

Mir W Hosseini

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#	Paper	IF	Citations
311	Bipyridine: the most widely used ligand. A review of molecules comprising at least two 2,2'Fbipyridine units. <i>Chemical Reviews</i> , 2000 , 100, 3553-90	68.1	918
310	Molecular tectonics: from simple tectons to complex molecular networks. <i>Accounts of Chemical Research</i> , 2005 , 38, 313-23	24.3	691
309	Anion receptor molecules. Synthesis and anion-binding properties of polyammonium macrocycles. <i>Journal of the American Chemical Society</i> , 1981 , 103, 1282-1283	16.4	259
308	Multiple molecular recognition and catalysis. A multifunctional anion receptor bearing an anion binding site, an intercalating group, and a catalytic site for nucleotide binding and hydrolysis. <i>Journal of the American Chemical Society</i> , 1990 , 112, 3896-3904	16.4	231
307	Molecular tectonics: from molecular recognition of anions to molecular networks. <i>Coordination Chemistry Reviews</i> , 2003 , 240, 157-166	23.2	214
306	Thiacalixarenes: Synthesis and structural analysis of thiacalix[4]arene and of p-tert-butylthiacalix[4]arene. <i>Tetrahedron Letters</i> , 1998 , 39, 2311-2314	2	170
305	Reflexion on molecular tectonics. <i>CrystEngComm</i> , 2004 , 6, 318	3.3	166
304	Anion receptor molecules. Chain length dependent selective binding of organic and biological dicarboxylate anions by ditopic polyammonium macrocycles. <i>Journal of the American Chemical Society</i> , 1982 , 104, 3525-3527	16.4	164
303	Synthesis and Structural Analysis of a Helical Coordination Polymer Formed by the Self-Assembly of a 2,2'Fbipyridine-Based exo-Ditopic Macrocyclic Ligand and Silver Cations. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 920-922	16.4	148
302	Efficient Molecular Catalysis of ATP-Hydrolysis by Protonated Macrocyclic Polyamines. <i>Helvetica Chimica Acta</i> , 1983 , 66, 2454-2466	2	128
301	Self-assembly and generation of complexity. <i>Chemical Communications</i> , 2005 , 5825-9	5.8	126
300	Anion Coreceptor Molecules. Linear Molecular Recognition in the Selective Binding of Dicarboxylate Substrates by Ditopic Polyammonium Macrocycles. <i>Helvetica Chimica Acta</i> , 1986 , 69, 587-603	16.4	124
299	Ferric ion sequestering agents. 22. Synthesis and characterization of macrobicyclic iron(III) sequestering agents. <i>Journal of the American Chemical Society</i> , 1991 , 113, 2965-2977	16.4	110
298	Reversible single-crystal-to-single-crystal guest exchange in a 3-D coordination network based on a zinc porphyrin. <i>Chemical Communications</i> , 2005 , 3906-8	5.8	105
297	Supramolecular catalysis in the hydrolysis of ATP facilitated by macrocyclic polyamines: mechanistic studies. <i>Journal of the American Chemical Society</i> , 1987 , 109, 537-544	16.4	105
296	Molecular tectonics on surfaces: Bottom-up fabrication of 1D coordination networks that form 1D and 2D arrays on graphite. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 245-9	16.4	101
295	Binding of AMP, ADP, and ATP Nucleotides by Polyammonium Macrocycles. <i>Helvetica Chimica Acta</i> , 1987 , 70, 1312-1319	2	97

294	Synthesis and Protonation Features of 24-, 27- and 32-membered Macrocyclic Polyamines. <i>Helvetica Chimica Acta</i> , 1983 , 66, 1262-1278	2	93
293	Systematic structural coordination chemistry of p-tert-butyltetrathiacalix[4]arene: 1. Group 1 elements and congeners. <i>Inorganic Chemistry</i> , 2001 , 40, 672-86	5.1	92
292	Thiacalixarenes as cluster keepers: synthesis and structural analysis of a magnetically coupled tetracopper(II) square. <i>Chemical Communications</i> , 1999 , 373-374	5.8	85
291	Molecular tectonics: from enantiomerically pure sugars to enantiomerically pure triple stranded helical coordination network. <i>Chemical Communications</i> , 2003 , 1336-7	5.8	81
290	Dipyrrin based luminescent cyclometallated palladium and platinum complexes. <i>Dalton Transactions</i> , 2010 , 180-4	4.3	80
289	Supramolecular catalysis: polyammonium macrocycles as enzyme mimics for phosphoryl transfer in ATP hydrolysis. <i>Journal of the American Chemical Society</i> , 1989 , 111, 6330-6335	16.4	80
288	Porphyrin lanthanide complexes for NIR emission. <i>Coordination Chemistry Reviews</i> , 2012 , 256, 1468-1478	23.2	77
287	Molecular tectonics: control of reversible water release in porous charge-assisted H-bonded networks. <i>Journal of the American Chemical Society</i> , 2008 , 130, 17106-13	16.4	77
286	The Simultaneous Use of H-Bonding and Coulomb Interactions for the Self-Assembly of Fumaric Acid and Cyclic Bisamidine into One- and Two-Dimensional Molecular Networks. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 102-104		76
285	Molecular tectonics: infinite cationic double stranded helical coordination networks. <i>Chemical Communications</i> , 2003 , 472-3	5.8	73
284	Charge-assisted N ^H (+)⋯O(−) and O ^H ⋯O(−) hydrogen bonds control the supramolecular aggregation of ferrocenedicarboxylic acid and bis-amidines. <i>New Journal of Chemistry</i> , 2000 , 24, 547-553	3.6	73
283	Beyond classical coordination: silver-π interactions in metal dipyrrin complexes. <i>Chemical Communications</i> , 2007 , 2252-4	5.8	72
282	Exo-ligands based on two p-aminopyridine interconnection by tuneable alkyl chains: design, synthesis and structural analysis of silver and palladium metallamacrocycles. <i>Chemical Communications</i> , 1998 , 1625-1626	5.8	70
281	Synthesis of Macrobicyclic Polyamines by Direct Macrobicyclisation via Tripode-Tripode Coupling. <i>Helvetica Chimica Acta</i> , 1985 , 68, 289-299	2	68
280	Molecular Recognition of NADP(H) and ATP by Macrocyclic Polyamines Bearing Acridine Groups. <i>Helvetica Chimica Acta</i> , 1997 , 80, 786-803	2	67
279	Anion-receptor molecules: Macrocyclic and macrobicyclic effects on anion binding by polyammonium receptor molecules. <i>Helvetica Chimica Acta</i> , 1988 , 71, 749-756	2	67
278	Synthesis and structural analysis of an infinite linear coordination network formed by the self-assembly of tetracyanocalix[4]arene ligands and silver cations. <i>Chemical Communications</i> , 1998 , 2545-2546	5.8	65
277	Many faces of dipyrrins: from hydrogen-bonded networks to homo- and heteronuclear metallamacrocycles. <i>Inorganic Chemistry</i> , 2008 , 47, 766-8	5.1	65

- 276 Photophysical, electrochemical and electrochromic properties of copper-bis(4,4'-dimethyl-6,6'-diphenyl-2,2'-bipyridine) complexes. *Coordination Chemistry Reviews*, **2002**, 230, 253-261 23.2 65
- 275 Synthesis and solid state structural analysis of conformers of tetrakis((ethoxycarbonyl)methoxy)tetrathiacalix[4]arene. *Tetrahedron Letters*, **1999**, 40, 2113-2116 2 65
- 274 Assembly of heteroleptic copper complexes with silver salts: from discrete trinuclear complexes to infinite networks. *Inorganic Chemistry*, **2010**, 49, 331-8 5.1 63
- 273 Non-centrosymmetric packing of 1-D coordination networks based on chirality. *Chemical Communications*, **2002**, 1898-9 5.8 63
- 272 Second sphere supramolecular chirality: racemic hybrid H-bonded 2-D molecular networks. *Chemical Communications*, **2002**, 702-3 5.8 63
- 271 Design, synthesis and structural investigation of a 2-D coordination network based on the self-assembly of the tetracarboxylate derivative of tetrathiacalix[4]arene and silver cation. *Chemical Communications*, **2000**, 2219-2220 5.8 63
- 270 Metallatubulane: synthesis and structural analysis of an infinite tubular coordination network formed by the self-assembly of a tetracyanocyclophane and silver cations. *Chemical Communications*, **2000**, 239-240 5.8 63
- 269 Sulfone-calixarenes: a new class of molecular building block. *Chemical Communications*, **1998**, 1345-1346 5.8 62
- 268 Crystal engineering: molecular networks based on inclusion phenomena. *Chemical Communications*, **1998**, 727-734 5.8 62
- 267 A molecular approach to solid-state synthesis: prediction and synthesis of self-assembled infinite rods. *Journal of the Chemical Society Chemical Communications*, **1994**, 2135 62
- 266 Ferric ion sequestering agents. 17. Macrobicyclic iron(III) sequestering agents. *Journal of the American Chemical Society*, **1987**, 109, 7196-7198 16.4 61
- 265 Tetrasulfinylcalix[4]arenes: Synthesis and solid state structural analysis. *Tetrahedron Letters*, **1999**, 40, 1129-1132 2 58
- 264 Heterometallic coordination polymers incorporating dipyrin based heteroleptic copper and cobalt complexes: to Ag-Br not?. *Dalton Transactions*, **2012**, 41, 7227-34 4.3 57
- 263 Molecular tectonics: on the role of counter-ions in the dimensionality of silver coordination networks. *CrystEngComm*, **2005**, 7, 624 3.3 57
- 262 Synthesis of mono- and difunctionalized ditopic [24]N6O2 macrocyclic receptor molecules. *Journal of Organic Chemistry*, **1987**, 52, 1662-1666 4.2 56
- 261 Koilands from thiophiles: mercury(II) clusters from thiacalixarenes. *Chemical Communications*, **2002**, 1042-3 5.8 55
- 260 Synthesis and structural analysis of mercaptothiacalix[4]arene. *Chemical Communications*, **1999**, 2169-2170 5.8 54
- 259 Supramolecular catalysis of phosphoryl transfer: cocatalysis of pyrophosphate synthesis from acetyl phosphate mediated by macrocyclic polyamines. *Journal of the American Chemical Society*, **1987**, 109, 7047-7058 16.4 54

258	Control of the photochemical reactivity of coordination compounds by formation of supramolecular structures: the case of the hexacyanocobaltate(III) anion associated with polyammonium macrocyclic receptors. <i>Journal of the American Chemical Society</i> , 1985 , 107, 6888-6892	16.4	54
257	Excited state properties and energy transfer within dipyrin-based binuclear iridium/platinum dyads: the effect of ortho-methylation on the spacer. <i>Chemistry - A European Journal</i> , 2012 , 18, 4041-50	4.8	53
256	Heterometallic architectures based on the combination of heteroleptic copper and cobalt complexes with silver salts. <i>Inorganic Chemistry</i> , 2010 , 49, 11231-9	5.1	53
255	Alkoxo-bridged copper(II) complexes as nodes in designing solid-state architectures. The interplay of coordinative and d10-d10 metal-metal interactions in sustaining supramolecular solid-state architectures. <i>Dalton Transactions</i> , 2005 , 1195-202	4.3	53
254	Exoditopic receptors I: synthesis and structural studies on p-tert-butyltetramercaptocalix[4]arene and its mercury complexes. <i>Journal of the Chemical Society Chemical Communications</i> , 1994 , 1579		53
253	Double stranded interwound infinite linear silver coordination network. <i>Chemical Communications</i> , 2001 , 1242-1243	5.8	52
252	Additives for the crystallization of proteins and nucleic acids. <i>Journal of Crystal Growth</i> , 1999 , 196, 365-376		52
251	Porphyrin based molecular turnstiles. <i>Chemical Communications</i> , 2010 , 46, 3508-10	5.8	51
250	Comparative study of the copper(II) cryptates of C-BISTREN and O-BISTREN. Protonation constants, formation constants, and secondary anion bridging by fluoride and hydroxide. <i>Inorganic Chemistry</i> , 1988 , 27, 3630-3636	5.1	50
249	Molecular tectonics and supramolecular chirality: rational design of hybrid 1-D and 2-D H-bonded molecular networks based on bis-amidinium dication and metal cyanide anions. <i>CrystEngComm</i> , 2002 , 4, 447-453	3.3	49
248	Self-Assembly of Pyrazolyl Based Ligands and Silver Cation into Metallamacrocycles and Tubular Coordination Networks. <i>European Journal of Inorganic Chemistry</i> , 1999 , 1999, 1981-1985	2.3	49
247	Molecular tectonics: generation of 2-D molecular networks by combination of coordination and hydrogen bonds. <i>New Journal of Chemistry</i> , 2006 , 30, 71-76	3.6	47
246	Synthetic polyamines stimulate in vitro transcription by T7 RNA polymerase. <i>Nucleic Acids Research</i> , 1994 , 22, 2784-90	20.1	47
245	Combination of primary amide and dipyrin for the elaboration of extended architectures built upon both coordination and hydrogen bonding. <i>CrystEngComm</i> , 2009 , 11, 1245	3.3	46
244	Design, synthesis, structural analysis and atropoisomerisation studies of polynucleating ligands based on porphyrins bearing catechol units. <i>New Journal of Chemistry</i> , 2002 , 26, 43-57	3.6	46
243	Carboxylic acid appended dipyrin for the formation of a hexanuclear iridium/copper paddlewheel complex. <i>Inorganic Chemistry</i> , 2010 , 49, 8659-61	5.1	45
242	Molecular tectonics: modulation of size and shape of cuboid 3-D coordination networks. <i>CrystEngComm</i> , 2009 , 11, 189-191	3.3	44
241	Molecular tectonics: design of luminescent H-bonded molecular networks. <i>Chemical Communications</i> , 2004 , 2270-1	5.8	44

240	Molecular braids: quintuple helical hydrogen bonded molecular network <i>Chemical Communications</i> , 1999 , 2313-2314	5.8	44
239	Crystal engineering of 2-D hydrogen bonded molecular networks based on the self-assembly of anionic and cationic modules. <i>Chemical Communications</i> , 2000 , 281-282	5.8	43
238	Molecular tectonics: on the formation of 1-D silver coordination networks by thiacalixarenes bearing nitrile groups. <i>Dalton Transactions</i> , 2007 , 5126-31	4.3	42
237	A molecular gate based on a porphyrin and a silver lock. <i>Chemical Communications</i> , 2007 , 2935-7	5.8	41
236	A Unique Rare-Earth Cluster within a Calixarene Sandwich: Parallels in the Chemistry of Cyclosiloxanes and Calixarenes. <i>Australian Journal of Chemistry</i> , 2000 , 53, 895	1.2	41
235	Molecular tectonics I: The first synthesis and X-ray analysis of a linear koilate obtained by self-assembly of linear koilands and hexadiyne. <i>Tetrahedron Letters</i> , 1996 , 37, 1401-1404	2	41
234	Design and synthesis of sn-porphyrin based molecular gates. <i>Inorganic Chemistry</i> , 2010 , 49, 1872-83	5.1	40
233	Molecular Tectonics at the Solid/Liquid Interface: Controlling the Nanoscale Geometry, Directionality, and Packing of 1D Coordination Networks on Graphite Surfaces. <i>Advanced Materials</i> , 2009 , 21, 1131-1136	24	40
232	Sequential generation of one-dimensional networks based on a differentiated bischelate-type ligand bearing both 4,5-diazafuorene and dithiolene units. <i>Inorganic Chemistry</i> , 2006 , 45, 5260-2	5.1	40
231	Molecular tectonics: geometry and energy based analysis of coordination networks. <i>New Journal of Chemistry</i> , 2004 , 28, 897	3.6	40
230	Design and structural analysis of interpenetrated 3-D co-ordination networks formed by self-assembly using tetrapyridinoocyclophane and silver cations. <i>New Journal of Chemistry</i> , 2001 , 25, 207-209	3.6	40
229	Synthesis and structural studies on p-tert-butyl-1,3-dihydroxy-2,4-disulfanylcalix[4]arene and its mercury complex. <i>Journal of the Chemical Society Chemical Communications</i> , 1995 , 609		40
228	Multicavitands II: Synthesis of a non centrosymmetric hollow molecular unit (koiland) based on fusion of two p-tert-butylcalix[4]arenes by both silicon and titanium atoms. <i>Tetrahedron Letters</i> , 1993 , 34, 7561-7564	2	40
227	Phase transition of a perovskite strongly coupled to the vacuum field. <i>Nanoscale</i> , 2014 , 6, 7243-8	7.7	39
226	Controlling the formation of discrete complexes or a 1-D directional coordination network by the binding ability of anions. <i>Chemical Communications</i> , 2001 , 1114-1115	5.8	39
225	Molecular tectonics based nanopatterning of interfaces with 2D metal-organic frameworks (MOFs). <i>Chemical Communications</i> , 2014 , 50, 12250-3	5.8	38
224	A silver bite: crystalline heterometallic architectures based on Ag- interactions with a bis-dipyrrin zinc helicate. <i>Chemistry - A European Journal</i> , 2014 , 20, 2449-53	4.8	38
223	From sequential to one-pot synthesis of dipyrin based grid-type mixed metal-organic frameworks. <i>Inorganic Chemistry</i> , 2013 , 52, 14439-48	5.1	38

222	From Tectons to Composite Crystals. <i>Crystal Growth and Design</i> , 2005 , 5, 2310-2312	3.5	37
221	Multicavitands I: Synthesis and X-ray crystal structure of a bis p-tert-butylcalix[4]arene fused by two silicon atoms. <i>Tetrahedron Letters</i> , 1993 , 34, 3285-3288	2	37
220	Multiple molecular recognition and catalysis. Nucleotide binding and ATP hydrolysis by a receptor molecule bearing an anion binding site, an intercalator group, and a catalytic site. <i>Journal of the Chemical Society Chemical Communications</i> , 1988 , 596		37
219	Stepwise construction of grid-type Cu(II)-Cd(II) heterometallic MOFs based on an imidazole-appended dipyrin ligand. <i>Chemical Communications</i> , 2012 , 48, 10313-5	5.8	36
218	Giant core-shell nanospherical clusters composed of 32 Co or 32 Ni atoms held by 6 p-tert-butylthiacalix[4]arene units. <i>Inorganic Chemistry</i> , 2012 , 51, 5481-6	5.1	36
217	Playing with isostructurality: from tectons to molecular alloys and composite crystals. <i>Chemical Communications</i> , 2009 , 1559-61	5.8	36
216	Redox properties and stability constants of anion complexes. An electrochemical study of the complexation of metal hexacyanide anions by polyammonium macrocyclic receptor molecules. <i>Journal of the Chemical Society Chemical Communications</i> , 1981 , 1067		36
215	Luminescent coordination polymers based on self-assembled cadmium dipyrin complexes. <i>Chemistry - A European Journal</i> , 2013 , 19, 3215-23	4.8	35
214	Combination of hydrogen and coordination bonding for the construction of one-dimensional networks based on a 7-azaindole appended dipyrin. <i>CrystEngComm</i> , 2010 , 12, 2238	3.3	34
213	Synthesis and solid state structural analysis of 1,3-alternate conformer of tetrathiacalix[4]arene tetra-ester, -acid and -ether derivatives. <i>Tetrahedron Letters</i> , 2000 , 41, 3601-3606	2	34
212	Porphyrin-based switchable molecular turnstiles. <i>Chemistry - A European Journal</i> , 2011 , 17, 6443-52	4.8	33
211	Molecular tectonics: generation of 1- and 2-D copper coordination networks by positional isomeric tectons based on a phenylenediamine backbone bearing two isonicotinoyl moieties. <i>New Journal of Chemistry</i> , 2006 , 30, 683	3.6	33
210	Design of 3-D coordination networks: topology and metrics. <i>Chemical Communications</i> , 2002 , 218-9	5.8	33
209	Molecular tectonics: control of packing of hybrid 1-D and 2-D H-bonded molecular networks formed between bisamidinium dication and cyanometallate anions. <i>New Journal of Chemistry</i> , 2006 , 30, 1403	3.6	32
208	Charge assisted chiral hybrid H-bonded molecular networks. <i>Chemical Communications</i> , 2003 , 1224-5	5.8	32
207	Sensitization of the NIR emission of Nd(III) by the alpha4 atropoisomer of a meso-tetraphenyl porphyrin bearing four 8-hydroxyquinolinylamide chelates. <i>Chemical Communications</i> , 2010 , 46, 619-21	5.8	31
206	Gradual increase in the dimensionality of cobalt and mercury coordination networks based on conformation of tetradentate tectons. <i>New Journal of Chemistry</i> , 2003 , 27, 793-797	3.6	31
205	Supramolecular catalysis of adenosine triphosphate synthesis in aqueous solution mediated by a macrocyclic polyamine and divalent metal cations. <i>Journal of the Chemical Society Chemical Communications</i> , 1991 , 451		31

204	Box-like gel capsules from heterostructures based on a core-shell MOF as a template of crystal crosslinking. <i>Chemical Communications</i> , 2018 , 54, 1437-1440	5.8	30
203	From tectons to luminescent supramolecular ionic liquid crystals. <i>Chemical Communications</i> , 2011 , 47, 734-6	5.8	30
202	Molecular tectonics: generation of 1-D interdigitated and 2-D interwoven helical silver coordination networks by oligoethylene glycol based tectons bearing two benzonitrile moieties. <i>New Journal of Chemistry</i> , 2007 , 31, 25-32	3.6	30
201	Investigations on crystalline interface within a molecular composite crystal by microscopic techniques. <i>Journal of Materials Chemistry</i> , 2007 , 17, 1559-1562		30
200	Multicavitands III: Synthesis and NMR studies of a tri-directional coiland composed of three p-tert-butylcalix[4]arene units fused by two silicon atoms. <i>Tetrahedron Letters</i> , 1994 , 35, 1711-1714	2	30
199	Nanopatterning of Surfaces with Monometallic and Heterobimetallic 1D Coordination Polymers: A Molecular Tectonics Approach at the Solid/Liquid Interface. <i>Journal of the American Chemical Society</i> , 2015 , 137, 8450-9	16.4	29
198	Welding Molecular Crystals. <i>Journal of the American Chemical Society</i> , 2015 , 137, 15390-3	16.4	29
197	Assembly, disassembly, and reassembly: conversion of homometallic coordination networks into mixed metal-organic frameworks. <i>Inorganic Chemistry</i> , 2015 , 54, 2032-9	5.1	29
196	Strapped-porphyrin-based molecular turnstiles. <i>Chemistry - A European Journal</i> , 2012 , 18, 10419-26	4.8	29
195	Molecular tectonics II: Synthesis of molecular sheets by self-assembly of complementary molecular units in the solid state. <i>Tetrahedron Letters</i> , 1996 , 37, 1405-1408	2	29
194	Cocatalysis: pyrophosphate synthesis from acetylphosphate catalysed by a macrocyclic polyamine. <i>Journal of the Chemical Society Chemical Communications</i> , 1985 , 1155		29
193	Open and closed states of a porphyrin based molecular turnstile. <i>Dalton Transactions</i> , 2011 , 40, 3517-23	4.3	28
192	Molecular tectonics: ribbon type coordination networks based on porphyrins bearing two pyridine or two pyridine N-oxide units. <i>New Journal of Chemistry</i> , 2008 , 32, 99-104	3.6	28
191	Molecular tectonics: control of pore size and polarity in 3-D hexagonal coordination networks based on porphyrins and a zinc cation. <i>Chemical Communications</i> , 2008 , 5104-6	5.8	28
190	Molecular tectonics: polymorphism and enhancement of network dimensionality by a combination of primary and secondary hydrogen bond sites. <i>Chemical Communications</i> , 2007 , 4626-8	5.8	28
189	Orthogonal packing of enantiomerically pure helical silver coordination networks. <i>Chemical Communications</i> , 2006 , 3078-80	5.8	28
188	Design, synthesis and structural investigation of a 1-D directional coordination network based on the self-assembly of an unsymmetrical mono-tridentate ligand and cobalt cation. <i>Chemical Communications</i> , 2000 , 1863-1864	5.8	28
187	Structural and Anion Coordination Features of Macrocyclic Polyammonium Cations in the Solid, Solution and Computational Phases. <i>Journal of Coordination Chemistry</i> , 1991 , 23, 113-135	1.6	28

186	On Zn(II) 2,2'-bis(dipyrrin) circular helicates. <i>Chemical Communications</i> , 2015 , 51, 5906-9	5.8	27
185	Molecular tectonics: control of interpenetration in cuboid 3-D coordination networks. <i>CrystEngComm</i> , 2011 , 13, 776-778	3.3	27
184	Evidence for a proton phosphatase catalysed cleavage of adenosine triphosphate by a dissociative-type mechanism within a receptor-substrate complex. <i>Tetrahedron Letters</i> , 1987 , 28, 2779-2782	2.7	27
183	Molecular tectonics: pyridyl containing thiacalix[4]arene based tectons for the generation of 2- and 3-D silver coordination networks. <i>Dalton Transactions</i> , 2013 , 42, 116-26	4.3	26
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181	Binding of Boron and Alkali Metal Cations by a Pseudocryptand. <i>Angewandte Chemie International Edition in English</i> , 1995 , 34, 1115-1117		26
180	Molecular tectonics: design of 2-D networks by simultaneous use of charge-assisted hydrogen and coordination bonds. <i>Chemical Communications</i> , 2009 , 6786-8	5.8	25
179	Self-assembly of a bis-tridentate Py ₂ S ₄ ligand and cadmium cation into 1- and 2-D coordination networks. <i>Chemical Communications</i> , 1999 , 603-604	5.8	25
178	Supramolecular catalysis: substrate phosphorylations and adenosine triphosphate synthesis with acetylphosphate catalysed by a macrocycle polyamine. <i>Journal of the Chemical Society Chemical Communications</i> , 1988 , 397		25
177	Phosphorus(V) Porphyrin-Based Molecular Turnstiles. <i>Inorganic Chemistry</i> , 2016 , 55, 10774-10782	5.1	25
176	Molecular tectonics: tubular crystals with controllable channel size and orientation. <i>Chemical Communications</i> , 2010 , 46, 112-4	5.8	24
175	Dipyrrin based silver [2 + 2] metallamacrocycles. <i>Dalton Transactions</i> , 2011 , 40, 437-45	4.3	24
174	Self-Assembly of Convex and Concave Molecular Tectons to Form a Linear Molecular Array in the Solid State. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 1760-1762		24
173	Molecular tectonics VIII: formation of 1D and 3D networks based on the simultaneous use of hydrogen bonding and ionic interactions. <i>New Journal of Chemistry</i> , 1998 , 22, 1389-1393	3.6	24
172	Direct synthesis and structural characterisation of tri- and tetra-nuclear silver metallaknotanes by self-assembly approach. <i>Chemical Communications</i> , 2008 , 6191-3	5.8	24
171	A platinum based organometallic turnstile. <i>Chemical Communications</i> , 2013 , 49, 3637-9	5.8	23
170	Porphyrin based metallamacrocycles. <i>New Journal of Chemistry</i> , 2006 , 30, 1289	3.6	23
169	Design of 2-D hydrogen bonded molecular networks using pyromellitate dianion and cyclic bisamidinium dication as complementary tectons. <i>Solid State Sciences</i> , 2001 , 3, 789-793	3.4	23

168	Exoditopic receptors II: Synthesis and x-ray crystal structure of a disilamacrocycle bearing two bipyridine units. <i>Tetrahedron Letters</i> , 1994 , 35, 7233-7236	2	23
167	Molecular tectonics: gas adsorption and chiral uptake of (l)- and (d)-tryptophan by homochiral porous coordination polymers. <i>Chemical Communications</i> , 2017 , 53, 5740-5743	5.8	22
166	A stepwise approach to the formation of heterometallic discrete complexes and infinite architectures. <i>Dalton Transactions</i> , 2007 , 1129-39	4.3	22
165	Synthesis of a 1,3-alternate tetramercapto [1.1.1]metacyclophane. <i>Tetrahedron Letters</i> , 1993 , 34, 8111-8112	2.8	22
164	Tuning photochemical properties of phosphorus(v) porphyrin photosensitizers. <i>Chemical Communications</i> , 2017 , 53, 9918-9921	5.8	21
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