

# Stephen J Galli

## List of Publications by Year in descending order

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302  
papers

39,777  
citations

3334

91  
h-index

2629

194  
g-index

315  
all docs

315  
docs citations

315  
times ranked

26328  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gene-microarray analysis of multiple sclerosis lesions yields new targets validated in autoimmune encephalomyelitis. <i>Nature Medicine</i> , 2002, 8, 500-508.	30.7	1,558
2	The development of allergic inflammation. <i>Nature</i> , 2008, 454, 445-454.	27.8	1,475
3	Stem cell factor is encoded at the Sl locus of the mouse and is the ligand for the c-kit tyrosine kinase receptor. <i>Cell</i> , 1990, 63, 213-224.	28.9	1,406
4	IgE and mast cells in allergic disease. <i>Nature Medicine</i> , 2012, 18, 693-704.	30.7	1,386
5	Mast cells in the development of adaptive immune responses. <i>Nature Immunology</i> , 2005, 6, 135-142.	14.5	1,125
6	MAST CELLS AS "TUNABLE" EFFECTOR AND IMMUNOREGULATORY CELLS: Recent Advances. <i>Annual Review of Immunology</i> , 2005, 23, 749-786.	21.8	1,121
7	Mast cells as a source of both preformed and immunologically inducible TNF- $\alpha$ /cachectin. <i>Nature</i> , 1990, 346, 274-276.	27.8	935
8	New Concepts about the Mast Cell. <i>New England Journal of Medicine</i> , 1993, 328, 257-265.	27.0	934
9	Phenotypic and functional plasticity of cells of innate immunity: macrophages, mast cells and neutrophils. <i>Nature Immunology</i> , 2011, 12, 1035-1044.	14.5	859
10	Mast cells as a source of multifunctional cytokines. <i>Trends in Immunology</i> , 1990, 11, 458-464.	7.5	689
11	Immunomodulatory mast cells: negative, as well as positive, regulators of immunity. <i>Nature Reviews Immunology</i> , 2008, 8, 478-486.	22.7	665
12	New developments in mast cell biology. <i>Nature Immunology</i> , 2008, 9, 1215-1223.	14.5	657
13	Regulation of mast-cell and basophil function and survival by IgE. <i>Nature Reviews Immunology</i> , 2002, 2, 773-786.	22.7	569
14	Role for interleukin-3 in mast-cell and basophil development and in immunity to parasites. <i>Nature</i> , 1998, 392, 90-93.	27.8	533
15	Mast Cell-Deficient <i>W-sash</i> c-kit Mutant <i>Kit<sup>W-sh/W-sh</sup></i> Mice as a Model for Investigating Mast Cell Biology in Vivo. <i>American Journal of Pathology</i> , 2005, 167, 835-848.	3.8	523
16	The kit Ligand, Stem Cell Factor. <i>Advances in Immunology</i> , 1993, 55, 1-96.	2.2	517
17	Mast cells as sources of cytokines, chemokines, and growth factors. <i>Immunological Reviews</i> , 2018, 282, 121-150.	6.0	492
18	IgE Enhances Mouse Mast Cell Fc $\gamma$ RI Expression In Vitro and In Vivo: Evidence for a Novel Amplification Mechanism in IgE-dependent Reactions. <i>Journal of Experimental Medicine</i> , 1997, 185, 663-672.	8.5	430

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19	Mast cell-derived interleukin 10 limits skin pathology in contact dermatitis and chronic irradiation with ultraviolet B. <i>Nature Immunology</i> , 2007, 8, 1095-1104.	14.5	423
20	Peanut oral immunotherapy results in increased antigen-induced regulatory T-cell function and hypomethylation of forkhead box protein 3 (FOXP3). <i>Journal of Allergy and Clinical Immunology</i> , 2014, 133, 500-510.e11.	2.9	399
21	Mast Cells Can Amplify Airway Reactivity and Features of Chronic Inflammation in an Asthma Model in Mice. <i>Journal of Experimental Medicine</i> , 2000, 192, 455-462.	8.5	372
22	Mast cells and basophils. <i>Current Opinion in Hematology</i> , 2000, 7, 32-39.	2.5	364
23	Mast cells as sentinels of innate immunity. <i>Current Opinion in Immunology</i> , 1999, 11, 53-59.	5.5	359
24	Inducer T lymphocytes synthesize a factor that stimulates proliferation of cloned mast cells. <i>Nature</i> , 1981, 291, 332-334.	27.8	350
25	Mast Cells Enhance T Cell Activation: Importance of Mast Cell Costimulatory Molecules and Secreted TNF. <i>Journal of Immunology</i> , 2006, 176, 2238-2248.	0.8	343
26	Mast cells in allergy and infection: Versatile effector and regulatory cells in innate and adaptive immunity. <i>European Journal of Immunology</i> , 2010, 40, 1843-1851.	2.9	338
27	IL-33 can promote survival, adhesion and cytokine production in human mast cells. <i>Laboratory Investigation</i> , 2007, 87, 971-978.	3.7	336
28	Mast Cells Can Enhance Resistance to Snake and Honeybee Venoms. <i>Science</i> , 2006, 313, 526-530.	12.6	333
29	The pathophysiology of anaphylaxis. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 140, 335-348.	2.9	330
30	The diverse potential effector and immunoregulatory roles of mast cells in allergic disease. <i>Journal of Allergy and Clinical Immunology</i> , 2000, 105, 847-859.	2.9	329
31	Cytokine production by mast cells and basophils. <i>Current Opinion in Immunology</i> , 1991, 3, 865-873.	5.5	320
32	Mast Cells Can Secrete Vascular Permeability Factor/ Vascular Endothelial Cell Growth Factor and Exhibit Enhanced Release after Immunoglobulin E-dependent Upregulation of Fc $\gamma$ Receptor I Expression. <i>Journal of Experimental Medicine</i> , 1998, 188, 1135-1145.	8.5	320
33	Roles of mast cells and basophils in innate and acquired immunity. <i>Current Opinion in Immunology</i> , 2000, 12, 624-631.	5.5	313
34	Regulation of Mast Cell Survival by IgE. <i>Immunity</i> , 2001, 14, 791-800.	14.3	307
35	Different activation signals induce distinct mast cell degranulation strategies. <i>Journal of Clinical Investigation</i> , 2016, 126, 3981-3998.	8.2	285
36	Mast cells promote homeostasis by limiting endothelin-1-induced toxicity. <i>Nature</i> , 2004, 432, 512-516.	27.8	275

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37	Mast cells in the promotion and limitation of chronic inflammation. <i>Immunological Reviews</i> , 2007, 217, 304-328.	6.0	275
38	Impaired mast cell-dependent natural immunity in complement C3-deficient mice. <i>Nature</i> , 1997, 390, 172-175.	27.8	266
39	From The Cover: Identification of mast cell progenitors in adult mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 11408-11413.	7.1	265
40	Phenotypic differences between Th1 and Th17 cells and negative regulation of Th1 cell differentiation by IL-17. <i>Journal of Leukocyte Biology</i> , 2007, 81, 1258-1268.	3.3	262
41	IL-33 induces IL-13 production by mouse mast cells independently of IgE-Fc $\mu$ RI signals. <i>Journal of Leukocyte Biology</i> , 2007, 82, 1481-1490.	3.3	261
42	MIBI-TOF: A multiplexed imaging platform relates cellular phenotypes and tissue structure. <i>Science Advances</i> , 2019, 5, eaax5851.	10.3	252
43	Evidence that IgE molecules mediate a spectrum of effects on mast cell survival and activation via aggregation of the Fc $\mu$ RI. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 12911-12916.	7.1	249
44	Mast cell-expressed orphan receptor CCRL2 binds chemerin and is required for optimal induction of IgE-mediated passive cutaneous anaphylaxis. <i>Journal of Experimental Medicine</i> , 2008, 205, 2207-2220.	8.5	247
45	Mast cells can promote the development of multiple features of chronic asthma in mice. <i>Journal of Clinical Investigation</i> , 2006, 116, 1633-1641.	8.2	242
46	An Interleukin-33-Mast Cell-Interleukin-2 Axis Suppresses Papain-Induced Allergic Inflammation by Promoting Regulatory T Cell Numbers. <i>Immunity</i> , 2015, 43, 175-186.	14.3	240
47	Involvement of Bruton's Tyrosine Kinase in Fc $\mu$ RI-dependent Mast Cell Degranulation and Cytokine Production. <i>Journal of Experimental Medicine</i> , 1998, 187, 1235-1247.	8.5	238
48	Mast Cell-Associated TNF Promotes Dendritic Cell Migration. <i>Journal of Immunology</i> , 2006, 176, 4102-4112.	0.8	238
49	Activity of the tyrosine kinase inhibitor PKC412 in a patient with mast cell leukemia with the D816V KIT mutation. <i>Blood</i> , 2005, 106, 2865-2870.	1.4	233
50	Molecular and cellular mechanisms of food allergy and food tolerance. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 984-997.	2.9	227
51	Mast cells enhance T cell activation: Importance of mast cell-derived TNF. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 6467-6472.	7.1	226
52	Mast cells: Versatile regulators of inflammation, tissue remodeling, host defense and homeostasis. <i>Journal of Dermatological Science</i> , 2008, 49, 7-19.	1.9	221
53	Sustained outcomes in oral immunotherapy for peanut allergy (POISED study): a large, randomised, double-blind, placebo-controlled, phase 2 study. <i>Lancet</i> , 2019, 394, 1437-1449.	13.7	215
54	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

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55	Spontaneous canine mast cell tumors express tandem duplications in the proto-oncogene c-kit. <i>Experimental Hematology</i> , 1999, 27, 689-697.	0.4	203
56	House dust mites activate nociceptor mast cell clusters to drive type 2 skin inflammation. <i>Nature Immunology</i> , 2019, 20, 1435-1443.	14.5	196
57	The two faces of the mast cell. <i>Nature</i> , 1996, 381, 21-22.	27.8	193
58	Mast Cells in Inflammation and Disease: Recent Progress and Ongoing Concerns. <i>Annual Review of Immunology</i> , 2020, 38, 49-77.	21.8	178
59	Anti-IgE treatment with oral immunotherapy in multfood allergic participants: a double-blind, randomised, controlled trial. <i>The Lancet Gastroenterology and Hepatology</i> , 2018, 3, 85-94.	8.1	177
60	An unexpected version of horror autotoxicus: anaphylactic shock to a self-peptide. <i>Nature Immunology</i> , 2001, 2, 216-222.	14.5	174
61	Immune Sensitization in the Skin Is Enhanced by Antigen-Independent Effects of IgE. <i>Immunity</i> , 2004, 20, 381-392.	14.3	173
62	New models for analyzing mast cell functions in vivo. <i>Trends in Immunology</i> , 2012, 33, 613-625.	6.8	172
63	Reduced mast cell and basophil numbers and function in Cpa3-Cre; Mcl-1fl/fl mice. <i>Blood</i> , 2011, 118, 6930-6938.	1.4	170
64	Mast cell-derived TNF contributes to airway hyperreactivity, inflammation, and TH2 cytokine production in an asthma model in mice. <i>Journal of Allergy and Clinical Immunology</i> , 2007, 120, 48-55.	2.9	169
65	The c-kit Ligand, Stem Cell Factor, Can Enhance Innate Immunity Through Effects on Mast Cells. <i>Journal of Experimental Medicine</i> , 1998, 188, 2343-2348.	8.5	156
66	Expression of Functional TrkA Receptor Tyrosine Kinase in the HMC-1 Human Mast Cell Line and in Human Mast Cells. <i>Blood</i> , 1997, 90, 1807-1820.	1.4	151
67	A Beneficial Role for Immunoglobulin E in Host Defense against Honeybee Venom. <i>Immunity</i> , 2013, 39, 963-975.	14.3	151
68	IgE and mast cells in host defense against parasites and venoms. <i>Seminars in Immunopathology</i> , 2016, 38, 581-603.	6.1	151
69	TIM-1 and TIM-3 enhancement of Th2 cytokine production by mast cells. <i>Blood</i> , 2007, 110, 2565-2568.	1.4	150
70	Mast cell-derived TNF can promote Th17 cell-dependent neutrophil recruitment in ovalbumin-challenged OTII mice. <i>Blood</i> , 2007, 109, 3640-3648.	1.4	143
71	Mast Cells: Potential Positive and Negative Roles in Tumor Biology. <i>Cancer Immunology Research</i> , 2013, 1, 269-279.	3.4	143
72	Mast cell chymase reduces the toxicity of Gila monster venom, scorpion venom, and vasoactive intestinal polypeptide in mice. <i>Journal of Clinical Investigation</i> , 2011, 121, 4180-4191.	8.2	134

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73	Mast Cell-Derived TNF Can Exacerbate Mortality during Severe Bacterial Infections in C57BL/6-Kit Mice. <i>American Journal of Pathology</i> , 2010, 176, 926-938.	3.8	131
74	Updated Diagnostic Criteria and Classification of Mast Cell Disorders: A Consensus Proposal. <i>HemaSphere</i> , 2021, 5, e646.	2.7	128
75	Involvement of both "allergic" and "autoimmune" mechanisms in EAE, MS and other autoimmune diseases. <i>Trends in Immunology</i> , 2003, 24, 479-484.	6.8	126
76	Multiple elements of the allergic arm of the immune response modulate autoimmune demyelination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 1867-1872.	7.1	121
77	Successful immunotherapy induces previously unidentified allergen-specific CD4+ T-cell subsets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E1286-95.	7.1	115
78	Neurotensin increases mortality and mast cells reduce neurotensin levels in a mouse model of sepsis. <i>Nature Medicine</i> , 2008, 14, 392-398.	30.7	114
79	Regulation of Mouse and Human Mast Cell Development, Survival and Function by Stem Cell Factor, the Ligand for the c-kit Receptor. <i>International Archives of Allergy and Immunology</i> , 1995, 107, 51-53.	2.1	113
80	Identification of an IFN- $\gamma$ /mast cell axis in a mouse model of chronic asthma. <i>Journal of Clinical Investigation</i> , 2011, 121, 3133-3143.	8.2	113
81	Complexity and Redundancy in the Pathogenesis of Asthma: Reassessing the Roles of Mast Cells and T Cells. <i>Journal of Experimental Medicine</i> , 1997, 186, 343-347.	8.5	111
82	Evidence questioning cromolyn's effectiveness and selectivity as a "mast cell stabilizer" in mice. <i>Laboratory Investigation</i> , 2012, 92, 1472-1482.	3.7	109
83	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
84	Evidence that vitamin D3 promotes mast cell-dependent reduction of chronic UVB-induced skin pathology in mice. <i>Journal of Experimental Medicine</i> , 2010, 207, 455-463.	8.5	103
85	Assessment of Allergic and Anaphylactic Reactions to mRNA COVID-19 Vaccines With Confirmatory Testing in a US Regional Health System. <i>JAMA Network Open</i> , 2021, 4, e2125524.	5.9	103
86	Effector and potential immunoregulatory roles of mast cells in IgE-associated acquired immune responses. <i>Current Opinion in Immunology</i> , 2006, 18, 751-760.	5.5	100
87	Mechanisms of vitamin D3 metabolite repression of IgE-dependent mast cell activation. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 133, 1356-1364.e14.	2.9	100
88	Computational Pathology: A Path Ahead. <i>Archives of Pathology and Laboratory Medicine</i> , 2016, 140, 41-50.	2.5	99
89	A Role for CD21/CD35 and CD19 in Responses to Acute Septic Peritonitis: A Potential Mechanism for Mast Cell Activation. <i>Journal of Immunology</i> , 2000, 165, 6915-6921.	0.8	97
90	Ultrastructural immunogold localization of subcellular sites of TNF- $\alpha$ in colonic Crohn's disease. <i>Journal of Leukocyte Biology</i> , 1995, 58, 284-298.	3.3	94

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91	TNF can contribute to multiple features of ovalbumin-induced allergic inflammation of the airways in mice. <i>Journal of Allergy and Clinical Immunology</i> , 2007, 119, 680-686.	2.9	94
92	Approaches for Analyzing the Roles of Mast Cells and Their Proteases In Vivo. <i>Advances in Immunology</i> , 2015, 126, 45-127.	2.2	93
93	Butyrate inhibits human mast cell activation via epigenetic regulation of Fc $\epsilon$ RI-mediated signaling. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 1966-1978.	5.7	92
94	The Chymase Mouse Mast Cell Protease 4 Degrades TNF, Limits Inflammation, and Promotes Survival in a Model of Sepsis. <i>American Journal of Pathology</i> , 2012, 181, 875-886.	3.8	91
95	Selective ablation of mast cells or basophils reduces peanut-induced anaphylaxis in mice. <i>Journal of Allergy and Clinical Immunology</i> , 2013, 132, 881-888.e11.	2.9	91
96	Mast Cell-Derived Tumor Necrosis Factor Can Promote Nerve Fiber Elongation in the Skin during Contact Hypersensitivity in Mice. <i>American Journal of Pathology</i> , 2006, 169, 1713-1721.	3.8	89
97	Activation of MAP kinases, pp90 <sup>orsk</sup> and pp70-S6 kinases in mouse mast cells by signaling through the c-kit receptor tyrosine kinase or Fc $\epsilon$ RI: rapamycin inhibits activation of pp70-S6 kinase and proliferation in mouse mast cells. <i>European Journal of Immunology</i> , 1993, 23, 3286-3291.	2.9	88
98	Mast Cells and Immunoregulation/Immunomodulation. <i>Advances in Experimental Medicine and Biology</i> , 2011, 716, 186-211.	1.6	88
99	Origins and clonal convergence of gastrointestinal IgE <sup>+</sup> B cells in human peanut allergy. <i>Science Immunology</i> , 2020, 5, .	11.9	88
100	Sustained successful peanut oral immunotherapy associated with low basophil activation and peanut-specific IgE. <i>Journal of Allergy and Clinical Immunology</i> , 2020, 145, 885-896.e6.	2.9	86
101	Distinguishing Mast Cell and Granulocyte Differentiation at the Single-Cell Level. <i>Cell Stem Cell</i> , 2010, 6, 361-368.	11.1	85
102	Neutrophil myeloperoxidase diminishes the toxic effects and mortality induced by lipopolysaccharide. <i>Journal of Experimental Medicine</i> , 2017, 214, 1249-1258.	8.5	84
103	Mast cell anaphylatoxin receptor expression can enhance IgE-dependent skin inflammation in mice. <i>Journal of Allergy and Clinical Immunology</i> , 2013, 131, 541-548.e9.	2.9	83
104	Future Needs in Mast Cell Biology. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4397.	4.1	83
105	Malignant fibrous histiocytoma and pleomorphic sarcoma in association with medullary bone infarcts. <i>Cancer</i> , 1978, 41, 607-619.	4.1	81
106	IgG subclasses determine pathways of anaphylaxis in mice. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 269-280.e7.	2.9	78
107	A Phase 2 Randomized Controlled Multisite Study Using Omalizumab-facilitated Rapid Desensitization to Test Continued vs Discontinued Dosing in Multifood Allergic Individuals. <i>EClinicalMedicine</i> , 2019, 7, 27-38.	7.1	77
108	Monomeric IgE enhances human mast cell chemokine production: IL-4 augments and dexamethasone suppresses the response. <i>Journal of Allergy and Clinical Immunology</i> , 2005, 116, 1357-1363.	2.9	76

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109	Stem cell factor (SCF), a novel hematopoietic growth factor and ligand for c-kit tyrosine kinase receptor, maps on human chromosome 12 between 12q14.3 and 12qter. <i>Somatic Cell and Molecular Genetics</i> , 1991, 17, 207-214.	0.7	75
110	The Mast Cell: A Versatile Effector Cell for a Challenging World. <i>International Archives of Allergy and Immunology</i> , 1997, 113, 14-22.	2.1	75
111	A Key Regulatory Role for Histamine in Experimental Autoimmune Encephalomyelitis: Disease Exacerbation in Histidine Decarboxylase-Deficient Mice. <i>Journal of Immunology</i> , 2006, 176, 17-26.	0.8	75
112	Toward precision medicine and health: Opportunities and challenges in allergic diseases. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 1289-1300.	2.9	75
113	Rapid desensitization induces internalization of antigen-specific IgE on mouse mast cells. <i>Journal of Allergy and Clinical Immunology</i> , 2013, 132, 922-932.e16.	2.9	74
114	IgE-mediated mast cell activation promotes inflammation and cartilage destruction in osteoarthritis. <i>ELife</i> , 2019, 8, .	6.0	74
115	The Mast Cell-IgE Paradox. <i>American Journal of Pathology</i> , 2016, 186, 212-224.	3.8	71
116	Assessing basophil activation by using flow cytometry and mass cytometry in blood stored 24 hours before analysis. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 889-899.e11.	2.9	71
117	Decoupling the Functional Pleiotropy of Stem Cell Factor by Tuning c-Kit Signaling. <i>Cell</i> , 2017, 168, 1041-1052.e18.	28.9	70
118	Critical role of P1-Runx1 in mouse basophil development. <i>Blood</i> , 2012, 120, 76-85.	1.4	69
119	Decreased susceptibility of mast cell-deficient Kit <sup>W</sup> /Kit <sup>W-v</sup> mice to the development of 1, 2-dimethylhydrazine-induced intestinal tumors. <i>Laboratory Investigation</i> , 2005, 85, 388-396.	3.7	68
120	The adherens junctions control susceptibility to <i>Staphylococcus aureus</i> $\epsilon$ -toxin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 14337-14342.	7.1	68
121	Negative Regulation of Fc $\mu$ RI-mediated Degranulation by CD81. <i>Journal of Experimental Medicine</i> , 1997, 186, 1307-1314.	8.5	65
122	Identification of A3 Receptor- and Mast Cell-Dependent and -Independent Components of Adenosine-Mediated Airway Responsiveness in Mice. <i>Journal of Immunology</i> , 2003, 171, 331-337.	0.8	65
123	RabGEF1 is a negative regulator of mast cell activation and skin inflammation. <i>Nature Immunology</i> , 2004, 5, 844-852.	14.5	64
124	Differences in the Importance of Mast Cells, Basophils, IgE, and IgG versus That of CD4 <sup>+</sup> T Cells and ILC2 Cells in Primary and Secondary Immunity to <i>Strongyloides venezuelensis</i> . <i>Infection and Immunity</i> , 2017, 85, .	2.2	62
125	Anaphylaxis: Mechanisms of Mast Cell Activation. <i>Chemical Immunology and Allergy</i> , 2010, 95, 45-66.	1.7	61
126	Association of Clinical Reactivity with Sensitization to Allergen Components in Multifood-Allergic Children. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2017, 5, 1325-1334.e4.	3.8	60



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127	Regulation of secretory granule size by the precise generation and fusion of unit granules. <i>Journal of Cellular and Molecular Medicine</i> , 2010, 14, 1904-1916.	3.6	59
128	Contribution of Mast Cell-Derived Interleukin-1 $\beta$ to Uric Acid Crystal-Induced Acute Arthritis in Mice. <i>Arthritis and Rheumatology</i> , 2014, 66, 2881-2891.	5.6	59
129	Food allergy and omics. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 20-29.	2.9	59
130	Mast cells and IgE in defense against venoms: Possible "good side" of allergy?. <i>Allergology International</i> , 2016, 65, 3-15.	3.3	58
131	IL-3 is required for increases in blood basophils in nematode infection in mice and can enhance IgE-dependent IL-4 production by basophils in vitro. <i>Laboratory Investigation</i> , 2008, 88, 1134-1142.	3.7	57
132	Basophil CD203c Levels Are Increased at Baseline and Can Be Used to Monitor Omalizumab Treatment in Subjects with Nut Allergy. <i>International Archives of Allergy and Immunology</i> , 2011, 154, 318-327.	2.1	57
133	Mast Cells Are Required for Full Expression of Allergen/SEB-Induced Skin Inflammation. <i>Journal of Investigative Dermatology</i> , 2013, 133, 2695-2705.	0.7	57
134	Development of a tool predicting severity of allergic reaction during peanut challenge. <i>Annals of Allergy, Asthma and Immunology</i> , 2018, 121, 69-76.e2.	1.0	57
135	Transcriptional response of human mast cells stimulated via the Fc( $\epsilon$ )RI and identification of mast cells as a source of IL-11. <i>BMC Immunology</i> , 2002, 3, 5.	2.2	56
136	Basophil-derived tumor necrosis factor can enhance survival in a sepsis model in mice. <i>Nature Immunology</i> , 2019, 20, 129-140.	14.5	56
137	Mast Cells Derived from Embryonic Stem Cells: A Model System for Studying the Effects of Genetic Manipulations on Mast Cell Development, Phenotype, and Function In Vitro and In Vivo. <i>International Journal of Hematology</i> , 2002, 75, 345-349.	1.6	55
138	Using Mast Cell Knock-In Mice to Analyze the Roles of Mast Cells in Allergic Responses in vivo. , 2005, 87, 179-197.		55
139	Evidence that Meningeal Mast Cells Can Worsen Stroke Pathology in Mice. <i>American Journal of Pathology</i> , 2014, 184, 2493-2504.	3.8	55
140	Mast cells suppress murine GVHD in a mechanism independent of CD4+CD25+ regulatory T cells. <i>Blood</i> , 2013, 122, 3659-3665.	1.4	52
141	Baseline Gastrointestinal Eosinophilia Is Common in Oral Immunotherapy Subjects With IgE-Mediated Peanut Allergy. <i>Frontiers in Immunology</i> , 2018, 9, 2624.	4.8	49
142	Mast Cell Cytokines in Allergy and Inflammation. , 1993, 43, 209-220.		48
143	Imaging protective mast cells in living mice during severe contact hypersensitivity. <i>JCI Insight</i> , 2017, 2, .	5.0	48
144	A cloned cell with NK function resembles basophils by ultrastructure and expresses IgE receptors. <i>Nature</i> , 1982, 298, 288-290.	27.8	46

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145	Pathogenesis and management of anaphylaxis: Current status and future challenges. <i>Journal of Allergy and Clinical Immunology</i> , 2005, 115, 571-574.	2.9	46
146	Accurate and reproducible diagnosis of peanut allergy using epitope mapping. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 3789-3797.	5.7	45
147	The Regulation of Tumor Necrosis Factor- $\alpha$ Production in Murine Mast Cells: Pentoxifylline or Dexamethasone Inhibits IgE-Dependent Production of TNF- $\alpha$ by Distinct Mechanisms. <i>Cellular Immunology</i> , 1996, 171, 140-146.	3.0	43
148	Evidence That Mast Cells Are Not Required for Healing of Splinted Cutaneous Excisional Wounds in Mice. <i>PLoS ONE</i> , 2013, 8, e59167.	2.5	40
149	Eliciting Dose and Safety Outcomes From a Large Dataset of Standardized Multiple Food Challenges. <i>Frontiers in Immunology</i> , 2018, 9, 2057.	4.8	40
150	Mast cells to the defense. <i>Nature Immunology</i> , 2003, 4, 1160-1162.	14.5	39
151	Analyzing the Roles of Mast Cells and Basophils in Host Defense and Other Biological Responses. <i>International Journal of Hematology</i> , 2002, 75, 363-369.	1.6	38
152	Genetic and Imaging Approaches Reveal Pro-Inflammatory and Immunoregulatory Roles of Mast Cells in Contact Hypersensitivity. <i>Frontiers in Immunology</i> , 2018, 9, 1275.	4.8	38
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