Peter F Zipfel

List of Publications by Year
in descending order

239 papers	19,502 citations	7096 78 h-index	14208 128 g-index
264 all docs	264 docs citations	264 times ranked	12010 citing authors

#	Article	IF	Citations
1	Complement regulators and inhibitory proteins. Nature Reviews Immunology, 2009, 9, 729-740.	22.7	1,078
2	Relative Role of Genetic Complement Abnormalities in Sporadic and Familial aHUS and Their Impact on Clinical Phenotype. Clinical Journal of the American Society of Nephrology: CJASN, 2010, 5, 1844-1859.	4.5	818
3	Complement factor H binds malondialdehyde epitopes and protects from oxidative stress. Nature, 2011, 478, 76-81.	27.8	469
4	Membranoproliferative Glomerulonephritis Type II (Dense Deposit Disease). Journal of the American Society of Nephrology: JASN, 2005, 16, 1392-1403.	6.1	354
5	Factor H autoantibodies in atypical hemolytic uremic syndrome correlate with CFHR1/CFHR3 deficiency. Blood, 2008, 111, 1512-1514.	1.4	332
6	Mutations in factor H reduce binding affinity to C3b and heparin and surface attachment to endothelial cells in hemolytic uremic syndrome. Journal of Clinical Investigation, 2003, 111, 1181-1190.	8.2	315
7	Deletion of Complement Factor Hâ€“Related Genes CFHR1 and CFHR3 Is Associated with Atypical Hemolytic Uremic Syndrome. PLoS Genetics, 2007, 3, e41.	3.5	285
8	The Molecular Basis of Familial Hemolytic Uremic Syndrome. Journal of the American Society of Nephrology: JASN, 2001, 12, 297-307.	6.1	263
9	Factor Hâ€“related protein 1 (CFHR-1) inhibits complement C5 convertase activity and terminal complex formation. Blood, 2009, 114, 2439-2447.	1.4	241
10	Atypical aHUS: State of the art. Molecular Immunology, 2015, 67, 31-42.	2.2	236
11	New Approaches to the Treatment of Dense Deposit Disease. Journal of the American Society of Nephrology: JASN, 2007, 18, 2447-2456.	6.1	231
12	Factor H family proteins and human diseases. Trends in Immunology, 2008, 29, 380-387.	6.8	230
13	C3 glomerulopathy â€" understanding a rare complement-driven renal disease. Nature Reviews Nephrology, 2019, 15, 129-143.	9.6	223
14	Antiâ€“factor H autoantibodies block C-terminal recognition function of factor H in hemolytic uremic syndrome. Blood, 2007, 110, 1516-1518.	1.4	222
15	Further Characterization of Complement Regulator-Acquiring Surface Proteins of Borrelia burgdorferi. Infection and Immunity, 2001, 69, 7800-7809.	2.2	221
16	Complement Resistance of Borrelia burgdorferi Correlates with the Expression of BbCRASP-1, a Novel Linear Plasmid-encoded Surface Protein That Interacts with Human Factor H and FHL-1 and Is Unrelated to Erp Proteins. Journal of Biological Chemistry, 2004, 279, 2421-2429.	3.4	218
17	Immune Evasion of the Human Pathogen Pseudomonas aeruginosa: Elongation Factor Tuf Is a Factor H and Plasminogen Binding Protein. Journal of Immunology, 2007, 179, 2979-2988.	0.8	211
18	Complement and diseases: Defective alternative pathway control results in kidney and eye diseases. Molecular Immunology, 2006, 43, 97-106.	2.2	205

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19	ApoE attenuates unresolvable inflammation by complex formation with activated C1q. Nature Medicine, 2019, 25, 496-506.	30.7	200
20	Candida albicans Scavenges Host Zinc via Pra1 during Endothelial Invasion. PLoS Pathogens, 2012, 8, e1002777.	4.7	197
21	Streptococcus pneumoniaeEvades Complement Attack and Opsonophagocytosis by Expressing thepspCLocus-Encoded Hic Protein That Binds to Short Consensus Repeats 8â€“11 of Factor H. Journal of Immunology, 2002, 168, 1886-1894.	0.8	195
22	Each of the Three Binding Sites on Complement Factor H Interacts with a Distinct Site on C3b. Journal of Biological Chemistry, 2000, 275, 27657-27662.	3.4	191
23	Defective complement control of Factor H (Y402H) and FHL-1 in age-related macular degeneration. Molecular Immunology, 2007, 44, 3398-3406.	2.2	181
24	The factor H protein family. Immunopharmacology, 1999, 42, 53-60.	2.0	180
25	Glomeruli of Dense Deposit Disease contain components of the alternative and terminal complement pathway. Kidney International, 2009, 75, 952-960.	5.2	178
26	An imbalance of human complement regulatory proteins CFHR1, CFHR3 and factor H influences risk for age-related macular degeneration (AMD). Human Molecular Genetics, 2010, 19, 4694-4704.	2.9	178
27	LfhA, a Novel Factor H-Binding Protein of Leptospira interrogans. Infection and Immunity, 2006, 74, 2659-2666.	2.2	165
28	The interactive Factor H-atypical hemolytic uremic syndrome mutation database and website: update and integration of membrane cofactor protein and Factor I mutations with structural models. Human Mutation, 2007, 28, 222-234.	2.5	160
29	Plasminogen Is a Complement Inhibitor. Journal of Biological Chemistry, 2012, 287, 18831-18842.	3.4	157
30	Mapping of the domains required for decay acceleration activity of the human factor Hâ€like protein 1 and factor H. European Journal of Immunology, 1996, 26, 2383-2387.	2.9	156
31	Complement evasion of pathogens: Common strategies are shared by diverse organisms. Molecular Immunology, 2007, 44, 3850-3857.	2.2	150
32	Complement factor H and related proteins: an expanding family of complement-regulatory proteins?. Trends in Immunology, 1994, 15, 121-126.	7.5	148
33	FHL-1/reconectin: a human complement and immune regulator with cell-adhesive function. Trends in Immunology, 1999, 20, 135-140.	7.5	148
34	Immune evasion of Borrelia burgdorferi: mapping of a complement-inhibitor factor H-binding site of BbCRASP-3, a novel member of the Erp protein family. European Journal of Immunology, 2003, 33, 697-707.	2.9	147
35	The C-terminus of complement regulator Factor H mediates target recognition: evidence for a compact conformation of the native protein. Clinical and Experimental Immunology, 2006, 144, 342-352.	2.6	147
36	De novo gene conversion in the RCA gene cluster (1q32) causes mutations in complement factor H associated with atypical hemolytic uremic syndrome. Human Mutation, 2006, 27, 292-293.	2.5	143

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37	The Staphylococcus aureus Protein Sbi Acts as a Complement Inhibitor and Forms a Tripartite Complex with Host Complement Factor H and C3b. PLoS Pathogens, 2008, 4, e1000250.	4.7	139
38	Complement Inhibitor Eculizumab in Atypical Hemolytic Uremic Syndrome. Clinical Journal of the American Society of Nephrology: CJASN, 2009, 4, 1312-1316.	4.5	137
39	The yeast Candida albicans evades human complement attack by secretion of aspartic proteases. Molecular Immunology, 2009, 47, 465-475.	2.2	130
40	Factor H dysfunction in patients with atypical hemolytic uremic syndrome contributes to complement deposition on platelets and their activation. Blood, 2008, 111, 5307-5315.	1.4	128
41	Interaction of phagocytes with filamentous fungi. Current Opinion in Microbiology, 2010, 13, 409-415.	5.1	122
42	Gpm1p Is a Factor H-, FHL-1-, and Plasminogen-binding Surface Protein of Candida albicans. Journal of Biological Chemistry, 2007, 282, 37537-37544.	3.4	120
43	Human complement control and complement evasion by pathogenic microbes â€“ Tipping the balance. Molecular Immunology, 2013, 56, 152-160.	2.2	119
44	Functional properties of complement factor H-related proteins FHR-3 and FHR-4: binding to the C3d region of C3b and differential regulation by heparin. FEBS Letters, 1999, 462, 345-352.	2.8	118
45	The Host Immune Regulator Factor H Interacts via Two Contact Sites with the PspC Protein of Streptococcus pneumoniae and Mediates Adhesion to Host Epithelial Cells. Journal of Immunology, 2007, 178, 5848-5858.	0.8	118
46	Complement and immune defense: From innate immunity to human diseases. Immunology Letters, 2009, 126, 1-7.	2.5	116
47	Factor H and Atypical Hemolytic Uremic Syndrome: Mutations in the C-Terminus Cause Structural Changes and Defective Recognition Functions. Journal of the American Society of Nephrology: JASN, 2006, 17, 170-177.	6.1	115
48	Successful plasma therapy for atypical hemolytic uremic syndrome caused by factor H deficiency owing to a novel mutation in the complement cofactor protein domain 15. American Journal of Kidney Diseases, 2005, 45, 415-421.	1.9	113
49	Binding of Human Factor Hâ€“Related Protein 1 to Serumâ€ResistantBorrelia burgdorferiIs Mediated by Borrelial Complement Regulatorâ€“Acquiring Surface Proteins. Journal of Infectious Diseases, 2007, 196, 124-133.	4.0	112
50	The baculovirus expression vector pBSV-8His directs secretion of histidine-tagged proteins. Gene, 1995, 162, 225-229.	2.2	110
51	Complement C3b/C3d and Cell Surface Polyanions Are Recognized by Overlapping Binding Sites on the Most Carboxyl-Terminal Domain of Complement Factor H. Journal of Immunology, 2002, 169, 6935-6944.	0.8	109
52	Binding of Complement Factor H to Endothelial Cells Is Mediated by the Carboxy-Terminal Glycosaminoglycan Binding Site. American Journal of Pathology, 2005, 167, 1173-1181.	3.8	108
53	The Role of Complement in AMD. Advances in Experimental Medicine and Biology, 2010, 703, 9-24.	1.6	108
54	Factor H and Factor H-Related Protein 1 Bind to Human Neutrophils via Complement Receptor 3, Mediate Attachment to Candida albicans, and Enhance Neutrophil Antimicrobial Activity. Journal of Immunology, 2010, 184, 912-921.	0.8	107

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55	The Opportunistic Human Pathogenic FungusAspergillus fumigatusEvades the Host Complement System. Infection and Immunity, 2008, 76, 820-827.	2.2	106
56	Borrelia burgdorferi Infection-Associated Surface Proteins ErpP, ErpA, and ErpC Bind Human Plasminogen. Infection and Immunity, 2009, 77, 300-306.	2.2	103
57	Complement factor Hâ€"related hybrid protein deregulates complement in dense deposit disease. Journal of Clinical Investigation, 2014, 124, 145-155.	8.2	102
58	Immune evasion of the human pathogenic yeast Candida albicans: Pra1 is a Factor H, FHL-1 and plasminogen binding surface protein. Molecular Immunology, 2009, 47, 541-550.	2.2	99
59	Monomeric Câ€reactive protein modulates classic complement activation on necrotic cells. FASEB Journal, 2011, 25, 4198-4210.	0.5	99
60	SecretedAspergillus fumigatusProtease Alp1 Degrades Human Complement Proteins C3, C4, and C5. Infection and Immunity, 2010, 78, 3585-3594.	2.2	97
61	Identification and Functional Characterization of Complement Regulator-Acquiring Surface Protein 1 of the Lyme Disease Spirochetes Borrelia afzelii and Borrelia garinii. Infection and Immunity, 2005, 73, 2351-2359.	2.2	96
62	FHL-1/reconectin and factor H: two human complement regulators which are encoded by the same gene are differently expressed and regulated. Molecular Immunology, 1999, 36, 809-818.	2.2	95
63	Dual Binding Specificity of a Borrelia hermsii-Associated Complement Regulator-Acquiring Surface Protein for Factor H and Plasminogen Discloses a Putative Virulence Factor of Relapsing Fever Spirochetes. Journal of Immunology, 2007, 178, 7292-7301.	0.8	95
64	The C-terminus of complement factor H is essential for host cell protection. Molecular Immunology, 2007, 44, 2697-2706.	2.2	95
65	Factor H and disease: a complement regulator affects vital body functions. Molecular Immunology, 1999, 36, 241-248.	2.2	94
66	The C-terminus of factor H: monoclonal antibodies inhibit heparin binding and identify epitopes common to factor H and factor H-related proteins. Biochemical Journal, 1998, 331, 41-47.	3.7	91
67	Combined C3b and Factor B Autoantibodies and MPGN Type II. New England Journal of Medicine, 2011, 365, 2340-2342.	27.0	88
68	Production of biologically active recombinant human factor H in Physcomitrella. Plant Biotechnology Journal, 2011, 9, 373-383.	8.3	86
69	Malaria Parasites Co-opt Human Factor H to Prevent Complement-Mediated Lysis in the Mosquito Midgut. Cell Host and Microbe, 2013, 13, 29-41.	11.0	86
70	Kallikrein Cleaves C3 and Activates Complement. Journal of Innate Immunity, 2018, 10, 94-105.	3.8	86
71	Complement Inhibitors in Clinical Trials for Glomerular Diseases. Frontiers in Immunology, 2019, 10, 2166.	4.8	86
72	The human complement regulatory factor-H-like protein 1, which represents a truncated form of factor H, displays cell-attachment activity. Biochemical Journal, 1997, 326, 321-327.	3.7	84

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73	NontypeableHaemophilus influenzaeProtein E Binds Vitronectin and Is Important for Serum Resistance. Journal of Immunology, 2009, 183, 2593-2601.	0.8	84
74	CspA from Borrelia burgdorferi Inhibits the Terminal Complement Pathway. MBio, 2013, 4, .	4.1	84
75	Analysis of the recognition mechanism of the alternative pathway of complement by monoclonal anti-factor H antibodies: evidence for multiple interactions between H and surface bound C3b. FEBS Letters, 1996, 393, 297-302.	2.8	83
76	Complement Regulatorâ€“Acquiring Surface Protein 1 ofBorrelia burgdorferiBinds to Human Bone Morphogenic Protein 2, Several Extracellular Matrix Proteins, and Plasminogen. Journal of Infectious Diseases, 2010, 202, 490-498.	4.0	83
77	Host-pathogen interactions between the human innate immune system and Candida albicansâ€”understanding and modeling defense and evasion strategies. Frontiers in Microbiology, 2015, 6, 625.	3.5	83
78	Combination of Factor H Mutation and Properdin Deficiency Causes Severe C3 Glomerulonephritis. Journal of the American Society of Nephrology: JASN, 2013, 24, 53-65.	6.1	82
79	The Complement Factor H R1210C Mutation Is Associated With Atypical Hemolytic Uremic Syndrome. Journal of the American Society of Nephrology: JASN, 2008, 19, 639-646.	6.1	81
80	Age-related macular degeneration associated polymorphism rs10490924 in ARMS2 results in deficiency of a complement activator. Journal of Neuroinflammation, 2017, 14, 4.	7.2	80
81	An interactive web database of factor H-associated hemolytic uremic syndrome mutations: insights into the structural consequences of disease-associated mutations. Human Mutation, 2006, 27, 21-30.	2.5	79
82	C3 deposition glomerulopathy due to a functional Factor H defect. Kidney International, 2009, 75, 1230-1234.	5.2	79
83	Complement Factor H: Physiology and Pathophysiology. Seminars in Thrombosis and Hemostasis, 2001, 27, 191-200.	2.7	78
84	Complement Factor H-Related Proteins CFHR2 and CFHR5 Represent Novel Ligands for the Infection-Associated CRASP Proteins of Borrelia burgdorferi. PLoS ONE, 2010, 5, e13519.	2.5	78
85	Functional analyses indicate a pathogenic role of factor H autoantibodies in atypical haemolytic uraemic syndrome. Nephrology Dialysis Transplantation, 2010, 25, 136-144.	0.7	78
86	The role of complement in C3 glomerulopathy. Molecular Immunology, 2015, 67, 21-30.	2.2	78
87	The Molecular Basis for Hereditary Porcine Membranoproliferative Glomerulonephritis Type II. American Journal of Pathology, 2002, 161, 2027-2034.	3.8	76
88	Autoantibodies in haemolytic uraemic syndrome (HUS). Thrombosis and Haemostasis, 2009, 101, 227-232.	3.4	76
89	Complement Regulator Factor H Mediates a Two-step Uptake of Streptococcus pneumoniae by Human Cells. Journal of Biological Chemistry, 2010, 285, 23486-23495.	3.4	75
90	The Group B Streptococcal Î² and Pneumococcal Hic Proteins Are Structurally Related Immune Evasion Molecules That Bind the Complement Inhibitor Factor H in an Analogous Fashion. Journal of Immunology, 2004, 172, 3111-3118.	0.8	74

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91	DEAP-HUS: Deficiency of CFHR plasma proteins and autoantibody-positive form of hemolytic uremic syndrome. Pediatric Nephrology, 2010, 25, 2009-2019.	1.7	72
92	Recruitment of Complement Factor H-Like Protein 1 Promotes Intracellular Invasion by Group A Streptococci. Infection and Immunity, 2003, 71, 7119-7128.	2.2	71
93	Versatile Roles of CspA Orthologs in Complement Inactivation of Serum-Resistant Lyme Disease Spirochetes. Infection and Immunity, 2014, 82, 380-392.	2.2	71
94	Platelet-associated complement factor H in healthy persons and patients with atypical HUS. Blood, 2009, 114, 4538-4545.	1.4	70
95	The Human Factor H-related Protein 4 (FHR-4). Journal of Biological Chemistry, 1997, 272, 5627-5634.	3.4	69
96	The Choline-binding Protein PspC of Streptococcus pneumoniae Interacts with the C-terminal Heparin-binding Domain of Vitronectin. Journal of Biological Chemistry, 2013, 288, 15614-15627.	3.4	66
97	Tuf of Streptococcus pneumoniae is a surface displayed human complement regulator binding protein. Molecular Immunology, 2014, 62, 249-264.	2.2	65
98	Haemophilus influenzae Uses the Surface Protein E To Acquire Human Plasminogen and To Evade Innate Immunity. Journal of Immunology, 2012, 188, 379-385.	0.8	64
99	Complement and innate immune evasion strategies of the human pathogenic fungus Candida albicans. Molecular Immunology, 2013, 56, 161-169.	2.2	63
100	BGA66 and BGA71 facilitate complement resistance of Borrelia bavariensis by inhibiting assembly of the membrane attack complex. Molecular Microbiology, 2016, 99, 407-424.	2.5	63
101	Factor H Binds to Extracellular DNA Traps Released from Human Blood Monocytes in Response to Candida albicans. Frontiers in Immunology, 2016, 7, 671.	4.8	62
102	Where next with atypical hemolytic uremic syndrome?. Molecular Immunology, 2007, 44, 3889-3900.	2.2	61
103	Complement factor H related proteins in immune diseases. Vaccine, 2008, 26, I9-I14.	3.8	60
104	Complement Regulation at Necrotic Cell Lesions Is Impaired by the Age-Related Macular Degeneration-Associated Factor-H His402 Risk Variant. Journal of Immunology, 2011, 187, 4374-4383.	0.8	60
105	The pH-regulated Antigen 1 of Candida albicans Binds the Human Complement Inhibitor C4b-binding Protein and Mediates Fungal Complement Evasion. Journal of Biological Chemistry, 2011, 286, 8021-8029.	3.4	60
106	Hemolytic Uremic Syndrome: A Factor H Mutation (E1172Stop) Causes Defective Complement Control at the Surface of Endothelial Cells. Journal of the American Society of Nephrology: JASN, 2007, 18, 506-514.	6.1	59
107	The complement fitness Factor H: Role in human diseases and for immune escape of pathogens, like pneumococci. Vaccine, 2008, 26, I67-I74.	3.8	59
108	Human Factor H-Related Protein 2 (CFHR2) Regulates Complement Activation. PLoS ONE, 2013, 8, e78617.	2.5	59

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109	ThePlasmodium falciparumblood stages acquire factor H family proteins to evade destruction by human complement. Cellular Microbiology, 2016, 18, 573-590.	2.1	59
110	Factor H autoantibodies and deletion of Complement Factor H-Related protein-1 in rheumatic diseases in comparison to atypical hemolytic uremic syndrome. Arthritis Research and Therapy, 2012, 14, R185.	3.5	57
111	BBA70 of Borrelia burgdorferi Is a Novel Plasminogen-binding Protein. Journal of Biological Chemistry, 2013, 288, 25229-25243.	3.4	57
112	Glycerol-3-Phosphate Dehydrogenase 2 Is a Novel Factor Hâ€“, Factor Hâ€“like Protein 1â€“, and Plasminogen-Binding Surface Protein of Candida albicans. Journal of Infectious Diseases, 2013, 207, 594-603.	4.0	57
113	CFHR Gene Variations Provide Insights in the Pathogenesis of the Kidney Diseases Atypical Hemolytic Uremic Syndrome and C3 Glomerulopathy. Journal of the American Society of Nephrology: JASN, 2020, 31, 241-256.	6.1	57
114	Staphylococcus aureus Proteins Sbi and Efb Recruit Human Plasmin to Degrade Complement C3 and C3b. PLoS ONE, 2012, 7, e47638.	2.5	57
115	Human complement factor H-related protein 4 binds and recruits native pentameric C-reactive protein to necrotic cells. Molecular Immunology, 2009, 46, 335-344.	2.2	56
116	Serum FHR1 binding to necrotic-type cells activates monocytic inflammasome and marks necrotic sites in vasculopathies. Nature Communications, 2019, 10, 2961.	12.8	55
117	Haemophilus influenzae protein E recognizes the Câ€terminal domain of vitronectin and modulates the membrane attack complex. Molecular Microbiology, 2011, 81, 80-98.	2.5	54
118	The Complement Inhibitor Factor H Generates an Anti-Inflammatory and Tolerogenic State in Monocyte-Derived Dendritic Cells. Journal of Immunology, 2016, 196, 4274-4290.	0.8	54
119	Interaction of Shiga toxin 2 with complement regulators of the factor H protein family. Molecular Immunology, 2014, 58, 77-84.	2.2	53
120	Onchocerca volvulusMicrofilariae Avoid Complement Attack by Direct Binding of Factor H. Journal of Infectious Diseases, 2002, 185, 1786-1793.	4.0	52
121	Immune escape of the human facultative pathogenic yeast Candida albicans: The many faces of the Candida Pra1 protein. International Journal of Medical Microbiology, 2011, 301, 423-430.	3.6	51
122	Candida albicans Uses the Surface Protein Gpm1 to Attach to Human Endothelial Cells and to Keratinocytes via the Adhesive Protein Vitronectin. PLoS ONE, 2014, 9, e90796.	2.5	51
123	Subversion of complement by hematophagous parasites. Developmental and Comparative Immunology, 2009, 33, 5-13.	2.3	50
124	Functional Characterization ofBorrelia spielmaniiOuter Surface Proteins That Interact with Distinct Members of the Human Factor H Protein Family and with Plasminogen. Infection and Immunity, 2010, 78, 39-48.	2.2	50
125	Contribution of the Infection-Associated Complement Regulator-Acquiring Surface Protein 4 (ErpC) to Complement Resistance ofBorrelia burgdorferi. Clinical and Developmental Immunology, 2012, 2012, 1-12.	3.3	50
126	Human Neutrophils Produce Antifungal Extracellular Vesicles against Aspergillus fumigatus. MBio, 2020, 11, .	4.1	50

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127	Haemophilus influenzaeInteracts with the Human Complement Inhibitor Factor H. Journal of Immunology, 2008, 181, 537-545.	0.8	49
128	Hemolytic uremic syndrome: how do factor H mutants mediate endothelial damage?. Trends in Immunology, 2001, 22, 345-348.	6.8	47
129	Thrombotic microangiopathies: new insights and new challenges. Current Opinion in Nephrology and Hypertension, 2010, 19, 372-378.	2.0	47
130	Secreted pH-Regulated Antigen 1 of Candida albicans Blocks Activation and Conversion of Complement C3. Journal of Immunology, 2010, 185, 2164-2173.	0.8	47
131	CipA ofAcinetobacter baumanniiIs a Novel Plasminogen Binding and Complement Inhibitory Protein. Journal of Infectious Diseases, 2016, 213, 1388-1399.	4.0	47
132	Binding of the Human Complement Regulators CFHR1 and Factor H by Streptococcal Collagen-like Protein 1 (Scl1) via Their Conserved C Termini Allows Control of the Complement Cascade at Multiple Levels. Journal of Biological Chemistry, 2010, 285, 38473-38485.	3.4	46
133	FHR-4A: a new factor H-related protein is encoded by the human FHR-4 gene. European Journal of Human Genetics, 2005, 13, 321-329.	2.8	45
134	Aspf2 From Aspergillus fumigatus Recruits Human Immune Regulators for Immune Evasion and Cell Damage. Frontiers in Immunology, 2018, 9, 1635.	4.8	45
135	Successful (?) therapy of hemolytic-uremic syndrome with factor H abnormality. Pediatric Nephrology, 2003, 18, 952-955.	1.7	44
136	Autoimmune forms of thrombotic micorangiopathy and membranoproliferative glomerulonephritis: Indications for a disease spectrum and common pathogenic principles. Molecular Immunology, 2009, 46, 2801-2807.	2.2	44
137	A Novel Antibody against Human Properdin Inhibits the Alternative Complement System and Specifically Detects Properdin from Blood Samples. PLoS ONE, 2014, 9, e96371.	2.5	44
138	Moss-Produced, Glycosylation-Optimized Human Factor H for Therapeutic Application in Complement Disorders. Journal of the American Society of Nephrology: JASN, 2017, 28, 1462-1474.	6.1	43
139	The Alternative Pathway of Complement: a Pattern Recognition System. , 2007, 598, 80-92.		43
140	Outer Membrane Protein OlpA Contributes to Moraxella catarrhalis Serum Resistance via Interaction With Factor H and the Alternative Pathway. Journal of Infectious Diseases, 2014, 210, 1306-1310.	4.0	41
141	Complement Factor H-Related 5-Hybrid Proteins Anchor Properdin and Activate Complement at Self-Surfaces. Journal of the American Society of Nephrology: JASN, 2016, 27, 1413-1425.	6.1	41
142	Immune evasion of Borrelia miyamotoi: CbiA, a novel outer surface protein exhibiting complement binding and inactivating properties. Scientific Reports, 2017, 7, 303.	3.3	40
143	Complement in Hemolysis- and Thrombosis- Related Diseases. Frontiers in Immunology, 2020, 11, 1212.	4.8	40
144	Yersinia enterocolitica YadA Mediates Complement Evasion by Recruitment and Inactivation of C3 Products. Journal of Immunology, 2012, 189, 4900-4908.	0.8	38

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145	MPGN II â€“ genetically determined by defective complement regulation?. Pediatric Nephrology, 2007, 22, 2-9.	1.7	37
146	Translation Elongation Factor Tuf of Acinetobacter baumannii Is a Plasminogen-Binding Protein. PLoS ONE, 2015, 10, e0134418.	2.5	37
147	Bevacizumab-associated glomerular microangiopathy. Modern Pathology, 2019, 32, 684-700.	5.5	37
148	Successful treatment of DEAP-HUS with eculizumab. Pediatric Nephrology, 2014, 29, 841-851.	1.7	36
149	Streptococcus pneumoniae From Patients With Hemolytic Uremic Syndrome Binds Human Plasminogen via the Surface Protein PspC and Uses Plasmin to Damage Human Endothelial Cells. Journal of Infectious Diseases, 2018, 217, 358-370.	4.0	36
150	The Role of Defective Complement Control in Hemolytic Uremic Syndrome. Seminars in Thrombosis and Hemostasis, 2006, 32, 146-154.	2.7	35
151	The complement receptor C5aR1 contributes to renal damage but protects the heart in angiotensin II-induced hypertension. American Journal of Physiology - Renal Physiology, 2016, 310, F1356-F1365.	2.7	35
152	Enolase From Aspergillus fumigatus Is a Moonlighting Protein That Binds the Human Plasma Complement Proteins Factor H, FHL-1, C4BP, and Plasminogen. Frontiers in Immunology, 2019, 10, 2573.	4.8	35
153	Plant Protochlorophyllide Oxidoreductases A and B. Journal of Biological Chemistry, 2015, 290, 28530-28539.	3.4	34
154	Genetic Factors of the Disease Course After Sepsis: Rare Deleterious Variants Are Predictive. EBioMedicine, 2016, 12, 227-238.	6.1	34
155	The secreted Candida albicans protein Pra1 disrupts host defense by broadly targeting and blocking complement C3 and C3 activation fragments. Molecular Immunology, 2018, 93, 266-277.	2.2	34
156	Immune modulation by complement receptor 3-dependent human monocyte TGF-Î²1-transporting vesicles. Nature Communications, 2020, 11, 2331.	12.8	34
157	Pseudomonas aeruginosa Uses Dihydrolipoamide Dehydrogenase (Lpd) to Bind to the Human Terminal Pathway Regulators Vitronectin and Clusterin to Inhibit Terminal Pathway Complement Attack. PLoS ONE, 2015, 10, e0137630.	2.5	33
158	Autoantibodies in haemolytic uraemic syndrome (HUS). Thrombosis and Haemostasis, 2009, 101, 227-32.	3.4	33
159	Dihydrolipoamide Dehydrogenase of Pseudomonas aeruginosa Is a Surface-Exposed Immune Evasion Protein That Binds Three Members of the Factor H Family and Plasminogen. Journal of Immunology, 2012, 189, 4939-4950.	0.8	32
160	Conserved Patterns of Microbial Immune Escape: Pathogenic Microbes of Diverse Origin Target the Human Terminal Complement Inhibitor Vitronectin via a Single Common Motif. PLoS ONE, 2016, 11, e0147709.	2.5	31
161	Complement Regulator FHR-3 Is Elevated either Locally or Systemically in a Selection of Autoimmune Diseases. Frontiers in Immunology, 2016, 7, 542.	4.8	29
162	Binding of Candida albicans to Human CEACAM1 and CEACAM6 Modulates the Inflammatory Response of Intestinal Epithelial Cells. MBio, 2017, 8, .	4.1	29

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163	A genome-wide association study identifies key modulators of complement factor H binding to malondialdehyde-epitopes. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 9942-9951.	7.1	29
164	Protein load impairs factor H binding promoting complement-dependent dysfunction of proximal tubular cells. Kidney International, 2009, 75, 1050-1059.	5.2	28
165	Identification of a Haemophilus influenzae Factor Hâ€“Binding Lipoprotein Involved in Serum Resistance. Journal of Immunology, 2014, 192, 5913-5923.	0.8	28
166	The MFHR1 Fusion Protein Is a Novel Synthetic Multitarget Complement Inhibitor with Therapeutic Potential. Journal of the American Society of Nephrology: JASN, 2018, 29, 1141-1153.	6.1	28
167	Identification and functional characterisation of Complement Regulator Acquiring Surface Protein-1 of serum resistant Borrelia garinii OspA serotype 4. BMC Microbiology, 2010, 10, 43.	3.3	27
168	FHR3 Blocks C3d-Mediated Coactivation of Human B Cells. Journal of Immunology, 2016, 197, 620-629.	0.8	26
169	Biochemical and functional characterization of the factor-H-related protein 4 (FHR-4). Immunopharmacology, 1997, 38, 149-157.	2.0	25
170	Role of pH-regulated antigen 1 of Candida albicans in the fungal recognition and antifungal response of human neutrophils. Molecular Immunology, 2011, 48, 2135-2143.	2.2	25
171	Anaphylatoxins Activate Ca2+, Akt/PI3-Kinase, and FOXO1/FoxP3 in the Retinal Pigment Epithelium. Frontiers in Immunology, 2017, 8, 703.	4.8	25
172	Immune Evasion ofMoraxella catarrhalisInvolves Ubiquitous Surface Protein A-Dependent C3d Binding. Journal of Immunology, 2011, 186, 3120-3129.	0.8	24
173	Further structural insights into the binding of complement factor H by complement regulator-acquiring surface protein 1 (CspA) ofBorrelia burgdorferi. Acta Crystallographica Section F: Structural Biology Communications, 2013, 69, 629-633.	0.7	24
174	Deciphering the Counterplay of Aspergillus fumigatus Infection and Host Inflammation by Evolutionary Games on Graphs. Scientific Reports, 2016, 6, 27807.	3.3	24
175	Recombinant Production of MFHR1, A Novel Synthetic Multitarget Complement Inhibitor, in Moss Bioreactors. Frontiers in Plant Science, 2019, 10, 260.	3.6	24
176	Factor H Facilitates Adherence of Neisseria gonorrhoeae to Complement Receptor 3 on Eukaryotic Cells. Journal of Immunology, 2010, 185, 4344-4353.	0.8	23
177	Binding of vitronectin and Factor H to Hic contributes to immune evasion of Streptococcus pneumoniae serotype 3. Thrombosis and Haemostasis, 2015, 113, 125-142.	3.4	23
178	Moraxella catarrhalis Binds Plasminogen To Evade Host Innate Immunity. Infection and Immunity, 2015, 83, 3458-3469.	2.2	23
179	Complement dysfunction in hemolytic uremic syndrome. Current Opinion in Rheumatology, 2006, 18, 548-555.	4.3	22
180	Modeling Hemolytic-Uremic Syndrome: In-Depth Characterization of Distinct Murine Models Reflecting Different Features of Human Disease. Frontiers in Immunology, 2018, 9, 1459.	4.8	22

#	Article	IF	Citations
181	Microarrayâ€based identification of human antibodies against Staphylococcus aureus antigens. Proteomics - Clinical Applications, 2015, 9, 1003-1011.	1.6	21
182	Elucidating the Immune Evasion Mechanisms of Borrelia mayonii, the Causative Agent of Lyme Disease. Frontiers in Immunology, 2019, 10, 2722.	4.8	21
183	Novel developments in thrombotic microangiopathies: is there a common link between hemolytic uremic syndrome and thrombotic thrombocytic purpura?. Pediatric Nephrology, 2011, 26, 1947-1956.	1.7	20
184	Staphylococcus aureus: The multi headed hydra resists and controls human complement response in multiple ways. International Journal of Medical Microbiology, 2014, 304, 188-194.	3.6	20
185	The peroxidoxin 2 protein of the human parasite Onchocerca volvulus : recombinant expression, immunolocalization, and demonstration of homologous molecules in other species. Parasitology Research, 1998, 84, 623-631.	1.6	19
186	Inadequate Binding of Immune Regulator Factor H Is Associated with Sensitivity ofBorrelia lusitaniaeto Human Complement. Infection and Immunity, 2010, 78, 4467-4476.	2.2	19
187	FHR5 Binds to Laminins, Uses Separate C3b and Surface-Binding Sites, and Activates Complement on Malondialdehyde-Acetaldehyde Surfaces. Journal of Immunology, 2018, 200, 2280-2290.	0.8	19
188	Cutting Edge: FHR-1 Binding Impairs Factor Hâ€“Mediated Complement Evasion by the Malaria Parasite Plasmodium falciparum. Journal of Immunology, 2018, 201, 3497-3502.	0.8	19
189	Evaluation of serum sphingolipids and the influence of genetic risk factors in age-related macular degeneration. PLoS ONE, 2018, 13, e0200739.	2.5	19
190	The Autoimmune Disease DEAP-Hemolytic Uremic Syndrome. Seminars in Thrombosis and Hemostasis, 2010, 36, 625-632.	2.7	18
191	Factor Hâ€related protein 1: a complement regulatory protein and guardian of necroticâ€type surfaces. British Journal of Pharmacology, 2021, 178, 2823-2831.	5.4	17
192	Complement, Candida, and cytokines: The role of C5a in host response to fungi. European Journal of Immunology, 2012, 42, 822-825.	2.9	16
193	New insights into disease-specific absence of complement factor H related protein C in mouse models of spontaneous autoimmune diseases. Molecular Immunology, 2014, 62, 235-248.	2.2	16
194	Sequence Variations and Protein Expression Levels of the Two Immune Evasion Proteins Gpm1 and Pra1 Influence Virulence of Clinical Candida albicans Isolates. PLoS ONE, 2015, 10, e0113192.	2.5	16
195	Vitronectin Binds to a Specific Stretch within the Head Region of <i>Yersinia</i> Adhesin A and Thereby Modulates <i>Yersinia enterocolitica</i> Host Interaction. Journal of Innate Immunity, 2017, 9, 33-51.	3.8	16
196	Complement Activation Products C3a and C4a as Endogenous Antimicrobial Peptides. International Journal of Peptide Research and Therapeutics, 2009, 15, 87-95.	1.9	15
197	Susceptibility to Invasive Meningococcal Disease: Polymorphism of Complement System Genes and Neisseria meningitidis Factor H Binding Protein. PLoS ONE, 2015, 10, e0120757.	2.5	15
198	Complement catalyzing glomerular diseases. Cell and Tissue Research, 2021, 385, 355-370.	2.9	15

#	Article	IF	Citations
199	Borrelia valaisiana Resist Complement-Mediated Killing Independently of the Recruitment of Immune Regulators and Inactivation of Complement Components. PLoS ONE, 2013, 8, e53659.	2.5	15
200	Activation of endogenously expressed ion channels by active complement in the retinal pigment epithelium. Pflugers Archiv European Journal of Physiology, 2015, 467, 2179-2191.	2.8	14
201	Successful discontinuation of eculizumab under immunosuppressive therapy in DEAP-HUS. Pediatric Nephrology, 2017, 32, 1081-1087.	1.7	14
202	How Does Complement Affect Hematological Malignancies: From Basic Mechanisms to Clinical Application. Frontiers in Immunology, 2020, 11, 593610.	4.8	14
203	Candida albicans Induces Cross-Kingdom miRNA Trafficking in Human Monocytes To Promote Fungal Growth. MBio, 2022, 13, e0356321.	4.1	14
204	The Protease SplB of Staphylococcus aureus Targets Host Complement Components and Inhibits Complement-Mediated Bacterial Opsonophagocytosis. Journal of Bacteriology, 2022, 204, JB0018421.	2.2	13
205	Direct Binding of the pH-Regulated Protein 1 (Pra1) from Candida albicans Inhibits Cytokine Secretion by Mouse CD4+ T Cells. Frontiers in Microbiology, 2017, 8, 844.	3.5	12
206	C3-Glomerulopathy Autoantibodies Mediate Distinct Effects on Complement C3- and C5-Convertases. Frontiers in Immunology, 2019, 10, 1030.	4.8	11
207	Factor H-related protein 1 (FHR-1) is associated with atherosclerotic cardiovascular disease. Scientific Reports, 2021, 11, 22511.	3.3	11
208	Conservation of Plasma Regulatory Proteins of the Complement System in Evolution: Humans and Fish. Experimental and Clinical Immunogenetics, 2000, 17, 55-62.	1.2	10
209	FHR-1, an additional human plasma protein, binds to complement regulator-acquiring surface proteins of Borrelia burgdorferi. International Journal of Medical Microbiology, 2008, 298, 287-291.	3.6	10
210	Human Complement Factor H and Factor H-Like Protein 1 Are Expressed in Human Retinal Pigment Epithelial Cells. Ophthalmic Research, 2014, 51, 59-66.	1.9	9
211	In situ Visualization of C3/C5 Convertases to Differentiate Complement Activation. Kidney International Reports, 2020, 5, 927-930.	0.8	9
212	A synthetic protein as efficient multitarget regulator against complement over-activation. Communications Biology, 2022, 5, 152.	4.4	9
213	Factor I and factor H deficiency in renal diseases: similar defects in the fluid phase have a different outcome at the surface of the glomerular basement membrane. Nephrology Dialysis Transplantation, 2008, 24, 385-387.	0.7	8
214	Chronic course of a hemolytic uremic syndrome caused by a deficiency of factor H-related proteins (CFHR1 and CFHR3). Kidney International, 2008, 74, 384-388.	5.2	8
215	Treatment of experimental C3 Glomerulopathy by human complement factor H produced in glycosylation-optimized Physcomitrella patens. Molecular Immunology, 2017, 89, 120.	2.2	8
216	Acquisition of human plasminogen facilitates complement evasion by the malaria parasite Plasmodium falciparum. European Journal of Immunology, 2021, 51, 490-493.	2.9	8

#	Article	IF	Citations
217	Membranoproliferative glomerulonephritis and C3 glomerulopathy in children: change in treatment modality? A report of a case series. CKJ: Clinical Kidney Journal, 2018, 11, 479-490.	2.9	7
218	Playing â€˜hide-and-seekâ€™ with factor H: game-theoretical analysis of a single nucleotide polymorphism. Journal of the Royal Society Interface, 2018, 15, 20170963.	3.4	7
219	Low molecular weight polysialic acid binds to properdin and reduces the activity of the alternative complement pathway. Scientific Reports, 2022, 12, 5818.	3.3	7
220	Complement 5a Receptor Polymorphisms Are Associated With Panton-Valentine Leukocidinâ€“positive Staphylococcus aureus Colonization in African Pygmies. Clinical Infectious Diseases, 2019, 68, 854-856.	5.8	6
221	Defective Complement Action and Control Defines Disease Pathology for Retinal and Renal Disorders and Provides a Basis for New Therapeutic Approaches. Advances in Experimental Medicine and Biology, 2013, 735, 173-187.	1.6	5
222	Unaltered Fungal Burden and Lethality in Human CEACAM1-Transgenic Mice During Candida albicans Dissemination and Systemic Infection. Frontiers in Microbiology, 2019, 10, 2703.	3.5	5
223	Molecular Mapping of Urinary Complement Peptides in Kidney Diseases. Proteomes, 2021, 9, 49.	3.5	5
224	Molecular crypsis by pathogenic fungi using human factor H. A numerical model. PLoS ONE, 2019, 14, e0212187.	2.5	4
225	Quantification of Factor H Mediated Self vs. Non-self Discrimination by Mathematical Modeling. Frontiers in Immunology, 2020, 11, 1911.	4.8	4
226	Molecular analyses identifies new domains and structural differences among Streptococcus pneumoniae immune evasion proteins PspC and Hic. Scientific Reports, 2021, 11, 1701.	3.3	3
227	An Interdisciplinary Diagnostic Approach to Guide Therapy in C3 Glomerulopathy. Frontiers in Immunology, 2022, 13, .	4.8	2
228	Kallikrein represents an independent complement activator. Molecular Immunology, 2017, 89, 140.	2.2	1
229	Long-term data on two sisters with C3GN due to an identical, homozygous CFH mutation and autoantibodies. Clinical Nephrology, 2020, 94, 197-206.	0.7	1
230	The Host Innate Immune Response to Pathogenic Candida albicans and Other Fungal Pathogens. , 2008, , 233-242.		0
231	RETC-2: An antibody for highly specific FHR-3 detection from human blood, retinal microglia cells and for diminishing molecular FHR-3 interactions. Immunobiology, 2016, 221, 1206.	1.9	0
232	Candida albicans modulates the immune response of human blood monocytes. Immunobiology, 2016, 221, 1215.	1.9	0
233	Candia Pra1 blocks human CD4 T cell activation by ligation of CD46. Immunobiology, 2016, 221, 1218.	1.9	0
234	Novel CFHR2 variants: Another nuance in the complex spectrum of kidney disease aHUS and C3GN. Molecular Immunology, 2017, 89, 179.	2.2	0

#	Article	IF	Citations
235	Complement receptor 3 directs release of anti-inflammatory microvesicels by monocytes. Molecular Immunology, 2018, 102, 160.	2.2	0
236	Reply to Kang and Brooks: Comment on the interpretation of binding of Pra1, the fungal immune evasion protein from Candida albicans to the human C3 and on the conformational changes of C3 upon activation. Molecular Immunology, 2018, 101, 638-639.	2.2	0
237	The Case | A 78-year-old woman with acute kidney injury and hemolytic anemia. Kidney International, 2019, 95, 473-474.	5.2	0
238	Thrombotic Microangiopathies: Thrombus Formation Due to Common or Related Mechanisms?. , 2014, , 241-248.		0
239	Overview of Fungal Pathogens. , 0, , 165-172.		0