Jean S Marshall

List of Publications by Year
in descending order

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120 papers	7,336 citations	57758 44 h-index	56724 83 g-index
120 all docs	120 docs citations	120 times ranked	6509 citing authors

#	Article	IF	Citations
1	Mast-cell responses to pathogens. Nature Reviews Immunology, 2004, 4, 787-799.	22.7	714
2	Psychometric scores and persistence of irritable bowel after infectious diarrhoea. Lancet, The, 1996, 347, 150-153.	13.7	466
3	An introduction to immunology and immunopathology. Allergy, Asthma and Clinical Immunology, 2018, 14, 49.	2.0	440
4	Cutting Edge: Distinct Toll-Like Receptor 2 Activators Selectively Induce Different Classes of Mediator Production from Human Mast Cells. Journal of Immunology, 2003, 170, 1625-1629.	0.8	335
5	Pavlovian Conditioning of Rat Mucosal Mast Cells to Secrete Rat Mast Cell Protease II. Science, 1989, 243, 83-85.	12.6	322
6	New and emerging roles for mast cells in host defence. Current Opinion in Immunology, 2007, 19, 31-38.	5.5	253
7	Cytokine and eosinophil responses in the lung, peripheral blood, and bone marrow compartments in a murine model of allergen-induced airways inflammation.. American Journal of Respiratory Cell and Molecular Biology, 1997, 16, 510-520.	2.9	199
8	Mast cells in innate immunity. Journal of Allergy and Clinical Immunology, 2004, 114, 21-27.	2.9	175
9	Prostaglandin E2 Induces Degranulation-Independent Production of Vascular Endothelial Growth Factor by Human Mast Cells. Journal of Immunology, 2004, 172, 1227-1236.	0.8	159
10	Dengue Virus Selectively Induces Human Mast Cell Chemokine Production. Journal of Virology, 2002, 76, 8408-8419.	3.4	150
11	Interleukin (IL)-10 inhibits long-term IL-6 production but not preformed mediator release from rat peritoneal mast cells.. Journal of Clinical Investigation, 1996, 97, 1122-1128.	8.2	144
12	Mast cells as targets for immunotherapy of solid tumors. Molecular Immunology, 2015, 63, 113-124.	2.2	142
13	IgE-Mediated Mast Cell Activation Induces Langerhans Cell Migration In Vivo. Journal of Immunology, 2004, 173, 5275-5282.	0.8	125
14	Mast Cell/Nerve InteractionsIn VitroandIn Vivo. The American Review of Respiratory Disease, 1991, 143, S55-S58.	2.9	121
15	A Critical Role for Mast Cells and Mast Cell-Derived IL-6 in TLR2-Mediated Inhibition of Tumor Growth. Journal of Immunology, 2010, 185, 7067-7076.	0.8	121
16	Release of Vasoactive Cytokines by Antibody-Enhanced Dengue Virus Infection of a Human Mast Cell/Basophil Line. Journal of Virology, 2000, 74, 7146-7150.	3.4	119
17	Mast Cells Have a Pivotal Role in TNF-Independent Lymph Node Hypertrophy and the Mobilization of Langerhans Cells in Response to Bacterial Peptidoglycan. Journal of Immunology, 2006, 177, 1755-1762.	0.8	111
18	A Th1-Inducing Adjuvant, MPL^{Â®}, Enhances Antibody Profiles in Experimental Animals Suggesting It Has the Potential to Improve the Efficacy of Allergy Vaccines. International Archives of Allergy and Immunology, 2001, 126, 135-139.	2.1	109

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19	Human mast cell activation with virus-associated stimuli leads to the selective chemotaxis of natural killer cells by a CXCL8-dependent mechanism. Blood, 2008, 111, 5467-5476.	1.4	108
20	Fungal zymosan induces leukotriene production by human mast cells through aÂdectin-1â€“dependent mechanism. Journal of Allergy and Clinical Immunology, 2006, 118, 837-843.	2.9	107
21	Mast Cell Responses to Viruses and Pathogen Products. International Journal of Molecular Sciences, 2019, 20, 4241.	4.1	107
22	Granulocyte/Macrophage Colony-stimulating Factor (GM-CSF) Gene Expression by Eosinophils in Nasal Polyposis. American Journal of Respiratory Cell and Molecular Biology, 1991, 5, 505-510.	2.9	102
23	Prostaglandin E2 Selectively Enhances the IgE-Mediated Production of IL-6 and Granulocyte-Macrophage Colony-Stimulating Factor by Mast Cells Through an EP1/EP3-Dependent Mechanism. Journal of Immunology, 2000, 165, 6545-6552.	0.8	96
24	Mast Cells, Histamine, and IL-6 Regulate the Selective Influx of Dendritic Cell Subsets into an Inflamed Lymph Node. Journal of Immunology, 2010, 184, 2116-2123.	0.8	95
25	The Development of Early Host Response to Pseudomonas aeruginosa Lung Infection Is Critically Dependent on Myeloid Differentiation Factor 88 in Mice. Journal of Biological Chemistry, 2004, 279, 49315-49322.	3.4	88
26	Nerve growth factor modifies the expression of inflammatory cytokines by mast cells via a prostanoid-dependent mechanism. Journal of Immunology, 1999, 162, 4271-6.	0.8	87
27	Human Mast Cells Transmigrate Through Human Umbilical Vein Endothelial Monolayers and Selectively Produce IL-8 in Response to Stromal Cell-Derived Factor-1Î±. Journal of Immunology, 2000, 165, 211-220.	0.8	79
28	Bovine Lactoferricin Inhibits Basic Fibroblast Growth Factor- and Vascular Endothelial Growth Factor165-Induced Angiogenesis by Competing for Heparin-Like Binding Sites on Endothelial Cells. American Journal of Pathology, 2006, 169, 1753-1766.	3.8	78
29	Mast Cell Cytokine and Chemokine Responses to Bacterial and Viral Infection. Current Pharmaceutical Design, 2003, 9, 11-24.	1.9	77
30	The role of mast cells in inflammatory reactions of the airways, skin and intestine. Current Opinion in Immunology, 1994, 6, 853-859.	5.5	76
31	Toll-Like Receptor-Mediated Activation of Mast Cells: Implications for Allergic Disease?. International Archives of Allergy and Immunology, 2003, 132, 87-97.	2.1	73
32	Intestinal mucosal injury is associated with mast cell activation and leukotriene generation duringNippostrongylus-induced inflammation in the rat. Digestive Diseases and Sciences, 1989, 34, 724-731.	2.3	67
33	Mast cells and the nerves-potential interactions in the context of chronic disease. Clinical and Experimental Allergy, 1995, 25, 102-110.	2.9	66
34	RNA Sensors Enable Human Mast Cell Anti-Viral Chemokine Production and IFN-Mediated Protection in Response to Antibody-Enhanced Dengue Virus Infection. PLoS ONE, 2012, 7, e34055.	2.5	64
35	Cytokines and Soluble Receptors in Breast Milk as Enhancers of Oral Tolerance Development. Frontiers in Immunology, 2019, 10, 16.	4.8	64
36	Role of mast cells in peritoneal adhesion formation. American Journal of Surgery, 1993, 165, 127-130.	1.8	60

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37	Dengue Virus Infection of Mast Cells Triggers Endothelial Cell Activation. Journal of Virology, 2011, 85, 1145-1150.	3.4	59
38	Mast Cells in Cardiac Fibrosis: New Insights Suggest Opportunities for Intervention. Frontiers in Immunology, 2019, 10, 580.	4.8	58
39	Ion Transport in Rat Tracheal EpitheliumIn Vitro: Role of Capsaicin-sensitive Nerves in Allergic Reactions. The American Review of Respiratory Disease, 1990, 141, 393-397.	2.9	56
40	A dominant role for FcÎ³RII in antibody-enhanced dengue virus infection of human mast cells and associated CCL5 release. Journal of Leukocyte Biology, 2006, 80, 1242-1250.	3.3	56
41	Zymosan treatment of mouse mast cells enhances dectin-1 expression and induces dectin-1-dependent reactive oxygen species (ROS) generation. Immunobiology, 2009, 214, 321-330.	1.9	56
42	Zebrafish mast cells possess an FcÉ›RI-like receptor and participate in innate and adaptive immune responses. Developmental and Comparative Immunology, 2011, 35, 125-134.	2.3	51
43	Prenatal exposure to phthalates, bisphenol A and perfluoroalkyl substances and cord blood levels of IgE, TSLP and IL-33. Environmental Research, 2015, 140, 360-368.	7.5	48
44	Respiratory syncytial virus infection of primary human mast cells induces the selective production of type I interferons, CXCL10, and CCL4. Journal of Allergy and Clinical Immunology, 2015, 136, 1346-1354.e1.	2.9	46
45	Stress Triggered Abortions Are Associated With Alterations of Granulated Cells in the Decidua. American Journal of Reproductive Immunology, 1997, 37, 94-100.	1.2	44
46	Selective Early Production of CCL20, or Macrophage Inflammatory Protein 3Î±, by Human Mast Cells in Response to Pseudomonas aeruginosa. Infection and Immunity, 2003, 71, 365-373.	2.2	44
47	Dramatic caspase-dependent apoptosis in antibody-enhanced dengue virus infection of human mast cells. Journal of Leukocyte Biology, 2009, 85, 71-80.	3.3	43
48	Modulation of rat uterine contractility by mast cells and their mediators. American Journal of Obstetrics and Gynecology, 2000, 183, 118-125.	1.3	41
49	Virus stimulation of human mast cells results in the recruitment of CD56⁺T cells by a mechanism dependent on CCR5 ligands. FASEB Journal, 2012, 26, 1280-1289.	0.5	41
50	Development of an Interleukin-12-Deficient Mouse Model That Is Permissive for Colonization by a Motile KE26695 Strain of Helicobacter pylori. Infection and Immunity, 2003, 71, 2534-2541.	2.2	39
51	Leukemia inhibitory factor production by rat mast cells. European Journal of Immunology, 1993, 23, 2116-2120.	2.9	37
52	Induction of an auto-anti-IgE response in rats. I. Effects on serum IgE concentrations. European Journal of Immunology, 1985, 15, 272-277.	2.9	35
53	SDF-1 Induces IL-8 Production and Transendothelial Migration of Human Cord Blood-Derived Mast Cells. International Archives of Allergy and Immunology, 2001, 124, 142-145.	2.1	34
54	Breastfeeding and the developmental origins of mucosal immunity: how human milk shapes the innate and adaptive mucosal immune systems. Current Opinion in Gastroenterology, 2021, 37, 547-556.	2.3	31

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55	Ranitidine modifies myeloid cell populations and inhibits breast tumor development and spread in mice. OncoImmunology, 2016, 5, e1151591.	4.6	29
56	Autophagy Facilitates Antibody-Enhanced Dengue Virus Infection in Human Pre-Basophil/Mast Cells. PLoS ONE, 2014, 9, e110655.	2.5	28
57	MAPK Kinase 3 Is a Tumor Suppressor with Reduced Copy Number in Breast Cancer. Cancer Research, 2014, 74, 162-172.	0.9	27
58	Air Pollution During Pregnancy and Cord Blood Immune System Biomarkers. Journal of Occupational and Environmental Medicine, 2016, 58, 979-986.	1.7	27
59	Antigen-induced Lung Solute Clearance in Rats Is Dependent on Capsaicin-sensitive Nerves. The American Review of Respiratory Disease, 1989, 139, 401-406.	2.9	26
60	Blockade of either alpha-4 or beta-7 integrins selectively inhibits intestinal mast cell hyperplasia and worm expulsion in response toNippostrongylus brasiliensis infection. European Journal of Immunology, 2001, 31, 860-868.	2.9	26
61	Nav1.6 promotes inflammation and neuronal degeneration in a mouse model of multiple sclerosis. Journal of Neuroinflammation, 2019, 16, 215.	7.2	25
62	Aging in the absence of TLR2 is associated with reduced IFN-Î³ responses in the large intestine and increased severity of induced colitis. Journal of Leukocyte Biology, 2008, 83, 833-842.	3.3	24
63	Virus-Infected Human Mast Cells Enhance Natural Killer Cell Functions. Journal of Innate Immunity, 2017, 9, 94-108.	3.8	24
64	Mast cells. Seminars in Immunopathology, 1990, 12, 191-202.	4.0	22
65	TRAF6 Specifically Contributes to FcÏµRI-mediated Cytokine Production but Not Mast Cell Degranulation. Journal of Biological Chemistry, 2008, 283, 32110-32118.	3.4	22
66	Enhancement of Mast Cell IL-6 Production by Combined Toll-Like and Nucleotide-Binding Oligomerization Domain-Like Receptor Activation. International Archives of Allergy and Immunology, 2011, 154, 227-235.	2.1	22
67	Maternal exposure to metals and persistent pollutants and cord blood immune system biomarkers. Environmental Health, 2015, 14, 52.	4.0	21
68	Myeloid-derived suppressor cell depletion therapy targets IL-17A-expressing mammary carcinomas. Scientific Reports, 2020, 10, 13343.	3.3	21
69	The myeloid differentiation factor 88 is dispensable for the development of a delayed host response to Pseudomonas aeruginosa lung infection in mice. Clinical and Experimental Immunology, 2006, 146, 323-329.	2.6	20
70	Mast cells and IgE activation do not alter the development of oral tolerance in a murine model. Journal of Allergy and Clinical Immunology, 2012, 130, 705-715.e1.	2.9	18
71	Angiotensin II Type I Receptor Blockade Is Associated with Decreased Cutaneous Scar Formation in a Rat Model. Plastic and Reconstructive Surgery, 2019, 144, 803e-813e.	1.4	18
72	Tissue Eosinophilia in a Mouse Model of Colitis Is Highly Dependent on TLR2 and Independent of Mast Cells. American Journal of Pathology, 2011, 178, 150-160.	3.8	17

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73	Toll-Like Receptor 2 as a Regulator of Oral Tolerance in the Gastrointestinal Tract. Mediators of Inflammation, 2014, 2014, 1-7.	3.0	17
74	CD43â˜, but not CD43+, IL-10-producing CD1dhiCD5+ B cells suppress type 1 immune responses during Chlamydia muridarum genital tract infection. Mucosal Immunology, 2015, 8, 94-106.	6.0	17
75	Mast Cells and Skin and Breast Cancers: A Complicated and Microenvironment-Dependent Role. Cells, 2021, 10, 986.	4.1	17
76	Induction of an auto-anti-IgE response in rats II. Effects on mast cell populations. European Journal of Immunology, 1987, 17, 445-451.	2.9	16
77	Tollâ€like receptor 2 activators modulate oral tolerance in mice. Clinical and Experimental Allergy, 2015, 45, 1690-1702.	2.9	15
78	Ranitidine Inhibition of Breast Tumor Growth Is B Cell Dependent and Associated With an Enhanced Antitumor Antibody Response. Frontiers in Immunology, 2018, 9, 1894.	4.8	15
79	Distinct Metalloproteinase Expression and Functions in Systemic Sclerosis and Fibrosis: What We Know and the Potential for Intervention. Frontiers in Physiology, 2021, 12, 727451.	2.8	15
80	A survey of nonatopic and atopic children and adults for the presence of anti-IgE autoantibodies. Clinical Immunology and Immunopathology, 1989, 53, 40-51.	2.0	14
81	Local and systemic immunological parameters associated with remission of asthma symptoms in children. Allergy, Asthma and Clinical Immunology, 2012, 8, 16.	2.0	14
82	Selective antibody blockade of lymphocyte migration to mucosal sites and mast cell adhesion. Journal of Leukocyte Biology, 1999, 65, 649-657.	3.3	13
83	TNF-Î±Dysregulation in Asthma: Relationship to Ongoing Corticosteroid Therapy. Canadian Respiratory Journal, 2000, 7, 229-237.	1.6	13
84	The gut microbiota of tollâ€like receptor 2â€deficient mice exhibits lineageâ€specific modifications. Environmental Microbiology Reports, 2009, 1, 65-70.	2.4	13
85	Prenatal triclosan exposure and cord blood immune system biomarkers. International Journal of Hygiene and Environmental Health, 2016, 219, 454-457.	4.3	13
86	Mast Cells and Natural Killer Cellsâ€”A Potentially Critical Interaction. Viruses, 2019, 11, 514.	3.3	13
87	Increased survival of nasal polyp eosinophils. Immunology Letters, 1995, 45, 219-221.	2.5	12
88	Interferon Î±2 and interferon Î³ induce the degranulation independent production of VEGFâ€A and ILâ€1 receptor antagonist and other mediators from human mast cells. Immunity, Inflammation and Disease, 2018, 6, 176-189.	2.7	12
89	Mast Cell Modulation of B Cell Responses: An Under-Appreciated Partnership in Host Defence. Frontiers in Immunology, 2021, 12, 718499.	4.8	12
90	Reduced peanut sensitization with maternal peanut consumption and early peanut introduction while breastfeeding. Journal of Developmental Origins of Health and Disease, 2021, 12, 811-818.	1.4	12

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91	Repeated antigen challenge in rats induces a mucosal mast cell hyperplasia. Gastroenterology, 1993, 105, 391-398.	1.3	11
92	Changes in Circulating Monocyte Subsets (CD16 Expression) and Neutrophil-to-Lymphocyte Ratio Observed in Patients Undergoing Cardiac Surgery. Frontiers in Cardiovascular Medicine, 2017, 4, 12.	2.4	11
93	Signal transducer and activator of transcription 4 (STAT4), but not IL-12 contributes to Pseudomonas aeruginosa-induced lung inflammation in mice. Immunobiology, 2008, 213, 469-479.	1.9	10
94	Predictors of interleukinâ€33 and thymic stromal lymphopoietin levels in cord blood. Pediatric Allergy and Immunology, 2015, 26, 161-167.	2.6	10
95	The impact of ranitidine on monocyte responses in the context of solid tumors. Oncotarget, 2016, 7, 10891-10904.	1.8	10
96	Association of a Type 2â€“Polarized T Cell Phenotype With Methotrexate Nonresponse in Patients With Rheumatoid Arthritis. Arthritis and Rheumatology, 2020, 72, 1091-1102.	5.6	8
97	Recovery free of heart failure after acute coronary syndrome and coronary revascularization. ESC Heart Failure, 2018, 5, 107-114.	3.1	7
98	Toll-like receptor 2 impacts the development of oral tolerance in mouse pups via a milk-dependent mechanism. Journal of Allergy and Clinical Immunology, 2020, 146, 631-641.e8.	2.9	7
99	IL-4 enhances interferon production by virus-infected human mast cells. Journal of Allergy and Clinical Immunology, 2020, 146, 675-677.e5.	2.9	7
100	Human mast cells induce caspase-independent DNA fragmentation in leukemic T cells. Oncology Reports, 2003, 10, 1019-23.	2.6	7
101	Specific inhibition of beta-tryptase expression in a human mast cell line by granulocyte-macrophage colony-stimulating factor produced by airways structural cells.. American Journal of Respiratory Cell and Molecular Biology, 1996, 15, 355-360.	2.9	6
102	Human Mast Cell Activation with Viruses and Pathogen Products. Methods in Molecular Biology, 2015, 1220, 179-201.	0.9	6
103	Histamine receptor 2 blockade selectively impacts B and T cells in healthy subjects. Scientific Reports, 2021, 11, 9405.	3.3	6
104	Peroxisomes Regulate Cellular Free Fatty Acids to Modulate Mast Cell TLR2, TLR4, and IgE-Mediated Activation. Frontiers in Cell and Developmental Biology, 2022, 10, .	3.7	6
105	Dexamethasone induces a down regulation of rat mast cell protease II content in rat basophilic leukaemia cells. Agents and Actions, 1992, 36, 4-10.	0.7	5
106	Tollâ€like receptor 2 activation induces Câ€“C chemokine receptor 2â€dependent natural killer cell recruitment to the peritoneum. Immunology and Cell Biology, 2020, 98, 854-867.	2.3	5
107	Epinephrine drives human M2a allergic macrophages to a regulatory phenotype reducing mast cell degranulation in vitro. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 2939-2942.	5.7	5
108	Histamine does not mediate mucosal permeability changes after subclinical intestinal ischemia-reperfusion injury. Journal of Pediatric Surgery, 1993, 28, 1113-1116.	1.6	4

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109	VEGF-A is increased in exogenous endophthalmitis. Canadian Journal of Ophthalmology, 2017, 52, 277-282.	0.7	4
110	Increased mast cell density is associated with decreased fibrosis in human atrial tissue. Journal of Molecular and Cellular Cardiology, 2020, 149, 15-26.	1.9	4
111	Mice Heterozygous for the Sodium Channel Scn8a (Nav1.6) Have Reduced Inflammatory Responses During EAE and Following LPS Challenge. Frontiers in Immunology, 2021, 12, 533423.	4.8	3
112	Microenvironmental Control of Inflammatory Cell Differentiation. International Archives of Allergy and Immunology, 1992, 99, 330-332.	2.1	2
113	Mast Cell and Basophils: Interaction with IgE and Responses to Toll like Receptor Activators. , 2009, , 113-133.		2
114	IL-7RÎ± and L-selectin, but not CD103 or CD34, are required for murine peanut-induced anaphylaxis. Allergy, Asthma and Clinical Immunology, 2012, 8, 15.	2.0	1
115	Mast Cell Modulation of the Tumor Microenvironment. , 2013, , 479-509.		1
116	Keystone symposium on â€˜Mast Cells, Basophils and IgE: Host Defense and Diseaseâ€™. Expert Review of Clinical Immunology, 2007, 3, 259-260.	3.0	0
117	Mast CellsÂin Allergy, Host Defense, and Immune Regulation. , 2016, , 309-325.		0
118	Mast Cells. , 2020, , 521-532.		0
119	Selective stimulation of mast cells with a TLR2 agonist inhibits tumor growth in vivo. FASEB Journal, 2008, 22, 1076.14.	0.5	0
120	Celebrating a decade of Canadian immunology published in Immunology & Cell Biology. Immunology and Cell Biology, 2022, 100, 383-386.	2.3	0