John P Atkinson

List of Publications by Year
in descending order

126 papers	13,009 citations	30551 56 h-index	27587 110 g-index
176 all docs	176 docs citations	176 times ranked	13043 citing authors

#	Article	IF	Citations
1	Alterations of the Primary Cilia Gene SPAG17 and SOX9 Locus Noncoding RNAs Identified by RNAâ€Sequencing Analysis in Patients With Systemic Sclerosis. Arthritis and Rheumatology, 2023, 75, 108-119.	2.9	4
2	Ex VivoandIn VivoCD46 Receptor Utilization by Species D Human Adenovirus Serotype 26 (HAdV26). Journal of Virology, 2022, 96, JVI0082621.	1.5	9
3	C5b-9 and MASP2 deposition in skin and bone marrow microvasculature characterize hematopoietic stem cell transplant-associated thrombotic microangiopathy. Bone Marrow Transplantation, 2022, 57, 1445-1447.	1.3	9
4	Increased complement activation is a distinctive feature of severe SARS-CoV-2 infection. Science Immunology, 2021, 6, .	5.6	153
5	Dengue and the Lectin Pathway of the Complement System. Viruses, 2021, 13, 1219.	1.5	7
6	Membrane cofactor protein (MCP; CD46): deficiency states and pathogen connections. Current Opinion in Immunology, 2021, 72, 126-134.	2.4	36
7	Clinicopathologic Implications of Complement Genetic Variants in Kidney Transplantation. Frontiers in Medicine, 2021, 8, 775280.	1.2	4
8	Impaired tumor necrosis factorâ€Î± secretion by CD4 T cells during respiratory syncytial virus bronchiolitis associated with recurrent wheeze. Immunity, Inflammation and Disease, 2020, 8, 30-39.	1.3	9
9	Targeting complement activation in COVID-19. Blood, 2020, 136, 2000-2001.	0.6	13
10	Lesion evolution and neurodegeneration in RVCL-S. Neurology, 2020, 95, e1918-e1931.	1.5	13
11	Functional Analysis of Rare Genetic Variants in Complement Factor I (CFI) using a Serum-Based Assay in Advanced Age-related Macular Degeneration. Translational Vision Science and Technology, 2020, 9, 37.	1.1	22
12	CD46 and Oncologic Interactions: Friendly Fire against Cancer. Antibodies, 2020, 9, 59.	1.2	19
13	President Kennedy's Adrenals and My Brother's Death. American Journal of Medicine, 2020, 133, 876-877.	0.6	0
14	Local complement activation is associated with primary graft dysfunction after lung transplantation. JCI Insight, 2020, 5, .	2.3	21
15	The complement system in COVID-19: friend and foe?. JCI Insight, 2020, 5, .	2.3	295
16	The beneficial and pathogenic roles of complement in COVID-19. Cleveland Clinic Journal of Medicine, 2020, , .	0.6	5
17	Rare mutations in the complement regulatory gene CSMD1 are associated with male and female infertility. Nature Communications, 2019, 10, 4626.	5.8	24
18	Thiol isomerase ERp57 targets and modulates the lectin pathway of complement activation. Journal of Biological Chemistry, 2019, 294, 4878-4888.	1.6	12

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19	Fat-Produced Adipsin Regulates Inflammatory Arthritis. Cell Reports, 2019, 27, 2809-2816.e3.	2.9	27
20	Reply. Arthritis and Rheumatology, 2019, 71, 1590-1592.	2.9	0
21	Development and Optimization of an ELISA to Quantitate C3(H2O) as a Marker of Human Disease. Frontiers in Immunology, 2019, 10, 703.	2.2	14
22	147â€...Characterization of cell-bound complement activation products on SLE PBMCs using mass cytometry. , 2019, , .		0
23	282â€...Generation of hydrolyzed complement component C3 is substantially elevated in SLE. , 2019, , .		0
24	Intracellular C3 Protects Human Airway Epithelial Cells from Stress-associated Cell Death. American Journal of Respiratory Cell and Molecular Biology, 2019, 60, 144-157.	1.4	58
25	Association of Blood Concentrations of Complement Split Product <scp>iC</scp>3b and Serum C3 With Systemic Lupus Erythematosus Disease Activity. Arthritis and Rheumatology, 2019, 71, 420-430.	2.9	39
26	Hyperfunctional complement C3 promotes C5-dependent atypical hemolytic uremic syndrome in mice. Journal of Clinical Investigation, 2019, 129, 1061-1075.	3.9	23
27	Transcriptional Profiling of Synovial Macrophages Using Minimally Invasive Ultrasoundâ€Guided Synovial Biopsies in Rheumatoid Arthritis. Arthritis and Rheumatology, 2018, 70, 841-854.	2.9	44
28	The complement system in the airway epithelium: An overlooked host defense mechanism and therapeutic target?. Journal of Allergy and Clinical Immunology, 2018, 141, 1582-1586.e1.	1.5	43
29	Contribution of Adipose-Derived Factor D/Adipsin to Complement Alternative Pathway Activation: Lessons from Lipodystrophy. Journal of Immunology, 2018, 200, 2786-2797.	0.4	52
30	Association of immune response with efficacy and safety outcomes in adults with phenylketonuria administered pegvaliase in phase 3 clinical trials. EBioMedicine, 2018, 37, 366-373.	2.7	58
31	<scp>TREX</scp>1 is expressed by microglia in normal human brain and increases in regions affected by ischemia. Brain Pathology, 2018, 28, 806-821.	2.1	15
32	Preface to the Special issue for the 27th International complement workshop. Molecular Immunology, 2018, 102, 1-2.	1.0	0
33	Timing and mechanism of conceptus demise in a complement regulatory membrane protein deficient mouse. American Journal of Reproductive Immunology, 2018, 80, e12997.	1.2	4
34	Complementâ€™s hidden arsenal: New insights and novel functions inside the cell. Molecular Immunology, 2017, 84, 2-9.	1.0	53
35	DNase-active TREX1 frame-shift mutants induce serologic autoimmunity in mice. Journal of Autoimmunity, 2017, 81, 13-23.	3.0	27
36	Complement Dysregulation and Disease: Insights from Contemporary Genetics. Annual Review of Pathology: Mechanisms of Disease, 2017, 12, 25-52.	9.6	70

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37	A C3(H20) recycling pathway is a component of the intracellular complement system. Journal of Clinical Investigation, 2017, 127, 970-981.	3.9	92
38	Early Components of the Complement Classical Activation Pathway in Human Systemic Autoimmune Diseases. Frontiers in Immunology, 2016, 7, 36.	2.2	143
39	Analysis of the Putative Role of CR1 in Alzheimerâ€™s Disease: Genetic Association, Expression and Function. PLoS ONE, 2016, 11, e0149792.	1.1	77
40	The Complement Regulatory Protein CD46 Deficient Mouse Spontaneously Develops Dry-Type Age-Related Macular Degenerationâ€“Like Phenotype. American Journal of Pathology, 2016, 186, 2088-2104.	1.9	43
41	Mapping rare, deleterious mutations in Factor H: Association with early onset, drusen burden and lower antigenic levels in familial AMD. Scientific Reports, 2016, 6, 31531.	1.6	48
42	Regulators of complement activity mediate inhibitory mechanisms through a common C3bâ€binding mode. EMBO Journal, 2016, 35, 1133-1149.	3.5	123
43	Von Willebrand factor regulates complement on endothelial cells. Kidney International, 2016, 90, 123-134.	2.6	53
44	Retinal vasculopathy with cerebral leukoencephalopathy and systemic manifestations. Brain, 2016, 139, 2909-2922.	3.7	114
45	Evolution of the complement system: from defense of the single cell to guardian of the intravascular space. Immunological Reviews, 2016, 274, 9-15.	2.8	96
46	Secreted NS1 Protects Dengue Virus from Mannose-Binding Lectinâ€“Mediated Neutralization. Journal of Immunology, 2016, 197, 4053-4065.	0.4	64
47	A Familial C3GN Secondary to Defective C3 Regulation by Complement Receptor 1 and Complement Factor H. Journal of the American Society of Nephrology: JASN, 2016, 27, 1665-1677.	3.0	39
48	Antibody-drug conjugate targeting CD46 eliminates multiple myeloma cells. Journal of Clinical Investigation, 2016, 126, 4640-4653.	3.9	74
49	CD46 Is Amplified in High-Risk Myeloma with Gain of Chromosome 1q and Selectively Targeted By a Novel Anti-CD46 Antibody-Drug Conjugate. Blood, 2016, 128, 384-384.	0.6	37
50	Mapping interactions between complement C3 and regulators using mutations in atypical hemolytic uremic syndrome. Blood, 2015, 125, 2359-2369.	0.6	112
51	Rare Variants in the Functional Domains of Complement Factor H Are Associated With Age-Related Macular Degeneration. , 2015, 56, 6873.		60
52	Rare genetic variants in the CFI gene are associated with advanced age-related macular degeneration and commonly result in reduced serum factor I levels. Human Molecular Genetics, 2015, 24, 3861-70.	1.4	100
53	A quantitative lateral flow assay to detect complement activation in blood. Analytical Biochemistry, 2015, 477, 78-85.	1.1	45
54	Complement regulator CD46: genetic variants and disease associations. Human Genomics, 2015, 9, 7.	1.4	87

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55	Cytosolic Nuclease TREX1 Regulates Oligosaccharyltransferase Activity Independent of Nuclease Activity to Suppress Immune Activation. Immunity, 2015, 43, 463-474.	6.6	85
56	Autoantibodies to CD59, CD55, CD46 or CD35 are not associated with atypical haemolytic uraemic syndrome (aHUS). Molecular Immunology, 2015, 63, 287-296.	1.0	5
57	Deficient IFN Signaling by Myeloid Cells Leads to MAVS-Dependent Virus-Induced Sepsis. PLoS Pathogens, 2014, 10, e1004086.	2.1	63
58	Genetic variants in the complement system predisposing to age-related macular degeneration: A review. Molecular Immunology, 2014, 61, 118-125.	1.0	113
59	Complement Regulatory Protein CD46 Protects against Choroidal Neovascularization in Mice. American Journal of Pathology, 2014, 184, 2537-2548.	1.9	33
60	Whole-exome sequencing identifies rare, functional CFH variants in families with macular degeneration. Human Molecular Genetics, 2014, 23, 5283-5293.	1.4	95
61	Intracellular Complement Activation Sustains T Cell Homeostasis and Mediates Effector Differentiation. Immunity, 2013, 39, 1143-1157.	6.6	444
62	Immunology of age-related macular degeneration. Nature Reviews Immunology, 2013, 13, 438-451.	10.6	515
63	Analysis of genes coding for <scp>CD</scp>46, <scp>CD</scp>55, and <scp>C</scp>4bâ€binding protein in patients with idiopathic, recurrent, spontaneous pregnancy loss. European Journal of Immunology, 2013, 43, 1617-1629.	1.6	36
64	Rare variants in CFI, C3 and C9 are associated with high risk of advanced age-related macular degeneration. Nature Genetics, 2013, 45, 1366-1370.	9.4	311
65	Complement-Mediated Neutralization of Dengue Virus Requires Mannose-Binding Lectin. MBio, 2011, 2, .	1.8	64
66	Mutations in Complement Regulatory Proteins Predispose to Preeclampsia: A Genetic Analysis of the PROMISSE Cohort. PLoS Medicine, 2011, 8, e1001013.	3.9	240
67	Binding of Flavivirus Nonstructural Protein NS1 to C4b Binding Protein Modulates Complement Activation. Journal of Immunology, 2011, 187, 424-433.	0.4	167
68	Complement regulator CD46 temporally regulates cytokine production by conventional and unconventional T cells. Nature Immunology, 2010, 11, 862-871.	7.0	249
69	Properdin homeostasis requires turnover of the alternative complement pathway. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 19444-19448.	3.3	3
70	Antagonism of the complement component C4 by flavivirus nonstructural protein NS1. Journal of Experimental Medicine, 2010, 207, 793-806.	4.2	239
71	Properdin: Emerging Roles of a Pattern-Recognition Molecule. Annual Review of Immunology, 2010, 28, 131-155.	9.5	197
72	Plasma Complement Components and Activation Fragments: Associations with Age-Related Macular Degeneration Genotypes and Phenotypes. , 2009, 50, 5818.		257

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73	Characterization of mutations in complement factor I (CFI) associated with hemolytic uremic syndrome. Molecular Immunology, 2008, 45, 95-105.	1.0	136
74	Membrane Protein Crry Maintains Homeostasis of the Complement System. Journal of Immunology, 2008, 181, 2732-2740.	0.4	30
75	Smallpox Inhibitor of Complement Enzymes (SPICE): Regulation of Complement Activation on Cells and Mechanism of Its Cellular Attachment. Journal of Immunology, 2008, 181, 4199-4207.	0.4	23
76	Complement Regulatory Genes and Hemolytic Uremic Syndromes. Annual Review of Medicine, 2008, 59, 293-309.	5.0	137
77	Membrane cofactor protein mutations in atypical hemolytic uremic syndrome (aHUS), fatal Stx-HUS, C3 glomerulonephritis, and the HELLP syndrome. Blood, 2008, 111, 624-632.	0.6	131
78	Mutations in complement C3 predispose to development of atypical hemolytic uremic syndrome. Blood, 2008, 112, 4948-4952.	0.6	355
79	Mutations of C3 in Atypical Hemolytic Uremic Syndrome (aHUS). FASEB Journal, 2008, 22, 673.6.	0.2	1
80	Secreted NS1 of Dengue Virus Attaches to the Surface of Cells via Interactions with Heparan Sulfate and Chondroitin Sulfate E. PLoS Pathogens, 2007, 3, e183.	2.1	218
81	Complement factor H and the hemolytic uremic syndrome. Journal of Experimental Medicine, 2007, 204, 1245-1248.	4.2	77
82	Properdin Can Initiate Complement Activation by Binding Specific Target Surfaces and Providing a Platform for De Novo Convertase Assembly. Journal of Immunology, 2007, 179, 2600-2608.	0.4	261
83	Implications of the initial mutations in membrane cofactor protein (MCP; CD46) leading to atypical hemolytic uremic syndrome. Molecular Immunology, 2007, 44, 111-122.	1.0	115
84	Modeling how CD46 deficiency predisposes to atypical hemolytic uremic syndrome. Molecular Immunology, 2007, 44, 1559-1568.	1.0	22
85	T-cell regulation: with complements from innate immunity. Nature Reviews Immunology, 2007, 7, 9-18.	10.6	310
86	Extended haplotypes in the complement factor H (CFH) and CFHâ€related (CFHR) family of genes protect against ageâ€related macular degeneration: Characterization, ethnic distribution and evolutionary implications. Annals of Medicine, 2006, 38, 592-604.	1.5	217
87	Genetic and Functional Analyses of Membrane Cofactor Protein (CD46) Mutations in Atypical Hemolytic Uremic Syndrome. Journal of the American Society of Nephrology: JASN, 2006, 17, 2017-2025.	3.0	211
88	Genetics of HUS: the impact of MCP, CFH, and IF mutations on clinical presentation, response to treatment, and outcome. Blood, 2006, 108, 1267-1279.	0.6	652
89	C5a and FcÂ receptors: a mutual admiration society. Journal of Clinical Investigation, 2006, 116, 304-306.	3.9	26
90	Bypassing complement: evolutionary lessons and future implications. Journal of Clinical Investigation, 2006, 116, 1215-1218.	3.9	39

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91	Extended haplotypes in the complement factor H (CFH) and CFH-related (CFHR) family of genes protect against age-related macular degeneration: characterization, ethnic distribution and evolutionary implications. Annals of Medicine, 2006, 38, 592-604.	1.5	106
92	Hemolytic Uremic Syndrome: An Example of Insufficient Complement Regulation on Self-Tissue. Annals of the New York Academy of Sciences, 2005, 1056, 144-152.	1.8	48
93	Emerging roles and new functions of CD46. Seminars in Immunopathology, 2005, 27, 345-358.	4.0	89
94	Induction of a Regulatory Phenotype in Human CD4+ T Cells by Streptococcal M Protein. Journal of Immunology, 2005, 175, 677-684.	0.4	67
95	Targeted and restricted complement activation on acrosome-reacted spermatozoa. Journal of Clinical Investigation, 2005, 115, 1241-1249.	3.9	55
96	Activation of human CD4+ cells with CD3 and CD46 induces a T-regulatory cell 1 phenotype. Nature, 2003, 421, 388-392.	13.7	550
97	Mutations in human complement regulator, membrane cofactor protein (CD46), predispose to development of familial hemolytic uremic syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 12966-12971.	3.3	388
98	Complement system on the attack in autoimmunity. Journal of Clinical Investigation, 2003, 112, 1639-1641.	3.9	20
99	Cutting Edge: Inhibiting Measles Virus Infection but Promoting Reproduction: An Explanation for Splicing and Tissue-Specific Expression of CD46. Journal of Immunology, 2002, 169, 5405-5409.	0.4	30
100	Characterization of human membrane cofactor protein (MCP; CD46) on spermatozoa. Molecular Reproduction and Development, 2002, 62, 534-546.	1.0	43
101	Attachment of Neisseria gonorrhoeae to the cellular pilus receptor CD46: identification of domains important for bacterial adherence. Cellular Microbiology, 2001, 3, 133-143.	1.1	87
102	Structure-function relationships of complement receptor type 1. Immunological Reviews, 2001, 180, 112-122.	2.8	237
103	C-reactive protein: A rheumatologist's friend revisited. Arthritis and Rheumatism, 2001, 44, 995-996.	6.7	16
104	Dissecting Sites Important for Complement Regulatory Activity in Membrane Cofactor Protein (MCP;) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.6	126
105	Cooperation Between Decay-Accelerating Factor and Membrane Cofactor Protein in Protecting Cells from Autologous Complement Attack. Journal of Immunology, 2000, 165, 3999-4006.	0.4	72
106	Independently Melting Modules and Highly Structured Intermodular Junctions within Complement Receptor Type 1. Biochemistry, 1999, 38, 7019-7031.	1.2	48
107	Novel complement inhibitors. Expert Opinion on Investigational Drugs, 1998, 7, 323-331.	1.9	13
108	Measles Virus Spread and Pathogenesis in Genetically Modified Mice. Journal of Virology, 1998, 72, 7420-7427.	1.5	279

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109	Membrane cofactor protein (MCP or CD46) is a cellular pilus receptor for pathogenic Neisseria. Molecular Microbiology, 1997, 25, 639-647.	1.2	325
110	Control of the Complement System. Advances in Immunology, 1996, 61, 201-283.	1.1	444
111	A remembrance of Fred, the Lowland Gorilla. Arthritis and Rheumatism, 1996, 39, 891-893.	6.7	3
112	Some thoughts on autoimmunity. Arthritis and Rheumatism, 1995, 38, 301-305.	6.7	8
113	Purification and functional properties of soluble forms of membrane cofactor protein (CD46) of complement: identification of forms increased in cancer patients' sera. International Immunology, 1995, 7, 727-736.	1.8	57
114	Analysis of the human regulators of complement activation (RCA) gene cluster with yeast artificial chromosomes (YACs). Genomics, 1992, 12, 289-300.	1.3	78
115	Evolution of the complement system. Trends in Immunology, 1991, 12, 295-300.	7.5	118
116	The Regulators of Complement Activation (RCA) Gene Cluster. Advances in Immunology, 1989, 45, 381-416.	1.1	399
117	Successful management of catastrophic gastrointestinal involvement in polyarteritis nodosa. Arthritis and Rheumatism, 1988, 31, 683-687.	6.7	22
118	Distribution of membrane cofactor protein of complement on human peripheral blood cells. An altered form is found on granulocytes. European Journal of Immunology, 1988, 18, 1289-1294.	1.6	101
119	Deletion of C4A genes in patients with systemic lupus erythematosus. Arthritis and Rheumatism, 1987, 30, 1015-1022.	6.7	124
120	Separation of self from non-self in the complement system. Trends in Immunology, 1987, 8, 212-215.	7.5	151
121	Complement activation and complement receptors in systemic lupus erythematosus. Seminars in Immunopathology, 1986, 9, 179-194.	4.0	45
122	Generation of C3d,g and C3d by Urokinase-Treated Plasma in Association with Fibrinolysis. Complement (Basel, Switzerland), 1985, 2, 165-174.	1.0	24
123	Stimulation of the respiratory burst in human neutrophils by crystal phagocytosis. Arthritis and Rheumatism, 1982, 25, 181-188.	6.7	54
124	Cold dependent activation of complement in systemic lupus erythematosus. Arthritis and Rheumatism, 1981, 24, 592-601.	6.7	22
125	Isolation of a biologically active macrophage receptor for the third component of complement. Nature, 1981, 290, 789-792.	13.7	42
126	Fat Regulates Inflammatory Arthritis. SSRN Electronic Journal, 0, , .	0.4	0