Andrew P Herbert

List of Publications by Year
in descending order

48	2,872	218381	264894
papers	citations	26 h-index	42 g-index

66	66	66	2473
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Association of factor H autoantibodies with deletions of CFHR1, CFHR3, CFHR4, and with mutations in CFH, CFI, CD46, and C3 in patients with atypical hemolytic uremic syndrome. Blood, 2010, 115, 379-387.	0.6	330
2	Structural basis for sialic acidâ€“mediated self-recognition by complement factor H. Nature Chemical Biology, 2015, 11, 77-82.	3.9	232
3	Structural basis for engagement by complement factor H of C3b on a self surface. Nature Structural and Molecular Biology, 2011, 18, 463-470.	3.6	220
4	A New Map of Glycosaminoglycan and C3b Binding Sites on Factor H. Journal of Immunology, 2008, 181, 2610-2619.	0.4	173
5	Structural basis for complement factor Hâ€“linked age-related macular degeneration. Journal of Experimental Medicine, 2007, 204, 2277-2283.	4.2	168
6	The Binding of Factor H to a Complex of Physiological Polyanions and C3b on Cells Is Impaired in Atypical Hemolytic Uremic Syndrome. Journal of Immunology, 2009, 182, 7009-7018.	0.4	158
7	Critical Role of the C-Terminal Domains of Factor H in Regulating Complement Activation at Cell Surfaces. Journal of Immunology, 2006, 177, 6308-6316.	0.4	138
8	Tissue-Specific Host Recognition by Complement Factor H Is Mediated by Differential Activities of Its Glycosaminoglycan-Binding Regions. Journal of Immunology, 2013, 190, 2049-2057.	0.4	133
9	Translational Mini-Review Series on Complement Factor H: Structural and functional correlations for factor H. Clinical and Experimental Immunology, 2007, 151, 14-24.	1.1	125
10	Functional Anatomy of Complement Factor H. Biochemistry, 2013, 52, 3949-3962.	1.2	106
11	Structure Shows That a Glycosaminoglycan and Protein Recognition Site in Factor H Is Perturbed by Age-related Macular Degeneration-linked Single Nucleotide Polymorphism. Journal of Biological Chemistry, 2007, 282, 18960-18968.	1.6	101
12	Disease-associated Sequence Variations Congregate in a Polyanion Recognition Patch on Human Factor H Revealed in Three-dimensional Structure. Journal of Biological Chemistry, 2006, 281, 16512-16520.	1.6	86
13	Combination of Factor H Mutation and Properdin Deficiency Causes Severe C3 Glomerulonephritis. Journal of the American Society of Nephrology: JASN, 2013, 24, 53-65.	3.0	82
14	Factor H autoantibodies in membranoproliferative glomerulonephritis. Molecular Immunology, 2012, 52, 200-206.	1.0	69
15	A Molecular Insight into Complement Evasion by the Staphylococcal Complement Inhibitor Protein Family. Journal of Immunology, 2009, 183, 2565-2574.	0.4	63
16	Annexin-II, DNA, and Histones Serve as Factor H Ligands on the Surface of Apoptotic Cells. Journal of Biological Chemistry, 2010, 285, 3766-3776.	1.6	62
17	Structure of the N-terminal Region of Complement Factor H and Conformational Implications of Disease-linked Sequence Variations. Journal of Biological Chemistry, 2008, 283, 9475-9487.	1.6	58
18	Complement Evasion Mediated by Enhancement of Captured Factor H: Implications for Protection of Self-Surfaces from Complement. Journal of Immunology, 2015, 195, 4986-4998.	0.4	58

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19	The Central Portion of Factor H (Modules 10â€“15) Is Compact and Contains a Structurally Deviant CCP Module. Journal of Molecular Biology, 2010, 395, 105-122.	2.0	51
20	The structure of the KlcA and ArdB proteins reveals a novel fold and antirestriction activity against Type I DNA restriction systems in vivo but not in vitro. Nucleic Acids Research, 2010, 38, 1723-1737.	6.5	50
21	An Engineered Complement Factor H Construct for Treatment of C3 Glomerulopathy. Journal of the American Society of Nephrology: JASN, 2018, 29, 1649-1661.	3.0	41
22	Characterization of a Factor H Mutation That Perturbs the Alternative Pathway of Complement in a Family with Membranoproliferative GN. Journal of the American Society of Nephrology: JASN, 2014, 25, 2425-2433.	3.0	40
23	Structural Analysis of the C-Terminal Region (Modules 18â€“20) of Complement Regulator Factor H (FH). PLoS ONE, 2012, 7, e32187.	1.1	39
24	Molecular Basis of the Interaction between Complement Receptor Type 2 (CR2/CD21) and Epstein-Barr Virus Glycoprotein gp350. Journal of Virology, 2008, 82, 11217-11227.	1.5	35
25	Lysine and Arginine Side Chains in Glycosaminoglycanâ^'Protein Complexes Investigated by NMR, Cross-Linking, and Mass Spectrometry: A Case Study of the Factor Hâ^'Heparin Interaction. Journal of the American Chemical Society, 2010, 132, 6374-6381.	6.6	34
26	Disease-linked mutations in factor H reveal pivotal role of cofactor activity in self-surfaceâ€“selective regulation of complement activation. Journal of Biological Chemistry, 2017, 292, 13345-13360.	1.6	28
27	Complement Factor H Autoantibodies and Age-Related Macular Degeneration. , 2010, 51, 5858.		27
28	Structural and Functional Characterization of the Product of Disease-Related Factor H Gene Conversion. Biochemistry, 2012, 51, 1874-1884.	1.2	26
29	Solution Structure of CCP Modules 10â€“12 Illuminates Functional Architecture of the Complement Regulator, Factor H. Journal of Molecular Biology, 2012, 424, 295-312.	2.0	24
30	NMR Structure of Hsp12, a Protein Induced by and Required for Dietary Restriction-Induced Lifespan Extension in Yeast. PLoS ONE, 2012, 7, e41975.	1.1	21
31	Factor H C-Terminal Domains Are Critical for Regulation of Platelet/Granulocyte Aggregate Formation. Frontiers in Immunology, 2017, 8, 1586.	2.2	14
32	Opportunities for New Therapies Based on the Natural Regulators of Complement Activation. Annals of the New York Academy of Sciences, 2005, 1056, 176-188.	1.8	12
33	Creating functional sophistication from simple protein building blocks, exemplified by factor H and the regulators of complement activation. Biochemical Society Transactions, 2015, 43, 812-818.	1.6	12
34	Three-dimensional structure and flexibility of proteins of the RCA family â€" a progress report. Biochemical Society Transactions, 2002, 30, 990-996.	1.6	11
35	Murine Factor H Co-Produced in Yeast With Protein Disulfide Isomerase Ameliorated C3 Dysregulation in Factor H-Deficient Mice. Frontiers in Immunology, 2021, 12, 681098.	2.2	8
36	Crystallographic determination of the disease-associated T1184R variant of complement regulator factor H. Acta Crystallographica Section D: Biological Crystallography, 2011, 67, 593-600.	2.5	7

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37	Solution NMR Structure of the Ca2+-bound N-terminal Domain of CaBP7. Journal of Biological Chemistry, 2012, 287, 38231-38243.	1.6	7
38	Structural basis and functional effects of the interaction between complement inhibitor C4b-binding protein and DNA. Molecular Immunology, 2008, 46, 62-69.	1.0	6
39	Disease-Associated Sequence Variations in Factor H: A Structural Biology Approach. , 2006, 586, 313-327.		5
40	A Novel Full-Length Recombinant Human Complement Factor H (CFH; GEM103) for the Treatment of Age-Related Macular Degeneration Shows Similar InÂVitro Functional Activity to Native CFH. Current Eye Research, 2022, 47, 1087-1093.	0.7	5
41	1H, 15N and 13C resonance assignment of the pair of Factor-I like modules of the complement protein C7. Biomolecular NMR Assignments, 2009, 3, 49-52.	0.4	4
42	Structure of the complement regulatory N-terminal region of factor H: Implications for disease. Molecular Immunology, 2007, 44, 3929.	1.0	1
43	Towards a structural basis for complement factor H linked age-related macular degeneration. Molecular Immunology, 2007, 44, 3930-3931.	1.0	1
44	Unravelling the complexities of factor H action on self-surfaces. Molecular Immunology, 2007, 44, 3987-3988.	1.0	0
45	Structural basis of the complement receptor type 2 (CR2/CD21) SCR1â€“2-Epstein-Barr virus envelope protein gp350/220 interaction. Molecular Immunology, 2008, 45, 4119-4120.	1.0	0
46	Ligands for C1q and factor H on the surface of apoptotic cells. Molecular Immunology, 2010, 47, 2252-2252.	1.0	0
47	Familial membranoproliferative glomerulonephritis type I associated with a functionally significant mutation in complement factor H. Immunobiology, 2012, 217, 1171.	0.8	0
48	Structural characterization of the N-terminal region of Streptococcus pneumonia surface protein C. Immunobiology, 2012, 217, 1205.	0.8	0