

Rick A Wetsel

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

3,330
citations

218677

26
h-index

233421

45
g-index

49
all docs

49
docs citations

49
times ranked

3890
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of Toll-like receptor-mediated inflammatory response by complement in vivo. <i>Blood</i> , 2007, 110, 228-236.	1.4	327
2	Complement: a novel factor in basal and ischemia-induced neurogenesis. <i>EMBO Journal</i> , 2006, 25, 1364-1374.	7.8	242
3	A pure population of lung alveolar epithelial type II cells derived from human embryonic stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 4449-4454.	7.1	223
4	Structure, function and cellular expression of complement anaphylatoxin receptors. <i>Current Opinion in Immunology</i> , 1995, 7, 48-53.	5.5	204
5	Expression of the Complement Anaphylatoxin C3a and C5a Receptors on Bronchial Epithelial and Smooth Muscle Cells in Models of Sepsis and Asthma. <i>Journal of Immunology</i> , 2001, 166, 2025-2032.	0.8	189
6	Cutting Edge: Targeted Disruption of the C3a Receptor Gene Demonstrates a Novel Protective Anti-Inflammatory Role for C3a in Endotoxin-Shock. <i>Journal of Immunology</i> , 2000, 165, 5406-5409.	0.8	174
7	Absence of the Complement Anaphylatoxin C3a Receptor Suppresses Th2 Effector Functions in a Murine Model of Pulmonary Allergy. <i>Journal of Immunology</i> , 2002, 169, 5926-5933.	0.8	162
8	Genetic disruption of the murine complement C3 promoter region generates deficient mice with extrahepatic expression of C3 mRNA. <i>Immunopharmacology</i> , 1999, 42, 135-149.	2.0	159
9	C3a and C3b Activation Products of the Third Component of Complement (C3) Are Critical for Normal Liver Recovery after Toxic Injury. <i>Journal of Immunology</i> , 2004, 173, 747-754.	0.8	155
10	Carboxypeptidase N: a pleiotropic regulator of inflammation. <i>Molecular Immunology</i> , 2004, 40, 785-793.	2.2	145
11	Targeted Disruption of the <i>CD2-Microglobulin</i> Gene Minimizes the Immunogenicity of Human Embryonic Stem Cells. <i>Stem Cells Translational Medicine</i> , 2015, 4, 1234-1245.	3.3	132
12	Transplantation of Human Embryonic Stem Cell-Derived Alveolar Epithelial Type II Cells Abrogates Acute Lung Injury in Mice. <i>Molecular Therapy</i> , 2010, 18, 625-634.	8.2	124
13	Complement peptide C3a stimulates neural plasticity after experimental brain ischaemia. <i>Brain</i> , 2017, 140, 353-369.	7.6	106
14	The Regulation of Liver Cell Survival by Complement. <i>Journal of Immunology</i> , 2009, 182, 5412-5418.	0.8	91
15	Generation of complement component C5a by ischemic neurons promotes neuronal apoptosis. <i>FASEB Journal</i> , 2012, 26, 3680-3690.	0.5	86
16	Prevention of C5aR1 signaling delays microglial inflammatory polarization, favors clearance pathways and suppresses cognitive loss. <i>Molecular Neurodegeneration</i> , 2017, 12, 66.	10.8	64
17	Expression of the complement C5a anaphylatoxin receptor (C5aR) on non-myeloid cells. <i>Immunology Letters</i> , 1995, 44, 183-187.	2.5	62
18	Disruption of the C5a receptor gene increases resistance to acute Gram-negative bacteremia and endotoxic shock: Opposing roles of C3a and C5a. <i>Molecular Immunology</i> , 2008, 45, 1907-1915.	2.2	61

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19	Receptor for complement peptide C3a: a therapeutic target for neonatal hypoxic-ischemic brain injury. <i>FASEB Journal</i> , 2013, 27, 3797-3804.	0.5	48
20	Complement C5a Induces Renal Injury in Diabetic Kidney Disease by Disrupting Mitochondrial Metabolic Agility. <i>Diabetes</i> , 2020, 69, 83-98.	0.6	48
21	Targeted Disruption of the Gene Encoding the Murine Small Subunit of Carboxypeptidase N (CPN1) Causes Susceptibility to C5a Anaphylatoxin-Mediated Shock. <i>Journal of Immunology</i> , 2009, 182, 6533-6539.	0.8	45
22	Therapeutic Potential of Lung Epithelial Progenitor Cells Derived from Embryonic and Induced Pluripotent Stem Cells. <i>Annual Review of Medicine</i> , 2011, 62, 95-105.	12.2	38
23	The Complement C3a Receptor Is Critical in Defense against <i>Chlamydia psittaci</i> in Mouse Lung Infection and Required for Antibody and Optimal T Cell Response. <i>Journal of Infectious Diseases</i> , 2014, 209, 1269-1278.	4.0	37
24	C3a receptor deficiency accelerates the onset of renal injury in the MRL/lpr mouse. <i>Molecular Immunology</i> , 2009, 46, 1397-1404.	2.2	35
25	The Receptor for the Complement C3a Anaphylatoxin (C3aR) Provides Host Protection against <i>Listeria monocytogenes</i> -Induced Apoptosis. <i>Journal of Immunology</i> , 2014, 193, 1278-1289.	0.8	34
26	Regulation of Autoimmune Germinal Center Reactions in Lupus-Prone BXD2 Mice by Follicular Helper T Cells. <i>PLoS ONE</i> , 2015, 10, e0120294.	2.5	33
27	<i>Bacillus anthracis</i> Spore Surface Protein BclA Mediates Complement Factor H Binding to Spores and Promotes Spore Persistence. <i>PLoS Pathogens</i> , 2016, 12, e1005678.	4.7	30
28	Innate and adaptive immunologic functions of complement in the host response to <i>Listeria monocytogenes</i> infection. <i>Immunobiology</i> , 2016, 221, 1407-1417.	1.9	26
29	Negative Regulation of Pulmonary Th17 Responses by C3a Anaphylatoxin during Allergic Inflammation in Mice. <i>PLoS ONE</i> , 2012, 7, e52666.	2.5	26
30	Complement Anaphylatoxins (C3a, C4a, C5a) and Their Receptors (C3aR, C5aR/CD88) as Therapeutic Targets in Inflammation. , 0, , 113-153.		26
31	Distinct roles of the anaphylatoxin receptors C3aR, C5aR1 and C5aR2 in experimental meningococcal infections. <i>Virulence</i> , 2019, 10, 677-694.	4.4	23
32	Cigarette smoke-induced reduction of C1q promotes emphysema. <i>JCI Insight</i> , 2019, 4, .	5.0	23
33	The C5a Anaphylatoxin Receptor (C5aR1) Protects against <i>Listeria monocytogenes</i> Infection by Inhibiting Type 1 IFN Expression. <i>Journal of Immunology</i> , 2014, 193, 5099-5107.	0.8	19
34	Ablation of the complement C3a anaphylatoxin receptor causes enhanced killing of <i>Pseudomonas aeruginosa</i> in a mouse model of pneumonia. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2006, 291, L157-L165.	2.9	18
35	Circadian Clock and Complement Immune System—Complementary Control of Physiology and Pathology?. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 418.	3.9	18
36	In response to complement anaphylatoxin peptides C3a and C5a, human vascular endothelial cells migrate and mediate the activation of B-cells and polarization of T-cells. <i>FASEB Journal</i> , 2020, 34, 7540-7560.	0.5	16

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37	The Complement Anaphylatoxins C5a and C3a Suppress IFN- γ Production in Response to <i>Listeria monocytogenes</i> by Inhibition of the Cyclic Dinucleotide-Activated Cytosolic Surveillance Pathway. <i>Journal of Immunology</i> , 2017, 198, 3237-3244.	0.8	15
38	A Site-Specific Genetic Modification for Induction of Pluripotency and Subsequent Isolation of Derived Lung Alveolar Epithelial Type II Cells. <i>Stem Cells</i> , 2014, 32, 402-413.	3.2	14
39	Characterization of Mouse Carboxypeptidase N Small Active Subunit Gene Structure. <i>Journal of Immunology</i> , 2001, 166, 6196-6202.	0.8	12
40	Expression of the third complement component (C3) and carboxypeptidase N small subunit (CPN1) during mouse embryonic development. <i>Developmental and Comparative Immunology</i> , 2004, 28, 647-655.	2.3	7
41	Epididymal C4b-binding protein is processed and degraded during transit through the duct and is not essential for fertility. <i>Immunobiology</i> , 2015, 220, 467-475.	1.9	6
42	Derivation and characterization of the human embryonic stem cell line CR-4: Differentiation to human retinal pigment epithelial cells. <i>Stem Cell Research</i> , 2017, 18, 37-40.	0.7	6
43	A Preclinical Safety Study of Human Embryonic Stem Cell-Derived Retinal Pigment Epithelial Cells for Macular Degeneration. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2020, 36, 65-69.	1.4	6
44	Complement Receptor 1 (CR1/CD35)-expressing retinal pigment epithelial cells as a potential therapy for age-related macular degeneration. <i>Molecular Immunology</i> , 2020, 118, 91-98.	2.2	6
45	Carboxypeptidase N-deficient mice present with polymorphic disease phenotypes on induction of experimental autoimmune encephalomyelitis. <i>Immunobiology</i> , 2014, 219, 104-108.	1.9	4
46	The Second Receptor for C5a, C5aR2, Is Detrimental to Mice during Systemic Infection with <i>Listeria monocytogenes</i> . <i>Journal of Immunology</i> , 2019, 203, 2701-2711.	0.8	4
47	C5. , 2018, , 187-201.		1
48	Generation of CDMLe012-A-1 cells: A pluripotent human embryonic stem cell model of Turner's syndrome. <i>Stem Cell Research</i> , 2019, 39, 101508.	0.7	0
49	The receptor for complement anaphylatoxin C5a protects against the development of airway hyperresponsiveness in allergic asthma by inhibiting cysteinyl leukotriene pathway. <i>FASEB Journal</i> , 2008, 22, 671.2.	0.5	0