

Hajime Karasuyama

List of Publications by Year in descending order

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Version: 2024-02-01

115
papers

8,851
citations

61984

43
h-index

43889

91
g-index

115
all docs

115
docs citations

115
times ranked

11347
citing authors

#	ARTICLE	IF	CITATIONS
1	Macrophages transfer mitochondria to sensory neurons to resolve inflammatory pain. <i>Neuron</i> , 2022, 110, 613-626.e9.	8.1	71
2	Basophils and their effector molecules in allergic disorders. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 1693-1706.	5.7	40
3	The role of basophils in acquired protective immunity to tick infestation. <i>Parasite Immunology</i> , 2021, 43, e12804.	1.5	10
4	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, .	11.9	25
5	Basophils, a neglected minority in the immune system, have come into the limelight at last. <i>International Immunology</i> , 2021, 33, 809-813.	4.0	12
6	The Role of Trogocytosis in the Modulation of Immune Cell Functions. <i>Cells</i> , 2021, 10, 1255.	4.1	47
7	Basophil-derived IL-4 promotes cutaneous <i>Staphylococcus aureus</i> infection. <i>JCI Insight</i> , 2021, 6, .	5.0	15
8	Selective suppression of oral allergen-induced anaphylaxis by Allergin-1 on basophils in mice. <i>International Immunology</i> , 2020, 32, 213-219.	4.0	11
9	Immunobiology of Acquired Resistance to Ticks. <i>Frontiers in Immunology</i> , 2020, 11, 601504.	4.8	38
10	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.	5.7	39
11	Tolerogenic properties of CD206+ macrophages appeared in the sublingual mucosa after repeated antigen-painting. <i>International Immunology</i> , 2020, 32, 509-518.	4.0	5
12	Dual real-time in vivo monitoring system of the brain-gut axis. <i>Biochemical and Biophysical Research Communications</i> , 2020, 524, 340-345.	2.1	5
13	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.	1.8	3
14	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
15	Amphiregulin from Basophils Amplifies Basophil-Mediated Chronic Skin Inflammation. <i>Journal of Investigative Dermatology</i> , 2019, 139, 1834-1837.e2.	0.7	5
16	IL-3 Triggers Chronic Rejection of Cardiac Allografts by Activation of Infiltrating Basophils. <i>Journal of Immunology</i> , 2019, 202, 3514-3523.	0.8	14
17	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.	5.7	24
18	Pivotal role of STIM2, but not STIM1, in IL-4 production by IL-3-stimulated murine basophils. <i>Science Signaling</i> , 2019, 12, .	3.6	12

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19	Propolis induces Ca ²⁺ signaling in immune cells. <i>Bioscience of Microbiota, Food and Health</i> , 2019, 38, 141-149.	1.8	9
20	Aggregation makes a protein allergenic at the challenge phase of basophil-mediated allergy in mice. <i>International Immunology</i> , 2019, 31, 41-49.	4.0	0
21	Prostaglandin D2 amplifies lupus disease through basophil accumulation in lymphoid organs. <i>Nature Communications</i> , 2018, 9, 725.	12.8	56
22	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.	2.1	7
23	Multifaceted roles of basophils in health and disease. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 142, 370-380.	2.9	91
24	Stable lines and clones of long-term proliferating normal, genetically unmodified murine common lymphoid progenitors. <i>Blood</i> , 2018, 131, 2026-2035.	1.4	8
25	Crucial Role for Basophils in Acquired Protective Immunity to Tick Infestation. <i>Frontiers in Physiology</i> , 2018, 9, 1769.	2.8	28
26	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.	7.1	70
27	How do basophils contribute to Th2 cell differentiation and allergic responses?. <i>International Immunology</i> , 2018, 30, 391-396.	4.0	30
28	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.	4.8	31
29	Troglodytosis 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.	7.1	107
30	Human eosinophils constitutively express a unique serine protease, PRSS33. <i>Allergology International</i> , 2017, 66, 463-471.	3.3	12
31	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, .	2.2	62
32	Emerging roles of basophils in allergic inflammation. <i>Allergology International</i> , 2017, 66, 382-391.	3.3	88
33	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.	1.3	17
34	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.	3.4	21
35	Basophils contribute to pristane-induced Lupus-like nephritis model. <i>Scientific Reports</i> , 2017, 7, 7969.	3.3	28
36	Recent advances in understanding basophil-mediated Th2 immune responses. <i>Immunological Reviews</i> , 2017, 278, 237-245.	6.0	46

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37	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.	2.9	32
38	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.	4.8	26
39	Visualization of Probiotic-Mediated Ca ²⁺ Signaling in Intestinal Epithelial Cells In Vivo. <i>Frontiers in Immunology</i> , 2016, 7, 601.	4.8	22
40	Basophils Trigger Fibroblast Activation in Cardiac Allograft Fibrosis Development. <i>American Journal of Transplantation</i> , 2016, 16, 2574-2588.	4.7	42
41	Basophil tryptase mMCP-11 plays a crucial role in IgE-mediated, delayed-onset allergic inflammation in mice. <i>Blood</i> , 2016, 128, 2909-2918.	1.4	25
42	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.	3.3	28
43	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.	2.9	56
44	Basophil-derived IL-4 plays versatile roles in immunity. <i>Seminars in Immunopathology</i> , 2016, 38, 615-622.	6.1	31
45	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.	1.4	32
46	Real-time imaging of mast cell degranulation in vitro and in vivo. <i>Biochemical and Biophysical Research Communications</i> , 2016, 479, 517-522.	2.1	15
47	Basophils and mast cells in immunity and inflammation. <i>Seminars in Immunopathology</i> , 2016, 38, 535-537.	6.1	12
48	Novel CD200 homologues iSEC1 and iSEC2 are gastrointestinal secretory cell-specific ligands of inhibitory receptor CD200R. <i>Scientific Reports</i> , 2016, 6, 36457.	3.3	16
49	The Ectoenzyme E-NPP3 Negatively Regulates ATP-Dependent Chronic Allergic Responses by Basophils and Mast Cells. <i>Immunity</i> , 2015, 42, 279-293.	14.3	70
50	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
51	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.	2.1	5
52	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.	2.9	16
53	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.	5.6	59
54	NADPH Oxidase-Independent Formation of Extracellular DNA Traps by Basophils. <i>Journal of Immunology</i> , 2014, 192, 5314-5323.	0.8	138

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55	Basophils have emerged as a key player in immunity. <i>Current Opinion in Immunology</i> , 2014, 31, 1-7.	5.5	61
56	Thymic stromal lymphopoietin-elicited basophil responses promote eosinophilic esophagitis. <i>Nature Medicine</i> , 2013, 19, 1005-1013.	30.7	351
57	Basophil depletion downregulates <i>Schistosoma mansoni</i> egg-induced granuloma formation. <i>Parasitology International</i> , 2013, 62, 508-513.	1.3	18
58	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
59	Basophils help establish protective immunity induced by irradiated larval vaccination for filariasis. <i>Vaccine</i> , 2013, 31, 3675-3682.	3.8	15
60	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.	7.1	94
61	Skin thymic stromal lymphopoietin initiates Th2 responses through an orchestrated immune cascade. <i>Nature Communications</i> , 2013, 4, 2847.	12.8	140
62	Inflammatory Monocytes Recruited to Allergic Skin Acquire an Anti-inflammatory M2 Phenotype via Basophil-Derived Interleukin-4. <i>Immunity</i> , 2013, 38, 570-580.	14.3	215
63	The skin is an important bulwark of acquired immunity against intestinal helminths. <i>Journal of Experimental Medicine</i> , 2013, 210, 2583-2595.	8.5	131
64	Activation of basophils by the double-stranded RNA poly(A:U) exacerbates allergic inflammation. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2013, 68, 732-738.	5.7	10
65	Sequential Engagement of Fc ϵ RI on Mast Cells and Basophil Histamine H4 Receptor and Fc ϵ RI in Allergic Rhinitis. <i>Journal of Immunology</i> , 2013, 190, 539-548.	0.8	39
66	IL-4 Derived from Non-T Cells Induces Basophil- and IL-3-independent Th2 Immune Responses. <i>Immune Network</i> , 2013, 13, 249.	3.6	12
67	Melanocortin Receptors 1 and 5 Might Mediate Inhibitory Effects of α -Melanocyte-Stimulating Hormone on Antigen-Induced Chronic Allergic Skin Inflammation in IgE Transgenic Mice. <i>Journal of Investigative Dermatology</i> , 2012, 132, 1925-1927.	0.7	9
68	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.	2.3	15
69	Critical role of P1-Runx1 in mouse basophil development. <i>Blood</i> , 2012, 120, 76-85.	1.4	69
70	Role of Mast Cells and Basophils in IgE Responses and in Allergic Airway Hyperresponsiveness. <i>Journal of Immunology</i> , 2012, 188, 1809-1818.	0.8	145
71	Th2-inducing cytokines IL-4 and IL-33 synergistically elicit the expression of transmembrane TNF- α on macrophages through the autocrine action of IL-6. <i>Biochemical and Biophysical Research Communications</i> , 2012, 420, 114-118.	2.1	15
72	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.	1.9	10

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73	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.	8.5	82
74	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.	2.1	11
75	Emerging roles of basophils in protective immunity against parasites. <i>Trends in Immunology</i> , 2011, 32, 125-130.	6.8	25
76	Newly appreciated roles for basophils in allergy and protective immunity. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2011, 66, 1133-1141.	5.7	46
77	Nonredundant Roles of Basophils in Immunity. <i>Annual Review of Immunology</i> , 2011, 29, 45-69.	21.8	212
78	Mouse and human neutrophils induce anaphylaxis. <i>Journal of Clinical Investigation</i> , 2011, 121, 1484-1496.	8.2	249
79	Antigen-Specific IgG ameliorates allergic airway inflammation via Fc γ 3 receptor IIB on dendritic cells. <i>Respiratory Research</i> , 2011, 12, 42.	3.6	12
80	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.	8.5	105
81	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.	0.8	119
82	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.	0.8	29
83	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.	0.8	44
84	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.	2.1	36
85	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.	2.1	30
86	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.	8.2	272
87	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.	7.1	123
88	Defects in Jak-STAT-mediated cytokine signals cause hyper-IgE syndrome: lessons from a primary immunodeficiency. <i>International Immunology</i> , 2009, 21, 105-112.	4.0	60
89	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.	3.3	101
90	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.	4.0	25

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91	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.	8.5	213
92	The study of allergy by Japanese researchers: a historical perspective. <i>International Immunology</i> , 2009, 21, 1311-1316.	4.0	0
93	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.	14.5	84
94	Newly discovered roles for basophils: a neglected minority gains new respect. <i>Nature Reviews Immunology</i> , 2009, 9, 9-13.	22.7	129
95	Peanuts can contribute to anaphylactic shock by activating complement. <i>Journal of Allergy and Clinical Immunology</i> , 2009, 123, 342-351.	2.9	119
96	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.	2.4	8
97	Basophils Play a Pivotal Role in Immunoglobulin-G-Mediated but Not Immunoglobulin-E-Mediated Systemic Anaphylaxis. <i>Immunity</i> , 2008, 28, 581-589.	14.3	329
98	Erk Kinases Link Pre-B Cell Receptor Signaling to Transcriptional Events Required for Early B Cell Expansion. <i>Immunity</i> , 2008, 28, 499-508.	14.3	144
99	Basophils are essential initiators of a novel type of chronic allergic inflammation. <i>Blood</i> , 2007, 110, 913-920.	1.4	255
100	Dominant-negative mutations in the DNA-binding domain of STAT3 cause hyper-IgE syndrome. <i>Nature</i> , 2007, 448, 1058-1062.	27.8	930
101	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.	14.3	601
102	BASH-novel PKC-Raf-1 pathway of pre-BCR signaling induces β gene rearrangement. <i>Blood</i> , 2006, 108, 2703-2711.	1.4	15
103	Plasmacytic Transcription Factor Blimp-1 Is Repressed by Bach2 in B Cells. <i>Journal of Biological Chemistry</i> , 2006, 281, 38226-38234.	3.4	138
104	Selection of stereotyped VH81X- β 4H 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.	4.0	12
105	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.	4.0	36
106	Dok-1 and Dok-2 are negative regulators of lipopolysaccharide-induced signaling. <i>Journal of Experimental Medicine</i> , 2005, 201, 333-339.	8.5	89
107	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.	14.3	291
108	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.	2.9	19

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109	Ly49Q, a member of the Ly49 family that is selectively expressed on myeloid lineage cells and involved in regulation of cytoskeletal architecture. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 1016-1021.	7.1	44
110	Diagnostic importance of CD179a/b as markers of precursor B-cell lymphoblastic lymphoma. Modern Pathology, 2004, 17, 423-429.	5.5	13
111	Deficiency of BLNK hampers PLC-gamma2 phosphorylation and Ca ²⁺ influx induced by the pre-B-cell receptor in human pre-B cells. Immunology, 2004, 112, 575-582.	4.4	23
112	Essential role of Src-family protein tyrosine kinases in NF- κ B activation during B cell development. Nature Immunology, 2003, 4, 274-279.	14.5	277
113	Chronic inflammation of the skin can be induced in IgE transgenic mice by means of a single challenge of multivalent antigen. Journal of Allergy and Clinical Immunology, 2003, 111, 143-148.	2.9	34
114	Molecular cloning and characterization of TPP36 and its isoform TPP32, novel substrates of Abl tyrosine kinase. FEBS Letters, 2003, 537, 203-209.	2.8	2
115	Placental Extravillous Cytotrophoblasts Persistently Express Class I Major Histocompatibility Complex Molecules after Human Cytomegalovirus Infection. Journal of Virology, 2003, 77, 8187-8195.	3.4	17