

Andrew F Walls

List of Publications by Year in descending order

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102
papers

7,258
citations

53751

45
h-index

56687

83
g-index

102
all docs

102
docs citations

102
times ranked

5979
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of the mast cell in the pathophysiology of asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2006, 117, 1277-1284.	1.5	477
2	Quantitation of Mast Cells and Eosinophils in the Bronchial Mucosa of Symptomatic Atopic Asthmatics and Healthy Control Subjects Using Immunohistochemistry. <i>The American Review of Respiratory Disease</i> , 1990, 142, 863-871.	2.9	452
3	Suspected Anaphylactic Reactions Associated with Anaesthesia. <i>Anaesthesia</i> , 2009, 64, 199-211.	1.8	327
4	Mast cell tryptase stimulates the synthesis of type I collagen in human lung fibroblasts.. <i>Journal of Clinical Investigation</i> , 1997, 99, 1313-1321.	3.9	278
5	Risk assessment in anaphylaxis: Current and future approaches. <i>Journal of Allergy and Clinical Immunology</i> , 2007, 120, S2-S24.	1.5	237
6	Mast cell tryptase is a mitogen for epithelial cells. Stimulation of IL-8 production and intercellular adhesion molecule-1 expression. <i>Journal of Immunology</i> , 1996, 156, 275-83.	0.4	228
7	Basophil recruitment and activation in inflammatory skin diseases. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2011, 66, 1107-1113.	2.7	216
8	Segmental Bronchoprovocation in Allergic Rhinitis Patients Affects Mast Cell and Basophil Numbers in Nasal and Bronchial Mucosa. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2001, 164, 858-865.	2.5	185
9	Innate and adaptive T cells in asthmatic patients: Relationship to severity and disease mechanisms. <i>Journal of Allergy and Clinical Immunology</i> , 2015, 136, 323-333.	1.5	178
10	Basophils, eosinophils, and mast cells in atopic and nonatopic asthma and in late-phase allergic reactions in the lung and skin. <i>Journal of Allergy and Clinical Immunology</i> , 2000, 105, 99-107.	1.5	172
11	C-C chemokines in allergen-induced late-phase cutaneous responses in atopic subjects: association of eotaxin with early 6-hour eosinophils, and of eotaxin-2 and monocyte chemoattractant protein-4 with the later 24-hour tissue eosinophilia, and relationship to basophils and other C-C chemokines (monocyte chemoattractant protein-3 and RANTES). <i>Journal of Immunology</i> , 1999, 163, 3976-84.	0.4	170
12	Tryptase and agonists of PAR-2 induce the proliferation of human airway smooth muscle cells. <i>Journal of Applied Physiology</i> , 2001, 91, 1372-1379.	1.2	169
13	Immunohistochemical identification of mast cells in formaldehyde-fixed tissue using monoclonal antibodies specific for tryptase. <i>Journal of Pathology</i> , 1990, 162, 119-126.	2.1	164
14	Potent induction of a neutrophil and eosinophil-rich infiltrate in vivo by human mast cell tryptase: selective enhancement of eosinophil recruitment by histamine. <i>Journal of Immunology</i> , 1997, 159, 6216-25.	0.4	158
15	Human mast cell tryptase: a stimulus of microvascular leakage and mast cell activation. <i>European Journal of Pharmacology</i> , 1997, 328, 89-97.	1.7	147
16	Tryptase-stimulated human airway smooth muscle cells induce cytokine synthesis and mast cell Chemotaxis. <i>FASEB Journal</i> , 2003, 17, 1-22.	0.2	145
17	Human mast cell chymase induces the accumulation of neutrophils, eosinophils and other inflammatory cells in vivo. <i>British Journal of Pharmacology</i> , 1998, 125, 1491-1500.	2.7	142
18	NADPH Oxidase-Independent Formation of Extracellular DNA Traps by Basophils. <i>Journal of Immunology</i> , 2014, 192, 5314-5323.	0.4	138

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19	The role of mast cell tryptase in regulating endothelial cell proliferation, cytokine release, and adhesion molecule expression: tryptase induces expression of mRNA for IL-1 beta and IL-8 and stimulates the selective release of IL-8 from human umbilical vein endothelial cells. <i>Journal of Immunology</i> , 1998, 161, 1939-46.	0.4	135
20	Evidence for Local Eosinophil Differentiation Within Allergic Nasal Mucosa: Inhibition with Soluble IL-5 Receptor. <i>Journal of Immunology</i> , 2000, 164, 1538-1545.	0.4	126
21	Biomarkers of the involvement of mast cells, basophils and eosinophils in asthma and allergic diseases. <i>World Allergy Organization Journal</i> , 2016, 9, 7.	1.6	124
22	A role for tryptase in the activation of human mast cells: modulation of histamine release by tryptase and inhibitors of tryptase. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 1998, 286, 289-97.	1.3	110
23	Impaired Uptake of Serotonin by Platelets From Patients With Irritable Bowel Syndrome Correlates With Duodenal Immune Activation. <i>Gastroenterology</i> , 2011, 140, 1434-1443.e1.	0.6	109
24	Production and characterization of monoclonal antibodies specific for human mast cell tryptase. <i>Clinical and Experimental Allergy</i> , 1990, 20, 581-589.	1.4	93
25	Mast Cell Activation in Arthritis: Detection of β - and α -tryptase, Histamine and Eosinophil Cationic Protein in Synovial Fluid. <i>Clinical Science</i> , 1997, 93, 363-370.	1.8	93
26	Human mast cell tryptase attenuates the vasodilator activity of calcitonin generated peptide. <i>Biochemical Pharmacology</i> , 1992, 43, 1243-1248.	2.0	85
27	A mechanistic multicentre, parallel group, randomised placebo-controlled trial of mesalazine for the treatment of IBS with diarrhoea (IBS-D). <i>Gut</i> , 2016, 65, 91-99.	6.1	85
28	Regulation of the activity of human chymase during storage and release from mast cells: The contributions of inorganic cations, pH, heparin and histamine. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1995, 1267, 115-121.	1.9	74
29	Basophil and eosinophil accumulation and mast cell degranulation in the nasal mucosa of patients with hay fever after local allergen provocation. <i>Journal of Allergy and Clinical Immunology</i> , 2000, 106, 677-686.	1.5	73
30	A Polymorphic Protease-activated Receptor 2 (PAR2) Displaying Reduced Sensitivity to Trypsin and Differential Responses to PAR Agonists. <i>Journal of Biological Chemistry</i> , 2000, 275, 39207-39212.	1.6	67
31	Desquamation of human coronary artery endothelium by human mast cell proteases: implications for plaque erosion. <i>Coronary Artery Disease</i> , 2006, 17, 611-621.	0.3	67
32	Mast cell tryptase as a mediator of hyperresponsiveness in human isolated bronchi. <i>Clinical and Experimental Allergy</i> , 1999, 29, 804-812.	1.4	65
33	Activation markers of human basophils: CD69 expression is strongly and preferentially induced by IL-3. <i>Journal of Allergy and Clinical Immunology</i> , 2002, 109, 817-823.	1.5	63
34	Basophils Infiltrate Human Gastric Mucosa at Sites of <i>Helicobacter pylori</i> Infection, and Exhibit Chemotaxis in Response to <i>H. pylori</i> -derived Peptide Hp(20). <i>Journal of Immunology</i> , 2004, 172, 7734-7743.	0.4	63
35	Mucosal T-cell phenotypes in persistent atopic and nonatopic rhinitis show an association with mast cells. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2004, 59, 204-212.	2.7	63
36	The anaphylaxis hypothesis of sudden infant death syndrome (SIDS): mast cell degranulation in cot death revealed by elevated concentrations of tryptase in serum. <i>Clinical and Experimental Allergy</i> , 1994, 24, 1115-1122.	1.4	57

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37	Repeated <i>Amblyomma testudinarium</i> tick bites are associated with increased galactose- β -1,3-galactose carbohydrate IgE antibody levels: A retrospective cohort study in a single institution. <i>Journal of the American Academy of Dermatology</i> , 2018, 78, 1135-1141.e3.	0.6	56
38	Inhibitors of Tryptase as Mast Cell-Stabilizing Agents in the Human Airways: Effects of Tryptase and Other Agonists of Proteinase-Activated Receptor 2 on Histamine Release. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 309, 119-126.	1.3	55
39	Immunoglobulin E-induced Passive Sensitization of Human Airways. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1998, 157, 610-616.	2.5	54
40	Elevated serum concentrations of β -tryptase, but not α -tryptase, in Sudden Infant Death Syndrome (SIDS). An investigation of anaphylactic mechanisms. <i>Clinical and Experimental Allergy</i> , 2001, 31, 1696-1704.	1.4	52
41	Granulocyte Recruitment by Human Mast Cell Tryptase. <i>International Archives of Allergy and Immunology</i> , 1995, 107, 372-373.	0.9	51
42	Inhibitors of chymase as mast cell-stabilizing agents: contribution of chymase in the activation of human mast cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 1999, 291, 517-23.	1.3	51
43	The induction of a prolonged increase in microvascular permeability by human mast cell chymase. <i>European Journal of Pharmacology</i> , 1998, 352, 91-98.	1.7	50
44	Identification of Basogranulin (BB1) as a Novel Immunohistochemical Marker of Basophils in Normal Bone Marrow and Patients With Myeloproliferative Disorders. <i>American Journal of Clinical Pathology</i> , 2006, 125, 273-281.	0.4	50
45	Mast cell subpopulations in the synovial tissue of patients with osteoarthritis: selective increase in numbers of tryptase-positive, chymase-negative mast cells. , 1998, 186, 67-74.		49
46	The inhibition of mast cell activation by neutrophil lactoferrin: uptake by mast cells and interaction with tryptase, chymase and cathepsin G. <i>Biochemical Pharmacology</i> , 2003, 65, 1007-1015.	2.0	47
47	Release and Inactivation of Interleukin-4 by Mast Cells. <i>Annals of the New York Academy of Sciences</i> , 1994, 725, 50-58.	1.8	44
48	Evidence of mast-cell activation in a subset of patients with eosinophilic chronic obstructive pulmonary disease. <i>European Respiratory Journal</i> , 2002, 20, 325-331.	3.1	44
49	Human mast cell tryptase stimulates the release of an IL-8-dependent neutrophil chemotactic activity from human umbilical vein endothelial cells (HUVEC). <i>Clinical and Experimental Immunology</i> , 2000, 121, 31-36.	1.1	43
50	Chymase-positive mast cells in small sized adenocarcinoma of the lung. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2003, 443, 565-573.	1.4	42
51	Number, fixation properties, dye-binding and protease expression of duodenal mast cells: comparisons between healthy subjects and patients with gastritis or Crohn's disease. <i>The Histochemical Journal</i> , 1997, 29, 759-773.	0.6	41
52	The release of basogranulin in response to IgE-dependent and IgE-independent stimuli: Validity of basogranulin measurement as an indicator of basophil activation. <i>Journal of Allergy and Clinical Immunology</i> , 2003, 112, 102-108.	1.5	41
53	Multidimensional endotypes of asthma: topological data analysis of cross-sectional clinical, pathological, and immunological data. <i>Lancet, The</i> , 2015, 385, S42.	6.3	38
54	Mass, charge, and subcellular localization of a unique secretory product identified by the basophil-specific antibody BB1. <i>Journal of Allergy and Clinical Immunology</i> , 2001, 107, 842-848.	1.5	37

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55	Basophil infiltration in eosinophilic oesophagitis and proton pump inhibitor-responsive oesophageal eosinophilia. <i>Alimentary Pharmacology and Therapeutics</i> , 2015, 41, 776-784.	1.9	37
56	Guinea pig lung tryptase. <i>Biochemical Pharmacology</i> , 1996, 52, 331-340.	2.0	35
57	The kininogenase activity of human mast cell tryptase. <i>Biochemical Society Transactions</i> , 1992, 20, 260S-260S.	1.6	33
58	Polymorphism of the mast cell chymase gene (CMA1) promoter region: lack of association with asthma but association with serum total immunoglobulin E levels in adult atopic dermatitis. <i>Clinical and Experimental Allergy</i> , 2004, 34, 1037-1042.	1.4	33
59	The activation of synovial mast cells: modulation of histamine release by tryptase and chymase and their inhibitors. <i>European Journal of Pharmacology</i> , 2001, 412, 223-229.	1.7	32
60	Mast cell chymase impairs bronchial epithelium integrity by degrading cell junction molecules of epithelial cells. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2019, 74, 1266-1276.	2.7	32
61	Eosinophils, basophils and type 2 immune microenvironments in COPD-affected lung tissue. <i>European Respiratory Journal</i> , 2020, 55, 1900110.	3.1	32
62	Mast cell hyperplasia in atopic keratoconjunctivitis. <i>Eye</i> , 1991, 5, 729-735.	1.1	30
63	The conversion of recombinant human mast cell prochymase to enzymatically active chymase by dipeptidyl peptidase I is inhibited by heparin and histamine. <i>FEBS Journal</i> , 1998, 253, 300-308.	0.2	30
64	Chemokine-Induced Cutaneous Inflammatory Cell Infiltration in a Model of Hu-PBMC-SCID Mice Grafted with Human Skin. <i>American Journal of Pathology</i> , 2001, 158, 1053-1063.	1.9	30
65	Roles of the mast cell and basophil in asthma. <i>Clinical and Experimental Allergy Reviews</i> , 2001, 1, 68-72.	0.3	30
66	The detection of mast cell subpopulations in formalin-fixed human tissues using a new monoclonal antibody specific for chymase. , 1999, 189, 138-143.		28
67	Inhibition of dipeptidyl peptidase I in the human mast cell line HMC-1: blocked activation of tryptase, but not of the predominant chymotryptic activity. <i>Biochemical Pharmacology</i> , 2003, 66, 2251-2262.	2.0	28
68	The heterogeneity of mast cell tryptase from human lung and skin. Differences in size, charge and substrate affinity. <i>FEBS Journal</i> , 2003, 270, 270-283.	0.2	28
69	<i>Staphylococcus aureus</i> internalization in mast cells in nasal polyps: Characterization of interactions and potential mechanisms. <i>Journal of Allergy and Clinical Immunology</i> , 2020, 145, 147-159.	1.5	28
70	Inflammatory mediators and cellular infiltration of the lungs in a guinea pig model of the late asthmatic reaction. <i>Lung</i> , 1991, 169, 227-240.	1.4	25
71	Modulation of basophil activity: A novel function of the neuropeptide β -melanocyte-stimulating hormone. <i>Journal of Allergy and Clinical Immunology</i> , 2012, 129, 1085-1093.	1.5	25
72	cDNA sequence of two sheep mast cell tryptases and the differential expression of tryptase and sheep mast cell proteinase-1 in lung, dermis and gastrointestinal tract. <i>Clinical and Experimental Allergy</i> , 2000, 30, 818.	1.4	25

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73	Practical allergy (PRACTALL) report: risk assessment in anaphylaxis. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2008, 63, 35-37.	2.7	23
74	Selective Alterations in Mast Cell Subsets and Eosinophil Infiltration in Two Complementary Types of Intestinal Inflammation: Ascariasis and Crohn's Disease. <i>Pathobiology</i> , 2002, 70, 303-313.	1.9	22
75	CCR3-Blocking Antibody Inhibits Allergen-Induced Eosinophil Recruitment in Human Skin Xenografts from Allergic Patients. <i>Laboratory Investigation</i> , 2002, 82, 929-939.	1.7	22
76	Alveolar T-helper type-2 immunity in atopic asthma is associated with poor clinical control. <i>Clinical Science</i> , 2015, 128, 47-56.	1.8	21
77	Liposomes for allergy immunotherapy?. <i>Clinical and Experimental Allergy</i> , 1992, 22, 1-2.	1.4	20
78	Hyperexpression of the High-Affinity IgE Receptor- β Chain in Chronic Allergic Keratoconjunctivitis. , 2009, 50, 2871.		20
79	Altered Expression of Brain Proteinase-Activated Receptor-2, Trypsin-2 and Serpin Proteinase Inhibitors in Parkinson's Disease. <i>Journal of Molecular Neuroscience</i> , 2015, 57, 48-62.	1.1	19
80	Distribution of mast cell subtypes in interstitial cystitis: implications for novel diagnostic and therapeutic strategies?. <i>Journal of Clinical Pathology</i> , 2018, 71, 840-844.	1.0	19
81	Alpha-tryptase gene variation is associated with levels of circulating IgE and lung function in asthma. <i>Clinical and Experimental Allergy</i> , 2014, 44, 822-830.	1.4	18
82	Two distinct forms of human mast cell chymase. Differences in affinity for heparin and in distribution in skin, heart, and other tissues. <i>FEBS Journal</i> , 1998, 256, 461-470.	0.2	17
83	Up-regulation of protease-activated receptor-2 by bFGF in cultured human synovial fibroblasts. <i>Life Sciences</i> , 2006, 79, 898-904.	2.0	17
84	CCR5 Usage by CCL5 Induces a Selective Leukocyte Recruitment in Human Skin Xenografts In Vivo. <i>Journal of Investigative Dermatology</i> , 2006, 126, 2057-2064.	0.3	13
85	Comparison of basophil infiltration into the skin between eosinophilic pustular folliculitis and neutrophilic folliculitis. <i>Journal of the European Academy of Dermatology and Venereology</i> , 2012, 26, 527-529.	1.3	12
86	Structure and Function of Human Mast Cell Tryptase. , 2000, , 291-309.		11
87	Immunological profiling of key inflammatory drivers of nasal polyp formation and growth in chronic rhinosinusitis. <i>Rhinology</i> , 2019, 57, 0-0.	0.7	10
88	The return of the basophil. <i>Clinical and Experimental Allergy</i> , 2002, 32, 8-10.	1.4	9
89	Basophils in the giant papillae of chronic allergic keratoconjunctivitis. <i>British Journal of Ophthalmology</i> , 2010, 94, 513-518.	2.1	9
90	Neutrophilia, gelatinase release and microvascular leakage induced by human mast cell tryptase in a mouse model: Lack of a role of protease-activated receptor 2 (PAR2). <i>Clinical and Experimental Allergy</i> , 2018, 48, 555-567.	1.4	9

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91	Purification and Characterization of Mast Cell Tryptase and Chymase from Human Tissues. <i>Methods in Molecular Medicine</i> , 2008, 138, 299-317.	0.8	9
92	Discriminating between the activities of human cathepsin G and chymase using fluorogenic substrates. <i>FEBS Journal</i> , 2011, 278, 2635-2646.	2.2	8
93	The regulatory role of Dipeptidyl peptidase I on the activation of immune granulocytes. <i>Cell Biology International</i> , 2017, 41, 1093-1102.	1.4	8
94	Detection of Mast Cells and Basophils by Immunohistochemistry. <i>Methods in Molecular Biology</i> , 2014, 1192, 117-134.	0.4	8
95	Detection of Mast Cells and Basophils by Immunohistochemistry. <i>Methods in Molecular Biology</i> , 2020, 2163, 263-280.	0.4	6
96	<i>Staphylococcus aureus</i> internalisation enhances bacterial survival through modulation of host immune responses and mast cell activation. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 1893-1896.	2.7	3
97	Allergen-induced upregulation of protease activated receptor 2 (PAR-2) expression in the bronchial epithelium of asthmatics. <i>Journal of Allergy and Clinical Immunology</i> , 2002, 109, S83-S83.	1.5	2
98	Mast Cell Proteases as New Targets for Therapeutic Intervention in Asthma. , 1999, , 229-249.		2
99	Report on the 45th Annual Meeting of the American Academy of Allergy and Immunology, San Antonio, 24th February-1st March 1989.. <i>Clinical and Experimental Allergy</i> , 1989, 19, 485-492.	1.4	0
100	Pro-Inflammatory Actions of the Exodomain Shed From Protease Activated Receptor 2 (PAR-2). <i>Journal of Allergy and Clinical Immunology</i> , 2013, 131, AB47.	1.5	0
101	Experimental Activation of Mast Cells and Their Pharmacological Modulation. <i>Methods in Molecular Medicine</i> , 2008, 138, 319-330.	0.8	0
102	Novel method for assessing basophil activation by measuring altered expression of membrane-bound and intracellular basogranulin stores. <i>World Allergy Organization Journal</i> , 2020, 13, 100351.	1.6	0