Wilhelm J Schwaeble

List of Publications by Year in descending order

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31976 49909 8,360 131 53 87 citations h-index g-index papers 139 139 139 6757 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	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
2	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
3	Mannose-Binding Lectin in Human Health and Disease. , 2021, , 17-47.		1
4	Lectin Pathway Mediates Complement Activation by SARS-CoV-2 Proteins. Frontiers in Immunology, 2021, 12, 714511.	4.8	111
5	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
6	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
7	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
8	The Roles and Contributions of the Complement System in the Pathophysiology of Autoimmune Diseases., 2020,, 263-273.		0
9	Absence of the Lectin Activation Pathway of Complement Ameliorates Proteinuria-Induced Renal Injury. Frontiers in Immunology, 2019, 10, 2238.	4.8	13
10	Enterococcus faecalis Escapes Complement-Mediated Killing via Recruitment of Complement Factor H. Journal of Infectious Diseases, 2019, 220, 1061-1070.	4.0	8
11	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
12	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
13	Cardioprotection by an anti-MASP-2 antibody in a murine model of myocardial infarction. Open Heart, 2018, 5, e000652.	2.3	19
14	Structure of the C1r–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
15	Properdin binds independent of complement activation in an in vivo model of anti–glomerular basement membrane disease. Kidney International, 2018, 94, 1141-1150.	5 . 2	25
16	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
17	Evaluation of Antigens for Development of a Serological Test for Human African Trypanosomiasis. PLoS ONE, 2016, 11, e0168074.	2.5	12
18	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

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19	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
20	Collectin-11 detects stress-induced L-fucose pattern to trigger renal epithelial injury. Journal of Clinical Investigation, 2016, 126, 1911-1925.	8.2	118
21	Properdin Regulation of Complement Activation Affects Colitis in Interleukin 10 Gene–Deficient Mice. Inflammatory Bowel Diseases, 2015, 21, 1519-1528.	1.9	14
22	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
23	Properdin Provides Protection from <i>Citrobacter rodentium</i> â€"Induced Intestinal Inflammation in a C5a/IL-6â€"Dependent Manner. Journal of Immunology, 2015, 194, 3414-3421.	0.8	24
24	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
25	Complement factor H in its alternative identity as adrenomedullin-binding protein 1. Molecular Immunology, 2015, 68, 45-48.	2.2	16
26	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
27	Low-dose recombinant properdin provides substantial protection against <i>Streptococcus pneumoniae</i> and <i>Neisseria meningitidis</i> infection. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 5301-5306.	7.1	48
28	The Roles and Contributions of the Complement System in the Pathophysiology of Autoimmune Diseases., 2014,, 217-227.		0
29	Trypanosoma cruzi calreticulin inhibits the complement lectin pathway activation by direct interaction with L-Ficolin. Molecular Immunology, 2014, 60, 80-85.	2.2	45
30	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
31	Targeting Complement at the Time of Transplantation. Advances in Experimental Medicine and Biology, 2013, 735, 247-255.	1.6	30
32	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
33	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
34	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
35	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
36	Mannan-binding Lectin-associated Serine Proteases. , 2013, , 2857-2863.		0

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37	Which pathways trigger the role of complement in ischaemia/reperfusion injury?. Frontiers in Immunology, 2012, 3, 341.	4.8	54
38	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
39	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
40	The complement system in ischemia–reperfusion injuries. Immunobiology, 2012, 217, 1026-1033.	1.9	118
41	Absence of the lectin activation pathway of complement does not increase susceptibility to Pseudomonas aeruginosa infections. Immunobiology, 2012, 217, 272-280.	1.9	16
42	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
43	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
44	Growth temperature-dependent expression of structural variants of Listeria monocytogenes lipoteichoic acid. Immunobiology, 2011, 216, 24-31.	1.9	16
45	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
46	Use of recombinant calreticulin and cercarial transformation fluid (CTF) in the serodiagnosis of Schistosoma mansoni. Immunobiology, 2011, 216, 379-385.	1.9	23
47	The lectin pathway of complement activation contributes to protection from West Nile virus infection. Virology, 2011, 412, 101-109.	2.4	63
48	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
49	Activation of mannanâ€binding lectinâ€associated serine proteases leads to generation of a fibrin clot. Immunology, 2010, 129, 482-495.	4.4	125
50	Engineering Novel Complement Activity into a Pulmonary Surfactant Protein. Journal of Biological Chemistry, 2010, 285, 10546-10552.	3.4	5
51	Antiangiogenic and Antitumor Effects of Trypanosoma cruzi Calreticulin. PLoS Neglected Tropical Diseases, 2010, 4, e730.	3.0	60
52	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
53	The role of properdin in murine zymosan-induced arthritis. Molecular Immunology, 2010, 47, 1458-1466.	2.2	39
54	Paths reunited: Initiation of the classical and lectin pathways of complement activation. Immunobiology, 2010, 215, 1-11.	1.9	135

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55	Special Issue 8, 2010 introduction. Immunobiology, 2010, 215, 587.	1.9	2
56	Direct Complement Restriction of Flavivirus Infection Requires Glycan Recognition by Mannose-Binding Lectin. Cell Host and Microbe, 2010, 8, 186-195.	11.0	78
57	Analogous Interactions in Initiating Complexes of the Classical and Lectin Pathways of Complement. Journal of Immunology, 2009, 182, 7708-7717.	0.8	59
58	C1q, the recognition subcomponent of the classical pathway of complement, drives microglial activation. Journal of Neuroscience Research, 2009, 87, 644-652.	2.9	97
59	Trypanosoma cruzi calreticulin: A possible role in Chagas' disease autoimmunity. Molecular Immunology, 2009, 46, 1092-1099.	2.2	33
60	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
61	Expression of M-Ficolin in human monocytes and macrophages. Molecular Immunology, 2008, 45, 1424-1430.	2.2	32
62	Ficolins: Novel pattern recognition molecules of the innate immune response. Immunobiology, 2008, 213, 297-306.	1.9	120
63	Properdin Deficiency in Murine Models of Nonseptic Shock. Journal of Immunology, 2008, 180, 6962-6969.	0.8	30
64	Properdin Plays a Protective Role in Polymicrobial Septic Peritonitis. Journal of Immunology, 2008, 180, 3313-3318.	0.8	79
65	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
66	Stat3 is involved in control of MASP2 gene expression. Biochemical and Biophysical Research Communications, 2007, 364, 1022-1025.	2.1	15
67	Localization of the mouse defense lectin ficolin B in lysosomes of activated macrophages. Journal of Endotoxin Research, 2006, 12, 120-126.	2.5	31
68	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
69	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
70	Functional MASP2 single nucleotide polymorphism plays no role in psoriasis. British Journal of Dermatology, 2005, 152, 1313-1315.	1.5	12
71	An in vivo role for Trypanosoma cruzi calreticulin in antiangiogenesis. Molecular and Biochemical Parasitology, 2005, 140, 133-140.	1.1	35
72	Does Trypanosoma cruzi calreticulin modulate the complement system and angiogenesis?. Trends in Parasitology, 2005, 21, 169-174.	3.3	33

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73	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
74	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
75	Composition of the Lectin Pathway of Complement in <i>Gallus gallus</i> : Absence of Mannan-Binding Lectin-Associated Serine Protease-1 in Birds. Journal of Immunology, 2005, 174, 4998-5006.	0.8	51
76	Increase of C1q biosynthesis in brain microglia and macrophages during lentivirus infection in the rhesus macaque is sensitive to antiretroviral treatment with 6-chloro- $2\hat{a} \in ^2$, $3\hat{a} \in ^2$ -dideoxyguanosine. Neurobiology of Disease, 2005, 20, 12-26.	4.4	28
77	The Classical Activation Pathway of the Human Complement System Is Specifically Inhibited by Calreticulin from <i>Trypanosoma cruzi</i> . Journal of Immunology, 2004, 172, 3042-3050.	0.8	115
78	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
79	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
80	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
81	Organization of the MASP2 locus and its expression profile in mouse and rat. Mammalian Genome, 2004, 15, 887-900.	2.2	21
82	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
83	Microglial activation and increased synthesis of complement component C1q precedes blood–brain barrier dysfunction in rats. Molecular Immunology, 2004, 40, 709-716.	2.2	86
84	Role of calreticulin from parasites in its interaction with vertebrate hosts. Molecular Immunology, 2004, 40, 1279-1291.	2.2	86
85	Biochemical and functional characterization of the interaction between pentraxin 3 and C1q. European Journal of Immunology, 2003, 33, 465-473.	2.9	317
86	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
87	Molecular comparison of apocrine released and cytoplasmic resident carbonic anhydrase II. Biochimie, 2003, 85, 939-946.	2.6	4
88	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
89	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
90	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

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91	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
92	In vivo pharmacokinetics of calreticulin S-domain, an inhibitor of the classical complement pathway. International Immunopharmacology, 2002, 2, 415-422.	3.8	8
93	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
94	Direct binding of C1q to apoptotic cells and cell blebs induces complement activation. European Journal of Immunology, 2002, 32, 1726.	2.9	276
95	Recombinant expression of human mannan-binding lectin. International Immunopharmacology, 2001, 1, 677-687.	3.8	60
96	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 $1p36.2\hat{a}$ Genes and Immunity, 2001, 2, 119-127.	4.1	42
97	Role of the Classical Pathway of Complement Activation in Experimentally Induced Polymicrobial Peritonitis. Infection and Immunity, 2001, 69, 7304-7309.	2.2	35
98	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
99	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
100	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
101	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
102	Does properdin crosslink the cellular and the humoral immune response?. Trends in Immunology, 1999, 20, 17-21.	7.5	106
103	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
104	Interaction of C1q and the Collectins with the Potential Receptors Calreticulin (cClqR/Collectin) Tj ETQq0 0 0 rgB1	「!Overlock 1.9	₹ 10 Tf 50 2:
105	Neuronal expression of fractalkine in the presence and absence of inflammation. FEBS Letters, 1998, 439, 203-207.	2.8	96
106	Complement and Complement Deficiencies. Seminars in Liver Disease, 1997, 17, 297-310.	3.6	55
107	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
108	A second serine protease associated with mannan-binding lectin that activates complement. Nature, 1997, 386, 506-510.	27.8	799

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109	The C1q and collectin binding site within C1 q receptor (cell surface calreticulin). Immunopharmacology, 1997, 38, 73-80.	2.0	87
110	Localisation of the C1q binding site within C 1 q receptor/calreticulin. FEBS Letters, 1996, 397, 245-249.	2.8	53
111	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
112	Expression of properdin in human monocytes. FEBS Journal, 1994, 219, 759-764.	0.2	53
113	Localization of \hat{l}^2 -opioid receptor mRNA in neuronal subpopulations of rat sensory ganglia and spinal cord. Neuroscience Letters, 1994, 167, 137-140.	2.1	47
114	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
115	Human complement factor B: Functional properties of a recombinant zymogen of the alternative activation pathway convertase. Immunobiology, 1993, 188, 221-232.	1.9	3
116	Expression of intercellular adhesion molecule 1 (ICAM-1, CD54) in colonic epithelial cells Gut, 1993, 34, 1593-1597.	12.1	98
117	Expression of Intercellular Adhesion Molecule-1 (ICAM-1) on Human Monocytes. Immunobiology, 1992, 185, 327-336.	1.9	7
118	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
119	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
120	Human complement factor H. Tissue specificity in the expression of three different mRNA species. FEBS Journal, 1991, 198, 399-404.	0.2	33
121	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
122	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
123	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
124	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
125	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
126	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

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127	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
128	Structural and functional relationships among receptors and regulators of the complement system. Molecular Immunology, 1988, 25, 1043-1051.	2.2	36
129	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
130	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
131	Complement in Infections. , 0, , 85-95.		0