i> , 2017, 89, 801-807.	0.9	5
691	Entropy-driven homochiral self-sorting of a dynamic library. <i>Chemical Communications</i> , 2017, 53, 4274-4277.	2.2	17
692	Molecular Barrel by a Hooping Strategy: Synthesis, Structure, and Selective CO <sub>2</sub> Adsorption Facilitated by Lone Pair <sup>π</sup> Interactions. <i>Journal of the American Chemical Society</i> , 2017, 139, 635-638.	6.6	62
693	Generation of Multicomponent Molecular Cages using Simultaneous Dynamic Covalent Reactions. <i>Chemistry - A European Journal</i> , 2017, 23, 18010-18018.	1.7	40
694	Complex molecular surfaces and interfaces: concluding remarks. <i>Faraday Discussions</i> , 2017, 204, 487-502.	1.6	6
695	Amplification of a metallacyclic receptor out of a dynamic combinatorial library. <i>Dalton Transactions</i> , 2017, 46, 15671-15675.	1.6	7
696	Spiers Memorial Lecture: : Progress and prospects of reticular chemistry. <i>Faraday Discussions</i> , 2017, 201, 9-45.	1.6	85
700	Self-Assembly of Giant Spherical Liquid-Crystalline Complexes and Formation of Nanostructured Dynamic Gels that Exhibit Self-Healing Properties. <i>Angewandte Chemie</i> , 2017, 129, 14273-14277.	1.6	25
702	Self-Assembly of Giant Spherical Liquid-Crystalline Complexes and Formation of Nanostructured Dynamic Gels that Exhibit Self-Healing Properties. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14085-14089.	7.2	81
703	Gelation-driven selection in dynamic covalent C <sup>i</sup> C/C <sup>i</sup> N exchange. <i>Chemical Science</i> , 2017, 8, 6822-6828.	3.7	15
704	Generation of Cryptophanes in Water by Disulfide Bridge Formation. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 3795-3811.	1.2	12
705	One-Pot Self-Assembly of Peptide-Based Cage-Type Nanostructures Using Orthogonal Ligations. <i>Chemistry - A European Journal</i> , 2017, 23, 14323-14331.	1.7	11
706	Postmodification of a supramolecular organic framework: visible-light-induced recyclable heterogeneous photocatalysis for the reduction of azides to amines. <i>Chemical Communications</i> , 2017, 53, 13367-13370.	2.2	42
707	Exploring the emergence of complexity using synthetic replicators. <i>Chemical Society Reviews</i> , 2017, 46, 7274-7305.	18.7	66
708	Efficient Characterization of Bulk Heterojunction Films by Mapping Gradients by Reversible Contact with Liquid Metal Top Electrodes. <i>Chemistry of Materials</i> , 2017, 29, 389-398.	3.2	11

#	ARTICLE	IF	CITATIONS
709	Recent advances in the construction and applications of heterometallic macrocycles and cages. <i>Coordination Chemistry Reviews</i> , 2017, 344, 323-344.	9.5	127
710	Dynamic covalent gels assembled from small molecules: from discrete gelators to dynamic covalent polymers. <i>Chinese Chemical Letters</i> , 2017, 28, 168-183.	4.8	33
711	Studies the effects of ultrasonic irradiation and dielectric constants of solvents on formation of lead(II) supramolecular polymer; new precursors for synthesis of lead(II) oxide nanoparticles. <i>Ultrasonics Sonochemistry</i> , 2017, 35, 36-44.	3.8	27
713	N-Didehydrotyrosine identified from the Northeastern Atlantic marine sponge <i>Hymeniacidon perlevis</i> after Chemical Screening. <i>Natural Product Communications</i> , 2017, 12, 1934578X1701200.	0.2	0
714	Self-Assembly in Dynameric Systems. , 2017, , 217-240.		0
715	Cucurbiturils: Synthesis, Structures, Formation Mechanisms, and Nomenclature. , 2017, , 203-220.		4
716	Guanosine-Derived Supramolecular Hydrogels: Recent Developments and Future Opportunities. <i>ACS Omega</i> , 2018, 3, 2230-2241.	1.6	72
717	Structural phase diagrams and isomerism inflexible honeycomb-like 2D hydrogen bonded solid solutions. <i>CrystEngComm</i> , 2018, 20, 1853-1861.	1.3	0
718	Dynamic Covalent Metathesis in the C•C/C•N Exchange between Knoevenagel Compounds and Imines. <i>Journal of the American Chemical Society</i> , 2018, 140, 5560-5568.	6.6	48
719	Beyond Chemical Synthesis: Self•Organization?!. <i>Israel Journal of Chemistry</i> , 2018, 58, 136-141.	1.0	18
720	Dynamic covalent polymer hydrogels and organogels crosslinked through acylhydrazone bonds: synthesis, characterization and applications. <i>Polymer International</i> , 2018, 67, 627-649.	1.6	43
721	Binding Profiles of Self•Assembled Supramolecular Cages from ESI•MS Based Methodology. <i>Chemistry - A European Journal</i> , 2018, 24, 2936-2943.	1.7	25
722	From Coordination Chemistry to Adaptive Chemistry. <i>Advances in Inorganic Chemistry</i> , 2018, 71, 3-78.	0.4	33
723	Imine•Based Architectures at Surfaces and Interfaces: From•Self•Assembly to Dynamic Covalent Chemistry in 2D. <i>Chemistry - an Asian Journal</i> , 2018, 13, 465-481.	1.7	36
724	Harnessing Imine Diversity To Tune Hyperbranched Polymer Degradation. <i>Macromolecules</i> , 2018, 51, 356-363.	2.2	31
725	Generation of Dynamic Combinatorial Libraries Using Hydrazone•Functionalized Surface Mimetics. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 1872-1879.	1.2	5
726	Acid•Amide Supramolecular Synthons in Cocrystals: From Spectroscopic Detection to Property Engineering. <i>Journal of the American Chemical Society</i> , 2018, 140, 6361-6373.	6.6	101
727	Synthesis, characterization, structure and properties of heterobimetallic complexes [CuNi(1/4-OAc) (1/4-OH) (1/4-OH 2) (bpy) 2] (BF 4) 2 and [CuNi(bz) 3 (bpy) 2] ClO 4 from 2,2•bipyridine. <i>Journal of Molecular Structure</i> , 2018, 1154, 535-542.	1.8	2

#	ARTICLE	IF	CITATIONS
728	Surface Modification Based on Diselenide Dynamic Chemistry: Towards Liquid Motion and Surface Bioconjugation. <i>Angewandte Chemie</i> , 2018, 131, 552.	1.6	9
729	Metallonanobelt: A Kinetically Stable Shape-Persistent Molecular Belt Prepared by Reversible Self-Assembly Processes. <i>Inorganic Chemistry</i> , 2018, 57, 15500-15506.	1.9	17
730	Selenium-Containing Polymers: Perspectives toward Diverse Applications in Both Adaptive and Biomedical Materials. <i>Macromolecules</i> , 2018, 51, 7435-7455.	2.2	116
731	Wavelength-Controlled Dynamic Metathesis: A Light-Driven Exchange Reaction between Disulfide and Diselenide Bonds. <i>Angewandte Chemie</i> , 2018, 130, 16664-16668.	1.6	19
732	Wavelength-Controlled Dynamic Metathesis: A Light-Driven Exchange Reaction between Disulfide and Diselenide Bonds. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16426-16430.	7.2	103
733	Imine polymers containing chiral nanostructures in the backbone obtained through [2 + 2] cyclocondensation. <i>Journal of Polymer Science Part A</i> , 2018, 56, 2565-2573.	2.5	2
734	Template-Directed Synthesis of Molecular Nanorings and Cages. <i>Accounts of Chemical Research</i> , 2018, 51, 2083-2092.	7.6	174
735	Construction of supramolecular hexagonal metallacycles via coordination-driven self-assembly: Structure, properties and application. <i>Coordination Chemistry Reviews</i> , 2018, 369, 39-75.	9.5	79
736	A Journey From Solution Self-Assembly to Designed Interfacial Assembly. <i>Advances in Inorganic Chemistry</i> , 2018, 71, 79-134.	0.4	8
737	Reversible fabrication and self-assembly of a gemini supra-amphiphile driven by dynamic covalent bonds. <i>Soft Matter</i> , 2018, 14, 5995-6000.	1.2	5
738	Guiding principles for peptide nanotechnology through directed discovery. <i>Chemical Society Reviews</i> , 2018, 47, 3737-3758.	18.7	116
739	Autopoietic Behavior of Dynamic Covalent Amphiphiles. <i>Chemistry - A European Journal</i> , 2018, 24, 17125-17137.	1.7	4
740	Simple prebiotic synthesis of high diversity dynamic combinatorial polyester libraries. <i>Communications Chemistry</i> , 2018, 1, .	2.0	38
741	Proton-Gradient-Driven Oriented Motion of Nanodiamonds Grafted to Graphene by Dynamic Covalent Bonds. <i>ACS Nano</i> , 2018, 12, 7141-7147.	7.3	17
742	Conditional Molecular Design with Deep Generative Models. <i>Journal of Chemical Information and Modeling</i> , 2019, 59, 43-52.	2.5	113
743	Strategy and Methodology in the Synthesis of Multicomponent Molecular Solids: The Quest for Higher Cocrystals. <i>Accounts of Chemical Research</i> , 2019, 52, 2210-2220.	7.6	85
744	Pattern Generation and Information Transfer through a Liquid/Liquid Interface in 3D Constitutional Dynamic Networks of Imine Ligands in Response to Metal Cation Effectors. <i>Journal of the American Chemical Society</i> , 2019, 141, 12724-12737.	6.6	26
745	From a Binary to a Quaternary Cocrystal: An Unusual Supramolecular Synthone. <i>Angewandte Chemie</i> , 2019, 131, 12155-12159.	1.6	16

#	ARTICLE	IF	CITATIONS
746	From a Binary to a Quaternary Cocrystal: An Unusual Supramolecular Synthron. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12027-12031.	7.2	42
747	Time-Dependent Switching of Constitutional Dynamic Libraries and Networks from Kinetic to Thermodynamic Distributions. <i>Journal of the American Chemical Society</i> , 2019, 141, 18560-18569.	6.6	29
748	Pore surface engineering of covalent organic frameworks: structural diversity and applications. <i>Nanoscale</i> , 2019, 11, 21679-21708.	2.8	82
749	Dynamic polyimine macrobicyclic cryptands " self-sorting with component selection. <i>Chemical Science</i> , 2019, 10, 1836-1843.	3.7	61
750	Probing the Dynamics of the Imine-Based Pentafoil Knot and Pentameric Circular Helicate Assembly. <i>Journal of the American Chemical Society</i> , 2019, 141, 3605-3612.	6.6	28
751	Insights into real-time chemical processes in a calcium sensor protein-directed dynamic library. <i>Nature Communications</i> , 2019, 10, 2798.	5.8	16
752	Ion-Mobility Mass Spectrometry for the Rapid Determination of the Topology of Interlocked and Knotted Molecules. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11324-11328.	7.2	43
753	Ion-Mobility Mass Spectrometry for the Rapid Determination of the Topology of Interlocked and Knotted Molecules. <i>Angewandte Chemie</i> , 2019, 131, 11446-11450.	1.6	20
754	Crystal structure, cytotoxicity and biological activity of hydrogen bonded networks based on dimethyltin (IV) and bipodal ligands. <i>Journal of Organometallic Chemistry</i> , 2019, 894, 43-60.	0.8	4
755	Diselenide-Containing Polymeric Vesicles with Osmotic Pressure Response. <i>ACS Macro Letters</i> , 2019, 8, 629-633.	2.3	35
756	Self-complementary and narcissistic self-sorting of bis-acridinium tweezers. <i>Dalton Transactions</i> , 2019, 48, 8725-8730.	1.6	4
757	Electronic absorption and emission properties of bishydrazone [2 $\pi$ - $\pi$ ] metallocsupramolecular grid-type architectures. <i>Inorganica Chimica Acta</i> , 2019, 494, 223-231.	1.2	18
758	A pillar[5]arene with an amino-terminated arm stabilizes the formation of aliphatic hemiaminals and imines. <i>Chemical Communications</i> , 2019, 55, 5736-5739.	2.2	16
759	Advancing Computational Toxicology in the Big Data Era by Artificial Intelligence: Data-Driven and Mechanism-Driven Modeling for Chemical Toxicity. <i>Chemical Research in Toxicology</i> , 2019, 32, 536-547.	1.7	120
761	Visible-light-induced metathesis reaction between diselenide and ditelluride. <i>Chemical Communications</i> , 2019, 55, 2813-2816.	2.2	40
762	Efficient learning of non-autoregressive graph variational autoencoders for molecular graph generation. <i>Journal of Cheminformatics</i> , 2019, 11, 70.	2.8	47
763	Dynamic Combinatorial Chemistry: A New Methodology Comes of Age. <i>Chemistry - A European Journal</i> , 2019, 25, 60-73.	1.7	86
764	Multi-functional supramolecular polymer produced from natural small molecules in a facile route. <i>Science China Chemistry</i> , 2019, 62, 155-156.	4.2	0

#	ARTICLE	IF	CITATIONS
765	Covalent Organic Frameworks: Chemistry beyond the Structure. <i>Journal of the American Chemical Society</i> , 2019, 141, 1807-1822.	6.6	931
766	Surface Modification Based on Diselenide Dynamic Chemistry: Towards Liquid Motion and Surface Bioconjugation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 542-546.	7.2	49
767	Structuring and Restructuring. <i>Lecture Notes in Intelligent Transportation and Infrastructure</i> , 2019, , 53-69.	0.3	0
768	Dynamic Generation of G-Quadruplex DNA Ligands by Target-Guided Combinatorial Chemistry on a Magnetic Nanoplatfrom. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 762-773.	2.9	17
769	Multiple adaptation of constitutional dynamic networks and information storage in constitutional distributions of acylhydrazones. <i>Chemical Science</i> , 2019, 10, 90-98.	3.7	31
770	Autonomous Discovery in the Chemical Sciences Partâ€¦.: Progress. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22858-22893.	7.2	180
771	Autonome Entdeckung in den chemischen Wissenschaften, Teilâ€¦.: Fortschritt. <i>Angewandte Chemie</i> , 2020, 132, 23054-23091.	1.6	11
772	Dynamic covalent polymers for biomedical applications. <i>Materials Chemistry Frontiers</i> , 2020, 4, 489-506.	3.2	94
773	Reconfigurable Surfaces Based on Photocontrolled Dynamic Bonds. <i>Advanced Functional Materials</i> , 2020, 30, 1907605.	7.8	27
774	Bulk network polymers with dynamic Bâ€“O bonds: healable and reprocessable materials. <i>Materials Horizons</i> , 2020, 7, 694-714.	6.4	151
775	Selfâ€“Assembly in Water with Nâ€“Substituted Imines. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18350-18367.	7.2	55
776	Dynamic Helicates Selfâ€“Assembly from Homoâ€“and Heterotopic Dynamic Covalent Ligand Strands. <i>Chemistry - A European Journal</i> , 2020, 26, 15664-15671.	1.7	24
777	Phase transfer of metal cations by induced dynamic carrier agents: biphasic extraction based on dynamic covalent chemistry. <i>Chemical Science</i> , 2020, 11, 11468-11477.	3.7	4
778	An atropisomeric M <sub>2</sub> L <sub>4</sub> cage mixture displaying guest-induced convergence and strong guest emission in water. <i>Chemical Science</i> , 2020, 11, 8145-8150.	3.7	46
779	Structural reorganization and crack-healing properties of hydrogels based on dynamic diselenide linkages. <i>Science and Technology of Advanced Materials</i> , 2020, 21, 450-460.	2.8	8
780	Physical organic studies and dynamic covalent chemistry of picolyl heterocyclic amino aminals. <i>RSC Advances</i> , 2020, 10, 40421-40427.	1.7	2
781	The influence of high pressure on static combinatorial libraries of chiral BINOL-based macrocyclic amides. <i>Tetrahedron</i> , 2020, 76, 131438.	1.0	1
782	Kinetic and Thermodynamic Modulation of Dynamic Imine Libraries Driven by the Hexameric Resorcinarene Capsule. <i>Journal of the American Chemical Society</i> , 2020, 142, 14914-14923.	6.6	26

#	ARTICLE	IF	CITATIONS
783	Design Principles of Interfacial Dynamic Bonds in Self-Healing Materials: What are the Parameters?. Chemistry - an Asian Journal, 2020, 15, 4215-4240.	1.7	13
784	Cationic dynamic covalent polymers for gene transfection. Journal of Materials Chemistry B, 2020, 8, 9385-9403.	2.9	24
785	Dynamic Covalent Self-Sorting and Kinetic Switching Processes in Two Cyclic Orders: Macrocycles and Macrobicyclic Cages. Journal of the American Chemical Society, 2020, 142, 15137-15145.	6.6	29
786	Adaptive SeTe Metathesis Controlled by Cucurbituril-Based Host-Guest Interaction. Chemistry - an Asian Journal, 2020, 15, 4321-4326.	1.7	8
787	Configurational Selection in Azobenzene-Based Supramolecular Systems Through Dual-Stimuli Processes. ChemistryOpen, 2020, 9, 538-553.	0.9	20
788	Controlled binding of organic guests by stimuli-responsive macrocycles. Chemical Society Reviews, 2020, 49, 3834-3862.	18.7	73
789	Selbstorganisation in Wasser mit N-substituierten Aminen. Angewandte Chemie, 2020, 132, 18506-18524.	1.6	6
790	A Versatile Approach to Dynamic Amide Bond Formation with Imine Nucleophiles. Chemistry - A European Journal, 2020, 26, 5709-5716.	1.7	4
791	Hetero Diels-Alder Reactions with a Dicationic Urea Azine Derived Azo Dienophile and Their Use for the Synthesis of an Electron-Rich Pentacene. Chemistry - A European Journal, 2020, 26, 12328-12332.	1.7	2
792	Advanced functional polymer materials. Materials Chemistry Frontiers, 2020, 4, 1803-1915.	3.2	117
793	Applications of Dynamic Covalent Chemistry Concept toward Tailored Covalent Organic Framework Nanomaterials: A Review. ACS Applied Nano Materials, 2020, 3, 6239-6269.	2.4	96
794	A Triptycene-Based Enantiopure Bis(Diazadibenzoanthracene) by a Chirality-Assisted Synthesis Approach. Chemistry - A European Journal, 2020, 26, 16036-16042.	1.7	12
795	Supramolecular catalysis by recognition-encoded oligomers: discovery of a synthetic imine polymerase. Chemical Science, 2020, 11, 7408-7414.	3.7	9
796	A Novel Sulfur-Based Terpolymer Cathode Material for Lithium-Sulfur Battery. Energy Technology, 2020, 8, 2000057.	1.8	3
797	Wavelength-Controlled Light-Responsive Polymer Vesicle Based on SeS Dynamic Chemistry. ACS Macro Letters, 2020, 9, 163-168.	2.3	30
798	Simultaneous CO <sub>2</sub> capture and metal purification from waste streams using triple-level dynamic combinatorial chemistry. Nature Chemistry, 2020, 12, 202-212.	6.6	35
799	An antioxidant self-healing hydrogel for 3D cell cultures. Journal of Materials Chemistry B, 2020, 8, 1383-1388.	2.9	25
800	On the conditions for mimicking natural selection in chemical systems. Nature Reviews Chemistry, 2020, 4, 102-109.	13.8	23



#	ARTICLE	IF	CITATIONS
801	Host-Guest Chemistry of Truncated Tetrahedral Imine Cages with Ammonium Ions. <i>ChemistryOpen</i> , 2020, 9, 183-190.	0.9	12
802	Tunable Structural Color Patterns Based on the Visible-Light-Responsive Dynamic Diselenide Metathesis. <i>Advanced Materials</i> , 2020, 32, e1907569.	11.1	91
803	PNA-Based Dynamic Combinatorial Libraries (PDCL) and screening of lectins. <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115458.	1.4	13
804	Molecular Recognition by Chalcogen Bond: Selective Charge-Transfer Crystal Formation of Dimethylnaphthalene with Selenadiazolotetracyanonaphthoquinodimethane. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 990-997.	1.2	12
805	Metal Ion-Driven Constitutional Adaptation in Dynamic Covalent C=C/C=N Organo-Metathesis. <i>Chemistry - an Asian Journal</i> , 2021, 16, 44-48.	1.7	5
806	A Giant [8+12] Boronic Ester Cage with 48 Terminal Alkene Units in the Periphery for Postsynthetic Alkene Metathesis. <i>Chemistry - A European Journal</i> , 2021, 27, 233-237.	1.7	18
807	Identification of a Heteroleptic Pd <sub>6</sub> L <sub>6</sub> L <sup>2</sup> Coordination Cage by Screening of a Virtual Combinatorial Library. <i>Journal of the American Chemical Society</i> , 2021, 143, 1773-1778.	6.6	76
808	Carbocatalysis with pristine graphite: on-surface nanochemistry assists solution-based catalysis. <i>Chemical Society Reviews</i> , 2021, 50, 2280-2296.	18.7	14
809	Efficient one-pot synthesis of [3]catenanes based on Pt(II) metallacycles with a flexible building block. <i>Organic Chemistry Frontiers</i> , 2021, 8, 5280-5288.	2.3	3
810	Chiral Self-Sorting of Giant Cubic [8+12] Salicylimine Cage Compounds. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8896-8904.	7.2	70
811	Chiral Self-Sorting of Giant Cubic [8+12] Salicylimine Cage Compounds. <i>Angewandte Chemie</i> , 2021, 133, 8978-8986.	1.6	25
813	Metal Cation-Driven Dynamic Covalent Formation of Imine and Hydrazone Ligands Displaying Synergistic Co-catalysis and Auxiliary Amine Effects. <i>Chemistry - A European Journal</i> , 2021, 27, 7516-7524.	1.7	4
814	Identification of selective LdDHFR inhibitors using quantum chemical and molecular modeling approach. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, , 1-9.	2.0	1
817	Soluble Congeners of Prior Insoluble Shape-Persistent Imine Cages. <i>Chemistry - A European Journal</i> , 2021, 27, 9383-9390.	1.7	17
819	Kinetic Study, Thermo-Mechanical Characteristics and Recyclability of Epoxidized Camelina Oil Cured with Antagonist Structure (Aliphatic/Aromatic) or Functionality (Acid/Amine) Hardeners. <i>Polymers</i> , 2021, 13, 2503.	2.0	13
820	Covalent organic frameworks based nanomaterials: Design, synthesis, and current status for supercapacitor applications: A review. <i>Journal of Energy Storage</i> , 2021, 39, 102618.	3.9	46
821	Dynamic Catalytic Highly Enantioselective 1,3-Dipolar Cycloadditions. <i>Angewandte Chemie</i> , 2021, 133, 20165-20173.	1.6	2
822	Design of Stimuli-Responsive Dynamic Covalent Delivery Systems for Volatile Compounds (Part 2): Fragrance-Releasing Cleavable Surfactants in Functional Perfumery Applications. <i>Chemistry - A European Journal</i> , 2021, 27, 13468-13476.	1.7	13

#	ARTICLE	IF	CITATIONS
823	Design of Stimuli-Responsive Dynamic Covalent Delivery Systems for Volatile Compounds (Part 1): Controlled Hydrolysis of Micellar Amphiphilic Imines in Water. <i>Chemistry - A European Journal</i> , 2021, 27, 13457-13467.	1.7	10
824	Dynamic Catalytic Highly Enantioselective 1,3-Dipolar Cycloadditions. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20012-20020.	7.2	11
825	Unconstrained 3D Shape Programming with Light-Induced Stress Gradient. <i>Advanced Materials</i> , 2021, 33, e2105194.	11.1	44
826	Biomimetic selenocystine based dynamic combinatorial chemistry for thiol-disulfide exchange. <i>Nature Communications</i> , 2021, 12, 163.	5.8	15
827	Combinatorial Method for Surface-Confined Sensor Design and Fabrication. , 2005, , 169-188.		11
828	Philosophy of Chemistry. , 2009, , 165-186.		8
829	Supramolecular Enzyme Mimics. , 2010, , 113-151.		2
830	Molecular Descriptors. , 2016, , 1-29.		13
831	Artificial Intelligence in Drug Discovery: A Comprehensive Review of Data-driven and Machine Learning Approaches. <i>Biotechnology and Bioprocess Engineering</i> , 2020, 25, 895-930.	1.4	43
832	Molecular dynamics simulations reveal disruptive self-assembly in dynamic peptide libraries. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 6541-6547.	1.5	15
833	Exploiting complexity to implement function in chemical systems. <i>Chemical Communications</i> , 2020, 56, 13273-13286.	2.2	13
835	Formation of Hetero-Boroxines: Dynamic Combinatorial Libraries Generated through Trimerization of Pairs of Arylboronic Acids. <i>Heterocycles</i> , 2007, 74, 219.	0.4	15
836	Switchable Rotaxane System in Response to External Stimulus. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2011, 69, 62-72.	0.0	9
837	Peripherally multi-functionalised metallocsupramolecular grids: assembly, decoration, building blocks for dynamic covalent architectures. <i>Inorganic Chemistry Frontiers</i> , 0, , .	3.0	2
838	“Green” Asymmetric Synthesis: The Catalysts. <i>Springer Briefs in Molecular Science</i> , 2011, , 29-66.	0.1	0
839	Self-Organized Hybrid Membranes. , 2011, , 1-12.		0
840	Strong and Weak Molecular Interactions. , 2013, , 131-146.		0
843	CHAPTER 3. Constitutionally Dynamic Metallocsupramolecular Systems. <i>RSC Smart Materials</i> , 2015, , 70-86.	0.1	0

#	ARTICLE	IF	CITATIONS
844	Solâ€“Gel Processed Membranes. , 2016, , 1-47.		0
845	Conditioned Walks. Studies in Systems, Decision and Control, 2017, , 65-80.	0.8	1
846	Solâ€“Gel Processed Membranes. , 2018, , 1971-2017.		0
847	Polytopic Projects. Lecture Notes in Intelligent Transportation and Infrastructure, 2019, , 1-26.	0.3	0
848	Metal-dependent selective formation of calix[4]arene assemblies based on dynamic covalent chemistry. Chemical Communications, 2021, 57, 13510-13513.	2.2	1
849	Two-Dimensional Polymers and Polymerizations. Chemical Reviews, 2022, 122, 442-564.	23.0	128
850	Solvent and Counteranion Assisted Dynamic Self-Assembly of Molecular Triangles and Tetrahedral Cages. Inorganic Chemistry, 2022, 61, 2368-2377.	1.9	16
851	Triazine- and Binaphthol-Based Chiral Macrocycles and Cages: Synthesis, Structure, and Solid-State Assembly. Journal of Organic Chemistry, 2022, 87, 3491-3497.	1.7	5
852	Advances of supramolecular interaction systems for improved oil recovery (IOR). Advances in Colloid and Interface Science, 2022, 301, 102617.	7.0	29
853	Dissipative Dynamic Covalent Chemistry (DDCvC) Based on the Transimination Reaction. Chemistry - A European Journal, 2022, 28, .	1.7	18
854	Biocompatible Diselenide-Containing Protein Hydrogels with Effective Visible-Light-Initiated Self-Healing Properties. Polymers, 2021, 13, 4360.	2.0	1
855	Combinatorial Method for Surface-Confined Sensor Design and Fabrication. , 2005, , 169-188.		0
856	Functional polymer materials based on dynamic covalent chemistry. Science China Materials, 2022, 65, 2017-2034.	3.5	18
857	Waterâ€“Soluble (Poly)acylhydrazones: Syntheses and Applications. Macromolecular Chemistry and Physics, 2022, 223, .	1.1	5
858	Preparation and properties of selfâ€“healable solidâ€“state polymer electrolytes based on covalent adaptive networks enabled by disulfide bond. Journal of Polymer Science, 2022, 60, 2582-2590.	2.0	3
859	Toward in Silico Modeling of Dynamic Combinatorial Libraries. ACS Central Science, 2022, 8, 804-813.	5.3	3
860	Nanoparticle Self-Assembly: From Design Principles to Complex Matter to Functional Materials. ACS Applied Materials & Interfaces, 2023, 15, 25248-25274.	4.0	33
861	Forty years of combinatorial technology. Drug Discovery Today, 2022, 27, 103308.	3.2	10

#	ARTICLE	IF	CITATIONS
863	History of Chemical Notations from Alchemy to Psychochemistry. <i>Israel Journal of Chemistry</i> , 0, , .	1.0	1
864	Dissipative Dynamic Libraries (DDLs) and Dissipative Dynamic Combinatorial Chemistry (DDCC). <i>ChemSystemsChem</i> , 2022, 4, .	1.1	8
865	Dynamic Covalent Hydrogels: Strong yet Dynamic. <i>Gels</i> , 2022, 8, 577.	2.1	12
866	Inverse hydride shuttle catalysis enables the stereoselective one-step synthesis of complex frameworks. <i>Nature Chemistry</i> , 2022, 14, 1306-1310.	6.6	13
867	Self-Healable Lithium-Ion Batteries: A Review. <i>Nanomaterials</i> , 2022, 12, 3656.	1.9	3
868	A Cross-linked Polyethylene with Recyclability and Mechanical Robustness Enabled by Establishment of Multiple Hydrogen Bonds Network via Reactive Melt Blending. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2023, 41, 1104-1114.	2.0	2
870	Mechanochemistry of dynamic chalcogen-containing polymers: a minireview. <i>New Journal of Chemistry</i> , 2023, 47, 5582-5592.	1.4	1
871	Porous Organic Cages. <i>Chemical Reviews</i> , 2023, 123, 4602-4634.	23.0	60
873	Nucleic acids as templates and catalysts in chemical reactions: target-guided dynamic combinatorial chemistry and <i>in situ</i> click chemistry and DNA/RNA induced enantioselective reactions. <i>Chemical Society Reviews</i> , 2023, 52, 4248-4291.	18.7	2