Davide M Proserpio

List of Publications by Year in Descending Order

222 papers	20,089 citations	71 h-index	138 g-index
244 ext. papers	21,465 ext. citations	7 avg, IF	6.98 L-index

#	Paper	IF	Citations
222	High-Throughput Electron Diffraction Reveals a Hidden Novel Metal-Organic Framework for Electrocatalysis. *Angewandte Chemie - International Edition*, **2021**, 60, 11391-11397	16.4	9
221	High-Throughput Electron Diffraction Reveals a Hidden Novel Metal□Organic Framework for Electrocatalysis. *Angewandte Chemie*, **2021**, 133, 11492-11498	3.6	0
220	The Different Story of Bonds. *Molecules*, **2021**, 26,	4.8	1
219	Designing All Graphdiyne Materials as Graphene Derivatives: Topologically Driven Modulation of Electronic Properties. *Journal of Physical Chemistry C*, **2021**, 125, 18456-18466	3.8	6
218	Metallization-Prompted Robust Porphyrin-Based Hydrogen-Bonded Organic Frameworks for Photocatalytic CO2 Reduction. *Angewandte Chemie - International Edition*, **2021**,	16.4	9
217	Hierarchically Structured Allotropes of Phosphorus from Data-Driven Exploration. *Angewandte Chemie - International Edition*, **2020**, 59, 15880-15885	16.4	15
216	Hierarchically Structured Allotropes of Phosphorus from Data-Driven Exploration. *Angewandte Chemie*, **2020**, 132, 16014-16019	3.6	1
215	Record Complexity in the Polycatenation of Three Porous Hydrogen-Bonded Organic Frameworks with Stepwise Adsorption Behaviors. *Journal of the American Chemical Society*, **2020**, 142, 7218-7224	16.4	47
214	New Quasicrystal Approximant in the Sc□d System: From Topological Data Mining to the Bench. *Chemistry of Materials*, **2020**, 32, 1064-1079	9.6	5
213	A Porous Covalent Organic Framework with Voided Square Grid Topology for Atmospheric Water Harvesting. *Journal of the American Chemical Society*, **2020**, 142, 2218-2221	16.4	78
212	A New Group of Edge-transitive 3-Periodic Nets and Their Derived Nets for Reticular Chemistry. *Crystal Growth and Design*, **2020**, 20, 4062-4068	3.5	3
211	Isotopy classes for 3-periodic net embeddings. *Acta Crystallographica Section A: Foundations and Advances*, **2020**, 76, 275-301	1.7	3
210	Anion-directed assembly of three cationic silver(I) coordination polymers with bis(imidazolyl)-based linker: Structural characterization and anion exchange study. *Polyhedron*, **2020**, 175, 114236	2.7	4
209	Breathing Metal□Organic Framework Based on Flexible Inorganic Building Units. *Crystal Growth and Design*, **2020**, 20, 320-329	3.5	17
208	Combined DFT and geometrical□topological analysis of Li-ion conductivity in complex hydrides. *Inorganic Chemistry Frontiers*, **2020**, 7, 3115-3125	6.8	7
207	Size-Selective Urea-Containing Metal-Organic Frameworks as Receptors for Anions. *Inorganic Chemistry*, **2020**, 59, 16421-16429	5.1	35
206	: a generic computer program for Monte Carlo modelling of crystal growth. *Chemical Science*, **2020**, 12, 1126-1146	9.4	4

205	Predicting superhard materials via a machine learning informed evolutionary structure search. *Npj Computational Materials*, **2019**, 5,	10.9	43
204	Topochemical Synthesis of Single-Crystalline Hydrogen-Bonded Cross-Linked Organic Frameworks and Their Guest-Induced Elastic Expansion. *Journal of the American Chemical Society*, **2019**, 141, 10915-10923	16.4	34
203	Diverse π-stacking motifs modulate electrical conductivity in tetrathiafulvalene-based metal-organic frameworks. *Chemical Science*, **2019**, 10, 8558-8565	9.4	80
202	Diversifying molecular and topological space via a supramolecular solid-state synthesis: a purely organic mok net sustained by hydrogen bonds. *IUCrJ*, **2019**, 6, 1032-1039	4.7	4
201	Ultrasound and solvothermal synthesis of a new urea-based metal-organic framework as a precursor for fabrication of cadmium(II) oxide nanostructures. *Inorganica Chimica Acta*, **2019**, 484, 386-393	2.7	21
200	Topological study of diverse hydrogen-bonded patterns found in a system of a nickel(II) complex and the sulfate anion. *Acta Crystallographica Section C, Structural Chemistry*, **2018**, 74, 351-359	0.8	1
199	Data-driven learning and prediction of inorganic crystal structures. *Faraday Discussions*, **2018**, 211, 45-59	3.6	40
198	Distinguishing Metal-Organic Frameworks. *Crystal Growth and Design*, **2018**, 18, 1738-1747	3.5	53
197	Topology of Intermetallic Structures: From Statistics to Rational Design. *Accounts of Chemical Research*, **2018**, 51, 21-30	24.3	22
196	Topologically guided tuning of Zr-MOF pore structures for highly selective separation of C6 alkane isomers. *Nature Communications*, **2018**, 9, 1745	17.4	166
195	Lu5Pd4Ge8 and Lu3Pd4Ge4: Two More Germanides among Polar Intermetallics. *Crystals*, **2018**, 8, 205	2.3	8
194	Deconstruction of Crystalline Networks into Underlying Nets: Relevance for Terminology Guidelines and Crystallographic Databases. *Crystal Growth and Design*, **2018**, 18, 3411-3418	3.5	42
193	Generating carbon schwarzites via zeolite-templating. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E8116-E8124	11.5	54
192	Water-stable fluorinated metal–organic frameworks (F-MOFs) with hydrophobic properties as efficient and highly active heterogeneous catalysts in aqueous solution. *Green Chemistry*, **2018**, 20, 5336-5345	10	48
191	Toward Engineering Chiral Rodlike Metal-Organic Frameworks with Rare Topologies. *Inorganic Chemistry*, **2018**, 57, 12869-12875	5.1	10
190	Autoluminescent Metal-Organic Frameworks (MOFs): Self-Photoemission of a Highly Stable Thorium MOF. *Journal of the American Chemical Society*, **2018**, 140, 14144-14149	16.4	33
189	Three Cationic, Nonporous CuI-Coordination Polymers: Structural Investigation and Vapor Iodine Capture. *Crystal Growth and Design*, **2018**, 18, 7207-7218	3.5	15
188	Tailor-Made Microporous Metal-Organic Frameworks for the Full Separation of Propane from Propylene Through Selective Size Exclusion. *Advanced Materials*, **2018**, 30, e1805088	24	139

187	Urea Metal-Organic Frameworks for Nitro-Substituted Compounds Sensing. *Inorganic Chemistry*, **2017**, 56, 1446-1454	5.1	75
186	Extracting Crystal Chemistry from Amorphous Carbon Structures. *ChemPhysChem*, **2017**, 18, 873-877	3.2	63
185	Self-Catenated Coordination Polymers Involving Bis-pyridyl-bis-amide. *Crystal Growth and Design*, **2017**, 17, 1991-1998	3.5	16
184	Two Exceptional Patterns of Helical Secondary Building Units Found in Metal□Organic Framework Structures. *Crystal Growth and Design*, **2017**, 17, 2941-2944	3.5	5
183	Bonding analyses of unconventional carbon allotropes. *Carbon*, **2017**, 121, 154-162	10.4	18
182	Predicting crystal growth via a unified kinetic three-dimensional partition model. *Nature*, **2017**, 544, 456-459	38.1	53
181	Self-assembly of three cationic silver(I) coordination networks with flexible bis(pyrazolyl)-based linkers. *Polyhedron*, **2017**, 130, 58-66	2.7	5
180	How 2-periodic coordination networks are interweaved: entanglement isomerism and polymorphism. *CrystEngComm*, **2017**, 19, 1993-2006	3.3	36
179	Packing topology in crystals of proteins and small molecules: a comparison. *Scientific Reports*, **2017**, 7, 13209	4.9	22
178	Capture of volatile iodine by newly prepared and characterized non-porous [CuI]n-based coordination polymers. *CrystEngComm*, **2017**, 19, 6116-6126	3.3	20
177	A new glance on RMGe (R = rare earth metal, M = another metal) compounds. An experimental and theoretical study of RPdGe germanides. *Dalton Transactions*, **2017**, 46, 14021-14033	4.3	10
176	Ab initio study of new sp3 silicon and germanium allotropes predicted from the zeolite topologies. *European Physical Journal B*, **2017**, 90, 1	1.2	4
175	The R2Pd3Ge5 (R = La□Nd, Sm) germanides: synthesis, crystal structure and symmetry reduction. *Structural Chemistry*, **2016**, 27, 1693-1701	1.8	12
174	Homo Citans und Kohlenstoffallotrope: F□eine Ethik des Zitierens. *Angewandte Chemie*, **2016**, 128, 11122-11139	3.6	14
173	Homo Citans and Carbon Allotropes: For an Ethics of Citation. *Angewandte Chemie - International Edition*, **2016**, 55, 10962-76	16.4	172
172	Searching New Crystalline Substrates for OMBE: Topological and Energetic Aspects of Cleavable Organic Crystals. *Crystal Growth and Design*, **2016**, 16, 1572-1582	3.5	19
171	Spinel type twins of the new cubic Er6Zn23Ge compound. *Zeitschrift Fur Kristallographie - Crystalline Materials*, **2016**, 231, 71-77	1	1
170	Crystal structures of the new ternary stannides La3Mg4□Sn2+ and LaMg3□Sn2. *Journal of Solid State Chemistry*, **2016**, 233, 407-414	3.3	2

169	Metal□rganic frameworks assembled from flexible alicyclic carboxylate and bipyridyl ligands for sensing of nitroaromatic explosives. *CrystEngComm*, **2016**, 18, 4530-4537	3.3	26
168	Diorganotin(IV) complexes with 2-furancarboxylic acid hydrazone derivative of benzoylacetone: Synthesis, X-ray structure, antibacterial activity, DNA cleavage and molecular docking. *Journal of Organometallic Chemistry*, **2015**, 794, 223-230	2.3	16
167	Li-Filled, B-Substituted Carbon Clathrates. *Journal of the American Chemical Society*, **2015**, 137, 12639-52	16.4	26
166	Structural directing roles of isomeric phenylenediacetate ligands in the formation of coordination networks based on flexible N,N?-di(3-pyridyl)suberoamide. *CrystEngComm*, **2015**, 17, 90-97	3.3	24
165	From zeolite nets to sp(3) carbon allotropes: a topology-based multiscale theoretical study. *Physical Chemistry Chemical Physics*, **2015**, 17, 1332-8	3.6	40
164	A Collection of Topological Types of Nanoclusters and Its Application to Icosahedron-Based Intermetallics. *Inorganic Chemistry*, **2015**, 54, 6616-30	5.1	30
163	Vacancy ordering as a driving factor for structural changes in ternary germanides: the new R2Zn(1-x)Ge6 series of polar intermetallics (R = rare-earth metal). *Inorganic Chemistry*, **2015**, 54, 2411-24	5.1	11
162	Influence of the counter anion and steric hindrance of pyrazolyl and imidazolyl flexible ligands on the structure of zinc-based coordination polymers. *Inorganica Chimica Acta*, **2014**, 414, 217-225	2.7	19
161	Textural properties of a large collection of computationally constructed MOFs and zeolites. *Microporous and Mesoporous Materials*, **2014**, 186, 207-213	5.3	31
160	Stepwise formation of heteronuclear coordination networks based on quadruple-bonded dimolybdenum units containing formamidinate ligands. *CrystEngComm*, **2014**, 16, 7385-7388	3.3	10
159	Phase equilibria in the La□Mg□e system at 500□C and crystal structure of the new ternary compounds La11Mg2Ge7 and LaMg3□Ge2. *Journal of Solid State Chemistry*, **2014**, 218, 184-195	3.3	10
158	Entangled two-dimensional coordination networks: a general survey. *Chemical Reviews*, **2014**, 114, 7557-680	51	221
157	Applied Topological Analysis of Crystal Structures with the Program Package ToposPro. *Crystal Growth and Design*, **2014**, 14, 3576-3586	3.5	1865
156	Interpenetration of three-periodic networks in crystal structures: Description and classification methods, geometrical-topological conditions of implementation. *Journal of Structural Chemistry*, **2014**, 55, 1308-1325	0.9	6
155	The asc trinodal platform: two-step assembly of triangular, tetrahedral, and trigonal-prismatic molecular building blocks. *Angewandte Chemie - International Edition*, **2013**, 52, 2902-5	16.4	87
154	□Brass polyhedral core in intermetallics: the nanocluster model. *Inorganic Chemistry*, **2013**, 52, 13094-107	5.1	50
153	Influence of the counter ion on the structure of two new copper(I) coordination polymers: Synthesis, structural characterization and thermal analysis. *Journal of Molecular Structure*, **2013**, 1037, 236-241	3.4	24
152	Nets with collisions (unstable nets) and crystal chemistry. *Acta Crystallographica Section A: Foundations and Advances*, **2013**, 69, 535-42		16

151	Construction of N,N?-di(3-pyridyl)adipoamide-based Zn(II) and Cd(II) coordination networks by tuning the isomeric effect of polycarboxylate ligands. *CrystEngComm*, **2013**, 15, 10346	3.3	17
150	A Database of Topological Representations of Polynuclear Nickel Compounds. *European Journal of Inorganic Chemistry*, **2013**, 2013, 520-526	2.3	17
149	The Zeolite Conundrum: Why Are There so Many Hypothetical Zeolites and so Few Observed? A Possible Answer from the Zeolite-Type Frameworks Perceived As Packings of Tiles. *Chemistry of Materials*, **2013**, 25, 412-424	9.6	72
148	The asc Trinodal Platform: Two-Step Assembly of Triangular, Tetrahedral, and Trigonal-Prismatic Molecular Building Blocks. *Angewandte Chemie*, **2013**, 125, 2974-2977	3.6	17
147	A method for topological analysis of high nuclearity coordination clusters and its application to Mn coordination compounds. *Dalton Transactions*, **2012**, 41, 4634-40	4.3	77
146	Highly interpenetrated diamondoid nets of Zn(II) and Cd(II) coordination networks from mixed ligands. *CrystEngComm*, **2012**, 14, 537-543	3.3	86
145	Insight into the SBU condensation in mg coordination and supramolecular frameworks: a combined experimental and theoretical study. *Journal of the American Chemical Society*, **2012**, 134, 4762-71	16.4	24
144	New ternary germanides La4Mg5Ge6 and La4Mg7Ge6: crystal structure and chemical bonding. *Inorganic Chemistry*, **2012**, 51, 207-14	5.1	23
143	Totally unimodular nets. *Acta Crystallographica Section A: Foundations and Advances*, **2012**, 68, 286-94		1
142	A topological method for the classification of entanglements in crystal networksA preliminary account of this work was presented at the workshop ' Topological dynamics in physics and biology' held in Pisa, 12□13 July 2011.. *Acta Crystallographica Section A: Foundations and Advances*, **2012**, 68, 484-493		56
141	High-nuclearity cobalt coordination clusters: Synthetic, topological and magnetic aspects. *Coordination Chemistry Reviews*, **2012**, 256, 1246-1278	23.2	185
140	The novel metalloligand [Fe(bppd)3] (bppd = 1,3-bis(4-pyridyl)-1,3-propanedionate) for the crystal engineering of heterometallic coordination networks with different silver salts. Anionic control of the structures. *CrystEngComm*, **2011**, 13, 5891	3.3	39
139	Underlying nets in three-periodic coordination polymers: topology, taxonomy and prediction from a computer-aided analysis of the Cambridge Structural Database. *CrystEngComm*, **2011**, 13, 3947	3.3	555
138	Interpenetrated metal-organic frameworks of self-catenated four-connected mok nets. *Chemical Communications*, **2011**, 47, 5982-4	5.8	65
137	Synthesis and characterization of new oligomeric and polymeric complexes based on the [CuII(bpca)]+ unit [Hbpca = bis(2-pyridylcarbonyl)amine]. *Inorganica Chimica Acta*, **2011**, 376, 538-548	2.7	13
136	New types of multishell nanoclusters with a Frank-Kasper polyhedral core in intermetallics. *Inorganic Chemistry*, **2011**, 50, 5714-24	5.1	37
135	Super flexibility of a 2D Cu-based porous coordination framework on gas adsorption in comparison with a 3D framework of identical composition: framework dimensionality-dependent gas adsorptivities. *Journal of the American Chemical Society*, **2011**, 133, 10512-22	16.4	99
134	Topological crystal chemistry: Polycatenation weaves a 3D web. *Nature Chemistry*, **2010**, 2, 435-6	17.6	69

133	Synthesis and characterization of new tetra-substituted porphyrins with exo-donor carboxylic groups as building blocks for supramolecular architectures: Catalytic and structural studies of their metalated derivatives. *Journal of Porphyrins and Phthalocyanines*, **2010**, 14, 804-814	1.8	5
132	Nanocluster model of intermetallic compounds with giant unit cells: beta, beta'-Mg(2)Al(3) polymorphs. *Inorganic Chemistry*, **2010**, 49, 1811-8	5.1	65
131	New Metal□Organic Framework with Uninodal 4-Connected Topology Displaying Interpenetration, Self-Catenation, and Second-Order Nonlinear Optical Response. *Crystal Growth and Design*, **2010**, 10, 1489-1491	3.5	66
130	Natural Tilings for Zeolite-Type Frameworks. *Journal of Physical Chemistry C*, **2010**, 114, 10160-10170	3.8	66
129	Vertex-, face-, point-, Schl□fli-, and Delaney-symbols in nets, polyhedra and tilings: recommended terminology. *CrystEngComm*, **2010**, 12, 44-48	3.3	633
128	Periodic-Graph Approaches in Crystal Structure Prediction **2010**, 1-28		40
127	Ligand dependent topology changes in six zinc coordination polymers. *CrystEngComm*, **2010**, 12, 711-719	3.3	32
126	Heterometallic modular metal-organic 3D frameworks assembled via new tris-□diketonate metalloligands: nanoporous materials for anion exchange and scaffolding of selected anionic guests. *Chemistry - A European Journal*, **2010**, 16, 12328-41	4.8	95
125	Halogen-bonded and interpenetrated networks through the self-assembly of diiodoperfluoroarene and tetrapyridyl tectons. *Journal of Fluorine Chemistry*, **2010**, 131, 1218-1224	2.1	28
124	Topological relations between three-periodic nets. II. Binodal nets. *Acta Crystallographica Section A: Foundations and Advances*, **2009**, 65, 202-12		152
123	Crystallization Behavior of Coordination Polymers. 1. Kinetic and Thermodynamic Features of 1,3-Bis(4-pyridyl)propane/MCl2 Systems. *Crystal Growth and Design*, **2009**, 9, 5024-5034	3.5	22
122	Controlling the Structure of Arenedisulfonates toward Catalytically Active Materials. *Chemistry of Materials*, **2009**, 21, 655-661	9.6	134
121	Three lanthanum MOF polymorphs: insights into kinetically and thermodynamically controlled phases. *Inorganic Chemistry*, **2009**, 48, 4707-13	5.1	53
120	Ligand isomerism-controlled structural diversity of cadmium(II) perchlorate coordination polymers containing dipyridyladipoamide ligands. *CrystEngComm*, **2009**, 11, 168-176	3.3	81
119	Dendrimeric Tectons in Halogen Bonding-Based Crystal Engineering. *Crystal Growth and Design*, **2008**, 8, 654-659	3.5	53
118	Metal□rganic coordination frameworks assembled with the long flexible ligand 4,4?-bis(imidazol-1-ylmethyl)biphenyl. *CrystEngComm*, **2008**, 10, 1191	3.3	34
117	Interpenetrated three-dimensional hydrogen-bonded networks from metal□rganic molecular and one- or two-dimensional polymeric motifs. *CrystEngComm*, **2008**, 10, 1822	3.3	150
116	Generation of a 4-crossing [2]-catenane motif by the 2D-?2D parallel interpenetration of pairs of (4,4) sheets. *CrystEngComm*, **2008**, 10, 1123	3.3	50

115	A New Polycatenated 3D Array of Interlaced 2D Brickwall Layers and 1D Molecular Ladders in [Mn2(bix)3(NO3)4]□2CHCl3 [bix = 1,4-bis(imidazol-1-ylmethyl)benzene] That Undergoes Supramolecular Isomerization upon Guest Removal. *Crystal Growth and Design*, **2008**, 8, 162-165	3.5	93
114	A short history of an elusive yet ubiquitous structure in chemistry, materials, and mathematics. *Angewandte Chemie - International Edition*, **2008**, 47, 7996-8000	16.4	129
113	A Rare-Earth MOF Series: Fascinating Structure, Efficient Light Emitters, and Promising Catalysts. *Crystal Growth and Design*, **2008**, 8, 378-380	3.5	140
112	An Indium Layered MOF as Recyclable Lewis Acid Catalyst. *Chemistry of Materials*, **2008**, 20, 72-76	9.6	170
111	Interpenetrated Three-Dimensional Networks of Hydrogen-Bonded Organic Species: A Systematic Analysis of the Cambridge Structural Database. *Crystal Growth and Design*, **2008**, 8, 519-539	3.5	224
110	Double-step gas sorption of a two-dimensional metal-organic framework. *Journal of the American Chemical Society*, **2007**, 129, 12362-3	16.4	169
109	Highly interpenetrated supramolecular networks supported by N...I halogen bonding. *Chemistry - A European Journal*, **2007**, 13, 5765-72	4.8	107
108	Preparation and electrochemical behaviour of {[Ru(bipy)4Cl2Ag]NO3(CHCl3)□6H2O}n obtained from the self-assembly of trans-Ru(bipy)4Cl2 and AgNO3. *Electrochimica Acta*, **2007**, 52, 2603-2611	6.7	16
107	Three-periodic nets and tilings: natural tilings for nets. *Acta Crystallographica Section A: Foundations and Advances*, **2007**, 63, 418-25		153
106	New metal□rganic frameworks and supramolecular arrays assembled with the bent ditopic ligand 4,4-diaminodiphenylmethane. *CrystEngComm*, **2006**, 8, 696-706	3.3	46
105	Coordination symmetry-dependent structure restoration function of one-dimensional MOFs by molecular respiration. *Journal of Physical Chemistry B*, **2006**, 110, 25565-7	3.4	26
104	Four new 2D porous polymeric frames from the self-assembly of silver triflate and silver tosylate with free-base and Zn-metallated 5,10,15,20-tetra(4-pyridyl)porphyrin. *CrystEngComm*, **2005**, 7, 78	3.3	47
103	Parallel and Inclined (1D -j2D) Interlacing Modes in New Polyrotaxane Frameworks [M2(bix)3(SO4)2] [M = Zn(II), Cd(II); Bix = 1,4-Bis(imidazol-1-ylmethyl)benzene]. *Crystal Growth and Design*, **2005**, 5, 37-39	3.5	114
102	Interpenetrating metal-organic and inorganic 3D networks: a computer-aided systematic investigation. Part II [1]. Analysis of the Inorganic Crystal Structure Database (ICSD). *Journal of Solid State Chemistry*, **2005**, 178, 2452-2474	3.3	318
101	What do we know about three-periodic nets?. *Journal of Solid State Chemistry*, **2005**, 178, 2533-2554	3.3	220
100	Non-natural eight-connected solid-state materials: a new coordination chemistry. *Angewandte Chemie - International Edition*, **2004**, 43, 1851-4	16.4	174
99	Non-Natural Eight-Connected Solid-State Materials: A New Coordination Chemistry. *Angewandte Chemie*, **2004**, 116, 1887-1890	3.6	23
98	Main group element nets to a T. *Inorganic Chemistry*, **2004**, 43, 2526-40	5.1	13

97	The cation as a tool to get spin-canted three-dimensional ironIII networks. *Inorganic Chemistry*, **2004**, 43, 5177-9	5.1	30
96	A new type of entanglement involving one-dimensional ribbons of rings catenated to a three-dimensional network in the nanoporous structure of [Co(bix)2(H2O)2](SO4).7H2O [bix = 1,4-bis(imidazol-1-ylmethyl)benzene]. *Chemical Communications*, **2004**, 380-1	5.8	216
95	An Unusual Three-Dimensional Coordination Network Formed by Parallel Polycatenation of Two-Fold Interpenetrated (6,3) Layers Based on a Novel Three-Connecting Ligand. *Crystal Growth and Design*, **2004**, 4, 29-32	3.5	44
94	Supramolecular isomers in the same crystal: a new case involving two different types of layers polycatenated in the 3D architecture of [Cu(bix)2(SO4)]□7.5H2O [bix = 1,4-bis(imidazol-1-ylmethyl)benzene]. *CrystEngComm*, **2004**, 6, 96-101	3.3	103
93	Interpenetrating metal□organic and inorganic 3D networks: a computer-aided systematic investigation. Part I. Analysis of the Cambridge structural database. *CrystEngComm*, **2004**, 6, 377-395	3.3	1069
92	Open network architectures from the self-assembly of AgNO3 and 5,10,15,20-tetra(4-pyridyl)porphyrin (H2tpyp) building blocks: the exceptional self-penetrating topology of the 3D network of [Ag8(ZnIItpyp)7(H2O)2](NO3)8. *Angewandte Chemie - International Edition*, **2003**, 42, 317-22	16.4	138
91	Polycatenation, polythreading and polyknotting in coordination network chemistry. *Coordination Chemistry Reviews*, **2003**, 246, 247-289	23.2	1821
90	Design, Synthesis, and Structural Characterization of Molecular and Supramolecular Heterobimetallic Metallamacrocycles Based on the 1,1□Bis(4-pyridyl)ferrocene (Fe(□5-C5H4-1-C5H4N)2) Ligand. *Organometallics*, **2003**, 22, 4532-4538	3.8	41
89	New architectures from the self-assembly of MIISO4 salts with bis(4-pyridyl) ligands. The first case of polycatenation involving three distinct sets of 2D polymeric (4,4)-layers parallel to a common axis. *CrystEngComm*, **2003**, 5, 190	3.3	83
88	Silver(I) polymeric coordination frameworks assembled with the new multimodal ligand 2,2?-azobispyrazine. *New Journal of Chemistry*, **2003**, 27, 483-489	3.6	63
87	Borromean links and other non-conventional links in □polycatenated□ coordination polymers: re-examination of some puzzling networks. *CrystEngComm*, **2003**, 5, 269-279	3.3	346
86	Crystal Engineering of Mixed-Metal Ru□Ag Coordination Networks by Using the trans-[RuCl2(pyz)4] (pyz=pyrazine) Building Block. *Angewandte Chemie*, **2002**, 114, 1987	3.6	4
85	Three novel interpenetrating diamondoid networks from self-assembly of 1,12-dodecanedinitrile with silver(I) salts. *Chemistry - A European Journal*, **2002**, 8, 1520-7	4.8	194
84	Crystal Engineering of Mixed-Metal Ru□Ag Coordination Networks by Using the trans-[RuCl2(pyz)4] (pyz=pyrazine) Building Block. *Angewandte Chemie - International Edition*, **2002**, 41, 1907	16.4	52
83	Novel hetero-bimetallic metalla-macrocycles based on the bis-1-pyridyl ferrocene [Fe(eta 5-C5H(4)-1-C5H4N)2] ligand. Design, synthesis and structural characterization of the complexes [Fe(eta 5-C5H(4)-1-C5H4N)2](AgI)2(2+)/(CuII)2(4+)/(ZnII)2(4+). *Chemical Communications*, **2002**, 1080-1	5.8	53
82	New polymeric networks from the self-assembly of silver(I) salts and the flexible ligand 1,3-bis(4-pyridyl)propane (bpp). A systematic investigation of the effects of the counterions and a survey of the coordination polymers based on bpp. *CrystEngComm*, **2002**, 4, 121	3.3	242
81	Using long bis(4-pyridyl) ligands designed for the self-assembly of coordination frameworks and architectures. *Dalton Transactions RSC*, **2002**, 2714-2721		121
80	Monitoring the Crystal Growth and Interconversion of New Coordination Networks in the Self-assembly of MCl2 Salts (M = Co, Ni, Cu, Cd) and 1,3-Bis(4-pyridyl)propane. *Chemistry of Materials*, **2002**, 14, 12-16	9.6	60

79	Coordination networks from the self-assembly of silver salts and the linear chain dinitriles NC(CH2)nCN (n = 2 to 7): a systematic investigation of the role of counterions and of the increasing length of the spacers. *CrystEngComm*, **2002**, 4, 413-425	3.3	95
78	A three-dimensional nanoporous flexible network of square-planar copper(II) centres with an unusual topology. *Chemical Communications*, **2002**, 1354-1355	5.8	89
77	Interlinked molecular squares with [Cu(2,2?-bipy)]2+ corners generating a three-dimensional network of unprecedented topological type. *Chemical Communications*, **2001**, 1198-1199	5.8	33
76	Discrete molecular and extended polymeric copper(I) halide complexes of tetradentate thioether macrocycles. *Dalton Transactions RSC*, **2001**, 456-465		81
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