Jean-Marie Lehn

List of Publications by Year
in descending order

178 papers	28,681 citations	6613 79 h-index	4991 167 g-index
196 all docs	196 docs citations	196 times ranked	18516 citing authors

#	Article	IF	Citations
1	Supramolecular Chemistryâ€"Scope and Perspectives Molecules, Supermolecules, and Molecular Devices(Nobel Lecture). Angewandte Chemie International Edition in English, 1988, 27, 89-112.	4.4	3,457
2	Toward Self-Organization and Complex Matter. Science, 2002, 295, 2400-2403.	12.6	2,107
3	From supramolecular chemistry towards constitutional dynamic chemistry and adaptive chemistry. Chemical Society Reviews, 2007, 36, 151-160.	38.1	1,675
4	Grid-Type Metal Ion Architectures: Functional Metallosupramolecular Arrays. Angewandte Chemie - International Edition, 2004, 43, 3644-3662.	13.8	1,319
5	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.	7.1	1,221
6	Dynamic Combinatorial Chemistry and Virtual Combinatorial Libraries. Chemistry - A European Journal, 1999, 5, 2455-2463.	3.3	891
7	From precision polymers to complex materials and systems. Nature Reviews Materials, 2016, 1, .	48.7	725
8	Molecular recognition directed self-assembly of supramolecular liquid crystalline polymers from complementary chiral components. Advanced Materials, 1990, 2, 254-257.	21.0	699
9	Self-Assembly of a Circular Double Helicate. Angewandte Chemie International Edition in English, 1996, 35, 1838-1840.	4.4	613
10	DYNAMERS: dynamic polymers as self-healing materials. Chemical Society Reviews, 2015, 44, 3786-3807.	38.1	582
11	Dynamers: dynamic molecular and supramolecular polymers. Progress in Polymer Science, 2005, 30, 814-831.	24.7	572
12	Self-Assembly of Tetra- and Hexanuclear Circular Helicates. Journal of the American Chemical Society, 1997, 119, 10956-10962.	13.7	547
13	Perspectives in Chemistryâ€"Steps towards Complex Matter. Angewandte Chemie - International Edition, 2013, 52, 2836-2850.	13.8	534
14	Drug discovery by dynamic combinatorial libraries. Nature Reviews Drug Discovery, 2002, 1, 26-36.	46.4	459
15	Perspectives in Chemistryâ€"Aspects of Adaptive Chemistry and Materials. Angewandte Chemie - International Edition, 2015, 54, 3276-3289.	13.8	392
16	Multicomponent Self-Assembly: Spontaneous Formation of a Cylindrical Complex from Five Ligands and Six Metal Ions. Angewandte Chemie International Edition in English, 1993, 32, 69-72.	4.4	335
17	Spin Crossover in a Supramolecular Fe4II [2Ã—2] Grid Triggered by Temperature, Pressure, and Light. Angewandte Chemie - International Edition, 2000, 39, 2504-2507.	13.8	334
18	Gelation-driven component selection in the generation of constitutional dynamic hydrogels based on guanine-quartet formation. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 5938-5943.	7.1	329

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19	Supramolecular Polymers Generated from Heterocomplementary Monomers Linked through Multiple Hydrogen-Bonding Arraysâ€"Formation, Characterization, and Properties. Chemistry - A European Journal, 2002, 8, 1227.	3.3	293
20	Molecular recognition directed self-assembly of ordered supramolecular strands by cocrystallization of complementary molecular components. Journal of the Chemical Society Chemical Communications, 1990, , 479.	2.0	258
21	Light-Driven Molecular Motors: Imines as Four-Step or Two-Step Unidirectional Rotors. Journal of the American Chemical Society, 2014, 136, 13114-13117.	13.7	241
22	Programmed Chemical Systems: Multiple Subprograms and Multiple Processing/Expression of Molecular Information. Chemistry - A European Journal, 2000, 6, 2097-2102.	3.3	217
23	In Situ Generation and Screening of a Dynamic Combinatorial Carbohydrate Library against Concanavalin A. ChemBioChem, 2000, 1, 41-48.	2.6	217
24	Coordination Arrays: Tetranuclear Cobalt(II) Complexes with[2Ã— 2]-Grid Structure. Angewandte Chemie International Edition in English, 1997, 36, 1842-1844.	4.4	200
25	Configurational and Constitutional Information Storage: Multiple Dynamics in Systems Based on Pyridyl and Acyl Hydrazones. Chemistry - A European Journal, 2011, 17, 248-258.	3.3	196
26	Controlled Arrangement of Supramolecular Metal Coordination Arrays on Surfaces. Angewandte Chemie - International Edition, 1999, 38, 2547-2550.	13.8	183
27	Selbstaufbau eines zirkularen Doppelhelicates. Angewandte Chemie, 1996, 108, 1987-1990.	2.0	180
28	Merging Constitutional and Motional Covalent Dynamics in Reversible Imine Formation and Exchange Processes. Journal of the American Chemical Society, 2012, 134, 9446-9455.	13.7	156
29	Supramolecular Spintronic Devices: Spin Transitions and Magnetostructural Correlations in[Fe4II4L4]8+[2Ã—2]-Grid-Type Complexes. Chemistry - A European Journal, 2003, 9, 4422-4429.	3.3	155
30	Conjecture: Imines as Unidirectional Photodriven Molecular Motorsâ€"Motional and Constitutional Dynamic Devices. Chemistry - A European Journal, 2006, 12, 5910-5915.	3.3	153
31	Self-Assembly, Structure, and Dynamic Interconversion of Metallosupramolecular Architectures Generated by Pb(II) Binding-Induced Unfolding of a Helical Ligand. Journal of the American Chemical Society, 2003, 125, 10257-10265.	13.7	149
32	Self-assembled lamellar complexes of siRNA with lipidic aminoglycoside derivatives promote efficient siRNA delivery and interference. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 16534-16539.	7.1	144
33	Helicate self-organisation: positive cooperativity in the self-assembly of double-helical metal complexes. Journal of the Chemical Society Chemical Communications, 1992, , 838.	2.0	143
34	Self-organization by selection: Generation of a metallosupramolecular 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.	7.1	140
35	Supramolecular Assemblies of a Bis(terpyridine) Ligand and of its [2Ã—2] Grid-type ZnII and CoII Complexes on Highly Ordered Pyrolytic Graphite. Chemistry - A European Journal, 2002, 8, 951-957.	3.3	137
36	Self-Assembly and Structure of Interconverting Multinuclear Inorganic Arrays: A [4Ã—5]-AgI20 Grid and an AgI10 Quadruple Helicate. Chemistry - A European Journal, 2000, 6, 4510-4517.	3.3	135

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37	Scandium(III) Catalysis of Transimination Reactions. Independent and Constitutionally Coupled Reversible Processes. Journal of the American Chemical Society, 2005, 127, 5528-5539.	13.7	134
38	Reversible Dielsâ^'Alder Reactions for the Generation of Dynamic Combinatorial Libraries. Organic Letters, 2005, 7, 15-18.	4.6	133
39	Dynamic Combinatorial Carbohydrate Libraries: Probing the Binding Site of the Concanavalin A Lectin. Chemistry - A European Journal, 2004, 10, 1711-1715.	3.3	126
40	Protonic and Temperature Modulation of Constituent Expression by Component Selection in a Dynamic Combinatorial Library of Imines. Chemistry - A European Journal, 2006, 12, 1715-1722.	3.3	125
41	Dynamic covalent chemistry of bisimines at the solid/liquid interface monitored by scanning tunnelling microscopy. Nature Chemistry, 2014, 6, 1017-1023.	13.6	124
42	Constitutional Dynamic Self-Sensing in a ZincII/Polyiminofluorenes System. Journal of the American Chemical Society, 2004, 126, 11448-11449.	13.7	123
43	Selbstorganisation von Multikomponentenâ€systemen: spontane Bildung eines zylinderfÃ¶rmigen Komplexes aus fÃ¼nf Liganden und sechs Metallâ€Ionen. Angewandte Chemie, 1993, 105, 92-95.	2.0	121
44	Polyaza macrobicyclic cryptands: synthesis, crystal structures of a cyclophane type macrobicyclic cryptand and of its dinuclear copper(I) cryptate, and anion binding features. Journal of the Chemical Society Chemical Communications, 1987, , 1691.	2.0	114
45	Metallodynamers: Neutral Dynamic Metallosupramolecular Polymers Displaying Transformation of Mechanical and Optical Properties on Constitutional Exchange. Angewandte Chemie - International Edition, 2007, 46, 5007-5010.	13.8	112
46	Dynamers: Dynamic Molecular and Supramolecular Polymers. Australian Journal of Chemistry, 2010, 63, 611.	0.9	112
47	Synthesis of ionisable [2 Ã— 2] grid-type metallo-arrays and reversible protonic modulation of the optical properties of the [CoII4L4]8+species. Chemical Communications, 2003, , 1338-1339.	4.1	111
48	Glycodynamers: Dynamic Polymers Bearing Oligosaccharides Residues â^' Generation, Structure, Physicochemical, Component Exchange, and Lectin Binding Properties. Journal of the American Chemical Society, 2010, 132, 2573-2584.	13.7	111
49	Self-Assembly and Characterization of Multimetallic Grid-Type Lead(II) Complexes. Chemistry - A European Journal, 1999, 5, 1803-1808.	3.3	110
50	Tunable Fluorene-Based Dynamers through Constitutional Dynamic Chemistry. Chemistry - A European Journal, 2006, 12, 1723-1735.	3.3	109
51	Helicity-Encoded Molecular Strands: Efficient Access by the Hydrazone Route and Structural Features. Helvetica Chimica Acta, 2003, 86, 1598-1624.	1.6	108
52	Self-complementary hydrogen bonding heterocycles designed for the enforced self-assembly into supramolecular macrocycles. Chemical Communications, 1996, , 1527.	4.1	107
53	Formation of Rack- and Grid-Type Metallosupramolecular Architectures and Generation of Molecular Motion by Reversible Uncoiling of Helical Ligand Strands. Chemistry - A European Journal, 2006, 12, 4503-4522.	3.3	106
54	Adaptation in Constitutional Dynamic Libraries and Networks, Switching between Orthogonal Metalloselection and Photoselection Processes. Journal of the American Chemical Society, 2014, 136, 9509-9518.	13.7	105

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55	The â€œchundleâ€•approach to molecular channels synthesis of a macrocycle-based molecular bundle. Tetrahedron Letters, 1988, 29, 3803-3806.	1.4	101
56	Double dynamers: molecular and supramolecular double dynamic polymers. Chemical Communications, 2005, , 1519.	4.1	101
57	Glycodynamers: Fluorescent Dynamic Analogues of Polysaccharides. Angewandte Chemie - International Edition, 2008, 47, 3556-3559.	13.8	100
58	Chemical biology of dynamic combinatorial libraries. Biochimica Et Biophysica Acta - General Subjects, 2002, 1572, 178-186.	2.4	99
59	Hierarchical Self-Assembly of Supramolecular Spintronic Modules into 1D- and 2D-Architectures with Emergence of Magnetic Properties. Chemistry - A European Journal, 2005, 11, 94-100.	3.3	99
60	Multiple Expression of Molecular Information: Enforced Generation of Different Supramolecular Inorganic Architectures by Processing of the Same Ligand Information through Specific Coordination Algorithms. Chemistry - A European Journal, 2000, 6, 2103-2111.	3.3	97
61	Self-Assembly at the Airâ^'Water Interface. In-Situ Preparation of Thin Films of Metal Ion Grid Architectures. Journal of the American Chemical Society, 1998, 120, 4850-4860.	13.7	95
62	Thermoresponsive Dynamers: Thermally Induced, Reversible Chain Elongation of Amphiphilic Poly(acylhydrazones). Journal of the American Chemical Society, 2011, 133, 10966-10973.	13.7	94
63	Driven Evolution of a Constitutional Dynamic Library of Molecular Helices Toward the Selective Generation of [2 Ã— 2] Gridlike Arrays under the Pressure of Metal Ion Coordination. Journal of the American Chemical Society, 2006, 128, 16748-16763.	13.7	93
64	Generation of Dynamic Constitutional Diversity and Driven Evolution in Helical Molecular Strands under Lewis Acid Catalyzed Component Exchange. Angewandte Chemie - International Edition, 2004, 43, 4902-4906.	13.8	92
65	Electric-Field Modulation of Component Exchange in Constitutional Dynamic Liquid Crystals. Angewandte Chemie - International Edition, 2006, 45, 4619-4624.	13.8	90
66	Adaptation to Shape Switching by Component Selection in a Constitutional Dynamic System. Journal of the American Chemical Society, 2009, 131, 5546-5559.	13.7	90
67	Multilevel Molecular Electronic Species: Electrochemical Reduction of a [2Ã—2]â€…CoII4 Grid-Type Complex by 11 Electrons in 10 Reversible Steps. Angewandte Chemie - International Edition, 2000, 39, 4139-4142.	13.8	89
68	Dynamic solâ€“gel interconversion by reversible cation binding and release in G-quartet-based supramolecular polymers. Chemical Communications, 2005, , 5763.	4.1	89
69	Anion-receptor molecules: Macrocyclic and macrobicyclic effects on anion binding by polyammonium receptor molecules. Helvetica Chimica Acta, 1988, 71, 749-756.	1.6	87
70	A New Macrobicyclic Tris-bipyridine Ligand and Its Cu2I and Ag3I Complexes. Angewandte Chemie International Edition in English, 1991, 30, 1331-1333.	4.4	86
71	Self-Assembly, Structure, and Physical Properties of Tetranuclear ZnII and CoII Complexes of [2 Ã— 2] Grid-Type. European Journal of Inorganic Chemistry, 1999, 1999, 1421-1428.	2.0	84
72	Synthetic Molecular Motors: Thermal N Inversion and Directional Photoinduced Cï£¾N Bond Rotation of Camphorquinone Imines. Angewandte Chemie - International Edition, 2015, 54, 14345-14348.	13.8	83

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73	Solid-State Self-Assembly of Polymeric Double Helicates Leading to Linear Arrays of Silver(I) Ions and Reversible Strand/Double Helix Interconversion in Solution. Chemistry - A European Journal, 2007, 13, 59-68.	3.3	81
74	Constitutional Dynamic Chemistry: Bridge from Supramolecular Chemistry to Adaptive Chemistry. Topics in Current Chemistry, 2011, 322, 1-32.	4.0	81
75	Controlled Folding, Motional, and Constitutional Dynamic Processes of Polyheterocyclic Molecular Strands. Angewandte Chemie - International Edition, 2016, 55, 4130-4154.	13.8	78
76	Structural Selection in Gâ€Quartetâ€Based Hydrogels and Controlled Release of Bioactive Molecules. Chemistry - an Asian Journal, 2008, 3, 134-139.	3.3	76
77	Two-Level Self-Organisation of Arrays of [2Ã—2] Grid-Type Tetranuclear Metal Complexes by Hydrogen Bonding. European Journal of Inorganic Chemistry, 2001, 2001, 1515-1521.	2.0	75
78	Self-Assembly of Tricuprous Double Helicates: Thermodynamics, Kinetics, and Mechanism. Helvetica Chimica Acta, 2001, 84, 1694-1711.	1.6	75
79	Adaptation of Dynamic Covalent Systems of Imine Constituents to Medium Change by Component Redistribution under Reversible Phase Separation. Journal of the American Chemical Society, 2012, 134, 12861-12868.	13.7	75
80	Messages in Molecules: Ligand/Cation Coding and Self-Recognition in a Constitutionally Dynamic System of Heterometallic Double Helicates. Chemistry - A European Journal, 2006, 12, 5632-5641.	3.3	71
81	Structural and Functional Evolution of a Library of Constitutional Dynamic Polymers Driven by Alkali Metal Ion Recognition. Angewandte Chemie - International Edition, 2009, 48, 7635-7638.	13.8	71
82	Ion-Triggered Multistate Molecular Switching Device Based on Regioselective Coordination-Controlled Ion Binding. Chemistry - A European Journal, 2005, 11, 6818-6828.	3.3	70
83	Reversible Switching between Macrocyclic and Polymeric States by Morphological Control in a Constitutional Dynamic System. Angewandte Chemie - International Edition, 2008, 47, 2240-2243.	13.8	69
84	Helicate self-assembly from heterotopic ligand strands of specific binding site sequence. Chemical Communications, 1996, , 2733.	4.1	67
85	Training a Constitutional Dynamic Network for Effector Recognition: Storage, Recall, and Erasing of Information. Journal of the American Chemical Society, 2016, 138, 11783-11791.	13.7	67
86	Protonic modulation of redox properties in ionisable [2 Ã— 2] grid-like metalloarrays. Chemical Communications, 2004, , 718-719.	4.1	66
87	Columnar Self-Assemblies of Triarylamines as Scaffolds for Artificial Biomimetic Channels for Ion and for Water Transport. Journal of the American Chemical Society, 2017, 139, 3721-3727.	13.7	65
88	Controlling the Catalytic Functions of DNAzymes within Constitutional Dynamic Networks of DNA Nanostructures. Journal of the American Chemical Society, 2017, 139, 9662-9671.	13.7	64
89	Crystal structure of a polyfunctional macrocyclic K+ complex provides a solid-state model of a K+ channel. Nature, 1982, 295, 526-527.	27.8	63
90	Self-assembly in self-organized inorganic systems: a view of programmed metallosupramolecular architectures. Journal of the Brazilian Chemical Society, 2001, 12, 431.	0.6	63

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91	Spin State Chemistry: Modulation of Ligand pK_a by Spin State Switching in a [2Ã—2] Iron(II) Grid-Type Complex. Journal of the American Chemical Society, 2018, 140, 8218-8227.	13.7	63
92	Mechanistic Features, Cooperativity, and Robustness in the Self-Assembly of Multicomponent Silver(I) Grid-Type Metalloarchitectures. Angewandte Chemie - International Edition, 2002, 41, 2760-2764.	13.8	62
93	A light-induced reversible phase separation and its coupling to a dynamic library of imines. Chemical Science, 2014, 5, 1475-1483.	7.4	62
94	Molecular Biodynamers: Dynamic Covalent Analogues of Biopolymers. Accounts of Chemical Research, 2017, 50, 376-386.	15.6	62
95	Dynamic polyimine macrobicyclic cryptands â€“ self-sorting with component selection. Chemical Science, 2019, 10, 1836-1843.	7.4	61
96	Mixed-Valence, Mixed-Spin-State, and Heterometallic [2Ã—2] Grid-type Arrays Based on Heteroditopic Hydrazone Ligands: Synthesis and Electrochemical Features. Chemistry - A European Journal, 2005, 11, 2549-2565.	3.3	60
97	DyNAs: Constitutional Dynamic Nucleic Acid Analogues. Chemistry - A European Journal, 2006, 12, 8581-8588.	3.3	59
98	Polyaza-macrocycles of cyclophane type: Synthesis, structure of a chloroform inclusion complex and anion binding.. Tetrahedron Letters, 1987, 28, 3489-3492.	1.4	58
99	Reversible constitutional switching between macrocycles and polymers induced by shape change in a dynamic covalent system. New Journal of Chemistry, 2009, 33, 271.	2.8	58
100	Photoâ€•and Thermoresponsive Supramolecular Assemblies: Reversible Photorelease of K⁺ Ions and Constitutional Dynamics. Angewandte Chemie - International Edition, 2013, 52, 3940-3943.	13.8	57
101	Aminoglycoside-derived cationic lipids as efficient vectors for gene transfectionin vitro andin vivo. Journal of Gene Medicine, 2002, 4, 517-526.	2.8	56
102	Kanamycin A-Derived Cationic Lipids as Vectors for Gene Transfection. ChemBioChem, 2005, 6, 1023-1033.	2.6	55
103	Biodynamers: Self-Organization-Driven Formation of Doubly Dynamic Proteoids. Journal of the American Chemical Society, 2012, 134, 4177-4183.	13.7	54
104	Self-assembly of a symmetric tetracopper box-grid with guest trapping in the solid state. Chemical Communications, 1997, , 2231-2232.	4.1	53
105	Electricâ€Field Triggered Controlled Release of Bioactive Volatiles from Imineâ€Based Liquid Crystalline Phases. Chemistry - A European Journal, 2009, 15, 117-124.	3.3	53
106	Adaptation and Optical Signal Generation in a Constitutional Dynamic Network. Chemistry - A European Journal, 2009, 15, 5640-5645.	3.3	53
107	Generation of [2Ã—2] Grid Metallosupramolecular Architectures from Preformed Ditopic Bis(acylhydrazone) Ligands and through Component Self-Assembly. European Journal of Inorganic Chemistry, 2007, 2007, 2944-2965.	2.0	52
108	The Photodynamic Covalent Bond: Sensitized Alkoxyamines as a Tool To Shift Reaction Networks Out-of-Equilibrium Using Light Energy. Journal of the American Chemical Society, 2018, 140, 7647-7657.	13.7	51

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109	Self-Assembly, Structure and Solution Dynamics of Tetranuclear Zn2+ Hydrazone [2Ã—2] Grid-Type Complexes. European Journal of Inorganic Chemistry, 2006, 2006, 784-792.	2.0	49
110	Dynamic Covalent Metathesis in the Cî•€/Cî•N Exchange between Knoevenagel Compounds and Imines. Journal of the American Chemical Society, 2018, 140, 5560-5568.	13.7	48
111	Paromomycin and neomycin B derived cationic lipids: Synthesis and transfection studies. Journal of Controlled Release, 2012, 158, 461-469.	9.9	47
112	Self-Assembly of Non-Biological Polymeric Strands Undergoing Enforced Helical Self-Organization. Helvetica Chimica Acta, 2003, 86, 3417-3426.	1.6	45
113	Aminoglycoside-Derived Cationic Lipids for Gene Transfection: Synthesis of KanamycinÂA Derivatives. European Journal of Organic Chemistry, 2003, 2003, 2764-2774.	2.4	45
114	Modulation of the Supramolecular Structure of G-Quartet Assemblies by Dynamic Covalent Decoration. Journal of the American Chemical Society, 2007, 129, 10058-10059.	13.7	45
115	DNA-Based Multiconstituent Dynamic Networks: Hierarchical Adaptive Control over the Composition and Cooperative Catalytic Functions of the Systems. Journal of the American Chemical Society, 2018, 140, 12077-12089.	13.7	44
116	Higher Order Constitutional Dynamic Networks: [2Ã—3] and [3Ã—3] Networks Displaying Multiple, Synergistic and Competitive Hierarchical Adaptation. Journal of the American Chemical Society, 2017, 139, 2474-2483.	13.7	43
117	Kinetic Selectivity and Thermodynamic Features of Competitive Imine Formation in Dynamic Covalent Chemistry. Chemistry - A European Journal, 2017, 23, 11108-11118.	3.3	43
118	Structural and metallo selectivity in the assembly of [2 Ã— 2] grid-type metallosupramolecular species: Mechanisms and kinetic control. Dalton Transactions, 2011, 40, 12320.	3.3	42
119	Orthogonal Operation of Constitutional Dynamic Networks Consisting of DNA-Tweezer Machines. ACS Nano, 2017, 11, 12027-12036.	14.6	42
120	Structural features directing the specificity and functionality of metallo-supramolecular grid-type architectures. Dalton Transactions, 2009, , 5787.	3.3	39
121	Glycodynamers: Dynamic analogs of arabinofuranoside oligosaccharides. Biopolymers, 2008, 89, 486-496.	2.4	38
122	Synthesis and Properties of Silver(I) and Copper(I) Helicates with Imine-Bridged Oligobipyridine Ligands. European Journal of Inorganic Chemistry, 1998, 1998, 977-982.	2.0	35
123	Dynamic Dielsâ€“Alder Reactions of 9,10â€Đimethylanthracene: Reversible Adduct Formation, Dynamic Exchange Processes and Thermal Fluorescence Modulation. European Journal of Organic Chemistry, 2009, 2009, 1691-1697.	2.4	35
124	Gridâ€“double-helicate interconversion. Chemical Communications, 2013, 49, 5733.	4.1	35
125	Constitutional Dynamic Selection at Low Reynolds Number in a Triple Dynamic System: Covalent Dynamic Adaptation Driven by Double Supramolecular Self-Assembly. Journal of the American Chemical Society, 2021, 143, 14136-14146.	13.7	34
126	Organocatalysis of Cï£¾N/Cï£¾N and Cï£¾C/Cï£¾N Exchange in Dynamic Covalent Chemistry. Helvetica Chimica Acta, 2012, 95, 2635-2651.	1.6	33

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127	Multivalency by Selfâ€Assembly: Binding of Concanavalinâ€...A to Metallosupramolecular Architectures Decorated with Multiple Carbohydrate Groups. Chemistry - A European Journal, 2014, 20, 6960-6977.	3.3	33
128	From Coordination Chemistry to Adaptive Chemistry. Advances in Inorganic Chemistry, 2018, 71, 3-78.	1.0	33
129	Multivalent Metallosupramolecular Assemblies as Effective DNA Binding Agents. Chemistry - A European Journal, 2018, 24, 10802-10811.	3.3	33
130	Programmed single step self-assembly of a [2 Ã— 2] grid architecture built on metallic centers of different coordination geometries. Chemical Communications, 2004, , 1168-1169.	4.1	32
131	Highly Sensitive Magnetic Effects Induced by Hydrogenâ€Bonding Interactions in a Highâ€Spin Metallosupramolecular Fe₄^{II}â€‰[2Ã—2] Gridâ€Type Complex. Chemistry - A European Journal, 2009, 15, 2500-2503.	3.3	32
132	Metallodynamers: Neutral Doubleâ€Dynamic Metallosupramolecular Polymers. Chemistry - an Asian Journal, 2008, 3, 1324-1335.	3.3	31
133	Evolution of a Constitutional Dynamic Library Driven by Selfâ€Organisation of a Helically Folded Molecular Strand. Chemistry - A European Journal, 2010, 16, 4903-4910.	3.3	31
134	Multiple adaptation of constitutional dynamic networks and information storage in constitutional distributions of acylhydrazones. Chemical Science, 2019, 10, 90-98.	7.4	31
135	Self-ordering of metallogrid complexes via directed hydrogen-bonding. Dalton Transactions, 2012, 41, 13848.	3.3	30
136	Two Morphologies of Stable, Highly Ordered Assemblies of a Long-Chain-Substituted [2 Ã— 2]-Grid-Type FeII Complex Adsorbed on HOPG. European Journal of Inorganic Chemistry, 2005, 2005, 2641-2647.	2.0	29
137	Time-Dependent Switching of Constitutional Dynamic Libraries and Networks from Kinetic to Thermodynamic Distributions. Journal of the American Chemical Society, 2019, 141, 18560-18569.	13.7	29
138	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.	13.7	29
139	Reversible Adaptation to Photoinduced Shape Switching by Oligomerâ€“Macrocycle Interconversion with Component Selection in a Threeâ€State Constitutional Dynamic System. Chemistry - A European Journal, 2014, 20, 16188-16193.	3.3	27
140	Dynamers: From Supramolecular Polymers to Adaptive Dynamic Polymers. Advances in Polymer Science, 2013, , 155-172.	0.8	26
141	Pattern Generation and Information Transfer through a Liquid/Liquid Interface in 3D Constitutional Dynamic Networks of Imine Ligands in Response to Metal Cation Effectors. Journal of the American Chemical Society, 2019, 141, 12724-12737.	13.7	26
142	Supramolecular Polymerization of Triarylamine-Based Macrocycles into Electroactive Nanotubes. Journal of the American Chemical Society, 2021, 143, 6498-6504.	13.7	26
143	Simultaneous Generation of a [2 Ã— 2] Grid-Like Complex and a Linear Double Helicate: a Three-Level Self-Sorting Process. Journal of the American Chemical Society, 2020, 142, 5819-5824.	13.7	25
144	Dynamic Helicates Selfâ€Assembly from Homoâ€•and Heterotopic Dynamic Covalent Ligand Strands. Chemistry - A European Journal, 2020, 26, 15664-15671.	3.3	24

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145	Cooperative, bottomâ€up generation of rigidâ€rod nanostructures through dynamic polymer chemistry. Polymer International, 2010, 59, 1477-1491.	3.1	23
146	Double Dynamic Supramolecular Polymers of Covalent Oligo-Dynamers. Macromolecules, 2013, 46, 5664-5671.	4.8	23
147	Organocatalyzed and Uncatalyzed Cï£¾C/Cï£¾C and Cï£¾C/Cï£¾N Exchange Processes between Knoevenagel and Imine Compounds in Dynamic Covalent Chemistry. Helvetica Chimica Acta, 2014, 97, 1219-1236.	1.6	23
148	Coevolution and ratiometric behaviour in metal cation-driven dynamic covalent systems. Chemical Science, 2017, 8, 2125-2130.	7.4	23
149	Photochemical and Electrochemical Triggered Bis(hydrazone) Switch. Chemistry - A European Journal, 2017, 23, 14872-14882.	3.3	22
150	Caro-Cryptands: Tris-carotenoid macrobicyclic ligands-synthesis, crystal structure, and dinuclear copper(I) complexes. Helvetica Chimica Acta, 1992, 75, 1069-1077.	1.6	21
151	Self-sorting of two imine-based metal complexes: balancing kinetics and thermodynamics in constitutional dynamic networks. Chemical Science, 2020, 11, 1114-1121.	7.4	21
152	Adaptive Chemical Networks under Nonâ€Equilibrium Conditions: The Evaporating Droplet. Angewandte Chemie - International Edition, 2016, 55, 13450-13454.	13.8	20
153	Supramolecular reactions of metallo-architectures: Ag2-double-helicate/Zn4-grid, Pb4-grid/Zn4-grid interconversions, and Ag2-double-helicate fusion. Chemical Science, 2016, 7, 3689-3693.	7.4	19
154	Electronic absorption and emission properties of bishydrazone [2â€¯Ã—â€¯2] metallosupramolecular grid-type architectures. Inorganica Chimica Acta, 2019, 494, 223-231.	2.4	18
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