

Hajime Karasuyama

List of Publications by Year in descending order

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115
papers

8,851
citations

61857

43
h-index

43802

91
g-index

115
all docs

115
docs citations

115
times ranked

11347
citing authors

#	ARTICLE	IF	CITATIONS
1	Dominant-negative mutations in the DNA-binding domain of STAT3 cause hyper-IgE syndrome. <i>Nature</i> , 2007, 448, 1058-1062.	13.7	930
2	Human Tyrosine Kinase 2 Deficiency Reveals Its Requisite Roles in Multiple Cytokine Signals Involved in Innate and Acquired Immunity. <i>Immunity</i> , 2006, 25, 745-755.	6.6	601
3	Thymic stromal lymphopoietin-elicited basophil responses promote eosinophilic esophagitis. <i>Nature Medicine</i> , 2013, 19, 1005-1013.	15.2	351
4	Basophils Play a Pivotal Role in Immunoglobulin-G-Mediated but Not Immunoglobulin-E-Mediated Systemic Anaphylaxis. <i>Immunity</i> , 2008, 28, 581-589.	6.6	329
5	Basophils Play a Critical Role in the Development of IgE-Mediated Chronic Allergic Inflammation Independently of T Cells and Mast Cells. <i>Immunity</i> , 2005, 23, 191-202.	6.6	291
6	Essential role of Src-family protein tyrosine kinases in NF- κ B activation during B cell development. <i>Nature Immunology</i> , 2003, 4, 274-279.	7.0	277
7	Selective ablation of basophils in mice reveals their nonredundant role in acquired immunity against ticks. <i>Journal of Clinical Investigation</i> , 2010, 120, 2867-2875.	3.9	272
8	Basophils are essential initiators of a novel type of chronic allergic inflammation. <i>Blood</i> , 2007, 110, 913-920.	0.6	255
9	Mouse and human neutrophils induce anaphylaxis. <i>Journal of Clinical Investigation</i> , 2011, 121, 1484-1496.	3.9	249
10	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.	6.6	240
11	Inflammatory Monocytes Recruited to Allergic Skin Acquire an Anti-inflammatory M2 Phenotype via Basophil-Derived Interleukin-4. <i>Immunity</i> , 2013, 38, 570-580.	6.6	215
12	Molecular explanation for the contradiction between systemic Th17 defect and localized bacterial infection in hyper-IgE syndrome. <i>Journal of Experimental Medicine</i> , 2009, 206, 1291-1301.	4.2	213
13	Nonredundant Roles of Basophils in Immunity. <i>Annual Review of Immunology</i> , 2011, 29, 45-69.	9.5	212
14	Role of Mast Cells and Basophils in IgE Responses and in Allergic Airway Hyperresponsiveness. <i>Journal of Immunology</i> , 2012, 188, 1809-1818.	0.4	145
15	Erk Kinases Link Pre-B Cell Receptor Signaling to Transcriptional Events Required for Early B Cell Expansion. <i>Immunity</i> , 2008, 28, 499-508.	6.6	144
16	Skin thymic stromal lymphopoietin initiates Th2 responses through an orchestrated immune cascade. <i>Nature Communications</i> , 2013, 4, 2847.	5.8	140
17	Plasmacytic Transcription Factor Blimp-1 Is Repressed by Bach2 in B Cells. <i>Journal of Biological Chemistry</i> , 2006, 281, 38226-38234.	1.6	138
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 skin is an important bulwark of acquired immunity against intestinal helminths. <i>Journal of Experimental Medicine</i> , 2013, 210, 2583-2595.	4.2	131
20	Newly discovered roles for basophils: a neglected minority gains new respect. <i>Nature Reviews Immunology</i> , 2009, 9, 9-13.	10.6	129
21	LOK is a major ERM kinase in resting lymphocytes and regulates cytoskeletal rearrangement through ERM phosphorylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 4707-4712.	3.3	123
22	Peanuts can contribute to anaphylactic shock by activating complement. <i>Journal of Allergy and Clinical Immunology</i> , 2009, 123, 342-351.	1.5	119
23	NK Cell-Depleting Anti-Asialo GM1 Antibody Exhibits a Lethal Off-Target Effect on Basophils In Vivo. <i>Journal of Immunology</i> , 2011, 186, 5766-5771.	0.4	119
24	Troglucocytosis of peptide-MHC class II complexes from dendritic cells confers antigen-presenting ability on basophils. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 1111-1116.	3.3	107
25	Defective IL-10 signaling in hyper-IgE syndrome results in impaired generation of tolerogenic dendritic cells and induced regulatory T cells. <i>Journal of Experimental Medicine</i> , 2011, 208, 235-249.	4.2	105
26	Basophils preferentially express mouse mast cell protease 11 among the mast cell tryptase family in contrast to mast cells. <i>Journal of Leukocyte Biology</i> , 2009, 86, 1417-1425.	1.5	101
27	GATA-1 regulates the generation and function of basophils. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 18620-18625.	3.3	94
28	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.	1.5	91
29	Multifaceted roles of basophils in health and disease. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 142, 370-380.	1.5	91
30	Dok-1 and Dok-2 are negative regulators of lipopolysaccharide-induced signaling. <i>Journal of Experimental Medicine</i> , 2005, 201, 333-339.	4.2	89
31	Emerging roles of basophils in allergic inflammation. <i>Allergology International</i> , 2017, 66, 382-391.	1.4	88
32	Fc receptor β -chain, a constitutive component of the IL-3 receptor, is required for IL-3-induced IL-4 production in basophils. <i>Nature Immunology</i> , 2009, 10, 214-222.	7.0	84
33	Critical role of the neutrophil-associated high-affinity receptor for IgE in the pathogenesis of experimental cerebral malaria. <i>Journal of Experimental Medicine</i> , 2011, 208, 2225-2236.	4.2	82
34	Macrophages transfer mitochondria to sensory neurons to resolve inflammatory pain. <i>Neuron</i> , 2022, 110, 613-626.e9.	3.8	71
35	The Ectoenzyme E-NPP3 Negatively Regulates ATP-Dependent Chronic Allergic Responses by Basophils and Mast Cells. <i>Immunity</i> , 2015, 42, 279-293.	6.6	70
36	Basophils trigger emphysema development in a murine model of COPD through IL-4-mediated generation of MMP-12-producing macrophages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 13057-13062.	3.3	70

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37	Critical role of P1-Runx1 in mouse basophil development. <i>Blood</i> , 2012, 120, 76-85.	0.6	69
38	Differences in the Importance of Mast Cells, Basophils, IgE, and IgG versus That of CD4 ⁺ T Cells and ILC2 Cells in Primary and Secondary Immunity to <i>Strongyloides venezuelensis</i> . <i>Infection and Immunity</i> , 2017, 85, .	1.0	62
39	Basophils have emerged as a key player in immunity. <i>Current Opinion in Immunology</i> , 2014, 31, 1-7.	2.4	61
40	Defects in Jak-STAT-mediated cytokine signals cause hyper-IgE syndrome: lessons from a primary immunodeficiency. <i>International Immunology</i> , 2009, 21, 105-112.	1.8	60
41	Contribution of Mast Cell-Derived Interleukin-1 β to Uric Acid Crystal-Induced Acute Arthritis in Mice. <i>Arthritis and Rheumatology</i> , 2014, 66, 2881-2891.	2.9	59
42	Allergic skin sensitization promotes eosinophilic esophagitis through the IL-33-basophil axis in mice. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 138, 1367-1380.e5.	1.5	56
43	Prostaglandin D2 amplifies lupus disease through basophil accumulation in lymphoid organs. <i>Nature Communications</i> , 2018, 9, 725.	5.8	56
44	Basophil-derived tumor necrosis factor can enhance survival in a sepsis model in mice. <i>Nature Immunology</i> , 2019, 20, 129-140.	7.0	56
45	The Role of Trogocytosis in the Modulation of Immune Cell Functions. <i>Cells</i> , 2021, 10, 1255.	1.8	47
46	Newly appreciated roles for basophils in allergy and protective immunity. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2011, 66, 1133-1141.	2.7	46
47	Recent advances in understanding basophil-mediated Th2 immune responses. <i>Immunological Reviews</i> , 2017, 278, 237-245.	2.8	46
48	Ly49Q, a member of the Ly49 family that is selectively expressed on myeloid lineage cells and involved in regulation of cytoskeletal architecture. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 1016-1021.	3.3	44
49	Basophils Amplify Type 2 Immune Responses, but Do Not Serve a Protective Role, during Chronic Infection of Mice with the Filarial Nematode <i>Litomosoides sigmodontis</i> . <i>Journal of Immunology</i> , 2010, 185, 7426-7434.	0.4	44
50	Basophils Trigger Fibroblast Activation in Cardiac Allograft Fibrosis Development. <i>American Journal of Transplantation</i> , 2016, 16, 2574-2588.	2.6	42
51	Basophils and their effector molecules in allergic disorders. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 1693-1706.	2.7	40
52	Sequential Engagement of Fc μ RI on Mast Cells and Basophil Histamine H4 Receptor and Fc μ RI in Allergic Rhinitis. <i>Journal of Immunology</i> , 2013, 190, 539-548.	0.4	39
53	Skin-infiltrating basophils promote atopic dermatitis-like inflammation via IL-4 production in mice. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 2613-2622.	2.7	39
54	Immunobiology of Acquired Resistance to Ticks. <i>Frontiers in Immunology</i> , 2020, 11, 601504.	2.2	38

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55	Activation of NF- κ B promotes the transition of large, CD43 ⁺ pre-B cells to small, CD43 ⁺ pre-B cells. <i>International Immunology</i> , 2005, 17, 815-825.	1.8	36
56	The transfer of maternal antigen-specific IgG regulates the development of allergic airway inflammation early in life in an FcRn-dependent manner. <i>Biochemical and Biophysical Research Communications</i> , 2010, 395, 238-243.	1.0	36
57	Chronic inflammation of the skin can be induced in IgE transgenic mice by means of a single challenge of multivalent antigen. <i>Journal of Allergy and Clinical Immunology</i> , 2003, 111, 143-148.	1.5	34
58	MIP-1 α /CCL3-expressing basophil-lineage cells drive the leukemic hematopoiesis of chronic myeloid leukemia in mice. <i>Blood</i> , 2016, 127, 2607-2617.	0.6	32
59	Pathways of immediate hypothermia and leukocyte infiltration in an adjuvant-free mouse model of anaphylaxis. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 584-596.e10.	1.5	32
60	Basophil-derived IL-4 plays versatile roles in immunity. <i>Seminars in Immunopathology</i> , 2016, 38, 615-622.	2.8	31
61	Histamine Released From Skin-Infiltrating Basophils but Not Mast Cells Is Crucial for Acquired Tick Resistance in Mice. <i>Frontiers in Immunology</i> , 2018, 9, 1540.	2.2	31
62	IgG-mediated systemic anaphylaxis to protein antigen can be induced even under conditions of limited amounts of antibody and antigen. <i>Biochemical and Biophysical Research Communications</i> , 2010, 402, 742-746.	1.0	30
63	How do basophils contribute to Th2 cell differentiation and allergic responses?. <i>International Immunology</i> , 2018, 30, 391-396.	1.8	30
64	An Atopic Dermatitis-Like Skin Disease with Hyper-IgE-emia Develops in Mice Carrying a Spontaneous Recessive Point Mutation in the <i>Traf3ip2</i> (<i>Act1</i> / <i>CIKS</i>) Gene. <i>Journal of Immunology</i> , 2010, 185, 2340-2349.	0.4	29
65	Intravital imaging of Ca ²⁺ signals in lymphocytes of Ca ²⁺ biosensor transgenic mice: indication of autoimmune diseases before the pathological onset. <i>Scientific Reports</i> , 2016, 6, 18738.	1.6	28
66	Basophils contribute to pristane-induced Lupus-like nephritis model. <i>Scientific Reports</i> , 2017, 7, 7969.	1.6	28
67	Crucial Role for Basophils in Acquired Protective Immunity to Tick Infestation. <i>Frontiers in Physiology</i> , 2018, 9, 1769.	1.3	28
68	Skin CD4 ⁺ Memory T Cells Play an Essential Role in Acquired Anti-Tick Immunity through Interleukin-3-Mediated Basophil Recruitment to Tick-Feeding Sites. <i>Frontiers in Immunology</i> , 2017, 8, 1348.	2.2	26
69	The skewed heavy-chain repertoire in peritoneal B-1 cells is predetermined by the selection via pre-B cell receptor during B cell ontogeny in the fetal liver. <i>International Immunology</i> , 2009, 21, 43-52.	1.8	25
70	Emerging roles of basophils in protective immunity against parasites. <i>Trends in Immunology</i> , 2011, 32, 125-130.	2.9	25
71	Basophil tryptase mMCP-11 plays a crucial role in IgE-mediated, delayed-onset allergic inflammation in mice. <i>Blood</i> , 2016, 128, 2909-2918.	0.6	25
72	E-cadherin is regulated by GATA-2 and marks the early commitment of mouse hematopoietic progenitors to the basophil and mast cell fates. <i>Science Immunology</i> , 2021, 6, .	5.6	25

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73	The basophil-IL-4 mast cell axis is required for food allergy. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2019, 74, 1992-1996.	2.7	24
74	Deficiency of BLNK hampers PLC-gamma2 phosphorylation and Ca ²⁺ influx induced by the pre-B-cell receptor in human pre-B cells. <i>Immunology</i> , 2004, 112, 575-582.	2.0	23
75	Visualization of Probiotic-Mediated Ca ²⁺ Signaling in Intestinal Epithelial Cells In Vivo. <i>Frontiers in Immunology</i> , 2016, 7, 601.	2.2	22
76	The Basophil-specific Protease mMCP-8 Provokes an Inflammatory Response in the Skin with Microvascular Hyperpermeability and Leukocyte Infiltration. <i>Journal of Biological Chemistry</i> , 2017, 292, 1061-1067.	1.6	21
77	Ovalbumin-specific IgE modulates ovalbumin-specific T-cell response after repetitive oral antigen administration. <i>Journal of Allergy and Clinical Immunology</i> , 2005, 115, 822-827.	1.5	19
78	Basophil depletion downregulates <i>Schistosoma mansoni</i> egg-induced granuloma formation. <i>Parasitology International</i> , 2013, 62, 508-513.	0.6	18
79	Placental Extravillous Cytotrophoblasts Persistently Express Class I Major Histocompatibility Complex Molecules after Human Cytomegalovirus Infection. <i>Journal of Virology</i> , 2003, 77, 8187-8195.	1.5	17
80	Differential usage of COX-1 and COX-2 in prostaglandin production by mast cells and basophils. <i>Biochemistry and Biophysics Reports</i> , 2017, 10, 82-87.	0.7	17
81	CD41 is a reliable identification and activation marker for murine basophils in the steady state and during helminth and malarial infections. <i>European Journal of Immunology</i> , 2014, 44, 1823-1834.	1.6	16
82	Novel CD200 homologues iSEC1 and iSEC2 are gastrointestinal secretory cell-specific ligands of inhibitory receptor CD200R. <i>Scientific Reports</i> , 2016, 6, 36457.	1.6	16
83	BASH-novel PKC-Raf-1 pathway of pre-BCR signaling induces Ig gene rearrangement. <i>Blood</i> , 2006, 108, 2703-2711.	0.6	15
84	A Novel Mechanism for the Autonomous Termination of Pre-B Cell Receptor Expression via Induction of Lysosome-Associated Protein Transmembrane 5. <i>Molecular and Cellular Biology</i> , 2012, 32, 4462-4471.	1.1	15
85	Th2-inducing cytokines IL-4 and IL-33 synergistically elicit the expression of transmembrane TNF-Î± on macrophages through the autocrine action of IL-6. <i>Biochemical and Biophysical Research Communications</i> , 2012, 420, 114-118.	1.0	15
86	Basophils help establish protective immunity induced by irradiated larval vaccination for filariasis. <i>Vaccine</i> , 2013, 31, 3675-3682.	1.7	15
87	Real-time imaging of mast cell degranulation in vitro and in vivo. <i>Biochemical and Biophysical Research Communications</i> , 2016, 479, 517-522.	1.0	15
88	Basophil-derived IL-4 promotes cutaneous <i>Staphylococcus aureus</i> infection. <i>JCI Insight</i> , 2021, 6, .	2.3	15
89	IL-3 Triggers Chronic Rejection of Cardiac Allografts by Activation of Infiltrating Basophils. <i>Journal of Immunology</i> , 2019, 202, 3514-3523.	0.4	14
90	Diagnostic importance of CD179a/b as markers of precursor B-cell lymphoblastic lymphoma. <i>Modern Pathology</i> , 2004, 17, 423-429.	2.9	13

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91	Selection of stereotyped VH81X-Î¼4H chains via pre-B cell receptor early in ontogeny and their conservation in adults by marginal zone B cells. <i>International Immunology</i> , 2005, 17, 857-867.	1.8	12
92	Antigen-Specific IgG ameliorates allergic airway inflammation via FcÎ³3 receptor IIB on dendritic cells. <i>Respiratory Research</i> , 2011, 12, 42.	1.4	12
93	IL-4 Derived from Non-T Cells Induces Basophil- and IL-3-independent Th2 Immune Responses. <i>Immune Network</i> , 2013, 13, 249.	1.6	12
94	Basophils and mast cells in immunity and inflammation. <i>Seminars in Immunopathology</i> , 2016, 38, 535-537.	2.8	12
95	Human eosinophils constitutively express a unique serine protease, PRSS33. <i>Allergology International</i> , 2017, 66, 463-471.	1.4	12
96	Pivotal role of STIM2, but not STIM1, in IL-4 production by IL-3-Î“stimulated murine basophils. <i>Science Signaling</i> , 2019, 12, .	1.6	12
97	Basophils, a neglected minority in the immune system, have come into the limelight at last. <i>International Immunology</i> , 2021, 33, 809-813.	1.8	12
98	Basophil-derived mouse mast cell protease 11 induces microvascular leakage and tissue edema in a mast cell-independent manner. <i>Biochemical and Biophysical Research Communications</i> , 2011, 415, 709-713.	1.0	11
99	Selective suppression of oral allergen-induced anaphylaxis by Allergin-1 on basophils in mice. <i>International Immunology</i> , 2020, 32, 213-219.	1.8	11
100	Basophils and mast cells play critical roles for leukocyte recruitment in IgE-mediated cutaneous reverse passive Arthus reaction. <i>Journal of Dermatological Science</i> , 2012, 67, 181-189.	1.0	10
101	Activation of basophils by the double-Î“stranded <sc>RNA</sc> poly(A:U) exacerbates allergic inflammation. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2013, 68, 732-738.	2.7	10
102	The role of basophils in acquired protective immunity to tick infestation. <i>Parasite Immunology</i> , 2021, 43, e12804.	0.7	10
103	Melanocortin Receptors 1 and 5 Might Mediate Inhibitory Effects of Î±-Melanocyte-Stimulating Hormone on Antigen-Induced Chronic Allergic Skin Inflammation in IgE Transgenic Mice. <i>Journal of Investigative Dermatology</i> , 2012, 132, 1925-1927.	0.3	9
104	Propolis induces Ca²⁺ signaling in immune cells. <i>Bioscience of Microbiota, Food and Health</i> , 2019, 38, 141-149.	0.8	9
105	A novel hairless mouse model on an atopic dermatitis-prone genetic background generated by receptor-mediated transgenesis. <i>Transgenic Research</i> , 2008, 17, 1155-1162.	1.3	8
106	Stable lines and clones of long-term proliferating normal, genetically unmodified murine common lymphoid progenitors. <i>Blood</i> , 2018, 131, 2026-2035.	0.6	8
107	B cell activation in the cecal patches during the development of an experimental colitis model. <i>Biochemical and Biophysical Research Communications</i> , 2018, 496, 367-373.	1.0	7
108	Large particulate allergens can elicit mast cell-mediated anaphylaxis without exit from blood vessels as efficiently as do small soluble allergens. <i>Biochemical and Biophysical Research Communications</i> , 2015, 467, 70-75.	1.0	5

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109	Amphiregulin from Basophils Amplifies Basophil-Mediated Chronic Skin Inflammation. <i>Journal of Investigative Dermatology</i> , 2019, 139, 1834-1837.e2.	0.3	5
110	Tolerogenic properties of CD206+ macrophages appeared in the sublingual mucosa after repeated antigen-painting. <i>International Immunology</i> , 2020, 32, 509-518.	1.8	5
111	Dual real-time inÂvivo monitoring system of the brain-gut axis. <i>Biochemical and Biophysical Research Communications</i> , 2020, 524, 340-345.	1.0	5
112	Visualization of mechanical stress-mediated Ca ²⁺ signaling in the gut using intravital imaging. <i>Bioscience of Microbiota, Food and Health</i> , 2020, 39, 209-218.	0.8	3
113	Molecular cloning and characterization of TPP36 and its isoform TPP32, novel substrates of Abl tyrosine kinase. <i>FEBS Letters</i> , 2003, 537, 203-209.	1.3	2
114	The study of allergy by Japanese researchers: a historical perspective. <i>International Immunology</i> , 2009, 21, 1311-1316.	1.8	0
115	Aggregation makes a protein allergenic at the challenge phase of basophil-mediated allergy in mice. <i>International Immunology</i> , 2019, 31, 41-49.	1.8	0