

# Christopher A Hunter

## List of Publications by Year in descending order

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253  
papers

24,131  
citations

13865

67  
h-index

7950

149  
g-index

259  
all docs

259  
docs citations

259  
times ranked

18233  
citing authors

#	ARTICLE	IF	CITATIONS
1	The nature of $\pi$ - $\pi$ interactions. <i>Journal of the American Chemical Society</i> , 1990, 112, 5525-5534.	13.7	4,972
2	Aromatic interactions. <i>Perkin Transactions II RSC</i> , 2001, , 651-669.	1.1	1,189
3	Quantifying Intermolecular Interactions: Guidelines for the Molecular Recognition Toolbox. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5310-5324.	13.8	928
4	Meldola Lecture. The role of aromatic interactions in molecular recognition. <i>Chemical Society Reviews</i> , 1994, 23, 101.	38.1	873
5	What is Cooperativity?. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7488-7499.	13.8	714
6	$\pi$ - $\pi$ interactions: the geometry and energetics of phenylalanine-phenylalanine interactions in proteins. <i>Journal of Molecular Biology</i> , 1991, 218, 837-846.	4.2	616
7	Sequence-dependent DNA Structure. <i>Journal of Molecular Biology</i> , 1993, 230, 1025-1054.	4.2	438
8	Synthesis and structure elucidation of a new [2]-catenane. <i>Journal of the American Chemical Society</i> , 1992, 114, 5303-5311.	13.7	434
9	Molecular Transformer: A Model for Uncertainty-Calibrated Chemical Reaction Prediction. <i>ACS Central Science</i> , 2019, 5, 1572-1583.	11.3	424
10	Arene- $\pi$ Arene Interactions: Electrostatic or Charge Transfer?. <i>Angewandte Chemie International Edition in English</i> , 1993, 32, 1584-1586.	4.4	368
11	Highly efficient catalysis of the Kemp elimination in the cavity of a cubic coordination cage. <i>Nature Chemistry</i> , 2016, 8, 231-236.	13.6	364
12	Supramolecular topology. <i>Tetrahedron</i> , 1999, 55, 5265-5293.	1.9	290
13	Electrostatic Control of Aromatic Stacking Interactions. <i>Journal of the American Chemical Society</i> , 2005, 127, 8594-8595.	13.7	287
14	Dabco-metalloporphyrin binding: ternary complexes, host-guest chemistry and the measurement of $\pi$ - $\pi$ interactions. <i>Journal of the American Chemical Society</i> , 1990, 112, 5773-5780.	13.7	281
15	Chemical double-mutant cycles: dissecting non-covalent interactions. <i>Chemical Society Reviews</i> , 2007, 36, 172-188.	38.1	264
16	Virtual cocrystal screening. <i>Chemical Science</i> , 2011, 2, 883.	7.4	245
17	Substituent effects on aromatic stacking interactions. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 1062.	2.8	221
18	Self-Assembled Porphyrin Polymers. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 764-767.	13.8	210

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19	Sequence-dependent DNA structure: tetranucleotide conformational maps. <i>Journal of Molecular Biology</i> , 2000, 295, 85-103.	4.2	199
20	Coordination Cages Based on Bis(pyrazolylpyridine) Ligands: Structures, Dynamic Behavior, Guest Binding, and Catalysis. <i>Accounts of Chemical Research</i> , 2018, 51, 2073-2082.	15.6	194
21	Thermodynamics of induced-fit binding inside polycyclic porphyrin hosts. <i>Journal of the American Chemical Society</i> , 1990, 112, 5780-5789.	13.7	182
22	Solvent Effects on Hydrogen Bonding. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 3706-3709.	13.8	179
23	Hydrogen bonding vs. halogen bonding: the solvent decides. <i>Chemical Science</i> , 2017, 8, 5392-5398.	7.4	176
24	Photoinduced Energy and Electron Transfer in Supramolecular Porphyrin Assemblies. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 1936-1939.	4.4	172
25	Self-Assembly of a Dimeric Porphyrin Host. <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 2313-2316.	4.4	171
26	Synthesis and Recognition Properties of Aromatic Amide Oligomers: Molecular Zippers. <i>Journal of the American Chemical Society</i> , 2000, 122, 8856-8868.	13.7	162
27	Chemical Double-Mutant Cycles for the Measurement of Weak Intermolecular Interactions: Edge-to-Face Aromatic Interactions. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 1542-1544.	4.4	158
28	An AAAA-“DDDD quadruple hydrogen-bond array. <i>Nature Chemistry</i> , 2011, 3, 244-248.	13.6	155
29	Non-covalent interactions between iodo-perfluorocarbons and hydrogen bond acceptors. <i>Chemical Communications</i> , 2009, , 2005.	4.1	154
30	Synthesis of a molecular trefoil knot by folding and closing on an octahedral coordination template. <i>Nature Chemistry</i> , 2010, 2, 218-222.	13.6	150
31	Sequence-dependent DNA structure: dinucleotide conformational maps. <i>Journal of Molecular Biology</i> , 2000, 295, 71-83.	4.2	148
32	Cooperative Interactions in a Ternary Mixture. <i>Chemistry - A European Journal</i> , 1998, 4, 845-851.	3.3	143
33	A Binary Quinone Receptor. <i>Angewandte Chemie International Edition in English</i> , 1992, 31, 792-795.	4.4	133
34	Exciton coupling in porphyrin dimers. <i>Chemical Physics</i> , 1989, 133, 395-404.	1.9	125
35	A solvent-resistant halogen bond. <i>Chemical Science</i> , 2014, 5, 4179-4183.	7.4	122
36	Substituent effects on cation- $\hat{A}$ interactions: A quantitative study. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 4873-4876.	7.1	120

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37	pH-dependent binding of guests in the cavity of a polyhedral coordination cage: reversible uptake and release of drug molecules. <i>Chemical Science</i> , 2015, 6, 625-631.	7.4	120
38	Substituent Effects on Edge-to-Face Aromatic Interactions. <i>Chemistry - A European Journal</i> , 2002, 8, 2847.	3.3	118
39	H-Bond Acceptor Parameters for Anions. <i>Journal of the American Chemical Society</i> , 2017, 139, 6700-6706.	13.7	116
40	DNA base-stacking interactions: a comparison of theoretical calculations with oligonucleotide X-ray crystal structures. <i>Journal of Molecular Biology</i> , 1997, 265, 603-619.	4.2	114
41	Desolvation tips the balance: solvent effects on aromatic interactions. <i>Chemical Communications</i> , 2006, , 3806.	4.1	110
42	Self-Assembly of Oligomeric Porphyrin Rings. <i>Organic Letters</i> , 2000, 2, 2435-2438.	4.6	109
43	Molecular Acrobatics: Self-Assembly of Calixarene-Porphyrin Cages. <i>Journal of the American Chemical Society</i> , 2003, 125, 14181-14189.	13.7	109
44	The thermodynamics of self-assembly. <i>Journal of the Chemical Society Chemical Communications</i> , 1995, , 2563.	2.0	102
45	Quantification of solvent effects on molecular recognition in polyhedral coordination cage hosts. <i>Chemical Science</i> , 2013, 4, 2744.	7.4	102
46	Mapping the Internal Recognition Surface of an Octanuclear Coordination Cage Using Guest Libraries. <i>Journal of the American Chemical Society</i> , 2014, 136, 8475-8483.	13.7	101
47	Cooperative Binding at Lipid Bilayer Membrane Surfaces. <i>Journal of the American Chemical Society</i> , 2003, 125, 4593-4599.	13.7	97
48	DABCO-Induced Self-Assembly of a Trisporphyrin Double-Decker Cage: Thermodynamic Characterization and Guest Recognition. <i>Journal of the American Chemical Society</i> , 2006, 128, 5560-5569.	13.7	96
49	Validation of a Computational Cocrystal Prediction Tool: Comparison of Virtual and Experimental Cocrystal Screening Results. <i>Crystal Growth and Design</i> , 2014, 14, 165-171.	3.0	96
50	Sequence-dependent DNA structure: the role of the sugar-phosphate backbone 1 Edited by T. Richmond. <i>Journal of Molecular Biology</i> , 1998, 280, 407-420.	4.2	93
51	Knot tied around an octahedral metal centre. <i>Nature</i> , 2001, 411, 763-763.	27.8	91
52	Self-assembly of macrocyclic porphyrin oligomers. <i>Journal of the Chemical Society Chemical Communications</i> , 1995, , 2567.	2.0	90
53	Quantitative Determination of Intermolecular Interactions with Fluorinated Aromatic Rings. <i>Chemistry - A European Journal</i> , 2001, 7, 3494.	3.3	90
54	DABCO-Directed Self-Assembly of Bisporphyrins (DABCO=1,4-Diazabicyclo[2.2.2]octane). <i>Chemistry - A European Journal</i> , 2005, 11, 2196-2206.	3.3	88

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55	Halogen Bonded Supramolecular Assemblies of [Ru(bipy)(CN) <sub>4</sub> ] <sup>2+</sup> Anions and <i>N</i> -Methyl-Halopyridinium Cations in the Solid State and in Solution. <i>Inorganic Chemistry</i> , 2009, 48, 1666-1677.	4.0	86
56	A Supramolecular System for Quantifying Aromatic Stacking Interactions. <i>Chemistry - A European Journal</i> , 2001, 7, 4863-4877.	3.3	83
57	Accurate Length Control of Supramolecular Oligomerization: Å Vernier Assemblies. <i>Journal of the American Chemical Society</i> , 2006, 128, 8975-8979.	13.7	82
58	Molecular recognition of p-benzoquinone by a macrocyclic host. <i>Journal of the Chemical Society Chemical Communications</i> , 1991, , 749.	2.0	81
59	Directed macrocyclisation reactions. <i>Journal of the Chemical Society Chemical Communications</i> , 1994, , 1277.	2.0	78
60	An Evaluation of Force-Field Treatments of Aromatic Interactions. <i>Chemistry - A European Journal</i> , 2002, 8, 2860.	3.3	78
61	Controlled membrane translocation provides a mechanism for signal transduction and amplification. <i>Nature Chemistry</i> , 2017, 9, 426-430.	13.6	78
62	Molecular Zippers. <i>Journal of the American Chemical Society</i> , 1994, 116, 10292-10293.	13.7	76
63	Shape-, Size-, and Functional Group-Selective Binding of Small Organic Guests in a Paramagnetic Coordination Cage. <i>Inorganic Chemistry</i> , 2013, 52, 1122-1132.	4.0	75
64	Complexation-Induced Changes in <sup>1</sup> H NMR Chemical Shift for Supramolecular Structure Determination. <i>Chemistry - A European Journal</i> , 1999, 5, 1891-1897.	3.3	73
65	Cooperativity, Partially Bound States, and Enthalpy-Entropy Compensation. <i>Chemistry and Biology</i> , 2003, 10, 1023-1032.	6.0	72
66	A <sup>1</sup> H NMR study of crystal nucleation in solution. <i>CrystEngComm</i> , 2004, 6, 489.	2.6	70
67	Self-assembly of zinc aminoporphyrins. <i>New Journal of Chemistry</i> , 1999, 23, 309.	2.8	69
68	Influence of Solvent on Aromatic Interactions in Metal Tris-Bipyridine Complexes. <i>Journal of the American Chemical Society</i> , 1998, 120, 3402-3410.	13.7	66
69	Cooperativity in the self-assembly of porphyrin ladders. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 3034-3038.	7.1	65
70	Selective guest recognition by a self-assembled paramagnetic cage complex. <i>Chemical Communications</i> , 2012, 48, 2752.	4.1	65
71	Hydrogen-bond recognition of cyclic dipeptides in water. <i>Chemical Communications</i> , 1998, , 2449-2450.	4.1	63
72	The nucleation of inosine: the impact of solution chemistry on the appearance of polymorphic and hydrated crystal forms. <i>Faraday Discussions</i> , 2007, 136, 179.	3.2	63

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73	Structural consequences of a molecular assembly that is deficient in hydrogen-bond acceptors. <i>Journal of the Chemical Society Chemical Communications</i> , 1992, , 1134.	2.0	62
74	Transmembrane Signalling. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 3878-3881.	13.8	61
75	Noncovalent Functionalâ€Groupâ€Arene Interactions. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7823-7826.	13.8	61
76	How strong is a ĩ€-facial hydrogen bond?. <i>Chemical Communications</i> , 1996, , 2531-2532.	4.1	60
77	Structural and Photophysical Properties of Adducts of [Ru(bipy)(CN)4]2-with Different Metal Cations:Â Metallochromism and Its Use in Switching Photoinduced Energy Transfer. <i>Journal of the American Chemical Society</i> , 2007, 129, 4014-4027.	13.7	60
78	Desolvation and substituent effects in edge-to-face aromatic interactions. <i>Chemical Communications</i> , 2009, , 3961.	4.1	60
79	Sequence-dependent DNA Structure: A Database of Octamer Structural Parameters. <i>Journal of Molecular Biology</i> , 2003, 332, 1025-1035.	4.2	59
80	Wechselwirkungen zwischen aromatischen Systemen: Beruhen sie auf elektrostatischen KrÄften oder Chargeâ€Transferâ€AœbergÄngen?. <i>Angewandte Chemie</i> , 1993, 105, 1653-1655.	2.0	58
81	Solvent effects of the structures of prenucleation aggregates of carbamazepine. <i>CrystEngComm</i> , 2012, 14, 7115.	2.6	58
82	[2]Catenane or not [2]catenane?. <i>Journal of the Chemical Society Chemical Communications</i> , 1995, , 809.	2.0	57
83	Experimental Measurement of Noncovalent Interactions Between Halogens and Aromatic Rings. <i>ChemBioChem</i> , 2004, 5, 657-665.	2.6	57
84	Relationship between Chemical Structure and Supramolecular Effective Molarity for Formation of Intramolecular H-Bonds. <i>Journal of the American Chemical Society</i> , 2013, 135, 13129-13141.	13.7	57
85	Quantification of the Effect of Conformational Restriction on Supramolecular Effective Molarities. <i>Journal of the American Chemical Society</i> , 2013, 135, 1853-1863.	13.7	57
86	Amideâ€aromatic hydrogen-bonds in hostâ€guest recognition. <i>Chemical Communications</i> , 1996, , 2529-2530.	4.1	56
87	An Interconverting Family of Coordination Cages and a <i>meso</i>-Helicate; Effects of Temperature, Concentration, and Solvent on the Product Distribution of a Self-Assembly Process. <i>Inorganic Chemistry</i> , 2015, 54, 2626-2637.	4.0	55
88	Chemical Double Mutant Cycles for the Quantification of Cooperativity in H-Bonded Complexes. <i>Journal of the American Chemical Society</i> , 2009, 131, 18518-18524.	13.7	54
89	Triggered Release from Lipid Bilayer Vesicles by an Artificial Transmembrane Signal Transduction System. <i>Journal of the American Chemical Society</i> , 2017, 139, 15768-15773.	13.7	54
90	A new approach to the assembly of electron donorâ€spacerâ€acceptor systems. <i>Journal of the Chemical Society Chemical Communications</i> , 1989, .	2.0	53

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91	Cooperativity in the assembly of zipper complexes. <i>Chemical Communications</i> , 1996, , 1723.	4.1	53
92	Quantitative Measurements of Edge-to-Face Aromatic Interactions by Using Chemical Double-Mutant Cycles. <i>Chemistry - A European Journal</i> , 2001, 7, 4854-4862.	3.3	53
93	Preferential Solvation and Hydrogen Bonding in Mixed Solvents. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6275-6277.	13.8	51
94	Understanding the Influence of Surface Solvation and Structure on Polymorph Stability: A Combined Mechanochemical and Theoretical Approach. <i>Journal of the American Chemical Society</i> , 2018, 140, 17051-17059.	13.7	51
95	Amplification of Bifunctional Ligands for Calmodulin from a Dynamic Combinatorial Library. <i>Chemistry - A European Journal</i> , 2006, 12, 1081-1087.	3.3	50
96	Dissection of Complex Molecular Recognition Interfaces. <i>Journal of the American Chemical Society</i> , 2011, 133, 582-594.	13.7	49
97	Virtual Screening Identifies New Cocrystals of Nalidixic Acid. <i>Crystal Growth and Design</i> , 2014, 14, 1749-1755.	3.0	49
98	Structure-activity relationship for quantifying aromatic interactions. <i>Chemical Communications</i> , 1998, , 775-776.	4.1	48
99	Molecular Conformation and Crystallization: The Case of Ethenzamide. <i>Crystal Growth and Design</i> , 2012, 12, 6110-6117.	3.0	48
100	Measurement of energy landscape roughness of folded and unfolded proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 19563-19568.	7.1	48
101	Relationship Between Conformational Flexibility and Chelate Cooperativity. <i>Journal of Organic Chemistry</i> , 2011, 76, 2723-2732.	3.2	47
102	Molecular probes of solvation phenomena. <i>Chemical Society Reviews</i> , 2012, 41, 3485.	38.1	47
103	Virtual screening for high affinity guests for synthetic supramolecular receptors. <i>Chemical Science</i> , 2015, 6, 2790-2794.	7.4	46
104	Assembly of a photoactive supramolecule using porphyrin co-ordination chemistry. <i>Journal of the Chemical Society Chemical Communications</i> , 1989, , 226.	2.0	45
105	Chemische Cyclen mit doppelter Strukturvariation zur Bestimmung schwacher intermolekularer Wechselwirkungen: aromatische Kante-Fläche-Wechselwirkungen. <i>Angewandte Chemie</i> , 1996, 108, 1628-1631.	2.0	45
106	Hydrogen bonding properties of non-polar solvents. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 1455.	2.8	45
107	Allosteric ligand binding to cofacial metalloporphyrin dimers: the mechanism of porphyrin disaggregation. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1989, , 547.	0.9	44
108	van der Waals interactions in non-polar liquids. <i>Chemical Science</i> , 2013, 4, 834-848.	7.4	44

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109	Evidence for Partially Bound States in Cooperative Molecular Recognition Interfaces. <i>Journal of the American Chemical Society</i> , 2008, 130, 17718-17725.	13.7	43
110	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. <i>Dalton Transactions</i> , 2009, , 4023.	3.3	43
111	ThX â€“ a next-generation probe for the early detection of amyloid aggregates. <i>Chemical Science</i> , 2020, 11, 4578-4583.	7.4	43
112	Polarisation effects on the solvation properties of alcohols. <i>Chemical Science</i> , 2018, 9, 88-99.	7.4	43
113	Cooperative duplex formation by synthetic H-bonding oligomers. <i>Chemical Science</i> , 2016, 7, 94-101.	7.4	42
114	Azobenzene-porphyrins. <i>Tetrahedron Letters</i> , 1996, 37, 699-702.	1.4	40
115	Self-Assembly, Binding, and Dynamic Properties of Heterodimeric Porphyrin Macrocycles. <i>Journal of Organic Chemistry</i> , 2005, 70, 6616-6622.	3.2	39
116	Cocrystals of spironolactone and griseofulvin based on an in silico screening method. <i>CrystEngComm</i> , 2017, 19, 3592-3599.	2.6	39
117	Photoinduced electron transfer on a supramolecular scaffold. <i>Chemical Communications</i> , 1996, , 1361.	4.1	38
118	Fac and mer isomers of Ru( <i>scp</i> ) tris(pyrazolyl-pyridine) complexes as models for the vertices of coordination cages: structural characterisation and hydrogen-bonding characteristics. <i>Dalton Transactions</i> , 2014, 43, 71-84.	3.3	38
119	The role of the counteranion in the cation- $\pi$ interaction. <i>Chemical Communications</i> , 2003, , 834-835.	4.1	37
120	From structure to chemical shift and vice-versa. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2005, 47, 27-39.	7.5	37
121	Factors Influencing Tetranuclear [2 $\times$ 2] Grid vs Dinuclear Side-by-Side Structures for Silver(I) Complexes of Pyridazine-Based Bis-Bidentate Ligands. <i>Inorganic Chemistry</i> , 2008, 47, 10729-10738.	4.0	37
122	Luminescent cyanometallates based on phenylpyridine-Ir(III) units: solvatochromism, metalochromism, and energy-transfer in Ir/Ln and Ir/Re complexes. <i>Dalton Transactions</i> , 2012, 41, 2408.	3.3	37
123	Footprinting molecular electrostatic potential surfaces for calculation of solvation energies. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 18262.	2.8	37
124	Sequence-Selective Formation of Synthetic H-Bonded Duplexes. <i>Journal of the American Chemical Society</i> , 2017, 139, 12655-12663.	13.7	37
125	Solvent Effects on Acridine Polymorphism. <i>Crystal Growth and Design</i> , 2010, 10, 1661-1664.	3.0	36
126	H-Bond Self-Assembly: Folding versus Duplex Formation. <i>Journal of the American Chemical Society</i> , 2017, 139, 6654-6662.	13.7	36



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127	A Synthetic Vesicle-to-Vesicle Communication System. <i>Journal of the American Chemical Society</i> , 2019, 141, 17847-17853.	13.7	36
128	Modular assembly of porphyrin sandwiches as potential hosts. <i>Tetrahedron</i> , 2002, 58, 691-697.	1.9	35
129	Metal Hydrides Form Halogen Bonds: Measurement of Energetics of Binding. <i>Journal of the American Chemical Society</i> , 2014, 136, 1288-1291.	13.7	35
130	Homochiral oligomers with highly flexible backbones form stable H-bonded duplexes. <i>Chemical Science</i> , 2017, 8, 206-213.	7.4	35
131	Combined Virtual/Experimental Multicomponent Solid Forms Screening of Sildenafil: New Salts, Cocrystals, and Hybrid Salt-Cocrystals. <i>Crystal Growth and Design</i> , 2018, 18, 7618-7627.	3.0	35
132	Influence of fluorine on aromatic interactions. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1995, 91, 2009.	1.7	34
133	Quantification of Functional Group Interactions in Transition States. <i>Journal of the American Chemical Society</i> , 2003, 125, 9936-9937.	13.7	34
134	Tailbiter: a new amide foldamer. <i>Chemical Communications</i> , 2005, , 3691.	4.1	34
135	Determination of Protein-Ligand Binding Modes Using Complexation-Induced Changes in <sup>1</sup> H NMR Chemical Shift. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 2512-2517.	6.4	34
136	Recognition-Controlled Membrane Translocation for Signal Transduction across Lipid Bilayers. <i>Journal of the American Chemical Society</i> , 2017, 139, 6461-6466.	13.7	34
137	Guest Binding and Catalysis in the Cavity of a Cubic Coordination Cage. <i>Chemistry Letters</i> , 2017, 46, 2-9.	1.3	33
138	Sequence-dependent DNA structure. <i>BioEssays</i> , 1996, 18, 157-162.	2.5	32
139	Use of quantitative <sup>1</sup> H NMR chemical shift changes for ligand docking into barnase. <i>Journal of Biomolecular NMR</i> , 2009, 43, 11-19.	2.8	32
140	Influence of H-Bond Strength on Chelate Cooperativity. <i>Journal of the American Chemical Society</i> , 2011, 133, 20416-20425.	13.7	32
141	H-Bond donor parameters for cations. <i>Chemical Science</i> , 2019, 10, 5943-5951.	7.4	32
142	Sequence information transfer using covalent template-directed synthesis. <i>Chemical Science</i> , 2019, 10, 5258-5266.	7.4	32
143	Influence of Solvent Polarity on Preferential Solvation of Molecular Recognition Probes in Solvent Mixtures. <i>Journal of Physical Chemistry B</i> , 2012, 116, 14433-14440.	2.6	31
144	Solvent effects on chelate cooperativity. <i>Chemical Science</i> , 2012, 3, 589-601.	7.4	31

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145	The flexibilityâ€“complementarity dichotomy in receptorâ€“ligand interactions. <i>Chemical Science</i> , 2015, 6, 1444-1453.	7.4	31
146	An Activatable Cancer-Targeted Hydrogen Peroxide Probe for Photoacoustic and Fluorescence Imaging. <i>Cancer Research</i> , 2019, 79, 5407-5417.	0.9	31
147	Functional group interaction profiles: a general treatment of solvent effects on non-covalent interactions. <i>Chemical Science</i> , 2020, 11, 4456-4466.	7.4	31
148	Contact Mechanics of Nanometer-Scale Molecular Contacts: Correlation between Adhesion, Friction, and Hydrogen Bond Thermodynamics. <i>Journal of the American Chemical Society</i> , 2011, 133, 8625-8632.	13.7	30
149	pH-Controlled selection between one of three guests from a mixture using a coordination cage host. <i>Chemical Science</i> , 2015, 6, 4025-4028.	7.4	30
150	Multivalent recognition of bis- and tris-Zn-porphyrins by N-methylimidazole functionalized gold nanoparticles. <i>Chemical Communications</i> , 2003, , 1004-1005.	4.1	29
151	Transmission of Binding Information across Lipid Bilayers. <i>Chemistry - A European Journal</i> , 2007, 13, 7215-7222.	3.3	29
152	Cooperativity in multiply H-bonded complexes. <i>Chemical Communications</i> , 2009, , 3964.	4.1	29
153	A surface site interaction model for the properties of liquids at equilibrium. <i>Chemical Science</i> , 2013, 4, 1687.	7.4	29
154	The Contrasting Character of Early and Late Transition Metal Fluorides as Hydrogen Bond Acceptors. <i>Journal of the American Chemical Society</i> , 2015, 137, 11820-11831.	13.7	29
155	Mix and match backbones for the formation of H-bonded duplexes. <i>Chemical Science</i> , 2016, 7, 1760-1767.	7.4	29
156	Practicalities and applications of reverse heteronuclear shift correlation: Porphyrin and polysaccharide examples. <i>Magnetic Resonance in Chemistry</i> , 1988, 26, 867-875.	1.9	28
157	Applications of dynamic combinatorial chemistry for the determination of effective molarity. <i>Chemical Science</i> , 2015, 6, 144-151.	7.4	28
158	H-Bonded Duplexes based on a Phenylacetylene Backbone. <i>Journal of the American Chemical Society</i> , 2018, 140, 11526-11536.	13.7	28
159	The roughness of the protein energy landscape results in anomalous diffusion of the polypeptide backbone. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 762-782.	2.8	27
160	Metal-driven self assembly of C3 symmetry molecular cages. <i>Chemical Communications</i> , 2000, , 1087-1088.	4.1	26
161	Replication of Sequence Information in Synthetic Oligomers. <i>Accounts of Chemical Research</i> , 2021, 54, 1298-1306.	15.6	26
162	Comparative analysis of the influence of H-bond strength and solvent on chelate cooperativity in H-bonded supramolecular complexes. <i>Chemical Science</i> , 2012, 3, 2462.	7.4	25

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