

# P Shing Ho

## List of Publications by Year in descending order

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40  
papers

5,735  
citations

236925

25  
h-index

289244

40  
g-index

40  
all docs

40  
docs citations

40  
times ranked

5047  
citing authors

#	ARTICLE	IF	CITATIONS
1	Definition of the halogen bond (IUPAC Recommendations 2013). <i>Pure and Applied Chemistry</i> , 2013, 85, 1711-1713.	1.9	1,554
2	Halogen bonds in biological molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 16789-16794.	7.1	1,469
3	Halogen bonds as orthogonal molecular interactions to hydrogen bonds. <i>Nature Chemistry</i> , 2009, 1, 74-79.	13.6	383
4	Halogen bonding (X $\cdots$ bonding): A biological perspective. <i>Protein Science</i> , 2013, 22, 139-152.	7.6	376
5	Directing macromolecular conformation through halogen bonds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 6188-6193.	7.1	328
6	Occurrence of potential cruciform and H-DNA forming sequences in genomic DNA. <i>Nucleic Acids Research</i> , 1995, 23, 1977-1983.	14.5	157
7	The Role of Halogen Bonding in Inhibitor Recognition and Binding by Protein Kinases. <i>Current Topics in Medicinal Chemistry</i> , 2007, 7, 1336-1348.	2.1	155
8	How sequence defines structure: A crystallographic map of DNA structure and conformation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 7157-7162.	7.1	133
9	Computational Tools To Model Halogen Bonds in Medicinal Chemistry. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 1655-1670.	6.4	119
10	Mass Spectrometric Approaches Using Electrospray Ionization Charge States and Hydrogen-Deuterium Exchange for Determining Protein Structures and Their Conformational Changes. <i>Molecular and Cellular Proteomics</i> , 2004, 3, 10-23.	3.8	87
11	Scalable Anisotropic Shape and Electrostatic Models for Biological Bromine Halogen Bonds. <i>Journal of Chemical Theory and Computation</i> , 2012, 8, 2461-2473.	5.3	77
12	Increasing Enzyme Stability and Activity through Hydrogen Bond-Enhanced Halogen Bonds. <i>Biochemistry</i> , 2018, 57, 4135-4147.	2.5	74
13	Distributions of Z-DNA and nuclear factor I in human chromosome 22: a model for coupled transcriptional regulation. <i>Nucleic Acids Research</i> , 2004, 32, 6501-6510.	14.5	70
14	Enthalpy $\cdots$ Entropy Compensation in Biomolecular Halogen Bonds Measured in DNA Junctions. <i>Biochemistry</i> , 2013, 52, 4891-4903.	2.5	59
15	Effect of Sequence on the Conformation of DNA Holliday Junctions $\cdots$ . <i>Biochemistry</i> , 2003, 42, 9586-9597.	2.5	57
16	Structure $\cdots$ Energy Relationships of Halogen Bonds in Proteins. <i>Biochemistry</i> , 2017, 56, 2794-2802.	2.5	54
17	The extended and eccentric E-DNA structure induced by cytosine methylation or bromination. <i>Nature Structural Biology</i> , 2000, 7, 758-761.	9.7	53
18	Phylogenomic analysis of the emergence of GC-rich transcription elements. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 16528-16533.	7.1	49

#	ARTICLE	IF	CITATIONS
19	Caution! DNA Crossing: Crystal Structures of Holliday Junctions. <i>Journal of Biological Chemistry</i> , 2003, 278, 49663-49666.	3.4	45
20	Assaying the Energies of Biological Halogen Bonds. <i>Crystal Growth and Design</i> , 2011, 11, 5087-5095.	3.0	45
21	Relationships between hydrogen bonds and halogen bonds in biological systems. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2017, 73, 255-264.	1.1	44
22	Force Field Model of Periodic Trends in Biomolecular Halogen Bonds. <i>Journal of Physical Chemistry B</i> , 2015, 119, 9140-9149.	2.6	43
23	The stacked-X DNA Holliday junction and protein recognition. <i>Journal of Molecular Recognition</i> , 2006, 19, 234-242.	2.1	40
24	Definitions and analysis of DNA Holliday junction geometry. <i>Nucleic Acids Research</i> , 2004, 32, 3017-3027.	14.5	39
25	Biomolecular Halogen Bonds. <i>Topics in Current Chemistry</i> , 2014, 358, 241-276.	4.0	38
26	A Rare Nucleotide Base Tautomer in the Structure of an Asymmetric DNA Junction. <i>Biochemistry</i> , 2009, 48, 7824-7832.	2.5	24
27	The Effect of Cytosine Methylation on the Structure and Geometry of the Holliday Junction. <i>Journal of Biological Chemistry</i> , 2002, 277, 21041-21049.	3.4	23
28	Sulfur as an Acceptor to Bromine in Biomolecular Halogen Bonds. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 4246-4252.	4.6	23
29	Intramolecular Interactions in Chemically Modified <i>Escherichia coli</i> Thioredoxin Monitored by Hydrogen/Deuterium Exchange and Electrospray Ionization Mass Spectrometry. <i>Biochemistry</i> , 2001, 40, 14413-14421.	2.5	19
30	Solution Formation of Holliday Junctions in Inverted-Repeat DNA Sequences. <i>Biochemistry</i> , 2006, 45, 2467-2471.	2.5	18
31	Thermogenomics: Thermodynamic-based approaches to genomic analyses of DNA structure. <i>Methods</i> , 2009, 47, 159-167.	3.8	17
32	Structure of the Holliday junction: applications beyond recombination. <i>Biochemical Society Transactions</i> , 2017, 45, 1149-1158.	3.4	17
33	A Biological Take on Halogen Bonding and Other Non-Classical Non-Covalent Interactions. <i>Chemical Record</i> , 2021, 21, 1240-1251.	5.8	13
34	Phosphoinositide binding regulates $\hat{I}$ -actinin CH2 domain structure: Analysis by hydrogen/deuterium exchange mass spectrometry. <i>Protein Science</i> , 2007, 16, 2597-2604.	7.6	10
35	Effect of Hydroxymethylcytosine on the Structure and Stability of Holliday Junctions. <i>Biochemistry</i> , 2016, 55, 5781-5789.	2.5	6
36	A Reduced Generalized Force Field for Biological Halogen Bonds. <i>Journal of Chemical Theory and Computation</i> , 2021, 17, 5369-5378.	5.3	5

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37	Influence of Minor Groove Substituents on the Structure of DNA Holliday Junctions. <i>Biochemistry</i> , 2004, 43, 9813-9822.	2.5	4
38	Detailed mechanism for transposition by TnpA transposase involves DNA shape rather than direct protein-DNA recognition to generate an active nucleoprotein complex. <i>F1000 Biology Reports</i> , 2009, 1, 37.	4.0	4
39	Response to Ng and Dickerson. <i>Nature Structural Biology</i> , 2001, 8, 107-108.	9.7	3
40	Structural adaptation of vertebrate endonuclease G for 5-hydroxymethylcytosine recognition and function. <i>Nucleic Acids Research</i> , 2020, 48, 3962-3974.	14.5	1