Jean-Marie Lehn

List of Publications by Year in Descending Order

186 papers	24,712 citations	74 h-index	156 g-index
196 ext. papers	26,246 ext. citations	10.1 avg, IF	7.77 L-index

#	Paper	IF	Citations
186	Imines as Threefold Functional Devices: Motional, Photochemical, Constitutional **2022**, 325-349		0
185	Metal Cation-Driven Dynamic Covalent Formation of Imine and Hydrazone Ligands Displaying Synergistic Co-catalysis and Auxiliary Amine Effects. *Chemistry - A European Journal*, **2021**, 27, 7516-7524	4.8	2
184	Supramolecular Polymerization of Triarylamine-Based Macrocycles into Electroactive Nanotubes. *Journal of the American Chemical Society*, **2021**, 143, 6498-6504	16.4	7
183	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	16.4	6
182	Simultaneous Generation of a [2 □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	16.4	10
181	Dynamic Helicates Self-Assembly from Homo- and Heterotopic Dynamic Covalent Ligand Strands. *Chemistry - A European Journal*, **2020**, 26, 15664-15671	4.8	14
180	Phase transfer of metal cations by induced dynamic carrier agents: biphasic extraction based on dynamic covalent chemistry. *Chemical Science*, **2020**, 11, 11468-11477	9.4	1
179	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	16.4	9
178	Triple Self-Sorting in Constitutional Dynamic Networks: Parallel Generation of Imine-Based CuI, FeII, and ZnII Complexes. *Angewandte Chemie*, **2020**, 132, 12584-12592	3.6	2
177	Triple Self-Sorting in Constitutional Dynamic Networks: Parallel Generation of Imine-Based Cu , Fe , and Zn Complexes. *Angewandte Chemie - International Edition*, **2020**, 59, 12484-12492	16.4	6
176	Dynamic polyimine macrobicyclic cryptands - self-sorting with component selection. *Chemical Science*, **2019**, 10, 1836-1843	9.4	41
175	Electronic absorption and emission properties of bishydrazone [2 □2] metallosupramolecular grid-type architectures. *Inorganica Chimica Acta*, **2019**, 494, 223-231	2.7	11
174	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	16.4	19
173	Time-Dependent Switching of Constitutional Dynamic Libraries and Networks from Kinetic to Thermodynamic Distributions. *Journal of the American Chemical Society*, **2019**, 141, 18560-18569	16.4	17
172	Self-sorting of two imine-based metal complexes: balancing kinetics and thermodynamics in constitutional dynamic networks. *Chemical Science*, **2019**, 11, 1114-1121	9.4	13
171	Multiple adaptation of constitutional dynamic networks and information storage in constitutional distributions of acylhydrazones. *Chemical Science*, **2019**, 10, 90-98	9.4	22
170	Dynamic Covalent Metathesis in the C?C/C?N Exchange between Knoevenagel Compounds and Imines. *Journal of the American Chemical Society*, **2018**, 140, 5560-5568	16.4	28

169	Protonation of a Spherical Macrotricyclic Tetramine: Water Inclusion, Allosteric Effect, and Cooperativity. *ChemPlusChem*, **2018**, 83, 605-611	2.8	1
168	From Coordination Chemistry to Adaptive Chemistry. *Advances in Inorganic Chemistry*, **2018**, 71, 3-78	2.1	27
167	Switching Multivalent DNA Complexation using Metal-Controlled Cationic Supramolecular Self-Assemblies. *Chemistry - A European Journal*, **2018**, 24, 1518-1521	4.8	11
166	Multivalent Metallosupramolecular Assemblies as Effective DNA Binding Agents. *Chemistry - A European Journal*, **2018**, 24, 10802-10811	4.8	27
165	Spin State Chemistry: Modulation of Ligand p K by Spin State Switching in a [2□] Iron(II) Grid-Type Complex. *Journal of the American Chemical Society*, **2018**, 140, 8218-8227	16.4	39
164	Proton-Gradient-Driven Oriented Motion of Nanodiamonds Grafted to Graphene by Dynamic Covalent Bonds. *ACS Nano*, **2018**, 12, 7141-7147	16.7	12
163	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	16.4	35
162	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	16.4	30
161	Higher Order Constitutional Dynamic Networks: [2□] and [3□] Networks Displaying Multiple, Synergistic and Competitive Hierarchical Adaptation. *Journal of the American Chemical Society*, **2017**, 139, 2474-2483	16.4	33
160	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	16.4	57
159	Molecular Biodynamers: Dynamic Covalent Analogues of Biopolymers. *Accounts of Chemical Research*, **2017**, 50, 376-386	24.3	48
158	Kinetic Selectivity and Thermodynamic Features of Competitive Imine Formation in Dynamic Covalent Chemistry. *Chemistry - A European Journal*, **2017**, 23, 11108-11118	4.8	33
157	Controlling the Catalytic Functions of DNAzymes within Constitutional Dynamic Networks of DNA Nanostructures. *Journal of the American Chemical Society*, **2017**, 139, 9662-9671	16.4	47
156	Coevolution and ratiometric behaviour in metal cation-driven dynamic covalent systems. *Chemical Science*, **2017**, 8, 2125-2130	9.4	17
155	Gelation-driven selection in dynamic covalent C 000000000000000000000000000000000 000000000000000000000000000000000 000000000000000000000000000000000 000000000000000000000000000000000 000000000000000000000000000000000 000000000000000000000000000000000 000000000000000000000000000000000 000000000000000000000000000000000 000000000000000000000000000000000 000000000000000000000000000000000 000000000000000000000000000000000 000000000. *Chemical Science*, **2017**, 8, 6822-6828	9.4	12
154	Photochemical and Electrochemical Triggered Bis(hydrazone) Switch. *Chemistry - A European Journal*, **2017**, 23, 14872-14882	4.8	19
153	Orthogonal Operation of Constitutional Dynamic Networks Consisting of DNA-Tweezer Machines. *ACS Nano*, **2017**, 11, 12027-12036	16.7	35
152	Training a Constitutional Dynamic Network for Effector Recognition: Storage, Recall, and Erasing of Information. *Journal of the American Chemical Society*, **2016**, 138, 11783-91	16.4	58

151	Proteoid Dynamers with Tunable Properties. *Advanced Functional Materials*, **2016**, 26, 6297-6305	15.6	11
150	From precision polymers to complex materials and systems. *Nature Reviews Materials*, **2016**, 1,	73.3	555
149	Controlled Folding, Motional, and Constitutional Dynamic Processes of Polyheterocyclic Molecular Strands. *Angewandte Chemie - International Edition*, **2016**, 55, 4130-54	16.4	61
148	Self-assembly of supramolecular triarylamine nanowires in mesoporous silica and biocompatible electrodes thereof. *Nanoscale*, **2016**, 8, 5605-11	7.7	7
147	Supramolecular reactions of metallo-architectures: Ag-double-helicate/Zn-grid, Pb-grid/Zn-grid interconversions, and Ag-double-helicate fusion. *Chemical Science*, **2016**, 7, 3689-3693	9.4	16
146	Nonlinear Kinetic Behavior in Constitutional Dynamic Reaction Networks. *Journal of the American Chemical Society*, **2016**, 138, 16809-16814	16.4	15
145	Adaptive Chemical Networks under Non-Equilibrium Conditions: The Evaporating Droplet. *Angewandte Chemie*, **2016**, 128, 13648-13652	3.6	3
144	Adaptive Chemical Networks under Non-Equilibrium Conditions: The Evaporating Droplet. *Angewandte Chemie - International Edition*, **2016**, 55, 13450-13454	16.4	18
143	Internal C□ Bond Rotation in Photoisomers of □Bisimines: a Light-Responsive Two-Step Molecular Speed Regulator Based on Double Imine Photoswitching. *European Journal of Organic Chemistry*, **2016**, 2016, 1243-1246	3.2	4
142	Perspectives in chemistry--aspects of adaptive chemistry and materials. *Angewandte Chemie - International Edition*, **2015**, 54, 3276-89	16.4	328
141	DYNAMERS: dynamic polymers as self-healing materials. *Chemical Society Reviews*, **2015**, 44, 3786-807	58.5	448
140	Perspektiven der Chemie □Aspekte adaptiver Chemie und adaptiver Materialien. *Angewandte Chemie*, **2015**, 127, 3326-3340	3.6	88
139	Synthetic Molecular Motors: Thermal N Inversion and Directional Photoinduced C=N Bond Rotation of Camphorquinone Imines. *Angewandte Chemie - International Edition*, **2015**, 54, 14345-8	16.4	64
138	Synthetic Molecular Motors: Thermal N Inversion and Directional Photoinduced C?N Bond Rotation of Camphorquinone Imines. *Angewandte Chemie*, **2015**, 127, 14553-14556	3.6	24
137	Multivalency by self-assembly: binding of concanavalin A to metallosupramolecular architectures decorated with multiple carbohydrate groups. *Chemistry - A European Journal*, **2014**, 20, 6960-77	4.8	27
136	Ferromagnetic coupling in copper(II) [2 □2] grid-like complexes. *Inorganic Chemistry*, **2014**, 53, 4275-7	5.1	10
135	Light-driven molecular motors: imines as four-step or two-step unidirectional rotors. *Journal of the American Chemical Society*, **2014**, 136, 13114-7	16.4	191
134	A light-induced reversible phase separation and its coupling to a dynamic library of imines. *Chemical Science*, **2014**, 5, 1475-1483	9.4	57

133	Organocatalyzed and Uncatalyzed C?C/C?C and C?C/C?N Exchange Processes between Knoevenagel and Imine Compounds in Dynamic Covalent Chemistry. *Helvetica Chimica Acta*, **2014**, 97, 1219-1236	2	19
132	Dynamic covalent chemistry of bisimines at the solid/liquid interface monitored by scanning tunnelling microscopy. *Nature Chemistry*, **2014**, 6, 1017-23	17.6	106
131	Adaptation in constitutional dynamic libraries and networks, switching between orthogonal metalloselection and photoselection processes. *Journal of the American Chemical Society*, **2014**, 136, 9509-18	16.4	92
130	Reversible adaptation to photoinduced shape switching by oligomer-macrocycle interconversion with component selection in a three-state constitutional dynamic system. *Chemistry - A European Journal*, **2014**, 20, 16188-93	4.8	20
129	Photo- and Thermoresponsive Supramolecular Assemblies: Reversible Photorelease of K+ Ions and Constitutional Dynamics. *Angewandte Chemie*, **2013**, 125, 4032-4035	3.6	13
128	Perspektiven der Chemie Stufen zur komplexen Materie. *Angewandte Chemie*, **2013**, 125, 2906-2921	3.6	104
127	Dynamers: From Supramolecular Polymers to Adaptive Dynamic Polymers. *Advances in Polymer Science*, **2013**, 155-172	1.3	19
126	Perspectives in chemistry--steps towards complex matter. *Angewandte Chemie - International Edition*, **2013**, 52, 2836-50	16.4	460
125	Photo- and thermoresponsive supramolecular assemblies: reversible photorelease of K+ ions and constitutional dynamics. *Angewandte Chemie - International Edition*, **2013**, 52, 3940-3	16.4	50
124	Grid-double-helicate interconversion. *Chemical Communications*, **2013**, 49, 5733-5	5.8	34
123	Double Dynamic Supramolecular Polymers of Covalent Oligo-Dynamers. *Macromolecules*, **2013**, 46, 5664-5671	5.8	23
122	Constitutional Dynamic Systems. *Israel Journal of Chemistry*, **2013**, 53, 9-10	3.4	5
121	Paromomycin and neomycin B derived cationic lipids: synthesis and transfection studies. *Journal of Controlled Release*, **2012**, 158, 461-9	11.7	29
120	Organocatalysis of C?N/C?N and C?C/C?N Exchange in Dynamic Covalent Chemistry. *Helvetica Chimica Acta*, **2012**, 95, 2635-2651	2	28
119	Self-ordering of metallogrid complexes via directed hydrogen-bonding. *Dalton Transactions*, **2012**, 41, 13848-55	4.3	28
118	Merging constitutional and motional covalent dynamics in reversible imine formation and exchange processes. *Journal of the American Chemical Society*, **2012**, 134, 9446-55	16.4	123
117	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, 12861-8	16.4	65
116	Biodynamers: self-organization-driven formation of doubly dynamic proteoids. *Journal of the American Chemical Society*, **2012**, 134, 4177-83	16.4	47

115	Chelation-controlled molecular morphology: aminal to imine rearrangements. *Dalton Transactions*, **2012**, 41, 4335-57	4.3	10
114	Constitutional dynamic chemistry: bridge from supramolecular chemistry to adaptive chemistry. *Topics in Current Chemistry*, **2012**, 322, 1-32		70
113	Thermoresponsive dynamers: thermally induced, reversible chain elongation of amphiphilic poly(acylhydrazones). *Journal of the American Chemical Society*, **2011**, 133, 10966-73	16.4	83
112	Configurational and constitutional information storage: multiple dynamics in systems based on pyridyl and acyl hydrazones. *Chemistry - A European Journal*, **2011**, 17, 248-58	4.8	167
111	Structural and metallo selectivity in the assembly of [2 □2] grid-type metallosupramolecular species: mechanisms and kinetic control. *Dalton Transactions*, **2011**, 40, 12320-32	4.3	39
110	Modulation of self-assembly and magnetism of Cu(II) grids in solution. *Chemical Communications*, **2011**, 47, 10951-3	5.8	16
109	Dynamers: Dynamic Molecular and Supramolecular Polymers. *Australian Journal of Chemistry*, **2010**, 63, 611	1.2	104
108	Glycodynamers: dynamic polymers bearing oligosaccharides residues--generation, structure, physicochemical, component exchange, and lectin binding properties. *Journal of the American Chemical Society*, **2010**, 132, 2573-84	16.4	104
107	Evolution of a constitutional dynamic library driven by self-organisation of a helically folded molecular strand. *Chemistry - A European Journal*, **2010**, 16, 4903-10	4.8	29
106	Cooperative, bottom-up generation of rigid-rod nanostructures through dynamic polymer chemistry. *Polymer International*, **2010**, 59, 1477-1491	3.3	19
105	Electric-field triggered controlled release of bioactive volatiles from imine-based liquid crystalline phases. *Chemistry - A European Journal*, **2009**, 15, 117-24	4.8	48
104	Highly sensitive magnetic effects induced by hydrogen-bonding interactions in a high-spin metallosupramolecular Fe(4) (II) [2x2] grid-type complex. *Chemistry - A European Journal*, **2009**, 15, 2500-3	4.8	30
103	Adaptation and optical signal generation in a constitutional dynamic network. *Chemistry - A European Journal*, **2009**, 15, 5640-5	4.8	51
102	Dynamic Diels□Alder Reactions of 9,10-Dimethylanthracene: Reversible Adduct Formation, Dynamic Exchange Processes and Thermal Fluorescence Modulation. *European Journal of Organic Chemistry*, **2009**, 2009, 1691-1697	3.2	31
101	Structural and functional evolution of a library of constitutional dynamic polymers driven by alkali metal ion recognition. *Angewandte Chemie - International Edition*, **2009**, 48, 7635-8	16.4	66
100	Reversible constitutional switching between macrocycles and polymers induced by shape change in a dynamic covalent system. *New Journal of Chemistry*, **2009**, 33, 271	3.6	56
99	Adaptation to shape switching by component selection in a constitutional dynamic system. *Journal of the American Chemical Society*, **2009**, 131, 5546-59	16.4	79
98	Structural features directing the specificity and functionality of metallo-supramolecular grid-type architectures. *Dalton Transactions*, **2009**, 5787-802	4.3	38

97	Glycodynamers: dynamic analogs of arabinofuranoside oligosaccharides. *Biopolymers*, **2008**, 89, 486-96	2.2	35
96	Glycodynamers: fluorescent dynamic analogues of polysaccharides. *Angewandte Chemie - International Edition*, **2008**, 47, 3556-9	16.4	93
95	Reversible switching between macrocyclic and polymeric states by morphological control in a constitutional dynamic system. *Angewandte Chemie - International Edition*, **2008**, 47, 2240-3	16.4	67
94	Reversible Switching between Macrocyclic and Polymeric States by Morphological Control in a Constitutional Dynamic System. *Angewandte Chemie*, **2008**, 120, 2272-2275	3.6	21
93	Structural selection in G-quartet-based hydrogels and controlled release of bioactive molecules. *Chemistry - an Asian Journal*, **2008**, 3, 134-9	4.5	73
92	Metallodynamers: neutral double-dynamic metallosupramolecular polymers. *Chemistry - an Asian Journal*, **2008**, 3, 1324-35	4.5	30
91	Modulation of the supramolecular structure of G-quartet assemblies by dynamic covalent decoration. *Journal of the American Chemical Society*, **2007**, 129, 10058-9	16.4	42
90	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	4.8	79
89	Metallodynamers: neutral dynamic metallosupramolecular polymers displaying transformation of mechanical and optical properties on constitutional exchange. *Angewandte Chemie - International Edition*, **2007**, 46, 5007-10	16.4	108
88	Metallodynamers: Neutral Dynamic Metallosupramolecular Polymers Displaying Transformation of Mechanical and Optical Properties on Constitutional Exchange. *Angewandte Chemie*, **2007**, 119, 5095-5098	3.6	38
87	Generation of [2□] Grid Metallosupramolecular Architectures from Preformed Ditopic Bis(acylhydrazone) Ligands and through Component Self-Assembly. *European Journal of Inorganic Chemistry*, **2007**, 2007, 2944-2965	2.3	48
86	From supramolecular chemistry towards constitutional dynamic chemistry and adaptive chemistry. *Chemical Society Reviews*, **2007**, 36, 151-60	58.5	1513
85	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, 16534-9	11.5	115
84	Tunable fluorene-based dynamers through constitutional dynamic chemistry. *Chemistry - A European Journal*, **2006**, 12, 1723-35	4.8	105
83	Protonic and temperature modulation of constituent expression by component selection in a dynamic combinatorial library of imines. *Chemistry - A European Journal*, **2006**, 12, 1715-22	4.8	115
82	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, 4503-22	4.8	101
81	Messages in molecules: ligand/cation coding and self-recognition in a constitutionally dynamic system of heterometallic double helicates. *Chemistry - A European Journal*, **2006**, 12, 5632-41	4.8	67
80	Conjecture: imines as unidirectional photodriven molecular motors-motional and constitutional dynamic devices. *Chemistry - A European Journal*, **2006**, 12, 5910-5	4.8	130

79	DyNAs: constitutional dynamic nucleic acid analogues. *Chemistry - A European Journal*, **2006**, 12, 8581-8	4.8	56
78	Electric-field modulation of component exchange in constitutional dynamic liquid crystals. *Angewandte Chemie - International Edition*, **2006**, 45, 4619-24	16.4	78
77	Self-Assembly, Structure and Solution Dynamics of Tetranuclear Zn2+ Hydrazone [2×2] Grid-Type Complexes. *European Journal of Inorganic Chemistry*, **2006**, 2006, 784-792	2.3	45
76	Driven evolution of a constitutional dynamic library of molecular helices toward the selective generation of [2 x 2] gridlike arrays under the pressure of metal ion coordination. *Journal of the American Chemical Society*, **2006**, 128, 16748-63	16.4	84
75	Dynamic sol-gel interconversion by reversible cation binding and release in G-quartet-based supramolecular polymers. *Chemical Communications*, **2005**, 5763-5	5.8	82
74	Double dynamers: molecular and supramolecular double dynamic polymers. *Chemical Communications*, **2005**, 1519-21	5.8	97
73	Scandium(III) catalysis of transimination reactions. Independent and constitutionally coupled reversible processes. *Journal of the American Chemical Society*, **2005**, 127, 5528-39	16.4	120
72	Dynamers: dynamic molecular and supramolecular polymers. *Progress in Polymer Science*, **2005**, 30, 814-831	23.6	514
71	Synthesis of side-chain functionalised ligands for the generation of quartet receptor arrays via self-assembly of [2×2] grid complexes. *Tetrahedron Letters*, **2005**, 46, 6349-6353	2	14
70	Reversible Diels-Alder reactions for the generation of dynamic combinatorial libraries. *Organic Letters*, **2005**, 7, 15-8	6.2	123
69	Two Morphologies of Stable, Highly Ordered Assemblies of a Long-Chain-Substituted [2×2]-Grid-Type FeII Complex Adsorbed on HOPG. *European Journal of Inorganic Chemistry*, **2005**, 2005, 2641-2647	2.3	28
68	Kanamycin A-derived cationic lipids as vectors for gene transfection. *ChemBioChem*, **2005**, 6, 1023-33	3.8	52
67	Mixed-valence, mixed-spin-state, and heterometallic [2x2] grid-type arrays based on heteroditopic hydrazone ligands: synthesis and electrochemical features. *Chemistry - A European Journal*, **2005**, 11, 2549-65	4.8	56
66	Ion-triggered multistate molecular switching device based on regioselective coordination-controlled ion binding. *Chemistry - A European Journal*, **2005**, 11, 6818-28	4.8	65
65	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, 5938-43	11.5	303
64	Grid-type metal ion architectures: functional metallosupramolecular arrays. *Angewandte Chemie - International Edition*, **2004**, 43, 3644-62	16.4	1163
63	Generation of dynamic constitutional diversity and driven evolution in helical molecular strands under Lewis acid catalyzed component exchange. *Angewandte Chemie - International Edition*, **2004**, 43, 4902-6	16.4	83
62	Metallionen-Gitterarchitekturen: funktionelle supramolekulare Metallkomplexe. *Angewandte Chemie*, **2004**, 116, 3728-3747	3.6	172

61	Dynamic combinatorial carbohydrate libraries: probing the binding site of the concanavalin A lectin. *Chemistry - A European Journal*, **2004**, 10, 1711-5	4.8	117
60	Protonic modulation of redox properties in ionisable [2 x 2] grid-like metalloarrays. *Chemical Communications*, **2004**, 718-9	5.8	59
59	Programmed single step self-assembly of a [2 2] grid architecture built on metallic centers of different coordination geometries. *Chemical Communications*, **2004**, 1168-1169	5.8	31
58	Constitutional dynamic self-sensing in a zinc(II)/polyiminofluorenes system. *Journal of the American Chemical Society*, **2004**, 126, 11448-9	16.4	117
57	Hierarchical self-assembly of supramolecular spintronic modules into 1D- and 2D-architectures with emergence of magnetic properties. *Chemistry - A European Journal*, **2004**, 11, 94-100	4.8	94
56	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, 11970-4	11.5	130
55	Helicity-Encoded Molecular Strands: Efficient Access by the Hydrazone Route and Structural Features. *Helvetica Chimica Acta*, **2003**, 86, 1598-1624	2	97
54	Self-Assembly of Non-Biological Polymeric Strands Undergoing Enforced Helical Self-Organization. *Helvetica Chimica Acta*, **2003**, 86, 3417-3426	2	38
53	Aminoglycoside-Derived Cationic Lipids for Gene Transfection: Synthesis of Kanamycin A Derivatives. *European Journal of Organic Chemistry*, **2003**, 2003, 2764-2774	3.2	39
52	Supramolecular spintronic devices: spin transitions and magnetostructural correlations in [Fe4IIL4]8+ [2x2]-grid-type complexes. *Chemistry - A European Journal*, **2003**, 9, 4422-9	4.8	143
51	Synthesis of ionisable [2 x 2] grid-type metallo-arrays and reversible protonic modulation of the optical properties of the [Co4(II)L4]8+ species. *Chemical Communications*, **2003**, 1338-9	5.8	101
50	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, 10257-65	16.4	137
49	Mechanistic Features, Cooperativity, and Robustness in the Self-Assembly of Multicomponent Silver(I) Grid-Type Metalloarchitectures. *Angewandte Chemie*, **2002**, 114, 2884-2888	3.6	11
48	Supramolecular assemblies of a bis(terpyridine) ligand and of its [2x2] grid-type Zn(II) and Co(II) complexes on highly ordered pyrolytic graphite. *Chemistry - A European Journal*, **2002**, 8, 951-7	4.8	122
47	Supramolecular polymers generated from heterocomplementary monomers linked through multiple hydrogen-bonding arrays--formation, characterization, and properties. *Chemistry - A European Journal*, **2002**, 8, 1227-44	4.8	274
46	Mechanistic features, cooperativity, and robustness in the self-assembly of multicomponent silver(I) grid-type metalloarchitectures. *Angewandte Chemie - International Edition*, **2002**, 41, 2760-4	16.4	49
45	Aminoglycoside-derived cationic lipids as efficient vectors for gene transfection in vitro and in vivo. *Journal of Gene Medicine*, **2002**, 4, 517-26	3.5	48
44	Drug discovery by dynamic combinatorial libraries. *Nature Reviews Drug Discovery*, **2002**, 1, 26-36	64.1	405

43	Toward self-organization and complex matter. *Science*, **2002**, 295, 2400-3	33.3	1916
42	Toward complex matter: supramolecular chemistry and self-organization. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 4763-8	11.5	1109
41	Chemical biology of dynamic combinatorial libraries. *Biochimica Et Biophysica Acta - General Subjects* , **2002**, 1572, 178-186	4	83
40	Two-Level Self-Organisation of Arrays of [2□2] Grid-Type Tetranuclear Metal Complexes by Hydrogen Bonding. *European Journal of Inorganic Chemistry*, **2001**, 2001, 1515-1521	2.3	64
39	Self-Assembly of Tricuprous Double Helicates: Thermodynamics, Kinetics, and Mechanism. *Helvetica Chimica Acta*, **2001**, 84, 1694-1711	2	68
38	Self-assembly in self-organized inorganic systems: a view of programmed metallosupramolecular architectures. *Journal of the Brazilian Chemical Society*, **2001**, 12, 431	1.5	58
37	Durch Temperatur, Druck oder Licht induzierter Spin□ergang in einer supramolekularen Fe-[2□2]-Gitterverbindung. *Angewandte Chemie*, **2000**, 112, 2563-2566	3.6	103
36	Programmed chemical systems: multiple subprograms and multiple processing/expression of molecular information. *Chemistry - A European Journal*, **2000**, 6, 2097-102	4.8	194
35	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, 2103-11	4.8	83
34	Self-assembly and structure of interconverting multinuclear inorganic arrays: a. *Chemistry - A European Journal*, **2000**, 6, 4510-7	4.8	119
33	Spin Crossover in a Supramolecular Fe4II [2□2] Grid Triggered by Temperature, Pressure, and Light. *Angewandte Chemie - International Edition*, **2000**, 39, 2504-2507	16.4	294
32	Multilevel Molecular Electronic Species: Electrochemical Reduction of a [2□2] Co Grid-Type Complex by 11 Electrons in 10 Reversible Steps. *Angewandte Chemie - International Edition*, **2000**, 39, 4139-4142	16.4	75
31	In situ generation and screening of a dynamic combinatorial carbohydrate library against concanavalin A. *ChemBioChem*, **2000**, 1, 41-8	3.8	183
30	STM studies on monolayers of [Co(L)4]A8 metallogrids on graphite. *Applied Surface Science*, **1999**, 144-145, 456-460	6.7	11
29	Self-Assembly, Structure, and Physical Properties of Tetranuclear ZnII and CoII Complexes of [2 □2] Grid-Type. *European Journal of Inorganic Chemistry*, **1999**, 1999, 1421-1428	2.3	73
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