Christopher A Hunter

List of Publications by Year in Descending Order

251 papers	20,601 citations	62 h-index	138 g-index
259 ext. papers	21,951 ext. citations	8.8 avg, IF	7.19 L-index

#	Paper	IF	Citations
251	Duplex folding: tuning the self-assembly of synthetic recognition-encoded aniline oligomers. *Organic and Biomolecular Chemistry*, **2021**, 19, 8947-8954	3.9	1
250	Artificial transmembrane signal transduction mediated by dynamic covalent chemistry. *Chemical Science*, **2021**, 12, 14059-14064	9.4	1
249	SSIPTools: Software and Methodology for Surface Site Interaction Point (SSIP) Approach and Applications. *Journal of Chemical Information and Modeling*, **2021**, 61, 5331-5335	6.1	2
248	Translation of Chemical Structure into Dissipative Particle Dynamics Parameters for Simulation of Surfactant Self-Assembly. *Journal of Physical Chemistry B*, **2021**, 125, 3942-3952	3.4	4
247	High-Fidelity Sequence-Selective Duplex Formation by Recognition-Encoded Melamine Oligomers. *Journal of the American Chemical Society*, **2021**, 143, 8669-8678	16.4	3
246	Water and the Cation-Interaction. *Journal of the American Chemical Society*, **2021**, 143, 12397-12403	16.4	5
245	Stimuli-Responsive Self-Sorting Hybrid Hydrogen-Bonded/Metal-Coordinated Cage. *Chemistry - A European Journal*, **2021**, 27, 3302-3305	4.8	2
244	Folding and duplex formation in mixed sequence recognition-encoded -phenylene ethynylene polymers. *Chemical Science*, **2021**, 12, 10218-10226	9.4	2
243	Controlled mutation in the replication of synthetic oligomers. *Chemical Science*, **2021**, 12, 4063-4068	9.4	5
242	Replication of Sequence Information in Synthetic Oligomers. *Accounts of Chemical Research*, **2021**, 54, 1298-1306	24.3	11
241	Dissection of the Polar and Non-Polar Contributions to Aromatic Stacking Interactions in Solution. *Angewandte Chemie*, **2021**, 133, 24064	3.6	0
240	Dissection of the Polar and Non-Polar Contributions to Aromatic Stacking Interactions in Solution. *Angewandte Chemie - International Edition*, **2021**, 60, 23871-23877	16.4	3
239	Transmembrane signal transduction by cofactor transport. *Chemical Science*, **2021**, 12, 12377-12382	9.4	1
238	Redox switching of an artificial transmembrane signal transduction system. *Chemical Communications*, **2021**, 57, 2196-2198	5.8	3
237	An empirical model for solvation based on surface site interaction points. *Chemical Science*, **2021**, 12, 13193-13208	9.4	1
236	Mapping the binding site topology of amyloid protein aggregates using multivalent ligands. *Chemical Science*, **2021**, 12, 8892-8899	9.4	0
235	Liposome Enhanced Detection of Amyloid Protein Aggregates. *Organic Letters*, **2021**, 23, 647-650	6.2	2

234	Solvent similarity index. *Physical Chemistry Chemical Physics*, **2020**, 22, 11967-11975	3.6	10
233	A Surface Site Interaction Point Method for Dissipative Particle Dynamics Parametrization: Application to Alkyl Ethoxylate Surfactant Self-Assembly. *Journal of Physical Chemistry B*, **2020**, 124, 5047-5055	3.4	8
232	Hetero-Coencapsulation within a Supramolecular Cage: Moving away from the Statistical Distribution of Different Guests. *Chemistry - A European Journal*, **2020**, 26, 9454-9458	4.8	7
231	Supramolecular catalysis by recognition-encoded oligomers: discovery of a synthetic imine polymerase. *Chemical Science*, **2020**, 11, 7408-7414	9.4	4
230	Quantification of cooperativity in the self-assembly of H-bonded rosettes. *Organic and Biomolecular Chemistry*, **2020**, 18, 1602-1606	3.9	6
229	ThX - a next-generation probe for the early detection of amyloid aggregates. *Chemical Science*, **2020**, 11, 4578-4583	9.4	18
228	Two-component assembly of recognition-encoded oligomers that form stable H-bonded duplexes. *Chemical Science*, **2020**, 11, 561-566	9.4	10
227	Template effects of vesicles in dynamic covalent chemistry. *Chemical Science*, **2020**, 11, 9122-9125	9.4	9
226	Functional group interaction profiles: a general treatment of solvent effects on non-covalent interactions. *Chemical Science*, **2020**, 11, 4456-4466	9.4	16
225	Cooperative assembly of H-bonded rosettes inside a porphyrin nanoring. *Chemical Science*, **2020**, 12, 1427-1432	9.4	4
224	Molecular Transformer: A Model for Uncertainty-Calibrated Chemical Reaction Prediction. *ACS Central Science*, **2019**, 5, 1572-1583	16.8	181
223	An Activatable Cancer-Targeted Hydrogen Peroxide Probe for Photoacoustic and Fluorescence Imaging. *Cancer Research*, **2019**, 79, 5407-5417	10.1	15
222	Supramolecular cage encapsulation as a versatile tool for the experimental quantification of aromatic stacking interactions. *Chemical Science*, **2019**, 10, 1466-1471	9.4	19
221	Building blocks for recognition-encoded oligoesters that form H-bonded duplexes. *Chemical Science*, **2019**, 10, 2444-2451	9.4	15
220	Triaminopyrimidine derivatives as transmembrane HCl transporters. *Organic and Biomolecular Chemistry*, **2019**, 17, 5633-5638	3.9	1
219	H-Bond donor parameters for cations. *Chemical Science*, **2019**, 10, 5943-5951	9.4	15
218	Benchmarking of Halogen Bond Strength in Solution with Nickel Fluorides: Bromine versus Iodine and Perfluoroaryl versus Perfluoroalkyl Donors. *Chemistry - A European Journal*, **2019**, 25, 9237-9241	4.8	9
217	Emergent supramolecular assembly properties of a recognition-encoded oligoester. *Chemical Science*, **2019**, 10, 5397-5404	9.4	10

216	Sequence information transfer using covalent template-directed synthesis. *Chemical Science*, **2019**, 10, 5258-5266	9.4	22
215	Capping Strategies for Covalent Template-Directed Synthesis of Linear Oligomers Using CuAAC. *Journal of the American Chemical Society*, **2019**, 141, 10862-10875	16.4	12
214	A Synthetic Vesicle-to-Vesicle Communication System. *Journal of the American Chemical Society*, **2019**, 141, 17847-17853	16.4	23
213	Molecular replication using covalent base-pairs with traceless linkers. *Organic and Biomolecular Chemistry*, **2019**, 17, 9660-9665	3.9	7
212	Cap control: cyclic linear oligomerisation in covalent template-directed synthesis.. *RSC Advances*, **2019**, 9, 29566-29569	3.7	6
211	Coordination Cages Based on Bis(pyrazolylpyridine) Ligands: Structures, Dynamic Behavior, Guest Binding, and Catalysis. *Accounts of Chemical Research*, **2018**, 51, 2073-2082	24.3	125
210	Polarisation effects on the solvation properties of alcohols. *Chemical Science*, **2018**, 9, 88-99	9.4	29
209	Competitor analysis of functional group H-bond donor and acceptor properties using the Cambridge Structural Database. *Physical Chemistry Chemical Physics*, **2018**, 20, 25324-25334	3.6	6
208	An improved methodology to compute surface site interaction points using high density molecular electrostatic potential surfaces. *Journal of Computational Chemistry*, **2018**, 39, 2371-2377	3.5	4
207	Combined Virtual/Experimental Multicomponent Solid Forms Screening of Sildenafil: New Salts, Cocrystals, and Hybrid Salt□ocrystals. *Crystal Growth and Design*, **2018**, 18, 7618-7627	3.5	23
206	Understanding the Influence of Surface Solvation and Structure on Polymorph Stability: A Combined Mechanochemical and Theoretical Approach. *Journal of the American Chemical Society*, **2018**, 140, 17051-17059	16.4	30
205	Ultrasound-induced gelation of a giant macrocycle. *Chemical Communications*, **2018**, 54, 10874-10877	5.8	14
204	H-Bonded Duplexes based on a Phenylacetylene Backbone. *Journal of the American Chemical Society*, **2018**, 140, 11526-11536	16.4	19
203	Backbone conformation affects duplex initiation and duplex propagation in hybridisation of synthetic H-bonding oligomers. *Organic and Biomolecular Chemistry*, **2018**, 16, 4183-4190	3.9	8
202	Solvatomorphism of Reichardt□s dye. *CrystEngComm*, **2018**, 20, 2912-2915	3.3	10
201	A surface site interaction point methodology for macromolecules and huge molecular databases. *Journal of Computational Chemistry*, **2017**, 38, 419-426	3.5	2
200	Guest Binding and Catalysis in the Cavity of a Cubic Coordination Cage. *Chemistry Letters*, **2017**, 46, 2-9	1.7	27
199	Recognition-Controlled Membrane Translocation for Signal Transduction across Lipid Bilayers. *Journal of the American Chemical Society*, **2017**, 139, 6461-6466	16.4	23

198	Enhanced Chelate Cooperativity in Polar Solvents. *Journal of the American Chemical Society*, **2017**, 139, 6675-6681	16.4	11
197	H-Bond Self-Assembly: Folding versus Duplex Formation. *Journal of the American Chemical Society*, **2017**, 139, 6654-6662	16.4	26
196	H-Bond Acceptor Parameters for Anions. *Journal of the American Chemical Society*, **2017**, 139, 6700-6706	16.4	78
195	Cocrystals of spironolactone and griseofulvin based on an in silico screening method. *CrystEngComm*, **2017**, 19, 3592-3599	3.3	29
194	Hydrogen bonding halogen bonding: the solvent decides. *Chemical Science*, **2017**, 8, 5392-5398	9.4	116
193	Solid form and solubility. *CrystEngComm*, **2017**, 19, 23-26	3.3	16
192	Controlled membrane translocation provides a mechanism for signal transduction and amplification. *Nature Chemistry*, **2017**, 9, 426-430	17.6	56
191	Sequence-Selective Formation of Synthetic H-Bonded Duplexes. *Journal of the American Chemical Society*, **2017**, 139, 12655-12663	16.4	26
190	Triggered Release from Lipid Bilayer Vesicles by an Artificial Transmembrane Signal Transduction System. *Journal of the American Chemical Society*, **2017**, 139, 15768-15773	16.4	41
189	Fluorescent and colorimetric molecular recognition probe for hydrogen bond acceptors. *Organic and Biomolecular Chemistry*, **2017**, 15, 9603-9610	3.9	10
188	Homochiral oligomers with highly flexible backbones form stable H-bonded duplexes. *Chemical Science*, **2017**, 8, 206-213	9.4	27
187	Mix and match recognition modules for the formation of H-bonded duplexes. *Chemical Science*, **2016**, 7, 5686-5691	9.4	15
186	Mix and match backbones for the formation of H-bonded duplexes. *Chemical Science*, **2016**, 7, 1760-1767	9.4	25
185	Highly efficient catalysis of the Kemp elimination in the cavity of a cubic coordination cage. *Nature Chemistry*, **2016**, 8, 231-6	17.6	278
184	H-bond competition experiments in solution and the solid state. *CrystEngComm*, **2016**, 18, 394-397	3.3	17
183	Cooperative duplex formation by synthetic H-bonding oligomers. *Chemical Science*, **2016**, 7, 94-101	9.4	37
182	pH-dependent binding of guests in the cavity of a polyhedral coordination cage: reversible uptake and release of drug molecules. *Chemical Science*, **2015**, 6, 625-631	9.4	100
181	The flexibility-complementarity dichotomy in receptor-ligand interactions. *Chemical Science*, **2015**, 6, 1444-1453	9.4	30

180	An interconverting family of coordination cages and a meso-helicate; effects of temperature, concentration, and solvent on the product distribution of a self-assembly process. *Inorganic Chemistry*, **2015**, 54, 2626-37	5.1	44
179	pH-Controlled selection between one of three guests from a mixture using a coordination cage host. *Chemical Science*, **2015**, 6, 4025-4028	9.4	23
178	Influence of non-covalent preorganization on supramolecular effective molarities. *Organic and Biomolecular Chemistry*, **2015**, 13, 4981-92	3.9	19
177	The Contrasting Character of Early and Late Transition Metal Fluorides as Hydrogen Bond Acceptors. *Journal of the American Chemical Society*, **2015**, 137, 11820-31	16.4	22
176	Virtual screening for high affinity guests for synthetic supramolecular receptors. *Chemical Science*, **2015**, 6, 2790-2794	9.4	39
175	The roughness of the protein energy landscape results in anomalous diffusion of the polypeptide backbone. *Physical Chemistry Chemical Physics*, **2015**, 17, 762-82	3.6	24
174	Applications of dynamic combinatorial chemistry for the determination of effective molarity. *Chemical Science*, **2015**, 6, 144-151	9.4	26
173	Influence of receptor flexibility on intramolecular H-bonding interactions. *Organic and Biomolecular Chemistry*, **2015**, 13, 8053-66	3.9	8
172	Measurement of supramolecular effective molarities for intramolecular H-bonds in zinc porphyrin-imidazole complexes. *Organic and Biomolecular Chemistry*, **2014**, 12, 1440-7	3.9	15
171	Metal hydrides form halogen bonds: measurement of energetics of binding. *Journal of the American Chemical Society*, **2014**, 136, 1288-91	16.4	31
170	Fac and mer isomers of Ru(II) tris(pyrazolyl-pyridine) complexes as models for the vertices of coordination cages: structural characterisation and hydrogen-bonding characteristics. *Dalton Transactions*, **2014**, 43, 71-84	4.3	35
169	Validation of a Computational Cocrystal Prediction Tool: Comparison of Virtual and Experimental Cocrystal Screening Results. *Crystal Growth and Design*, **2014**, 14, 165-171	3.5	74
168	Correction to Relationship Between Molecular Contact Thermodynamics and Surface Contact Mechanics. *Langmuir*, **2014**, 30, 9623-9623	4	
167	A solvent-resistant halogen bond. *Chemical Science*, **2014**, 5, 4179-4183	9.4	101
166	Mapping the internal recognition surface of an octanuclear coordination cage using guest libraries. *Journal of the American Chemical Society*, **2014**, 136, 8475-83	16.4	84
165	Virtual Screening Identifies New Cocrystals of Nalidixic Acid. *Crystal Growth and Design*, **2014**, 14, 1749-1755	3.5	43
164	Interplay of self-association and solvation in polar liquids. *Journal of the American Chemical Society*, **2013**, 135, 12091-100	16.4	16
163	Relationship between chemical structure and supramolecular effective molarity for formation of intramolecular H-bonds. *Journal of the American Chemical Society*, **2013**, 135, 13129-41	16.4	53

162	van der Waals interactions in non-polar liquids. *Chemical Science*, **2013**, 4, 834-848	9.4	38
161	Shape-, size-, and functional group-selective binding of small organic guests in a paramagnetic coordination cage. *Inorganic Chemistry*, **2013**, 52, 1122-32	5.1	67
160	A surface site interaction model for the properties of liquids at equilibrium. *Chemical Science*, **2013**, 4, 1687	9.4	25
159	Footprinting molecular electrostatic potential surfaces for calculation of solvation energies. *Physical Chemistry Chemical Physics*, **2013**, 15, 18262-73	3.6	33
158	Quantification of the effect of conformational restriction on supramolecular effective molarities. *Journal of the American Chemical Society*, **2013**, 135, 1853-63	16.4	55
157	Quantification of solvent effects on molecular recognition in polyhedral coordination cage hosts. *Chemical Science*, **2013**, 4, 2744	9.4	83
156	Molecular Conformation and Crystallization: The Case of Ethenzamide. *Crystal Growth and Design*, **2012**, 12, 6110-6117	3.5	39
155	Alkyltransferase-like protein (Atl1) distinguishes alkylated guanines for DNA repair using cation-π interactions. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 18755-60	11.5	16
154	Measurement of energy landscape roughness of folded and unfolded proteins. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 19563-8	11.5	37
153	Steric desolation enhances the effective molarities of intramolecular H-bonding interactions. *Organic and Biomolecular Chemistry*, **2012**, 10, 6022-31	3.9	13
152	Luminescent cyanometallates based on phenylpyridine-Ir(III) units: solvatochromism, metallochromism, and energy-transfer in Ir/Ln and Ir/Re complexes. *Dalton Transactions*, **2012**, 41, 2408-19	4.2	32
151	Relationship between molecular contact thermodynamics and surface contact mechanics. *Langmuir* , **2012**, 28, 17709-17	4	20
150	Influence of solvent polarity on preferential solvation of molecular recognition probes in solvent mixtures. *Journal of Physical Chemistry B*, **2012**, 116, 14433-40	3.4	28
149	The mechanics of nanometre-scale molecular contacts. *Faraday Discussions*, **2012**, 156, 325-41; discussion 413-34	3.6	14
148	Selective guest recognition by a self-assembled paramagnetic cage complex. *Chemical Communications*, **2012**, 48, 2752-4	5.8	61
147	Structure-based identification of new high-affinity nucleosome binding sequences. *Journal of Molecular Biology*, **2012**, 420, 8-16	6.5	16
146	Molecular probes of solvation phenomena. *Chemical Society Reviews*, **2012**, 41, 3485-92	58.5	42
145	Solvent effects on chelate cooperativity. *Chemical Science*, **2012**, 3, 589-601	9.4	31

144	Solvent effects of the structures of prenucleation aggregates of carbamazepine. *CrystEngComm*, **2012**, 14, 7115	3.3	46
143	Comparative analysis of the influence of H-bond strength and solvent on chelate cooperativity in H-bonded supramolecular complexes. *Chemical Science*, **2012**, 3, 2462	9.4	25
142	Influence of H-bond strength on chelate cooperativity. *Journal of the American Chemical Society*, **2011**, 133, 20416-25	16.4	32
141	Dissection of complex molecular recognition interfaces. *Journal of the American Chemical Society*, **2011**, 133, 582-94	16.4	46
140	Virtual cocrystal screening. *Chemical Science*, **2011**, 2, 883	9.4	185
139	Contact mechanics of nanometer-scale molecular contacts: correlation between adhesion, friction, and hydrogen bond thermodynamics. *Journal of the American Chemical Society*, **2011**, 133, 8625-32	16.4	28
138	Molecular recognition probes of solvation thermodynamics in solvent mixtures. *Organic and Biomolecular Chemistry*, **2011**, 9, 7571-8	3.9	19
137	An AAAADDDD quadruple hydrogen-bond array. *Nature Chemistry*, **2011**, 3, 244-48	17.6	142
136	Versatile low-molecular-weight hydrogelators: achieving multiresponsiveness through a modular design. *Chemistry - A European Journal*, **2011**, 17, 9753-61	4.8	17
135	Relationship between conformational flexibility and chelate cooperativity. *Journal of Organic Chemistry*, **2011**, 76, 2723-32	4.2	47
134	Synthesis of a molecular trefoil knot by folding and closing on an octahedral coordination template. *Nature Chemistry*, **2010**, 2, 218-22	17.6	134
133	Structural mechanics of DNA wrapping in the nucleosome. *Journal of Molecular Biology*, **2010**, 396, 264-79	3.5	20
132	Hydrogen bonding properties of non-polar solvents. *Organic and Biomolecular Chemistry*, **2010**, 8, 1455-62	3.9	37
131	A thermodynamic study of selective solvation in solvent mixtures. *Organic and Biomolecular Chemistry*, **2010**, 8, 1943-50	3.9	21
130	The role of functional group concentration in solvation thermodynamics. *Chemical Science*, **2010**, 1, 242	9.4	21
129	Solvent Effects on Acridine Polymorphism. *Crystal Growth and Design*, **2010**, 10, 1661-1664	3.5	33
128	An improved synthesis, crystal structures, and metallochromism of salts of [Ru(tolyl-terpy)(CN)3]□ *Inorganica Chimica Acta*, **2010**, 363, 2938-2944	2.7	3
127	Structural Fingerprints of Transcription Factor Binding Site Regions. *Algorithms*, **2009**, 2, 448-469	1.8	1

126	What is cooperativity?. *Angewandte Chemie - International Edition*, **2009**, 48, 7488-99	16.4	622
125	Use of quantitative (1)H NMR chemical shift changes for ligand docking into barnase. *Journal of Biomolecular NMR*, **2009**, 43, 11-9	3	27
124	A peptide cross-linked polyacrylamide hydrogel for the detection of human neutrophil elastase. *Electrochimica Acta*, **2009**, 54, 4985-4990	6.7	17
123	Non-covalent interactions between iodo-perfluorocarbons and hydrogen bond acceptors. *Chemical Communications*, **2009**, 2005-7	5.8	145
122	Halogen bonded supramolecular assemblies of [Ru(bipy)(CN)4]2- anions and N-methyl-halopyridinium cations in the solid state and in solution. *Inorganic Chemistry*, **2009**, 48, 1666-77	5.1	78
121	Chemical double mutant cycles for the quantification of cooperativity in H-bonded complexes. *Journal of the American Chemical Society*, **2009**, 131, 18518-24	16.4	53
120	Cooperativity in multiply H-bonded complexes. *Chemical Communications*, **2009**, 3964-6	5.8	29
119	Desolvation and substituent effects in edge-to-face aromatic interactions. *Chemical Communications*, **2009**, 3961-3	5.8	52
118	Self-assembly of double-decker cages induced by coordination of perylene bisimide with a trimeric Zn porphyrin: study of the electron transfer dynamics between the two photoactive components. *Dalton Transactions*, **2009**, 4023-37	4.3	40
117	A pulse--radiolysis approach to fast reductive cleavage of a disulfide bond to uncage enzyme activity. *Free Radical Biology and Medicine*, **2008**, 45, 1271-8	7.8	3
116	Evidence for partially bound states in cooperative molecular recognition interfaces. *Journal of the American Chemical Society*, **2008**, 130, 17718-25	16.4	43
115	Structurally-tolerant self-assembly of zinc pyridyl porphyrins. *New Journal of Chemistry*, **2008**, 32, 525	3.6	11
114	Determination of protein-ligand binding modes using complexation-induced changes in (1)h NMR chemical shift. *Journal of Medicinal Chemistry*, **2008**, 51, 2512-7	8.3	32
113	A method for the reversible trapping of proteins in non-native conformations. *Biochemistry*, **2008**, 47, 13620-34	3.2	8
112	Influence of conformational flexibility on complexation-induced changes in chemical shift in a neocarzinostatin protein-ligand complex. *Journal of Medicinal Chemistry*, **2008**, 51, 4488-95	8.3	9
111	Factors influencing tetranuclear [2 x 2] grid vs dinuclear side-by-side structures for silver(I) complexes of pyridazine-based bis-bidentate ligands. *Inorganic Chemistry*, **2008**, 47, 10729-38	5.1	36
110	A Neutral DNA Sequence-Selective Vector for Interaction Studies: Fluorescence Binding Experiments Directed Towards a Carbohydrate-DNA Carrier. *European Journal of Organic Chemistry*, **2008**, 2008, 2220-2231	3.2	3
109	Preferential solvation and hydrogen bonding in mixed solvents. *Angewandte Chemie - International Edition*, **2008**, 47, 6275-7	16.4	44

108	The nucleation of inosine: the impact of solution chemistry on the appearance of polymorphic and hydrated crystal forms. *Faraday Discussions*, **2007**, 136, 179-93; discussion 213-29	3.6	54
107	Structural and photophysical properties of adducts of [Ru(bipy)(CN)4]2- with different metal cations: metallochromism and its use in switching photoinduced energy transfer. *Journal of the American Chemical Society*, **2007**, 129, 4014-27	16.4	57
106	Transmission of binding information across lipid bilayers. *Chemistry - A European Journal*, **2007**, 13, 7215-28	4.8	26
105	Solvent effects on hydrogen bonding. *Angewandte Chemie - International Edition*, **2007**, 46, 3706-9	16.4	148
104	Noncovalent functional-group-arene interactions. *Angewandte Chemie - International Edition*, **2007**, 46, 7823-6	16.4	54
103	Chemical double-mutant cycles: dissecting non-covalent interactions. *Chemical Society Reviews*, **2007**, 36, 172-88	58.5	224
102	Substituent effects on aromatic stacking interactions. *Organic and Biomolecular Chemistry*, **2007**, 5, 1062-80	3.9	204
101	Amplification of bifunctional ligands for calmodulin from a dynamic combinatorial library. *Chemistry - A European Journal*, **2006**, 12, 1081-7	4.8	43
100	Prediction of atomic structure from sequence for double helical DNA oligomers. *Biopolymers*, **2006**, 81, 51-61	2.2	13
99	Cooperativity in the self-assembly of porphyrin ladders. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 3034-8	11.5	61
98	DABCO-Induced self-assembly of a trisporphyrin double-decker cage: thermodynamic characterization and guest recognition. *Journal of the American Chemical Society*, **2006**, 128, 5560-9	16.4	93
97	Accurate length control of supramolecular oligomerization: Vernier assemblies. *Journal of the American Chemical Society*, **2006**, 128, 8975-9	16.4	79
96	Desolvation tips the balance: solvent effects on aromatic interactions. *Chemical Communications*, **2006**, 3806-8	5.8	101
95	Structural DNA profiles: single sequence queries. *Journal of Chemical Information and Modeling*, **2006**, 46, 743-52	6.1	
94	Genomic data analysis using DNA structure: an analysis of conserved nongenic sequences and ultraconserved elements. *Journal of Chemical Information and Modeling*, **2006**, 46, 753-61	6.1	8
93	Tailbiter: a new amide foldamer. *Chemical Communications*, **2005**, 3691-3	5.8	31
92	Self-assembly, binding, and dynamic properties of heterodimeric porphyrin macrocycles. *Journal of Organic Chemistry*, **2005**, 70, 6616-22	4.2	37
91	Enhanced ligand affinity for receptors in which components of the binding site are independently mobile. *Chemistry and Biology*, **2005**, 12, 89-97		8

90	Electrostatic control of aromatic stacking interactions. *Journal of the American Chemical Society*, **2005**, 127, 8594-5	16.4	267
89	DABCO-directed self-assembly of bisporphyrins (DABCO=1,4-diazabicyclo[2.2.2]octane). *Chemistry - A European Journal*, **2005**, 11, 2196-206	4.8	83
88	From structure to chemical shift and vice-versa. *Progress in Nuclear Magnetic Resonance Spectroscopy*, **2005**, 47, 27-39	10.4	30
87	Quantifying intermolecular interactions: guidelines for the molecular recognition toolbox. *Angewandte Chemie - International Edition*, **2004**, 43, 5310-24	16.4	799
86	Zwischenmolekulare Wechselwirkungen in Lösung: eine vereinfachende Quantifizierungsmethode. *Angewandte Chemie*, **2004**, 116, 5424-5439	3.6	161
85	Experimental measurement of noncovalent interactions between halogens and aromatic rings. *ChemBioChem*, **2004**, 5, 657-65	3.8	48
84	Synthesis and photochemistry of a new class of photocleavable protein cross-linking reagents. *Chemistry - A European Journal*, **2004**, 10, 1705-10	4.8	13
83	Photomodulated molecular recognition of the guanidinium cation. *Chemical Communications*, **2004**, 108-9	5.8	20
82	A 1H NMR study of crystal nucleation in solution. *CrystEngComm*, **2004**, 6, 489	3.3	59
81	A structural similarity analysis of double-helical DNA. *Journal of Molecular Biology*, **2004**, 343, 879-89	6.5	14
80	Quantification of functional group interactions in transition states. *Journal of the American Chemical Society*, **2003**, 125, 9936-7	16.4	29
79	Cooperativity, partially bound states, and enthalpy-entropy compensation. *Chemistry and Biology*, **2003**, 10, 1023-32		69
78	Complexation-induced chemical shifts--ab initio parameterization of transferable bond anisotropies. *Journal of Magnetic Resonance*, **2003**, 162, 102-12	3	14
77	Molecular acrobatics: self-assembly of calixarene-porphyrin cages. *Journal of the American Chemical Society*, **2003**, 125, 14181-9	16.4	103
76	Cooperative binding at lipid bilayer membrane surfaces. *Journal of the American Chemical Society*, **2003**, 125, 4593-9	16.4	92
75	Sequence-dependent DNA structure: a database of octamer structural parameters. *Journal of Molecular Biology*, **2003**, 332, 1025-35	6.5	55
74	The role of the counteranion in the cation-pi interaction. *Chemical Communications*, **2003**, 834-5	5.8	34
73	New building blocks for the assembly of sequence selective molecular zippers. *Chemical Communications*, **2003**, 1642-3	5.8	12

72	Multivalent recognition of bis- and tris-Zn-porphyrins by N-methylimidazole functionalized gold nanoparticles. *Chemical Communications*, **2003**, 1004-5	5.8	26
71	Dendrimers as scaffolds for the synthesis of spherical porphyrin arrays. *Chemical Communications*, **2003**, 38-9	5.8	20
70	Substituent effects on edge-to-face aromatic interactions. *Chemistry - A European Journal*, **2002**, 8, 2848-59	4.8	103
69	An evaluation of force-field treatments of aromatic interactions. *Chemistry - A European Journal*, **2002**, 8, 2860-7	4.8	68
68	Chemical triple-mutant boxes for quantifying cooperativity in intermolecular interactions. *Chemistry - A European Journal*, **2002**, 8, 5435-46	4.8	20
67	Transmembrane signalling. *Angewandte Chemie - International Edition*, **2002**, 41, 3878-81	16.4	54
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