Nagahiro Minato

List of Publications by Year
in descending order

74 papers	8,999 citations	136950 32 h-index	82547 72 g-index
77 all docs	77 docs citations	77 times ranked	13039 citing authors

#	Article	IF	Citations
1	Involvement of PD-L1 on tumor cells in the escape from host immune system and tumor immunotherapy by PD-L1 blockade. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 12293-12297.	7.1	2,563
2	Development of Lupus-like Autoimmune Diseases by Disruption of the PD-1 Gene Encoding an ITIM Motif-Carrying Immunoreceptor. Immunity, 1999, 11, 141-151.	14.3	2,336
3	Aberrant PD-L1 expression through 3â€²-UTR disruption in multiple cancers. Nature, 2016, 534, 402-406.	27.8	536
4	Rap1 Is a Potent Activation Signal for Leukocyte Function-Associated Antigen 1 Distinct from Protein Kinase C and Phosphatidylinositol-3-OH Kinase. Molecular and Cellular Biology, 2000, 20, 1956-1969.	2.3	313
5	4F2 (CD98) Heavy Chain Is Associated Covalently with an Amino Acid Transporter and Controls Intracellular Trafficking and Membrane Topology of 4F2 Heterodimer. Journal of Biological Chemistry, 1999, 274, 3009-3016.	3.4	273
6	Obesity accelerates T cell senescence in murine visceral adipose tissue. Journal of Clinical Investigation, 2016, 126, 4626-4639.	8.2	207
7	Facilitation of Î² Selection and Modification of Positive Selection in the Thymus of Pd-1â€“Deficient Mice. Journal of Experimental Medicine, 2000, 191, 891-898.	8.5	177
8	Rap1 GTPase: Functions, Regulation, and Malignancy. Journal of Biochemistry, 2003, 134, 479-484.	1.7	158
9	Rap1 GTPase-activating Protein SPA-1 Negatively Regulates Cell Adhesion. Journal of Biological Chemistry, 1999, 274, 18463-18469.	3.4	152
10	PD-1⁺memory phenotype CD4⁺T cells expressing C/EBPÎ± underlie T cell immunodepression in senescence and leukemia. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 15807-15812.	7.1	127
11	Myeloproliferative stem cell disorders by deregulated Rap1 activation in SPA-1-deficient mice. Cancer Cell, 2003, 4, 55-65.	16.8	124
12	Î³Î´ T Cells and Their Potential for Immunotherapy. International Journal of Biological Sciences, 2014, 10, 119-135.	6.4	122
13	Human SPA-1 Gene Product Selectively Expressed in Lymphoid Tissues Is a Specific GTPase-activating Protein for Rap1 and Rap2. Journal of Biological Chemistry, 1997, 272, 28081-28088.	3.4	111
14	Medullary Thymic Epithelial Stem Cells Maintain a Functional Thymus to Ensure Lifelong Central T Cell Tolerance. Immunity, 2014, 41, 753-761.	14.3	106
15	Heterogeneous fibroblasts underlie age-dependent tertiary lymphoid tissues in the kidney. JCI Insight, 2016, 1, e87680.	5.0	96
16	The impact of senescence-associated T cells on immunosenescence and age-related disorders. Inflammation and Regeneration, 2018, 38, 24.	3.7	82
17	A CD153+CD4+ T Follicular Cell Population with Cell-Senescence Features Plays a Crucial Role in Lupus Pathogenesis via Osteopontin Production. Journal of Immunology, 2015, 194, 5725-5735.	0.8	80
18	Anti-Programmed Cell Death 1 Antibody Reduces CD4+PD-1+ T Cells and Relieves the Lupus-Like Nephritis of NZB/W F1 Mice. Journal of Immunology, 2010, 184, 2337-2347.	0.8	73

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19	Adult Thymic Medullary Epithelium Is Maintained and Regenerated by Lineage-Restricted Cells Rather Than Bipotent Progenitors. Cell Reports, 2015, 13, 1432-1443.	6.4	69
20	Physiology and pathology of T-cell aging. International Immunology, 2020, 32, 223-231.	4.0	68
21	Bromodomain Protein Brd4 Binds to GTPase-Activating SPA-1, Modulating Its Activity and Subcellular Localization. Molecular and Cellular Biology, 2004, 24, 9059-9069.	2.3	65
22	CD98 induces LFA-1-mediated cell adhesion in lymphoid cells via activation of Rap1. FEBS Letters, 2001, 489, 249-253.	2.8	58
23	Rap1 Signal Controls B Cell Receptor Repertoire and Generation of Self-Reactive B1a Cells. Immunity, 2006, 24, 417-427.	14.3	57
24	Myeloid cells. International Journal of Biochemistry and Cell Biology, 2004, 36, 1374-1379.	2.8	56
25	Medullary thymic epithelial stem cells: role in thymic epithelial cell maintenance and thymic involution. Immunological Reviews, 2016, 271, 38-55.	6.0	51
26	Anti-Tumor Activity and Immunotherapeutic Potential of a Bisphosphonate Prodrug. Scientific Reports, 2017, 7, 5987.	3.3	49
27	Stabilization of iron regulatory protein 2, IRP2, by aluminum. FEBS Letters, 1999, 462, 216-220.	2.8	42
28	Antigen-driven T cell anergy and defective memory T cell response via deregulated Rap1 activation in SPA-1-deficient mice. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 10919-10924.	7.1	42
29	Expansion of human Î³Î´ T cells for adoptive immunotherapy using a bisphosphonate prodrug. Cancer Science, 2018, 109, 587-599.	3.9	40
30	Taurodeoxycholate Increases the Number of Myeloid-Derived Suppressor Cells That Ameliorate Sepsis in Mice. Frontiers in Immunology, 2018, 9, 1984.	4.8	38
31	Enteroendocrine Cells Are Specifically Marked by Cell Surface Expression of Claudin-4 in Mouse Small Intestine. PLoS ONE, 2014, 9, e90638.	2.5	37
32	Physiologic Thymic Involution Underlies Age-Dependent Accumulation of Senescence-Associated CD4+ T Cells. Journal of Immunology, 2017, 199, 138-148.	0.8	37
33	CD153/CD30 signaling promotes age-dependent tertiary lymphoid tissue expansion and kidney injury. Journal of Clinical Investigation, 2022, 132, .	8.2	36
34	Targeting Cancer Cells with a Bisphosphonate Prodrug. ChemMedChem, 2016, 11, 2656-2663.	3.2	35
35	Development of Notch-dependent T-cell leukemia by deregulated Rap1 signaling. Blood, 2008, 111, 2878-2886.	1.4	34
36	SPAâ€1 controls the invasion and metastasis of human prostate cancer. Cancer Science, 2011, 102, 828-836.	3.9	34

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37	Regulation of Immune Responses and Hematopoiesis by the Rap1 Signal. Advances in Immunology, 2007, 93, 229-264.	2.2	33
38	Sipa1 deficiencyâ€“induced bone marrow niche alterations lead to the initiation of myeloproliferative neoplasm. Blood Advances, 2018, 2, 534-548.	5.2	32
39	Frontline Science: IL-18 primes murine NK cells for proliferation by promoting protein synthesis, survival, and autophagy. Journal of Leukocyte Biology, 2018, 104, 253-264.	3.3	31
40	Spaâ€1 (Sipa1) and Rap signaling in leukemia and cancer metastasis. Cancer Science, 2009, 100, 17-23.	3.9	29
41	Analytical performance of a new automated chemiluminescent magnetic immunoassays for soluble PD-1, PD-L1, and CTLA-4 in human plasma. Scientific Reports, 2019, 9, 10144.	3.3	29
42	Osteopontin in Spontaneous Germinal Centers Inhibits Apoptotic Cell Engulfment and Promotes Anti-Nuclear Antibody Production in Lupus-Prone Mice. Journal of Immunology, 2016, 197, 2177-2186.	0.8	27
43	Hassallâ€™s corpuscles with cellular-senescence features maintain IFNÎ± production through neutrophils and pDC activation in the thymus. International Immunology, 2019, 31, 127-139.	4.0	26
44	GABAB receptor promotes its own surface expression by recruiting a Rap1-dependent signaling cascade. Journal of Cell Science, 2015, 128, 2302-2313.	2.0	25
45	Rap G protein signal in normal and disordered lymphohematopoiesis. Experimental Cell Research, 2013, 319, 2323-2328.	2.6	24
46	Microbiota â€" an amplifier of autoimmunity. Current Opinion in Immunology, 2018, 55, 15-21.	5.5	23
47	Role of SPA-1 in Phenotypes of Chronic Myelogenous Leukemia Induced by BCR-ABLâ€“Expressing Hematopoietic Progenitors in a Mouse Model. Cancer Research, 2006, 66, 9967-9976.	0.9	22
48	Mitogen-InducibleSIPA1Is Mapped to the Conserved Syntenic Groups of Chromosome 19 in Mouse and Chromosome 11q13.3 Centromeric toBCL1in Human. Genomics, 1997, 39, 66-73.	2.9	17
49	The potential role of Osteopontin in the maintenance of commensal bacteria homeostasis in the intestine. PLoS ONE, 2017, 12, e0173629.	2.5	16
50	CXCR3^{high} CD8⁺ T cells with naÃ¯ve phenotype and high capacity for IFNâ€Î³ production are generated during homeostatic Tâ€cell proliferation. European Journal of Immunology, 2018, 48, 1663-1678.	2.9	15
51	Essential role of Rap signal in pre-TCRâ€“mediated Î²-selection checkpoint in Î±Î² T-cell development. Blood, 2008, 112, 4565-4573.	1.4	14
52	Selective expression of claudin-5 in thymic endothelial cells regulates the bloodâ€“thymus barrier and T-cell export. International Immunology, 2021, 33, 171-182.	4.0	13
53	Bone Marrow Endothelial Cells Induce Immature and Mature B Cell Egress in Response to Erythropoietin. Cell Structure and Function, 2017, 42, 149-157.	1.1	12
54	SIPA1 enhances SMAD2/3 expression to maintain stem cell features in breast cancer cells. Stem Cell Research, 2020, 49, 102099.	0.7	12

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55	Adult Still's Disease with Sjoegren's Syndrome Successfully Treated with Intravenous Pulse Methylprednisolone and Oral Cyclophosphamide.. Internal Medicine, 1993, 32, 730-732.	0.7	10
56	Involvement of Rap-1 activation and early termination of immune synapse in CTLA-4-mediated negative signal. Hematology, 2009, 14, 150-158.	1.5	10
57	Crucial role of the Rap G protein signal in Notch activation and leukemogenicity of T-cell acute lymphoblastic leukemia. Scientific Reports, 2015, 5, 7978.	3.3	9
58	Activation of CEA-CAM-1-mediated cell adhesion via CD98: involvement of PKCÎ´. FEBS Letters, 2003, 552, 184-188.	2.8	8
59	Rap signaling is crucial for the competence of IL-7 response and the development of B-lineage cells. Blood, 2009, 114, 1768-1775.	1.4	8
60	Increased câ€Myc activity and DNA damage in hematopoietic progenitors precede myeloproliferative disease in Spaâ€1â€deficiency. Cancer Science, 2011, 102, 784-791.	3.9	8
61	Rap1 signal modulators control the maintenance of hematopoietic progenitors in bone marrow and adult longâ€term hematopoiesis. Cancer Science, 2019, 110, 1317-1330.	3.9	8
62	Involvement of 4F2 antigen expressed on the MHC-negative target cells in the recognition of murine CD3+ CD4â^' CD8â^' Î±Î² (VÎ±4/VÎ²2) T cells. International Immunology, 1994, 6, 1323-1331.	4.0	7
63	Sipa1 deficiency unleashes a host-immune mechanism eradicating chronic myelogenous leukemia-initiating cells. Nature Communications, 2018, 9, 914.	12.8	7
64	Thymic Development of a Unique Bone Marrowâ€"Resident Innate-like T Cell Subset with a Potent Innate Immune Function. Journal of Immunology, 2019, 203, 167-177.	0.8	7
65	Pulmonary Hypertension in Systemic Lupus Erythematosus: A Report of an Autopsied Case.. Internal Medicine, 1994, 33, 540-542.	0.7	6
66	Modification of Gene Expression, Proliferation, and Function of OP9 Stroma Cells by Bcr-Abl-Expressing Leukemia Cells. PLoS ONE, 2015, 10, e0134026.	2.5	6
67	Combined effects of neoadjuvant letrozole and zoledronic acid on Î³Î´T cells in postmenopausal women with early-stage breast cancer. Breast, 2018, 38, 114-119.	2.2	5
68	A novel nuclear localization region in SIPA1 determines protein nuclear distribution and epirubicin-sensitivity of breast cancer cells. International Journal of Biological Macromolecules, 2021, 180, 718-728.	7.5	5
69	Innate CD8Î±Î±+ cells promote ILC1-like intraepithelial lymphocyte homeostasis and intestinal inflammation. PLoS ONE, 2019, 14, e0215883.	2.5	4
70	Toward a new stage of PD-1 blockade cancer immunotherapy. International Journal of Clinical Oncology, 2020, 25, 787-789.	2.2	3
71	An improved clonogenic culture method for thymic epithelial cells. Journal of Immunological Methods, 2019, 467, 29-36.	1.4	2
72	Bone Marrow Endothelial Cells Take Up Blood-Borne Immune Complexes via FcÎ³ Receptor IIb2 in an Erythropoietin-Dependent Manner. Journal of Immunology, 2020, 205, 2008-2015.	0.8	2

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73	Rap Signaling in Normal Lymphocyte Development and Leukemia Genesis. Immune Network, 2009, 9, 35.	3.6	0
74	Activation by zoledoronic acidÂand IL-18 of Î³Î´ÂTÂcells from early-stage breast cancer patients in the context of helper NK cells.. Journal of Clinical Oncology, 2012, 30, e21004-e21004.	1.6	0