

Akira Shibuya

List of Publications by Year in descending order

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87
papers

3,762
citations

218677

26
h-index

133252

59
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92
all docs

92
docs citations

92
times ranked

5051
citing authors

#	ARTICLE	IF	CITATIONS
1	DNAM-1, A Novel Adhesion Molecule Involved in the Cytolytic Function of T Lymphocytes. <i>Immunity</i> , 1996, 4, 573-581.	14.3	545
2	Fc γ 1/4 receptor mediates endocytosis of IgM-coated microbes. <i>Nature Immunology</i> , 2000, 1, 441-446.	14.5	346
3	Gut Dysbiosis Promotes M2 Macrophage Polarization and Allergic Airway Inflammation via Fungi-Induced PGE2. <i>Cell Host and Microbe</i> , 2014, 15, 95-102.	11.0	290
4	Accelerated tumor growth in mice deficient in DNAM-1 receptor. <i>Journal of Experimental Medicine</i> , 2008, 205, 2959-2964.	8.5	252
5	Functional characterization of DNAM-1 (CD226) interaction with its ligands PVR (CD155) and nectin-2 (PRR-2/CD112). <i>International Immunology</i> , 2004, 16, 533-538.	4.0	235
6	Costimulatory Molecule DNAM-1 Is Essential for Optimal Differentiation of Memory Natural Killer Cells during Mouse Cytomegalovirus Infection. <i>Immunity</i> , 2014, 40, 225-234.	14.3	148
7	Tumor rejection by the poliovirus receptor family ligands of the DNAM-1 (CD226) receptor. <i>Blood</i> , 2006, 107, 1491-1496.	1.4	129
8	A novel Fc receptor for IgA and IgM is expressed on both hematopoietic and non-hematopoietic tissues. <i>European Journal of Immunology</i> , 2001, 31, 1310-1316.	2.9	102
9	Paired Activating and Inhibitory Immunoglobulin-like Receptors, MAIR-I and MAIR-II, Regulate Mast Cell and Macrophage Activation. <i>Journal of Experimental Medicine</i> , 2003, 198, 223-233.	8.5	96
10	Intestinal Permeability and IgA Provoke Immune Vasculitis Linked to Cardiovascular Inflammation. <i>Immunity</i> , 2019, 51, 508-521.e6.	14.3	96
11	Increased Soluble CD155 in the Serum of Cancer Patients. <i>PLoS ONE</i> , 2016, 11, e0152982.	2.5	83
12	Apoptotic cells suppress mast cell inflammatory responses via the CD300a immunoreceptor. <i>Journal of Experimental Medicine</i> , 2012, 209, 1493-1503.	8.5	81
13	Comparison of Hematopoietic Activities of Human Bone Marrow and Umbilical Cord Blood CD34 Positive and Negative Cells. <i>Stem Cells</i> , 1999, 17, 286-294.	3.2	73
14	Identification of phosphatidylserine as a ligand for the CD300a immunoreceptor. <i>Biochemical and Biophysical Research Communications</i> , 2012, 417, 646-650.	2.1	68
15	Tumor-derived soluble CD155 inhibits DNAM-1-mediated antitumor activity of natural killer cells. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	63
16	Apoptotic epithelial cells control the abundance of Treg cells at barrier surfaces. <i>Nature Immunology</i> , 2016, 17, 441-450.	14.5	60
17	Type 1 Innate Lymphoid Cells Protect Mice from Acute Liver Injury via Interferon- β Secretion for Upregulating Bcl-xL Expression in Hepatocytes. <i>Immunity</i> , 2020, 52, 96-108.e9.	14.3	60
18	Marginal zone B cells exacerbate endotoxic shock via interleukin-6 secretion induced by Fc γ 1/4R-coupled TLR4 signalling. <i>Nature Communications</i> , 2016, 7, 11498.	12.8	49

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19	Molecular and functional characteristics of the Fc γ 1/4R, a novel Fc receptor for IgM and IgA. <i>Seminars in Immunopathology</i> , 2006, 28, 377-382.	4.0	44
20	Glycoprotein nmb Is Exposed on the Surface of Dormant Breast Cancer Cells and Induces Stem Cell-like Properties. <i>Cancer Research</i> , 2018, 78, 6424-6435.	0.9	37
21	Identification and isolation of splenic tissue-resident macrophage sub-populations by flow cytometry. <i>International Immunology</i> , 2019, 31, 51-56.	4.0	37
22	Fc γ 1/4 receptor is a single gene-family member closely related to polymeric immunoglobulin receptor encoded on Chromosome 1. <i>Immunogenetics</i> , 2001, 53, 709-711.	2.4	35
23	Expression of DNAM-1 (CD226) on inflammatory monocytes. <i>Molecular Immunology</i> , 2016, 69, 70-76.	2.2	34
24	IgM-Dependent Phagocytosis in Microglia Is Mediated by Complement Receptor 3, Not Fc γ 1/4 Receptor. <i>Journal of Immunology</i> , 2015, 195, 5309-5317.	0.8	33
25	Dual Assemblies of an Activating Immune Receptor, MAIR-II, with ITAM-Bearing Adapters DAP12 and Fc γ 3 Chain on Peritoneal Macrophages. <i>Journal of Immunology</i> , 2007, 178, 765-770.	0.8	30
26	Serological analysis of BALB/C methylcholanthrene sarcoma Meth A by SEREX: Identification of a cancer/testis antigen. <i>International Journal of Cancer</i> , 2000, 88, 845-851.	5.1	28
27	Involvement of CD300a Phosphatidylserine Immunoreceptor in Aluminum Salt Adjuvant-Induced Th2 Responses. <i>Journal of Immunology</i> , 2015, 194, 5069-5076.	0.8	28
28	DNAM-1 versus TIGIT: competitive roles in tumor immunity and inflammatory responses. <i>International Immunology</i> , 2021, 33, 687-692.	4.0	26
29	PPAR γ activation of CD300a controls intestinal immunity. <i>Scientific Reports</i> , 2014, 4, 5412.	3.3	24
30	DNAM-1 regulates Foxp3 expression in regulatory T cells by interfering with TIGIT under inflammatory conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	24
31	Clec10a regulates mite-induced dermatitis. <i>Science Immunology</i> , 2019, 4, .	11.9	22
32	Requirement of the tyrosines at residues 258 and 270 of MAIR-I in inhibitory effect on degranulation from basophilic leukemia RBL-2H3. <i>International Immunology</i> , 2004, 17, 65-72.	4.0	21
33	Increased CD112 Expression in Methylcholanthrene-Induced Tumors in CD155-Deficient Mice. <i>PLoS ONE</i> , 2014, 9, e112415.	2.5	21
34	Forebrain Ptf1a Is Required for Sexual Differentiation of the Brain. <i>Cell Reports</i> , 2018, 24, 79-94.	6.4	21
35	Killer T-cell induction in patients with blastic natural killer cell lymphoma/leukaemia: implications for successful treatment and possible therapeutic strategies. <i>British Journal of Haematology</i> , 2001, 113, 153-160.	2.5	20
36	Regulation of Immune Responses by the Activating and Inhibitory Myeloid-Associate Immunoglobuline-Like Receptors (MAIR) (CD300). <i>Immune Network</i> , 2009, 9, 41.	3.6	20

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37	Toll-like receptor 4 and MAIR-II/CLM-4/LMIR2 immunoreceptor regulate VLA-4-mediated inflammatory monocyte migration. <i>Nature Communications</i> , 2014, 5, 4710.	12.8	20
38	High expression of soluble CD155 in estrogen receptor-negative breast cancer. <i>Breast Cancer</i> , 2020, 27, 92-99.	2.9	20
39	Mechanism of phosphatidylserine inhibition of IgE/Fc γ RI-dependent anaphylactic human basophil degranulation via CD300a. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 134, 734-737.e3.	2.9	19
40	Elovl6 regulates mechanical damage-induced keratinocyte death and skin inflammation. <i>Cell Death and Disease</i> , 2018, 9, 1181.	6.3	19
41	Selective DNAM-1 expression on small peritoneal macrophages contributes to CD4+ T cell costimulation. <i>Scientific Reports</i> , 2018, 8, 15180.	3.3	19
42	Development and functions of natural killer cells. <i>International Journal of Hematology</i> , 2003, 78, 1-6.	1.6	18
43	CD155 (PVR/Nect5) Mediates a Costimulatory Signal in CD4+ T Cells and Regulates Allergic Inflammation. <i>Journal of Immunology</i> , 2015, 194, 5644-5653.	0.8	18
44	Identification and Characterization of CD300H, a New Member of the Human CD300 Immunoreceptor Family. <i>Journal of Biological Chemistry</i> , 2015, 290, 22298-22308.	3.4	18
45	CD155/CD226 interaction impacts on the generation of innate CD8 ⁺ thymocytes by regulating iNKT cell differentiation. <i>European Journal of Immunology</i> , 2016, 46, 993-1003.	2.9	18
46	Cutting Edge: Identification of Marginal Reticular Cells as Phagocytes of Apoptotic B Cells in Germinal Centers. <i>Journal of Immunology</i> , 2018, 200, 3691-3696.	0.8	18
47	Immune regulation by Fc γ RIII receptor (CD351) on marginal zone B cells and follicular dendritic cells. <i>Immunological Reviews</i> , 2015, 268, 288-295.	6.0	17
48	Type 1 innate lymphoid cells: Soldiers at the front line of immunity. <i>Biomedical Journal</i> , 2021, 44, 115-122.	3.1	17
49	Successful treatment of a patient with adult T-cell leukemia by daily oral administration of low-dose etoposide. Decrease in the amount of HTLV-I proviral DNA revealed by the polymerase chain reaction method. <i>Cancer</i> , 1993, 72, 3614-3617.	4.1	16
50	Soluble DNAM-1, as a Predictive Biomarker for Acute Graft-Versus-Host Disease. <i>PLoS ONE</i> , 2016, 11, e0154173.	2.5	15
51	CD300a blockade enhances efferocytosis by infiltrating myeloid cells and ameliorates neuronal deficit after ischemic stroke. <i>Science Immunology</i> , 2021, 6, eabe7915.	11.9	15
52	Increased cell surface expression of C-terminal truncated erythropoietin receptors in polycythemia. <i>European Journal of Haematology</i> , 2001, 67, 88-93.	2.2	14
53	Tumor-derived extracellular vesicles regulate tumor-infiltrating regulatory T cells via the inhibitory immunoreceptor CD300a. <i>ELife</i> , 2021, 10, .	6.0	14
54	Autonomous regulation of IgE-mediated mast cell degranulation and immediate hypersensitivity reaction by an inhibitory receptor CD300a. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 144, 323-327.e7.	2.9	12

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55	Arf6 exacerbates allergic asthma through cell-to-cell transmission of ASC inflammasomes. <i>JCI Insight</i> , 2021, 6, .	5.0	12
56	Oxymetholone Therapy in Patients with Familial Antithrombin III Deficiency. <i>Thrombosis and Haemostasis</i> , 1988, 60, 495-497.	3.4	11
57	A pro-inflammatory role of FcÎ±/Î¼R on marginal zone B cells in sepsis. <i>International Immunology</i> , 2017, 29, 519-524.	4.0	11
58	Selective suppression of oral allergen-induced anaphylaxis by Allergen-1 on basophils in mice. <i>International Immunology</i> , 2020, 32, 213-219.	4.0	11
59	Physiological function of phospholipase D2 in anti-tumor immunity: regulation of CD8+ T lymphocyte proliferation. <i>Scientific Reports</i> , 2018, 8, 6283.	3.3	10
60	Activation of murine invariant NKT cells promotes susceptibility to candidiasis by ILÎ±10 induced modulation of phagocyte antifungal activity. <i>European Journal of Immunology</i> , 2016, 46, 1691-1703.	2.9	9
61	Expression and function of DNAMÎ±1 on human BÎ±lineage cells. <i>Cytometry Part B - Clinical Cytometry</i> , 2020, 98, 368-374.	1.5	9
62	Hemagglutinating virus of JapanÎ±envelope containing programmed cell deathÎ±ligand 1 siRNA inhibits immunosuppressive activities and elicits antitumor immune responses in glioma. <i>Cancer Science</i> , 2021, 112, 81-90.	3.9	9
63	Improved protocol for the isolation of naÎ±ve follicular dendritic cells. <i>Molecular Immunology</i> , 2016, 78, 140-145.	2.2	8
64	Immunoreceptor CD300a on mast cells and dendritic cells regulates neutrophil recruitment in a murine model of sepsis. <i>International Immunology</i> , 2016, 28, 611-615.	4.0	8
65	Allergen-1 Immunoreceptor Suppresses House Dust MiteÎ±Induced Allergic Airway Inflammation. <i>Journal of Immunology</i> , 2020, 204, 753-762.	0.8	8
66	Tie2 Signaling Enhances Mast Cell Progenitor Adhesion to Vascular Cell Adhesion Molecule-1 (VCAM-1) through Î±4Î±1 Integrin. <i>PLoS ONE</i> , 2015, 10, e0144436.	2.5	8
67	Exploring the Gut Fungi-Lung Allergy Axis. <i>Cell Host and Microbe</i> , 2018, 24, 755-757.	11.0	7
68	Cutting Edge: Involvement of the Immunoreceptor CD300c2 on Alveolar Macrophages in Bleomycin-Induced Lung Fibrosis. <i>Journal of Immunology</i> , 2019, 203, 3107-3111.	0.8	7
69	MAIRÎ±II deficiency ameliorates cardiac remodelling postÎ±myocardial infarction by suppressing TLR9Î±mediated macrophage activation. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 14481-14490.	3.6	7
70	Sufficiency for inducible Caspase-9 safety switch in human pluripotent stem cells and disease cells. <i>Gene Therapy</i> , 2020, 27, 525-534.	4.5	6
71	ILC1: guardians of the oral mucosa against enemy viruses. <i>Immunity</i> , 2021, 54, 196-198.	14.3	6
72	Increased serum IgA in FcÎ±/Î¼R-deficient mice on the (129 x C57BL/6) F1 genetic background. <i>Molecular Immunology</i> , 2015, 63, 367-372.	2.2	5

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73	Development and Characterization of Novel Monoclonal Antibodies Against Human DNAM-1. <i>Monoclonal Antibodies in Immunodiagnosis and Immunotherapy</i> , 2017, 36, 135-139.	1.6	5
74	Successful treatment of acute megakaryoblastic leukaemia. <i>Scandinavian Journal of Haematology</i> , 1986, 36, 147-153.	0.0	3
75	Early reactivation of clustered genes on the inactive X chromosome during somatic cell reprogramming. <i>Stem Cell Reports</i> , 2022, 17, 53-67.	4.8	3
76	Influence of MILR1 promoter polymorphism on expression levels and the phenotype of atopy. <i>Journal of Human Genetics</i> , 2014, 59, 480-483.	2.3	2
77	TX99 Is a Neutralizing Monoclonal Antibody Against Mouse TIGIT. <i>Monoclonal Antibodies in Immunodiagnosis and Immunotherapy</i> , 2018, 37, 105-109.	1.6	2
78	A mathematical model for dynamics of soluble form of DNAM-1 as a biomarker for graft-versus-host disease. <i>PLoS ONE</i> , 2020, 15, e0228508.	2.5	2
79	Long-term survival of the mouse ES cell-derived mast cell, MEDMC-BRC6, in mast cell-deficient <i>Kit^{W-sh/W-sh}</i> mice. <i>International Immunology</i> , 2017, 29, 235-242.	4.0	1
80	Allergy inhibitory receptor $\alpha 4$ inhibits autoantibody production via upregulation of apoptotic debris clearance by macrophages. <i>International Journal of Rheumatic Diseases</i> , 2018, 21, 2071-2078.	1.9	1
81	Suppression of Th1 and Th17 Proinflammatory Cytokines and Upregulation of FOXP3 Expression by a Humanized Anti-DNAM-1 Monoclonal Antibody. <i>Monoclonal Antibodies in Immunodiagnosis and Immunotherapy</i> , 2021, 40, 52-59.	1.6	1
82	A method for gene transfer, single isolation and in vitro assay for neural stem cells. <i>Ensho Saisei</i> , 2005, 25, 50-54.	0.2	1
83	Involvement of pentraxin-3 in anti-neutrophil cytoplasmic antibody production induced by aluminum salt adjuvant. <i>Clinical and Experimental Rheumatology</i> , 2017, 35, 735-738.	0.8	1
84	Selective expression of a C-type lectin receptor, Clec12b, on skin mast cells. <i>Biochemical and Biophysical Research Communications</i> , 2021, 561, 101-105.	2.1	0
85	An inhibitory immunoreceptor, Allergin-1, suppresses FITC-induced type 2 contact hypersensitivity. <i>Biochemical and Biophysical Research Communications</i> , 2021, 579, 146-152.	2.1	0
86	DNAM-1 promotes inflammation-driven tumor development via enhancing IFN- γ production. <i>International Immunology</i> , 2021, , .	4.0	0
87	IM-6 HVJ-E containing PD-L1 siRNA inhibits immunosuppressive activities and elicits antitumor immune responses in glioma. <i>Neuro-Oncology Advances</i> , 2021, 3, vi7-vi8.	0.7	0