

K Frank Austen

List of Publications by Year in descending order

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67
papers

5,844
citations

81900

39
h-index

102487

66
g-index

70
all docs

70
docs citations

70
times ranked

4142
citing authors

#	ARTICLE	IF	CITATIONS
1	Mediation of local homeostasis and inflammation by leukotrienes and other mast cell-dependent compounds. <i>Nature</i> , 1981, 293, 103-108.	27.8	495
2	T Helper Cell Type 2 Cytokine-Mediated Comitogenic Responses and Ccr3 Expression during Differentiation of Human Mast Cells in Vitro. <i>Journal of Experimental Medicine</i> , 1999, 190, 267-280.	8.5	323
3	Expression profiling of constitutive mast cells reveals a unique identity within the immune system. <i>Nature Immunology</i> , 2016, 17, 878-887.	14.5	293
4	AN EOSINOPHIL LEUKOCYTE CHEMOTACTIC FACTOR OF ANAPHYLAXIS. <i>Journal of Experimental Medicine</i> , 1971, 133, 602-619.	8.5	282
5	The Complement System of Man. <i>New England Journal of Medicine</i> , 1972, 287, 489-495.	27.0	279
6	Advances in the Classification and Treatment of Mastocytosis: Current Status and Outlook toward the Future. <i>Cancer Research</i> , 2017, 77, 1261-1270.	0.9	210
7	Effects of dietary supplementation with marine fish oil on leukocyte lipid mediator generation and function in rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 1987, 30, 988-997.	6.7	207
8	THE MODULATING INFLUENCE OF CYCLIC NUCLEOTIDES UPON LYMPHOCYTE-MEDIATED CYTOTOXICITY. <i>Journal of Experimental Medicine</i> , 1973, 138, 381-393.	8.5	180
9	The Diverse Roles of Mast Cells. <i>Journal of Experimental Medicine</i> , 2001, 194, F1-F6.	8.5	180
10	Mechanical Skin Injury Promotes Food Anaphylaxis by Driving Intestinal Mast Cell Expansion. <i>Immunity</i> , 2019, 50, 1262-1275.e4.	14.3	158
11	Identification of GPR99 Protein as a Potential Third Cysteinyl Leukotriene Receptor with a Preference for Leukotriene E4 Ligand. <i>Journal of Biological Chemistry</i> , 2013, 288, 10967-10972.	3.4	156
12	A NEUTROPHIL-IMMOBILIZING FACTOR DERIVED FROM HUMAN LEUKOCYTES. <i>Journal of Experimental Medicine</i> , 1972, 136, 1564-1580.	8.5	154
13	Specific release of proteoglycans from human natural killer cells during target lysis. <i>Nature</i> , 1985, 318, 289-291.	27.8	148
14	Cyclosporin A Treatment of Refractory Rheumatoid Arthritis. <i>Arthritis and Rheumatism</i> , 1987, 30, 11-17.	6.7	134
15	Targeted Gene Disruption Reveals the Role of the Cysteinyl Leukotriene 2 Receptor in Increased Vascular Permeability and in Bleomycin-induced Pulmonary Fibrosis in Mice. <i>Journal of Biological Chemistry</i> , 2004, 279, 46129-46134.	3.4	134
16	Attenuated Zymosan-induced Peritoneal Vascular Permeability and IgE-dependent Passive Cutaneous Anaphylaxis in Mice Lacking Leukotriene C4 Synthase. <i>Journal of Biological Chemistry</i> , 2001, 276, 22608-22613.	3.4	133
17	Cysteinyl Leukotrienes Regulate Th2 Cell-Dependent Pulmonary Inflammation. <i>Journal of Immunology</i> , 2006, 176, 4440-4448.	0.8	132
18	Leukotrienes provide an NFAT-dependent signal that synergizes with IL-33 to activate ILC2s. <i>Journal of Experimental Medicine</i> , 2017, 214, 27-37.	8.5	132

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19	The cysteinyl leukotriene 3 receptor regulates expansion of IL-25 ⁺ producing airway brush cells leading to type 2 inflammation. <i>Science Immunology</i> , 2018, 3, .	11.9	125
20	Targeted Gene Disruption Reveals the Role of Cysteinyl Leukotriene 1 Receptor in the Enhanced Vascular Permeability of Mice Undergoing Acute Inflammatory Responses. <i>Journal of Biological Chemistry</i> , 2002, 277, 20820-20824.	3.4	119
21	Mast cells as a unique hematopoietic lineage and cell system: From Paul Ehrlich's visions to precision medicine concepts. <i>Theranostics</i> , 2020, 10, 10743-10768.	10.0	107
22	Acute and chronic suppression of leukotriene B ₄ synthesis EX vivo in neutrophils from patients with rheumatoid arthritis beginning treatment with methotrexate. <i>Arthritis and Rheumatism</i> , 1992, 35, 376-384.	6.7	99
23	Leukotriene E ₄ elicits respiratory epithelial cell mucin release through the G-protein ⁻ coupled receptor, GPR99. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 6242-6247.	7.1	99
24	The leukotriene E ₄ puzzle: Finding the missing pieces and revealing the pathobiologic implications. <i>Journal of Allergy and Clinical Immunology</i> , 2009, 124, 406-414.	2.9	93
25	The role of antibody in the activation of the alternative complement pathway. <i>Seminars in Immunopathology</i> , 1983, 6, 361-371.	4.0	92
26	The Complement System of Man. <i>New England Journal of Medicine</i> , 1972, 287, 642-646.	27.0	88
27	IGE AND IGGA ANTIBODY-MEDIATED RELEASE OF HISTAMINE FROM RAT PERITONEAL CELLS. <i>Journal of Experimental Medicine</i> , 1971, 133, 752-771.	8.5	87
28	gp49B1- β 2 interaction inhibits antigen-induced mast cell activation. <i>Nature Immunology</i> , 2001, 2, 436-442.	14.5	84
29	Total hemolytic complement (CH ₅₀) and second component of complement (C ₂ hu) activity in serum and synovial fluid. <i>Arthritis and Rheumatism</i> , 1965, 8, 219-232.	6.7	76
30	AAAAI Mast Cell Disorders Committee Work Group Report: Mast cell activation syndrome (MCAS) diagnosis and management. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 144, 883-896.	2.9	72
31	The Complement System of Man. <i>New England Journal of Medicine</i> , 1972, 287, 592-596.	27.0	68
32	Inhibition of Leukotriene B ₄ synthesis in neutrophils from patients with rheumatoid arthritis by a single oral dose of methotrexate. <i>Arthritis and Rheumatism</i> , 1990, 33, 1149-1155.	6.7	63
33	Total lymphoid irradiation therapy in refractory rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 1984, 27, 481-488.	6.7	62
34	Increased Severity of Local and Systemic Anaphylactic Reactions in Gp49b1-Deficient Mice. <i>Journal of Experimental Medicine</i> , 2001, 194, 227-234.	8.5	62
35	Phospholipase A ₂ Enzymes in Eicosanoid Generation. <i>Proceedings of the Association of American Physicians</i> , 1999, 111, 516-524.	2.0	61
36	The CysLT ₂ R receptor mediates leukotriene C ₄ -driven acute and chronic itch. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	57

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37	The Complement System of Man. <i>New England Journal of Medicine</i> , 1972, 287, 545-549.	27.0	55
38	IGE AND IGGA ANTIBODY-MEDIATED RELEASE OF HISTAMINE FROM RAT PERITONEAL CELLS. <i>Journal of Experimental Medicine</i> , 1971, 133, 772-784.	8.5	54
39	Cysteinyl leukotriene 2 receptor promotes endothelial permeability, tumor angiogenesis, and metastasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 199-204.	7.1	43
40	Lineage-specific regulation of inducible and constitutive mast cells in allergic airway inflammation. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	42
41	The cysteinyl leukotrienes: Where do they come from? What are they? Where are they going?. <i>Nature Immunology</i> , 2008, 9, 113-115.	14.5	40
42	The Complement Components of the Major Histocompatibility Locus. <i>Critical Reviews in Biochemistry</i> , 1984, 16, 1-19.	7.5	37
43	Molecular Cloning, Expression and Characterization of Mouse Leukotriene C4 Synthase. <i>FEBS Journal</i> , 1996, 238, 606-612.	0.2	34
44	Roles of cysteinyl leukotrienes and their receptors in immune cell-related functions. <i>Advances in Immunology</i> , 2019, 142, 65-84.	2.2	33
45	The Biochemical, Molecular, and Genomic Aspects of Leukotriene C4 Synthase. <i>Proceedings of the Association of American Physicians</i> , 1999, 111, 537-546.	2.0	32
46	Mast Cell Mediation of Muscle and Pulmonary Injury Following Hindlimb Ischemiaâ€“Reperfusion. <i>Journal of Histochemistry and Cytochemistry</i> , 2001, 49, 1055-1056.	2.5	26
47	MODULATION OF FUNCTION OF THE ACTIVATED FIRST COMPONENT OF COMPLEMENT BY A FRAGMENT DERIVED FROM SERUM. <i>Journal of Experimental Medicine</i> , 1971, 134, 1466-1484.	8.5	24
48	CysLT1 Receptor Is Protective against Oxidative Stress in a Model of Irritant-Induced Asthma. <i>Journal of Immunology</i> , 2016, 197, 266-277.	0.8	20
49	Molecular Cloning of the Gene for Mouse Leukotriene-C4 Synthase. <i>FEBS Journal</i> , 1997, 248, 807-813.	0.2	17
50	The Natural Modulation of the Amplification Phase of Complement Activation. <i>Immunological Reviews</i> , 1976, 32, 12-25.	6.0	16
51	Intraarticular activation of the complement system in patients with juvenile rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 1976, 19, 161-168.	6.7	15
52	2,000-Centigray total lymphoid irradiation for refractory rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 1987, 30, 980-987.	6.7	15
53	A Chemotactic Receptor for VAL(ALA)-GLY-SER-GLU on Human Eosinophil Polymorphonuclear Leukocytes. <i>Immunological Investigations</i> , 1976, 5, 469-479.	0.8	14
54	Influence of the Fibroblast Environment on the Structure of Mast Cell Proteoglycans. <i>Annals of the New York Academy of Sciences</i> , 1989, 556, 233-244.	3.8	12

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55	B Cells Regulate CD4+ T Cell Responses to Papain following B Cell Receptor-Independent Papain Uptake. <i>Journal of Immunology</i> , 2014, 193, 529-539.	0.8	11
56	Chemical Mediators of Immediate Hypersensitivity. <i>Hospital Practice</i> (1995), 1971, 6, 79-89.	1.0	10
57	Additional functions for the cysteinyl leukotrienes recognized through studies of inflammatory processes in null strains. <i>Prostaglandins and Other Lipid Mediators</i> , 2007, 83, 182-187.	1.9	10
58	Perspectives on Additional Areas for Research in Leukotrienes. <i>Annals of the New York Academy of Sciences</i> , 1988, 524, xi-xxv.	3.8	7
59	Cytokine Regulation of Mast Cell Protease Phenotype and Arachidonic Acid Metabolism. <i>Annals of the New York Academy of Sciences</i> , 1994, 744, 84-98.	3.8	5
60	Resolution of a human mast cell development conundrum. <i>Blood</i> , 2017, 130, 1777-1778.	1.4	5
61	Mentoring: An art and a responsibility. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 880-881.	2.9	5
62	Doing What I Like. <i>Annual Review of Immunology</i> , 2008, 26, 1-28.	21.8	2
63	The Discovery of Discrete Developmental Pathways Directing Constitutive and Induced Mast Cells in Mice. <i>Journal of Immunology</i> , 2021, 207, 359-361.	0.8	2
64	Acceptance of the Kober Medal It only gets better. <i>Journal of Clinical Investigation</i> , 2004, 114, 1177-1177.	8.2	2
65	Different Mast Cell Mediators Produced by Different Mast Cell Phenotypes. <i>Novartis Foundation Symposium</i> , 1989, 147, 36-52.	1.1	2
66	The Presence of v-abl-transformed V3 Mast Cells in the Lungs Augments Pulmonary Vascular Permeability to Acid Aspiration. <i>Journal of Histochemistry and Cytochemistry</i> , 2001, 49, 793-794.	2.5	0
67	Role of Cysteinyl Leukotriene 2 Receptor in Tumor Angiogenesis, Permeability and Metastasis. <i>FASEB Journal</i> , 2019, 33, 489.7.	0.5	0