# Christopher A Hunter

List of Publications by Year
in descending order

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| 253 | 24,131 | 13827 67 | 7931 149 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 259 | 259 | 259 | 18233 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The nature of .pi.-.pi. interactions. Journal of the American Chemical Society, 1990, 112, 5525-5534. | 6.6 | 4,972 |
| 2 | Aromatic interactions. Perkin Transactions II RSC, 2001, , 651-669. | 1.1 | 1,189 |
| 3 | Quantifying Intermolecular Interactions: Guidelines for the Molecular Recognition Toolbox. Angewandte Chemie - International Edition, 2004, 43, 5310-5324. | 7.2 | 928 |
| 4 | Meldola Lecture. The role of aromatic interactions in molecular recognition. Chemical Society Reviews, 1994, 23, 101. | 18.7 | 873 |
| 5 | What is Cooperativity?. Angewandte Chemie - International Edition, 2009, 48, 7488-7499. | 7.2 | 714 |
| 6 | Ï€-Ï€ interactions: the geometry and energetics of phenylalanine-phenylalanine interactions in proteins. Journal of Molecular Biology, 1991, 218, 837-846. | 2.0 | 616 |
| 7 | Sequence-dependent DNA Structure. Journal of Molecular Biology, 1993, 230, 1025-1054. | 2.0 | 438 |
| 8 | Synthesis and structure elucidation of a new [2]-catenane. Journal of the American Chemical Society, 1992, 114, 5303-5311. | 6.6 | 434 |
| 9 | Molecular Transformer: A Model for Uncertainty-Calibrated Chemical Reaction Prediction. ACS Central Science, 2019, 5, 1572-1583. | 5.3 | 424 |
| 10 | Areneâ€”Arene Interactions: Electrostatic or Charge Transfer?. Angewandte Chemie International Edition in English, 1993, 32, 1584-1586. | 4.4 | 368 |
| 11 | Highly efficient catalysis of the Kemp elimination in the cavity of a cubic coordination cage. Nature Chemistry, 2016, 8, 231-236. | 6.6 | 364 |
| 12 | Supramolecular topology. Tetrahedron, 1999, 55, 5265-5293. | 1.0 | 290 |
| 13 | Electrostatic Control of Aromatic Stacking Interactions. Journal of the American Chemical Society, 2005, 127, 8594-8595. | 6.6 | 287 |
| 14 | Dabco-metalloporphyrin binding: ternary complexes, host-guest chemistry and the measurement of .pi.-.pi. interactions. Journal of the American Chemical Society, 1990, 112, 5773-5780. | 6.6 | 281 |
| 15 | Chemical double-mutant cycles: dissecting non-covalent interactions. Chemical Society Reviews, 2007, 36, 172-188. | 18.7 | 264 |
| 16 | Virtual cocrystal screening. Chemical Science, 2011, 2, 883. | 3.7 | 245 |
| 17 | Substituent effects on aromatic stacking interactions. Organic and Biomolecular Chemistry, 2007, 5, 1062. | 1.5 | 221 |
| 18 | Self-Assembled Porphyrin Polymers. Angewandte Chemie - International Edition, 2000, 39, 764-767. | 7.2 | 210 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Sequence-dependent DNA structure: tetranucleotide conformational maps. Journal of Molecular Biology, 2000, 295, 85-103. | 2.0 | 199 |
| 20 | Coordination Cages Based on Bis(pyrazolylpyridine) Ligands: Structures, Dynamic Behavior, Guest Binding, and Catalysis. Accounts of Chemical Research, 2018, 51, 2073-2082. | 7.6 | 194 |
| 21 | Thermodynamics of induced-fit binding inside polymacrocyclic porphyrin hosts. Journal of the American Chemical Society, 1990, 112, 5780-5789. | 6.6 | 182 |
| 22 | Solvent Effects on Hydrogen Bonding. Angewandte Chemie - International Edition, 2007, 46, 3706-3709. | 7.2 | 179 |
| 23 | Hydrogen bonding vs. halogen bonding: the solvent decides. Chemical Science, 2017, 8, 5392-5398. | 3.7 | 176 |
| 24 | Photoinduced Energy and Electron Transfer in Supramolecular Porphyrin Assemblies. Angewandte Chemie International Edition in English, 1996, 35, 1936-1939. | 4.4 | 172 |
| 25 | Self-Assembly of a Dimeric Porphyrin Host. Angewandte Chemie International Edition in English, 1994, 33, 2313-2316. | 4.4 | 171 |
| 26 | Synthesis and Recognition Properties of Aromatic Amide Oligomers:â€‰ Molecular Zippers. Journal of the American Chemical Society, 2000, 122, 8856-8868. | 6.6 | 162 |
| 27 | Chemical Double-Mutant Cycles for the Measurement of Weak Intermolecular Interactions: Edge-to-Face Aromatic Interactions. Angewandte Chemie International Edition in English, 1996, 35, 1542-1544. | 4.4 | 158 |
| 28 | An AAAAâ€“DDDD quadruple hydrogen-bond array. Nature Chemistry, 2011, 3, 244-248. | 6.6 | 155 |
| 29 | Non-covalent interactions between iodo-perfluorocarbons and hydrogen bond acceptors. Chemical Communications, 2009, , 2005. | 2.2 | 154 |
| 30 | Synthesis of a molecular trefoil knot by folding and closing on an octahedral coordination template. Nature Chemistry, 2010, 2, 218-222. | 6.6 | 150 |
| 31 | Sequence-dependent DNA structure: dinucleotide conformational maps. Journal of Molecular Biology, 2000, 295, 71-83. | 2.0 | 148 |
| 32 | Cooperative Interactions in a Ternary Mixture. Chemistry - A European Journal, 1998, 4, 845-851. | 1.7 | 143 |
| 33 | A Binary Quinone Receptor. Angewandte Chemie International Edition in English, 1992, 31, 792-795. | 4.4 | 133 |
| 34 | Exciton coupling in porphyrin dimers. Chemical Physics, 1989, 133, 395-404. | 0.9 | 125 |
| 35 | A solvent-resistant halogen bond. Chemical Science, 2014, 5, 4179-4183. | 3.7 | 122 |
| 36 | Substituent effects on cation-Â interactions: A quantitative study. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 4873-4876. | 3.3 | 120 |

| # | Article | IF | Citations |
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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. Chemical Science, 2015, 6, 625-631. | 3.7 | 120 |
| 38 | Substituent Effects on Edge-to-Face Aromatic Interactions. Chemistry - A European Journal, 2002, 8, 2847. | 1.7 | 118 |
| 39 | H-Bond Acceptor Parameters for Anions. Journal of the American Chemical Society, 2017, 139, 6700-6706. | 6.6 | 116 |
| 40 | DNA base-stacking interactions: a comparison of theoretical calculations with oligonucleotide X-ray crystal structures. Journal of Molecular Biology, 1997, 265, 603-619. | 2.0 | 114 |
| 41 | Desolvation tips the balance: solvent effects on aromatic interactions. Chemical Communications, 2006, , 3806. | 2.2 | 110 |
| 42 | Self-Assembly of Oligomeric Porphyrin Rings. Organic Letters, 2000, 2, 2435-2438. | 2.4 | 109 |
| 43 | Molecular Acrobatics:Â Self-Assembly of Calixarene-Porphyrin Cages. Journal of the American Chemical Society, 2003, 125, 14181-14189. | 6.6 | 109 |
| 44 | The thermodynamics of self-assembly. Journal of the Chemical Society Chemical Communications, 1995, , 2563. | 2.0 | 102 |
| 45 | Quantification of solvent effects on molecular recognition in polyhedral coordination cage hosts. Chemical Science, 2013, 4, 2744. | 3.7 | 102 |
| 46 | Mapping the Internal Recognition Surface of an Octanuclear Coordination Cage Using Guest Libraries. Journal of the American Chemical Society, 2014, 136, 8475-8483. | 6.6 | 101 |
| 47 | Cooperative Binding at Lipid Bilayer Membrane Surfaces. Journal of the American Chemical Society, 2003, 125, 4593-4599. | 6.6 | 97 |
| 48 | DABCO-Induced Self-Assembly of a Trisporphyrin Double-Decker Cage:Â Thermodynamic Characterization and Guest Recognition. Journal of the American Chemical Society, 2006, 128, 5560-5569. | 6.6 | 96 |
| 49 | Validation of a Computational Cocrystal Prediction Tool: Comparison of Virtual and Experimental Cocrystal Screening Results. Crystal Growth and Design, 2014, 14, 165-171. | 1.4 | 96 |
| 50 | Sequence-dependent DNA structure: the role of the sugar-phosphate backbone 1 1Edited by T. Richmond. Journal of Molecular Biology, 1998, 280, 407-420. | 2.0 | 93 |
| 51 | Knot tied around an octahedral metal centre. Nature, 2001, 411, 763-763. | 13.7 | 91 |
| 52 | Self-assembly of macrocyclic porphyrin oligomers. Journal of the Chemical Society Chemical Communications, 1995, , 2567. | 2.0 | 90 |
| 53 | Quantitative Determination of Intermolecular Interactions with Fluorinated Aromatic Rings. Chemistry - A European Journal, 2001, 7, 3494. | 1.7 | 90 |
| 54 | DABCO-Directed Self-Assembly of Bisporphyrins (DABCO=1,4-Diazabicyclo[2.2.2]octane). Chemistry - A European Journal, 2005, 11, 2196-2206. | 1.7 | 88 |

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|---|---|---|---|
| 55 | Halogen Bonded Supramolecular Assemblies of [Ru(bipy)(CN)<sub>4</sub>]<sup>2â^'</sup> Anions and N-Methyl-Halopyridinium Cations in the Solid State and in Solution. Inorganic Chemistry, 2009, 48, 1666-1677. | 1.9 | 86 |
| 56 | A Supramolecular System for Quantifying Aromatic Stacking Interactions. Chemistry - A European Journal, 2001, 7, 4863-4877. | 1.7 | 83 |
| 57 | Accurate Length Control of Supramolecular Oligomerization:Â Vernier Assemblies. Journal of the American Chemical Society, 2006, 128, 8975-8979. | 6.6 | 82 |
| 58 | Molecular recognition of p-benzoquinone by a macrocyclic host. Journal of the Chemical Society Chemical Communications, 1991, , 749. | 2.0 | 81 |
| 59 | Directed macrocyclisation reactions. Journal of the Chemical Society Chemical Communications, 1994, , 1277. | 2.0 | 78 |
| 60 | An Evaluation of Force-Field Treatments of Aromatic Interactions. Chemistry - A European Journal, 2002, 8, 2860. | 1.7 | 78 |
| 61 | Controlled membrane translocation provides a mechanism for signal transduction and amplification. Nature Chemistry, 2017, 9, 426-430. | 6.6 | 78 |
| 62 | Molecular Zippers. Journal of the American Chemical Society, 1994, 116, 10292-10293. | 6.6 | 76 |
| 63 | Shape-, Size-, and Functional Group-Selective Binding of Small Organic Guests in a Paramagnetic Coordination Cage. Inorganic Chemistry, 2013, 52, 1122-1132. | 1.9 | 75 |
| 64 | Complexation-Induced Changes in1H NMR Chemical Shift for Supramolecular Structure Determination. Chemistry - A European Journal, 1999, 5, 1891-1897. | 1.7 | 73 |
| 65 | Cooperativity, Partially Bound States, and Enthalpy-Entropy Compensation. Chemistry and Biology, 2003, 10, 1023-1032. | 6.2 | 72 |
| 66 | A 1H NMR study of crystal nucleation in solution. CrystEngComm, 2004, 6, 489. | 1.3 | 70 |
| 67 | Self-assembly of zinc aminoporphyrins. New Journal of Chemistry, 1999, 23, 309. | 1.4 | 69 |
| 68 | Influence of Solvent on Aromatic Interactions in Metal Tris-Bipyridine Complexes. Journal of the American Chemical Society, 1998, 120, 3402-3410. | 6.6 | 66 |
| 69 | Cooperativity in the self-assembly of porphyrin ladders. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 3034-3038. | 3.3 | 65 |
| 70 | Selective guest recognition by a self-assembled paramagnetic cage complex. Chemical Communications, 2012, 48, 2752. | 2.2 | 65 |
| 71 | Hydrogen-bond recognition of cyclic dipeptides in water. Chemical Communications, 1998, , 2449-2450. | 2.2 | 63 |
| 72 | The nucleation of inosine: the impact of solution chemistry on the appearance of polymorphic and hydrated crystal forms. Faraday Discussions, 2007, 136, 179. | 1.6 | 63 |

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| 73 | Structural consequences of a molecular assembly that is deficient in hydrogen-bond acceptors. Journal of the Chemical Society Chemical Communications, 1992, , 1134. | 2.0 | 62 |
| 74 | Transmembrane Signalling. Angewandte Chemie - International Edition, 2002, 41, 3878-3881. | 7.2 | 61 |
| 75 | Noncovalent Functionalâ€Groupâ€“Arene Interactions. Angewandte Chemie - International Edition, 2007, 46, 7823-7826. | 7.2 | 61 |
| 76 | How strong is a Ï€-facial hydrogen bond?. Chemical Communications, 1996, , 2531-2532. | 2.2 | 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. Journal of the American Chemical Society, 2007, 129, 4014-4027. | 6.6 | 60 |
| 78 | Desolvation and substituent effects in edge-to-face aromatic interactions. Chemical Communications, 2009, , 3961. | 2.2 | 60 |
| 79 | Sequence-dependent DNA Structure: A Database of Octamer Structural Parameters. Journal of Molecular Biology, 2003, 332, 1025-1035. | 2.0 | 59 |
| 80 | Wechselwirkungen zwischen aromatischen Systemen: Beruhen sie auf elektrostatischen KrÃften oder Chargeâ€Transferâ€Übergängen?. Angewandte Chemie, 1993, 105, 1653-1655. | 1.6 | 58 |
| 81 | Solvent effects of the structures of prenucleation aggregates of carbamazepine. CrystEngComm, 2012, 14, 7115. | 1.3 | 58 |
| 82 | [2]Catenane or not [2]catenane?. Journal of the Chemical Society Chemical Communications, 1995, , 809. | 2.0 | 57 |
| 83 | Experimental Measurement of Noncovalent Interactions Between Halogens and Aromatic Rings. ChemBioChem, 2004, 5, 657-665. | 1.3 | 57 |
| 84 | Relationship between Chemical Structure and Supramolecular Effective Molarity for Formation of Intramolecular H-Bonds. Journal of the American Chemical Society, 2013, 135, 13129-13141. | 6.6 | 57 |
| 85 | Quantification of the Effect of Conformational Restriction on Supramolecular Effective Molarities. Journal of the American Chemical Society, 2013, 135, 1853-1863. | 6.6 | 57 |
| 86 | Amideâ€“aromatic hydrogen-bonds in hostâ€“guest recognition. Chemical Communications, 1996, , 2529-2530. | 2.2 | 56 |
| 87 | 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, 2626-2637. | 1.9 | 55 |
| 88 | Chemical Double Mutant Cycles for the Quantification of Cooperativity in H-Bonded Complexes. Journal of the American Chemical Society, 2009, 131, 18518-18524. | 6.6 | 54 |
| 89 | Triggered Release from Lipid Bilayer Vesicles by an Artificial Transmembrane Signal Transduction System. Journal of the American Chemical Society, 2017, 139, 15768-15773. | 6.6 | 54 |
| 90 | A new approach to the assembly of electron donorâ€“spacerâ€“acceptor systems. Journal of the Chemical Society Chemical Communications, 1989, . | 2.0 | 53 |

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|---|---|---|---|
| 91 | Cooperativity in the assembly of zipper complexes. Chemical Communications, 1996, , 1723. | 2.2 | 53 |
| 92 | Quantitative Measurements of Edge-to-Face Aromatic Interactions by Using Chemical Double-Mutant Cycles. Chemistry - A European Journal, 2001, 7, 4854-4862. | 1.7 | 53 |
| 93 | Preferential Solvation and Hydrogen Bonding in Mixed Solvents. Angewandte Chemie - International Edition, 2008, 47, 6275-6277. | 7.2 | 51 |
| 94 | 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. | 6.6 | 51 |
| 95 | Amplification of Bifunctional Ligands for Calmodulin from a Dynamic Combinatorial Library. Chemistry - A European Journal, 2006, 12, 1081-1087. | 1.7 | 50 |
| 96 | Dissection of Complex Molecular Recognition Interfaces. Journal of the American Chemical Society, 2011, 133, 582-594. | 6.6 | 49 |
| 97 | Virtual Screening Identifies New Cocrystals of Nalidixic Acid. Crystal Growth and Design, 2014, 14, 1749-1755. | 1.4 | 49 |
| 98 | Structureâ€“activity relationship for quantifying aromatic interactionsâ€. Chemical Communications, 1998, , 775-776. | 2.2 | 48 |
| 99 | Molecular Conformation and Crystallization: The Case of Ethenzamide. Crystal Growth and Design, 2012, 12, 6110-6117. | 1.4 | 48 |
| 100 | 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, 19563-19568. | 3.3 | 48 |
| 101 | Relationship Between Conformational Flexibility and Chelate Cooperativity. Journal of Organic Chemistry, 2011, 76, 2723-2732. | 1.7 | 47 |
| 102 | Molecular probes of solvation phenomena. Chemical Society Reviews, 2012, 41, 3485. | 18.7 | 47 |
| 103 | Virtual screening for high affinity guests for synthetic supramolecular receptors. Chemical Science, 2015, 6, 2790-2794. | 3.7 | 46 |
| 104 | Assembly of a photoactive supramolecule using porphyrin co-ordination chemistry. Journal of the Chemical Society Chemical Communications, 1989, , 226. | 2.0 | 45 |
| 105 | Chemische Cyclen mit doppelter Strukturvariation zur Bestimmung schwacher intermolekularer Wechselwirkungen: aromatische Kanteâ€“aufâ€“FlÃcheâ€“Wechselwirkungen. Angewandte Chemie, 1996, 108, 1628-1631. | 1.6 | 45 |
| 106 | Hydrogen bonding properties of non-polar solvents. Organic and Biomolecular Chemistry, 2010, 8, 1455. | 1.5 | 45 |
| 107 | Allosteric ligand binding to cofacial metalloporphyrin dimers: the mechanism of porphyrin disaggregation. Journal of the Chemical Society Perkin Transactions 1, 1989, , 547. | 0.9 | 44 |
| 108 | van der Waals interactions in non-polar liquids. Chemical Science, 2013, 4, 834-848. | 3.7 | 44 |

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| 109 | Evidence for Partially Bound States in Cooperative Molecular Recognition Interfaces. Journal of the American Chemical Society, 2008, 130, 17718-17725. | 6.6 | 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. Dalton Transactions, 2009, , 4023. | 1.6 | 43 |
| 111 | ThX â€“ a next-generation probe for the early detection of amyloid aggregates. Chemical Science, 2020, 11, 4578-4583. | 3.7 | 43 |
| 112 | Polarisation effects on the solvation properties of alcohols. Chemical Science, 2018, 9, 88-99. | 3.7 | 43 |
| 113 | Cooperative duplex formation by synthetic H-bonding oligomers. Chemical Science, 2016, 7, 94-101. | 3.7 | 42 |
| 114 | Azobenzene-porphyrins. Tetrahedron Letters, 1996, 37, 699-702. | 0.7 | 40 |
| 115 | Self-Assembly, Binding, and Dynamic Properties of Heterodimeric Porphyrin Macrocycles. Journal of Organic Chemistry, 2005, 70, 6616-6622. | 1.7 | 39 |
| 116 | Cocrystals of spironolactone and griseofulvin based on an in silico screening method. CrystEngComm, 2017, 19, 3592-3599. | 1.3 | 39 |
| 117 | Photoinduced electron transfer on a supramolecular scaffold. Chemical Communications, 1996, , 1361. | 2.2 | 38 |
| 118 | Fac and mer isomers of Ru(<scp>ii</scp>) tris(pyrazolyl-pyridine) complexes as models for the vertices of coordination cages: structural characterisation and hydrogen-bonding characteristics. Dalton Transactions, 2014, 43, 71-84. | 1.6 | 38 |
| 119 | The role of the counteranion in the cation-Ï€ interaction. Chemical Communications, 2003, , 834-835. | 2.2 | 37 |
| 120 | From structure to chemical shift and vice-versa. Progress in Nuclear Magnetic Resonance Spectroscopy, 2005, 47, 27-39. | 3.9 | 37 |
| 121 | Factors Influencing Tetranuclear [2 Ã— 2] Grid vs Dinuclear Side-by-Side Structures for Silver(I) Complexes of Pyridazine-Based Bis-Bidentate Ligands. Inorganic Chemistry, 2008, 47, 10729-10738. | 1.9 | 37 |
| 122 | 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. | 1.6 | 37 |
| 123 | Footprinting molecular electrostatic potential surfaces for calculation of solvation energies. Physical Chemistry Chemical Physics, 2013, 15, 18262. | 1.3 | 37 |
| 124 | Sequence-Selective Formation of Synthetic H-Bonded Duplexes. Journal of the American Chemical Society, 2017, 139, 12655-12663. | 6.6 | 37 |
| 125 | Solvent Effects on Acridine Polymorphism. Crystal Growth and Design, 2010, 10, 1661-1664. | 1.4 | 36 |
| 126 | H-Bond Self-Assembly: Folding versus Duplex Formation. Journal of the American Chemical Society, 2017, 139, 6654-6662. | 6.6 | 36 |

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| 127 | A Synthetic Vesicle-to-Vesicle Communication System. Journal of the American Chemical Society, 2019, 141, 17847-17853. | 6.6 | 36 |
| 128 | Modular assembly of porphyrin sandwiches as potential hosts. Tetrahedron, 2002, 58, 691-697. | 1.0 | 35 |
| 129 | Metal Hydrides Form Halogen Bonds: Measurement of Energetics of Binding. Journal of the American Chemical Society, 2014, 136, 1288-1291. | 6.6 | 35 |
| 130 | Homochiral oligomers with highly flexible backbones form stable H-bonded duplexes. Chemical Science, 2017, 8, 206-213. | 3.7 | 35 |
| 131 | Combined Virtual/Experimental Multicomponent Solid Forms Screening of Sildenafil: New Salts, Cocrystals, and Hybrid Saltâ€“Cocrystals. Crystal Growth and Design, 2018, 18, 7618-7627. | 1.4 | 35 |
| 132 | Influence of fluorine on aromatic interactions. Journal of the Chemical Society, Faraday Transactions, 1995, 91, 2009. | 1.7 | 34 |
| 133 | Quantification of Functional Group Interactions in Transition States. Journal of the American Chemical Society, 2003, 125, 9936-9937. | 6.6 | 34 |
| 134 | Tailbiter: a new amide foldamer. Chemical Communications, 2005, , 3691. | 2.2 | 34 |
| 135 | Determination of Proteinâ€“Ligand Binding Modes Using Complexation-Induced Changes in 1H NMR Chemical Shift. Journal of Medicinal Chemistry, 2008, 51, 2512-2517. | 2.9 | 34 |
| 136 | Recognition-Controlled Membrane Translocation for Signal Transduction across Lipid Bilayers. Journal of the American Chemical Society, 2017, 139, 6461-6466. | 6.6 | 34 |
| 137 | Guest Binding and Catalysis in the Cavity of a Cubic Coordination Cage. Chemistry Letters, 2017, 46, 2-9. | 0.7 | 33 |
| 138 | Sequence-dependent DNA structure. BioEssays, 1996, 18, 157-162. | 1.2 | 32 |
| 139 | Use of quantitative 1H NMR chemical shift changes for ligand docking into barnase. Journal of Biomolecular NMR, 2009, 43, 11-19. | 1.6 | 32 |
| 140 | Influence of H-Bond Strength on Chelate Cooperativity. Journal of the American Chemical Society, 2011, 133, 20416-20425. | 6.6 | 32 |
| 141 | H-Bond donor parameters for cations. Chemical Science, 2019, 10, 5943-5951. | 3.7 | 32 |
| 142 | Sequence information transfer using covalent template-directed synthesis. Chemical Science, 2019, 10, 5258-5266. | 3.7 | 32 |
| 143 | Influence of Solvent Polarity on Preferential Solvation of Molecular Recognition Probes in Solvent Mixtures. Journal of Physical Chemistry B, 2012, 116, 14433-14440. | 1.2 | 31 |
| 144 | Solvent effects on chelate cooperativity. Chemical Science, 2012, 3, 589-601. | 3.7 | 31 |

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| 145 | The flexibilityâ€“complementarity dichotomy in receptorâ€“ligand interactions. Chemical Science, 2015, 6, 1444-1453. | 3.7 | 31 |
| 146 | An Activatable Cancer-Targeted Hydrogen Peroxide Probe for Photoacoustic and Fluorescence Imaging. Cancer Research, 2019, 79, 5407-5417. | 0.4 | 31 |
| 147 | Functional group interaction profiles: a general treatment of solvent effects on non-covalent interactions. Chemical Science, 2020, 11, 4456-4466. | 3.7 | 31 |
| 148 | Contact Mechanics of Nanometer-Scale Molecular Contacts: Correlation between Adhesion, Friction, and Hydrogen Bond Thermodynamics. Journal of the American Chemical Society, 2011, 133, 8625-8632. | 6.6 | 30 |
| 149 | pH-Controlled selection between one of three guests from a mixture using a coordination cage host. Chemical Science, 2015, 6, 4025-4028. | 3.7 | 30 |
| 150 | Multivalent recognition of bis- and tris-Zn-porphyrins by N-methylimidazole functionalized gold nanoparticles. Chemical Communications, 2003, , 1004-1005. | 2.2 | 29 |
| 151 | Transmission of Binding Information across Lipid Bilayers. Chemistry - A European Journal, 2007, 13, 7215-7222. | 1.7 | 29 |
| 152 | Cooperativity in multiply H-bonded complexes. Chemical Communications, 2009, , 3964. | 2.2 | 29 |
| 153 | A surface site interaction model for the properties of liquids at equilibrium. Chemical Science, 2013, 4, 1687. | 3.7 | 29 |
| 154 | The Contrasting Character of Early and Late Transition Metal Fluorides as Hydrogen Bond Acceptors. Journal of the American Chemical Society, 2015, 137, 11820-11831. | 6.6 | 29 |
| 155 | Mix and match backbones for the formation of H-bonded duplexes. Chemical Science, 2016, 7, 1760-1767. | 3.7 | 29 |
| 156 | Practicalities and applications of reverse heteronuclear shift correlation: Porphyrin and polysaccharide examples. Magnetic Resonance in Chemistry, 1988, 26, 867-875. | 1.1 | 28 |
| 157 | Applications of dynamic combinatorial chemistry for the determination of effective molarity. Chemical Science, 2015, 6, 144-151. | 3.7 | 28 |
| 158 | H-Bonded Duplexes based on a Phenylacetylene Backbone. Journal of the American Chemical Society, 2018, 140, 11526-11536. | 6.6 | 28 |
| 159 | The roughness of the protein energy landscape results in anomalous diffusion of the polypeptide backbone. Physical Chemistry Chemical Physics, 2015, 17, 762-782. | 1.3 | 27 |
| 160 | Metal-driven self assembly of C3 symmetry molecular cages. Chemical Communications, 2000, , 1087-1088. | 2.2 | 26 |
| 161 | Replication of Sequence Information in Synthetic Oligomers. Accounts of Chemical Research, 2021, 54, 1298-1306. | 7.6 | 26 |
| 162 | Comparative analysis of the influence of H-bond strength and solvent on chelate cooperativity in H-bonded supramolecular complexes. Chemical Science, 2012, 3, 2462. | 3.7 | 25 |

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|---|---|---|---|
| 163 | 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. | 1.2 | 25 |
| 164 | Sequenceâ˜'Structure Relationships in DNA Oligomers:Â A Computational Approach. Journal of the American Chemical Society, 2001, 123, 7399-7406. | 6.6 | 24 |
| 165 | Chemical Triple-Mutant Boxes for Quantifying Cooperativity in Intermolecular Interactions. Chemistry - A European Journal, 2002, 8, 5435-5446. | 1.7 | 22 |
| 166 | Dendrimers as scaffolds for the synthesis of spherical porphyrin arrays. Chemical Communications, 2003, , 38-39. | 2.2 | 22 |
| 167 | Photomodulated molecular recognition of the guanidinium cationElectronic supplementary information (ESI) available: UV/visible absorption spectra of 1, showing changes observed on irradiation at 345 nm and thermal recovery of the original spectrum. See http://www.rsc.org/suppdata/cc/b3/b311060e/. Chemical Communications, 2004, , 108. | 2.2 | 22 |
| 168 | A thermodynamic study of selective solvation in solvent mixtures. Organic and Biomolecular Chemistry, 2010, 8, 1943. | 1.5 | 22 |
| 169 | Substituent effects on aromatic interactions in the solid state. Chemical Communications, 2001, , 1500-1501. | 2.2 | 21 |
| 170 | The role of functional group concentration in solvation thermodynamics. Chemical Science, 2010, 1, 242. | 3.7 | 21 |
| 171 | Relationship Between Molecular Contact Thermodynamics and Surface Contact Mechanics. Langmuir, 2012, 28, 17709-17717. | 1.6 | 21 |
| 172 | Influence of non-covalent preorganization on supramolecular effective molarities. Organic and Biomolecular Chemistry, 2015, 13, 4981-4992. | 1.5 | 21 |
| 173 | H-bond competition experiments in solution and the solid state. CrystEngComm, 2016, 18, 394-397. | 1.3 | 21 |
| 174 | Ultrasound-induced gelation of a giant macrocycle. Chemical Communications, 2018, 54, 10874-10877. | 2.2 | 21 |
| 175 | Building blocks for recognition-encoded oligoesters that form H-bonded duplexes. Chemical Science, 2019, 10, 2444-2451. | 3.7 | 21 |
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