Wilhelm J Schwaeble

List of Publications by Year
in descending order

131	8,360	31976	49909
papers	citations	53 h-index	87 g-index

139	139	139	6757
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A second serine protease associated with mannan-binding lectin that activates complement. Nature, 1997, 386, 506-510.	27.8	799
2	De novo expression of intercellular-adhesion molecule 1 in melanoma correlates with increased risk of metastasis.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 641-644.	7.1	334
3	Biochemical and functional characterization of the interaction between pentraxin 3 and C1q. European Journal of Immunology, 2003, 33, 465-473.	2.9	317
4	Direct binding of C1q to apoptotic cells and cell blebs induces complement activation. European Journal of Immunology, 2002, 32, 1726.	2.9	276
5	L-Ficolin Specifically Binds to Lipoteichoic Acid, a Cell Wall Constituent of Gram-Positive Bacteria, and Activates the Lectin Pathway of Complement. Journal of Immunology, 2004, 172, 1198-1202.	0.8	245
6	Natural Substrates and Inhibitors of Mannan-Binding Lectin-Associated Serine Protease-1 and -2: A Study on Recombinant Catalytic Fragments. Journal of Immunology, 2003, 170, 1374-1382.	0.8	202
7	Distinct Pathways of Mannan-Binding Lectin (MBL)- and C1-Complex Autoactivation Revealed by Reconstitution of MBL with Recombinant MBL-Associated Serine Protease-2. Journal of Immunology, 2000, 165, 2093-2100.	0.8	184
8	Targeting of mannan-binding lectin-associated serine protease-2 confers protection from myocardial and gastrointestinal ischemia/reperfusion injury. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7523-7528.	7.1	174
9	Complement C1q Is Dramatically Up-Regulated in Brain Microglia in Response to Transient Global Cerebral Ischemia. Journal of Immunology, 2000, 164, 5446-5452.	0.8	146
10	The Lectin Pathway of Complement Activation Is a Critical Component of the Innate Immune Response to Pneumococcal Infection. PLoS Pathogens, 2012, 8, e1002793.	4.7	144
11	Paths reunited: Initiation of the classical and lectin pathways of complement activation. Immunobiology, 2010, 215, 1-11.	1.9	135
12	The Mannan-Binding Lectin-Associated Serine Proteases (MASPs) and MAp19: Four Components of the Lectin Pathway Activation Complex Encoded by Two Genes. Immunobiology, 2002, 205, 455-466.	1.9	133
13	Activation of mannanâ€binding lectinâ€associated serine proteases leads to generation of a fibrin clot. Immunology, 2010, 129, 482-495.	4.4	125
14	Human complement factor H: expression of an additional truncated gene product of 43 kDa in human liver. European Journal of Immunology, 1987, 17, 1485-1489.	2.9	122
15	Ficolins: Novel pattern recognition molecules of the innate immune response. Immunobiology, 2008, 213, 297-306.	1.9	120
16	The complement system in ischemiaâ€“reperfusion injuries. Immunobiology, 2012, 217, 1026-1033.	1.9	118
17	Collectin-11 detects stress-induced L-fucose pattern to trigger renal epithelial injury. Journal of Clinical Investigation, 2016, 126, 1911-1925.	8.2	118
18	The Classical Activation Pathway of the Human Complement System Is Specifically Inhibited by Calreticulin from Trypanosoma cruzi. Journal of Immunology, 2004, 172, 3042-3050.	0.8	115

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19	Lectin Pathway Mediates Complement Activation by SARS-CoV-2 Proteins. Frontiers in Immunology, 2021, 12, 714511.	4.8	111
20	Does properdin crosslink the cellular and the humoral immune response?. Trends in Immunology, 1999, 20, 17-21.	7.5	106
21	Interaction of C1q and Mannan-Binding Lectin (MBL) with C1r, C1s, MBL-Associated Serine Proteases 1 and 2, and the MBL-Associated Protein MAp19. Journal of Immunology, 2000, 165, 878-887.	0.8	99
22	Expression of intercellular adhesion molecule 1 (ICAM-1, CD54) in colonic epithelial cells.. Gut, 1993, 34, 1593-1597.	12.1	98
23	Expression of C1q, a subcomponent of the rat complement system, is dramatically enhanced in brains of rats with either Borna disease or experimental allergic encephalomyelitis. Journal of the Neurological Sciences, 1995, 130, 11-16.	0.6	98
24	C1q, the recognition subcomponent of the classical pathway of complement, drives microglial activation. Journal of Neuroscience Research, 2009, 87, 644-652.	2.9	97
25	Neuronal expression of fractalkine in the presence and absence of inflammation. FEBS Letters, 1998, 439, 203-207.	2.8	96
26	Differential Expression of the Murine Mannose-Binding Lectins A and C in Lymphoid and Nonlymphoid Organs and Tissues. Journal of Immunology, 2003, 170, 1462-1465.	0.8	90
27	The C1q and collectin binding site within C1 q receptor (cell surface calreticulin). Immunopharmacology, 1997, 38, 73-80.	2.0	87
28	Interaction of C1q and the Collectins with the Potential Receptors Calreticulin (cClqR/Collectin) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	1.9	87
29	Expression of 7F7-antigen, a human adhesion molecule identical to intercellular adhesion molecule-1 (ICAM-1) in human carcinomas and their stromal fibroblasts. International Journal of Cancer, 1989, 43, 768-773.	5.1	86
30	Microglial activation and increased synthesis of complement component C1q precedes bloodâ€“brain barrier dysfunction in rats. Molecular Immunology, 2004, 40, 709-716.	2.2	86
31	Role of calreticulin from parasites in its interaction with vertebrate hosts. Molecular Immunology, 2004, 40, 1279-1291.	2.2	86
32	Structural basis of the C1q/C1s interaction and its central role in assembly of the C1 complex of complement activation. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13916-13920.	7.1	86
33	Small Mannose-Binding Lectin-Associated Protein Plays a Regulatory Role in the Lectin Complement Pathway. Journal of Immunology, 2006, 177, 8626-8632.	0.8	81
34	Human complement factor H: two factor H proteins are derived from alternatively spliced transcripts. European Journal of Immunology, 1991, 21, 799-802.	2.9	79
35	Characterization of Recombinant Mannan-Binding Lectin-Associated Serine Protease (MASP)-3 Suggests an Activation Mechanism Different from That of MASP-1 and MASP-2. Journal of Immunology, 2004, 172, 4342-4350.	0.8	79
36	Properdin Plays a Protective Role in Polymicrobial Septic Peritonitis. Journal of Immunology, 2008, 180, 3313-3318.	0.8	79

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37	Direct Complement Restriction of Flavivirus Infection Requires Glycan Recognition by Mannose-Binding Lectin. Cell Host and Microbe, 2010, 8, 186-195.	11.0	78
38	Loss of Properdin Exacerbates C3 Glomerulopathy Resulting from Factor H Deficiency. Journal of the American Society of Nephrology: JASN, 2013, 24, 43-52.	6.1	76
39	Mannanâ€binding lectinâ€associated serine protease 2 is critical for the development of renal ischemia reperfusion injury and mediates tissue injury in the absence of complement C4. FASEB Journal, 2014, 28, 3996-4003.	0.5	75
40	Antibody-mediated activation of the classical pathway of complement may compensate for mannose-binding lectin deficiency. European Journal of Immunology, 2004, 34, 2589-2598.	2.9	69
41	Antibody directs properdin-dependent activation of the complement alternative pathway in a mouse model of abdominal aortic aneurysm. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E415-22.	7.1	65
42	Human complement factor H: An additional gene product of 43kDa isolated from human plasma shows cofactor activity for the cleavage of the third component of complement. European Journal of Immunology, 1989, 19, 1765-1768.	2.9	64
43	The lectin pathway of complement activation contributes to protection from West Nile virus infection. Virology, 2011, 412, 101-109.	2.4	63
44	Molecular cloning of the cDNA coding for properdin, a positive regulator of the alternative pathway of human complement. European Journal of Immunology, 1991, 21, 771-776.	2.9	60
45	Recombinant expression of human mannan-binding lectin. International Immunopharmacology, 2001, 1, 677-687.	3.8	60
46	Antiangiogenic and Antitumor Effects of Trypanosoma cruzi Calreticulin. PLoS Neglected Tropical Diseases, 2010, 4, e730.	3.0	60
47	Analogous Interactions in Initiating Complexes of the Classical and Lectin Pathways of Complement. Journal of Immunology, 2009, 182, 7708-7717.	0.8	59
48	Mice Deficient in Ficolin, a Lectin Complement Pathway Recognition Molecule, Are Susceptible to Streptococcus pneumoniae Infection. Journal of Immunology, 2012, 189, 5860-5866.	0.8	59
49	Mannan binding lectin-associated serine protease-2 (MASP-2) critically contributes to post-ischemic brain injury independent of MASP-1. Journal of Neuroinflammation, 2016, 13, 213.	7.2	59
50	Molecular mechanisms involved in the inactivation of the first component of human complement by Trypanosoma cruzi calreticulin. Molecular Immunology, 2010, 47, 1516-1521.	2.2	58
51	Microfibril-associated Protein 4 Is Present in Lung Washings and Binds to the Collagen Region of Lung Surfactant Protein D. Journal of Biological Chemistry, 1999, 274, 32234-32240.	3.4	56
52	Complement and Complement Deficiencies. Seminars in Liver Disease, 1997, 17, 297-310.	3.6	55
53	Which pathways trigger the role of complement in ischaemia/reperfusion injury?. Frontiers in Immunology, 2012, 3, 341.	4.8	54
54	Expression of properdin in human monocytes. FEBS Journal, 1994, 219, 759-764.	0.2	53

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55	Localisation of the C1q binding site within C 1 q receptor/calreticulin. FEBS Letters, 1996, 397, 245-249.	2.8	53
56	Trypanosoma cruzi calreticulin: A novel virulence factor that binds complement C1 on the parasite surface and promotes infectivity. Immunobiology, 2011, 216, 265-273.	1.9	52
57	Composition of the Lectin Pathway of Complement inGallus gallus: Absence of Mannan-Binding Lectin-Associated Serine Protease-1 in Birds. Journal of Immunology, 2005, 174, 4998-5006.	0.8	51
58	Molecular Interactions between MASP-2, C4, and C2 and Their Activation Fragments Leading to Complement Activation via the Lectin Pathway. Journal of Biological Chemistry, 2007, 282, 7844-7851.	3.4	51
59	De Novo expression of intercellular adhesion molecule 1(ICAM-1, CD54) in pancreas cancer. International Journal of Cancer, 1993, 53, 328-333.	5.1	49
60	Molecular basis of sugar recognition by collectin-K1 and the effects of mutations associated with 3MC syndrome. BMC Biology, 2015, 13, 27.	3.8	49
61	Structure of the C1râ€“C1s interaction of the C1 complex of complement activation. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 768-773.	7.1	49
62	Low-dose recombinant properdin provides substantial protection againstStreptococcus pneumoniaeandNeisseria meningitidisinfection. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 5301-5306.	7.1	48
63	Localization of Î¹-opioid receptor mRNA in neuronal subpopulations of rat sensory ganglia and spinal cord. Neuroscience Letters, 1994, 167, 137-140.	2.1	47
64	Trypanosoma cruzi calreticulin inhibits the complement lectin pathway activation by direct interaction with L-Ficolin. Molecular Immunology, 2014, 60, 80-85.	2.2	45
65	Lectin pathway effector enzyme mannanâ€binding lectinâ€associated serine proteaseâ€2 can activate native complement C3 in absence of C4 and/or C2. FASEB Journal, 2017, 31, 2210-2219.	0.5	43
66	The human gene for mannan-binding lectin-associated serine protease-2 (MASP-2), the effector component of the lectin route of complement activation, is part of a tightly linked gene cluster on chromosome 1p36.2â€“3. Genes and Immunity, 2001, 2, 119-127.	4.1	42
67	Human complement factor H: isolation of cDNA clones and partial cDNA sequence of the 38-kDa tryptic fragment containing the binding site for C3b. European Journal of Immunology, 1986, 16, 1351-1355.	2.9	41
68	The role of properdin in murine zymosan-induced arthritis. Molecular Immunology, 2010, 47, 1458-1466.	2.2	39
69	Structural and functional relationships among receptors and regulators of the complement system. Molecular Immunology, 1988, 25, 1043-1051.	2.2	36
70	Role of the Classical Pathway of Complement Activation in Experimentally Induced Polymicrobial Peritonitis. Infection and Immunity, 2001, 69, 7304-7309.	2.2	35
71	An in vivo role for Trypanosoma cruzi calreticulin in antiangiogenesis. Molecular and Biochemical Parasitology, 2005, 140, 133-140.	1.1	35
72	Human complement factor H. Tissue specificity in the expression of three different mRNA species. FEBS Journal, 1991, 198, 399-404.	0.2	33

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73	Does Trypanosoma cruzi calreticulin modulate the complement system and angiogenesis?. Trends in Parasitology, 2005, 21, 169-174.	3.3	33
74	Trypanosoma cruzi calreticulin: A possible role in Chagasâ€™ disease autoimmunity. Molecular Immunology, 2009, 46, 1092-1099.	2.2	33
75	Expression of M-Ficolin in human monocytes and macrophages. Molecular Immunology, 2008, 45, 1424-1430.	2.2	32
76	Abrogated RANKL expression in properdin-deficient mice is associated with better outcome from collagen-antibody-induced arthritis. Arthritis Research and Therapy, 2012, 14, R173.	3.5	32
77	Localization of the mouse defense lectin ficolin B in lysosomes of activated macrophages. Journal of Endotoxin Research, 2006, 12, 120-126.	2.5	31
78	Properdin Deficiency in Murine Models of Nonseptic Shock. Journal of Immunology, 2008, 180, 6962-6969.	0.8	30
79	Targeting Complement at the Time of Transplantation. Advances in Experimental Medicine and Biology, 2013, 735, 247-255.	1.6	30
80	Role of Ficolin-A and Lectin Complement Pathway in the Innate Defense against Pathogenic Aspergillus Species. Infection and Immunity, 2013, 81, 1730-1740.	2.2	30
81	A recombinant two-module form of human properdin is an inhibitor of the complement alternative pathway. Molecular Immunology, 2016, 73, 76-87.	2.2	29
82	Analysis of Serological Biomarkers of SARS-CoV-2 Infection in Convalescent Samples From Severe, Moderate and Mild COVID-19 Cases. Frontiers in Immunology, 2021, 12, 748291.	4.8	29
83	Increase of C1q biosynthesis in brain microglia and macrophages during lentivirus infection in the rhesus macaque is sensitive to antiretroviral treatment with 6-chloro-2â€²,3â€²-dideoxyguanosine. Neurobiology of Disease, 2005, 20, 12-26.	4.4	28
84	Characterisation of the rat and mouse homologues of gC1qBP, a 33 kDa glycoprotein that binds to the globular `heads' of C1q. FEBS Letters, 1997, 418, 111-114.	2.8	27
85	Involvement of the Lectin Pathway of Complement Activation in Antimicrobial Immune Defense during Experimental Septic Peritonitis. Infection and Immunity, 2004, 72, 5247-5252.	2.2	27
86	The Pneumococcal Surface Proteins PspA and PspC Sequester Host C4-Binding Protein To Inactivate Complement C4b on the Bacterial Surface. Infection and Immunity, 2019, 87, .	2.2	26
87	Characterization of the murine gene of gC1qBP, a novel cell protein that binds the globular heads of C1q, vitronectin, high molecular weight kininogen and factor XII. Gene, 1998, 209, 229-237.	2.2	25
88	F(ab')2 antibody fragments against Trypanosoma cruzi calreticulin inhibit its interaction with the first component of human complement. Biological Research, 2005, 38, 187-95.	3.4	25
89	Properdin binds independent of complement activation in an in vivo model of antiâ€“glomerular basement membrane disease. Kidney International, 2018, 94, 1141-1150.	5.2	25
90	Properdin Provides Protection from Citrobacter rodentiumâ€“Induced Intestinal Inflammation in a C5a/IL-6â€“Dependent Manner. Journal of Immunology, 2015, 194, 3414-3421.	0.8	24

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91	Use of recombinant calreticulin and cercarial transformation fluid (CTF) in the serodiagnosis of Schistosoma mansoni. Immunobiology, 2011, 216, 379-385.	1.9	23
92	Stimulation of Pancreas and Gastric Carcinoma Cell Growth by Interleukin 3 and Granulocyte-Macrophage Colonyâ€"Stimulating Factor. Gastroenterology, 1991, 100, 1338-1344.	1.3	21
93	Organization of the MASP2 locus and its expression profile in mouse and rat. Mammalian Genome, 2004, 15, 887-900.	2.2	21
94	Human L-ficolin, a Recognition Molecule of the Lectin Activation Pathway of Complement, Activates Complement by Binding to Pneumolysin, the Major Toxin of Streptococcus pneumoniae. PLoS ONE, 2013, 8, e82583.	2.5	20
95	Functional characterization of human mannose-binding lectin-associated serine protease (MASP)-1/3 and MASP-2 promoters, and comparison with the C1s promoter. International Immunology, 2002, 14, 1193-1201.	4.0	19
96	Cardioprotection by an anti-MASP-2 antibody in a murine model of myocardial infarction. Open Heart, 2018, 5, e000652.	2.3	19
97	The Contribution of Complement to the Pathogenesis of IgA Nephropathy: Are Complement-Targeted Therapies Moving from Rare Disorders to More Common Diseases?. Journal of Clinical Medicine, 2021, 10, 4715.	2.4	19
98	Stimulation of pancreas and gastric carcinoma cell growth by interleukin 3 and granulocyte-macrophage colony-stimulating factor. Gastroenterology, 1991, 100, 1338-1344.	1.3	18
99	Growth temperature-dependent expression of structural variants of Listeria monocytogenes lipoteichoic acid. Immunobiology, 2011, 216, 24-31.	1.9	16
100	Absence of the lectin activation pathway of complement does not increase susceptibility to Pseudomonas aeruginosa infections. Immunobiology, 2012, 217, 272-280.	1.9	16
101	Complement factor H in its alternative identity as adrenomedullin-binding protein 1. Molecular Immunology, 2015, 68, 45-48.	2.2	16
102	Stat3 is involved in control of MASP2 gene expression. Biochemical and Biophysical Research Communications, 2007, 364, 1022-1025.	2.1	15
103	Septicaemia models using Streptococcus pneumoniae and Listeria monocytogenes: understanding the role of complement properdin. Medical Microbiology and Immunology, 2014, 203, 257-271.	4.8	15
104	In Vivo Biosynthesis of Endogenous and of Human C1 Inhibitor in Transgenic Mice: Tissue Distribution and Colocalization of Their Expression. Journal of Immunology, 2002, 169, 5948-5954.	0.8	14
105	Murine serine proteases MASP-1 and MASP-3, components of the lectin pathway activation complex of complement, are encoded by a single structural gene. Genes and Immunity, 2003, 4, 374-384.	4.1	14
106	Properdin Regulation of Complement Activation Affects Colitis in Interleukin 10 Geneâ€"Deficient Mice. Inflammatory Bowel Diseases, 2015, 21, 1519-1528.	1.9	14
107	Role of the lectin pathway of complement in hematopoietic stem cell transplantation-associated endothelial injury and thrombotic microangiopathy. Experimental Hematology and Oncology, 2021, 10, 57.	5.0	14
108	Generation of recombinant, carbohydrate-free intercellular adhesion molecule-1 (ICAM-1) and ICAM-1 fragments in Escherichia coli and mapping of epitopes recognized by anti-ICAM-1 monoclonal antibodies. Immunology Letters, 1991, 28, 237-243.	2.5	13

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109	Absence of the Lectin Activation Pathway of Complement Ameliorates Proteinuria-Induced Renal Injury. Frontiers in Immunology, 2019, 10, 2238.	4.8	13
110	Functional MASP2 single nucleotide polymorphism plays no role in psoriasis. British Journal of Dermatology, 2005, 152, 1313-1315.	1.5	12
111	Deficiency in Mannose-Binding Lectin-Associated Serine Protease-2 Does Not Increase Susceptibility to Trypanosoma cruzi Infection. American Journal of Tropical Medicine and Hygiene, 2015, 92, 320-324.	1.4	12
112	Evaluation of Antigens for Development of a Serological Test for Human African Trypanosomiasis. PLoS ONE, 2016, 11, e0168074.	2.5	12
113	Decoupling of Carbohydrate Binding and MASP-2 Autoactivation in Variant Mannose-Binding Lectins Associated with Immunodeficiency. Journal of Immunology, 2005, 175, 6846-6851.	0.8	11
114	In vivo pharmacokinetics of calreticulin S-domain, an inhibitor of the classical complement pathway. International Immunopharmacology, 2002, 2, 415-422.	3.8	8
115	Enterococcus faecalis Escapes Complement-Mediated Killing via Recruitment of Complement Factor H. Journal of Infectious Diseases, 2019, 220, 1061-1070.	4.0	8
116	Human Complement Factor H: Molecular Cloning and cDNA Expression Reveals Variability in the Factor H-Related mRNA Species of 1.4 kb. Immunobiology, 1991, 182, 307-322.	1.9	7
117	Expression of Intercellular Adhesion Molecule-1 (ICAM-1) on Human Monocytes. Immunobiology, 1992, 185, 327-336.	1.9	7
118	Investigations on the Involvement of the Lectin Pathway of Complement Activation in Anaphylaxis. International Archives of Allergy and Immunology, 2006, 141, 11-23.	2.1	7
119	Inhibition of the lectin pathway of complement ameliorates hypocomplementemia and restores serum bactericidal activity in patients with severe COVIDâ€19. Clinical and Translational Medicine, 2022, 12, .	4.0	6
120	Mannan binding lectin associated serine protease-2 (MASP-2) is a critical player in the pathophysiology of renal ischaemia reperfusion (I/R) injury and mediates tissue injury in absence of complement C4. Molecular Immunology, 2009, 46, 2832.	2.2	5
121	Engineering Novel Complement Activity into a Pulmonary Surfactant Protein. Journal of Biological Chemistry, 2010, 285, 10546-10552.	3.4	5
122	Secondary Complement Deficiency Impairs Anti-Microbial Immunity to Klebsiella pneumoniae and Staphylococcus aureus During Severe Acute COVID-19. Frontiers in Immunology, 2022, 13, 841759.	4.8	5
123	Molecular comparison of apocrine released and cytoplasmic resident carbonic anhydrase II. Biochimie, 2003, 85, 939-946.	2.6	4
124	Human complement factor B: Functional properties of a recombinant zymogen of the alternative activation pathway convertase. Immunobiology, 1993, 188, 221-232.	1.9	3
125	Special Issue 8, 2010 introduction. Immunobiology, 2010, 215, 587.	1.9	2
126	Reply to Mortensen et al.: The zymogen form of complement component C1. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E3867-E3868.	7.1	1

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127	Mannose-Binding Lectin in Human Health and Disease. , 2021, , 17-47.		1
128	Mannan-binding Lectin-associated Serine Proteases. , 2013, , 2857-2863.		0
129	The Roles and Contributions of the Complement System in the Pathophysiology of Autoimmune Diseases. , 2014, , 217-227.		0
130	The Roles and Contributions of the Complement System in the Pathophysiology of Autoimmune Diseases. , 2020, , 263-273.		0
131	Complement in Infections. , 0, , 85-95.		0