Toshiyuki Takai

List of Publications by Year
in descending order

61	4,364	185998 28	123241 61
papers	citations	h-index	g-index

66	66	66	4996
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Augmented humoral and anaphylactic responses in FcÎ³RII-deficient mice. Nature, 1996, 379, 346-349.	13.7	806
2	Roles of Fc receptors in autoimmunity. Nature Reviews Immunology, 2002, 2, 580-592.	10.6	544
3	Osteopetrosis and thalamic hypomyelinosis with synaptic degeneration in DAP12-deficient mice. Journal of Clinical Investigation, 2003, 111, 323-332.	3.9	292
4	Macrophage colony-stimulating factor induces the proliferation and survival of macrophages via a pathway involving DAP12 and Î²-catenin. Nature Immunology, 2009, 10, 734-743.	7.0	271
5	Fc Receptors and Their Role in Immune Regulation and Autoimmunity. Journal of Clinical Immunology, 2005, 25, 1-18.	2.0	197
6	FcÎ³ Receptor IibâEUR"Deficient Mice Develop Goodpasture's Syndrome upon Immunization with Type IV Collagen. Journal of Experimental Medicine, 2000, 191, 899-906.	4.2	196
7	Modulation of Immunoglobulin (Ig)E-mediated Systemic Anaphylaxis by Low-Affinity Fc Receptors for IgG. Journal of Experimental Medicine, 1999, 189, 1573-1579.	4.2	169
8	Paired immunoglobulin-like receptors and their MHC class I recognition. Immunology, 2005, 115, 433-440.	2.0	161
9	Exacerbated graft-versus-host disease in Pirbâ^'/â^' mice. Nature Immunology, 2004, 5, 623-629.	7.0	117
10	Immune complexes regulate bone metabolism through FcRÎ³ signalling. Nature Communications, 2015, 6, 6637.	5.8	110
11	Astrocytic phagocytosis is a compensatory mechanism for microglial dysfunction. EMBO Journal, 2020, 39, e104464.	3.5	105
12	TREM2/DAP12 Signal Elicits Proinflammatory Response in Microglia and Exacerbates Neuropathic Pain. Journal of Neuroscience, 2016, 36, 11138-11150.	1.7	101
13	An ITAM-Syk-CARD9 signalling axis triggers contact hypersensitivity by stimulating IL-1 production in dendritic cells. Nature Communications, 2014, 5, 3755.	5.8	82
14	DAP12 (KARAP) amplifies inflammation and increases mortality from endotoxemia and septic peritonitis. Journal of Experimental Medicine, 2005, 202, 363-369.	4.2	78
15	Activating and inhibitory nature of the murine paired immunoglobulin-like receptor family. Immunological Reviews, 2001, 181, 215-222.	2.8	76
16	Targeting cell surface TLR7 for therapeutic intervention in autoimmune diseases. Nature Communications, 2015, 6, 6119.	5.8	71
17	Mouse FcÎ³RII is a negative regulator of FcÎ³RIII in IgG immune complex-triggered inflammation but not in autoantibody-induced hemolysis. European Journal of Immunology, 2000, 30, 481-490.	1.6	69
18	Paired Immunoglobulin-like Receptor B Knockout Does Not Enhance Axonal Regeneration or Locomotor Recovery after Spinal Cord Injury. Journal of Biological Chemistry, 2011, 286, 1876-1883.	1.6	61

#	Article	IF	Citations
19	Genetic Deletion of Paired Immunoglobulin-Like Receptor B Does Not Promote Axonal Plasticity or Functional Recovery after Traumatic Brain Injury. Journal of Neuroscience, 2010, 30, 13045-13052.	1.7	56
20	Functional Analysis of Activating Receptor LMIR4 as a Counterpart of Inhibitory Receptor LMIR3. Journal of Biological Chemistry, 2007, 282, 17997-18008.	1.6	52
21	TREM-1 regulates macrophage polarization in ureteral obstruction. Kidney International, 2014, 86, 1174-1186.	2.6	50
22	Regulation of cytotoxic T lymphocyte triggering by PIR-B on dendritic cells. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 14515-14520.	3.3	47
23	A Novel Recognition System for MHC Class I Molecules Constituted by PIR. Advances in Immunology, 2005, 88, 161-192.	1.1	46
24	Human CD43+ B cells are closely related not only to memory B cells phenotypically but also to plasmablasts developmentally in healthy individuals. International Immunology, 2015, 27, 345-355.	1.8	45
25	Prostaglandin E2 as a selective stimulator of antigen-specific IgE response in murine lymphocytes. European Journal of Immunology, 1990, 20, 2499-2503.	1.6	44
26	Advax, a Delta Inulin Microparticle, Potentiates In-built Adjuvant Property of Co-administered Vaccines. EBioMedicine, 2017, 15, 127-136.	2.7	39
27	A DAP12â€Dependent signal promotes proâ€inflammatory polarization in microglia following nerve injury and exacerbates degeneration of injured neurons. Glia, 2015, 63, 1073-1082.	2.5	35
28	A Histone Methyltransferase ESET Is Critical for T Cell Development. Journal of Immunology, 2016, 197, 2269-2279.	0.4	33
29	Differential but Competitive Binding of Nogo Protein and Class I Major Histocompatibility Complex (MHCI) to the PIR-B Ectodomain Provides an Inhibition of Cells. Journal of Biological Chemistry, 2011, 286, 25739-25747.	1.6	31
30	Multiple Loss of Effector Cell Functions in FcRÎ³-Deficient Mice. International Reviews of Immunology, 1996, 13, 369-381.	1.5	27
31	Role of PIR-B in Autoimmune Glomerulonephritis. Journal of Biomedicine and Biotechnology, 2011, 2011, 1-9.	3.0	26
32	Role of TREM1-DAP12 in Renal Inflammation during Obstructive Nephropathy. PLoS ONE, 2013, 8, e82498.	1.1	23
33	Tolerogenic immunoreceptor ILT3/LILRB4 paradoxically marks pathogenic auto-antibody-producing plasmablasts and plasma cells in non-treated SLE. International Immunology, 2016, 28, 597-604.	1.8	22
34	gp49B-Mediated Negative Regulation of Antibody Production by Memory and Marginal Zone B Cells. Journal of Immunology, 2014, 193, 635-644.	0.4	20
35	TLR signals posttranscriptionally regulate the cytokine trafficking mediator sortilin. Scientific Reports, 2016, 6, 26566.	1.6	20
36	LILRB4 promotes tumor metastasis by regulating MDSCs and inhibiting miR-1 family miRNAs. OncoImmunology, 2022, 11, 2060907.	2.1	20

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37	Platelets convert peripheral blood circulating monocytes to regulatory cells via immunoglobulin G and activating-type FcÎ³ receptors. BMC Immunology, 2015, 16, 20.	0.9	16
38	The immunosuppressive effect of domain-deleted dimer of HLA-G2 isoform in collagen-induced arthritis mice. Human Immunology, 2016, 77, 754-759.	1.2	16
39	CTLA4-Ig Directly Inhibits Osteoclastogenesis by Interfering With Intracellular Calcium Oscillations in Bone Marrow Macrophages. Journal of Bone and Mineral Research, 2019, 34, 1744-1752.	3.1	16
40	Blockade of checkpoint ILT3/LILRB4/gp49B binding to fibronectin ameliorates autoimmune disease in BXSB/Yaa mice. International Immunology, 2021, 33, 447-458.	1.8	16
41	Endoplasmic Protein Nogo-B (RTN4-B) Interacts with GRAMD4 and Regulates TLR9-Mediated Innate Immune Responses. Journal of Immunology, 2015, 194, 5426-5436.	0.4	15
42	The CD300e molecule in mice is an immune-activating receptor. Journal of Biological Chemistry, 2018, 293, 3793-3805.	1.6	14
43	Mice Deficient in Angiopoietin-like Protein 2 (Angptl2) Gene Show Increased Susceptibility to Bacterial Infection Due to Attenuated Macrophage Activity. Journal of Biological Chemistry, 2016, 291, 18843-18852.	1.6	12
44	Gp49B is a pathogenic marker for auto-antibody-producing plasma cells in lupus-prone BXSB/Yaamice. International Immunology, 2019, 31, 397-406.	1.8	12
45	Bone marrow PDGFRÎ±+Sca-1+-enriched mesenchymal stem cells support survival of and antibody production by plasma cells in vitro through IL-6. International Immunology, 2018, 30, 241-253.	1.8	11
46	Identification of Secretory Leukoprotease Inhibitor As an Endogenous Negative Regulator in Allergic Effector Cells. Frontiers in Immunology, 2017, 8, 1538.	2.2	10
47	Dual functions of angiopoietin-like protein 2 signaling in tumor progression and anti-tumor immunity. Genes and Development, 2019, 33, 1641-1656.	2.7	9
48	Augmented ILT3/LILRB4 Expression of Peripheral Blood Antibody Secreting Cells in the Acute Phase of Kawasaki Disease. Pediatric Infectious Disease Journal, 2019, 38, 431-438.	1.1	9
49	Fc receptors: their diverse functions in immunity and immune disorders. Seminars in Immunopathology, 2006, 28, 303-304.	4.0	8
50	Nogo receptor antagonist LOTUS exerts suppression on axonal growthâ€inhibiting receptor PIRâ€B. Journal of Neurochemistry, 2020, 155, 285-299.	2.1	8
51	Fc Receptors as Potential Targets for the Treatment of Allergy, Autoimmune Disease and Cancer. Current Drug Targets Immune, Endocrine and Metabolic Disorders, 2003, 3, 187-197.	1.8	7
52	Myeloid immune checkpoint ILT3/LILRB4/gp49B can co-tether fibronectin with integrin on macrophages. International Immunology, 2022, 34, 435-444.	1.8	7
53	Dichotomy in FcÎ³RIIB deficiency and autoimmune-prone SLAM haplotype clarifies the roles of the Fc receptor in development of autoantibodies and glomerulonephritis. BMC Immunology, 2014, 15, 47.	0.9	6
54	Leukocyte mono-immunoglobulin-like receptor 8 (LMIR8)/CLM-6 is an FcRÎ³-coupled receptor selectively expressed in mouse tissue plasmacytoid dendritic cells. Scientific Reports, 2018, 8, 8259.	1.6	6

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55	Upregulation of leukocyte immunoglobulin-like receptor B4 on interstitial macrophages in COPD; their possible protective role against emphysema formation. Respiratory Research, 2021, 22, 232.	1.4	6
56	PirB regulates asymmetries in hippocampal circuitry. PLoS ONE, 2017, 12, e0179377.	1.1	5
57	Co-localization of Fibronectin Receptors LILRB4/gp49B and Integrin on Dendritic Cell Surface. Tohoku Journal of Experimental Medicine, 2022, 257, 171-180.	0.5	4
58	Abl family tyrosine kinases govern IgG extravasation in the skin in a murine pemphigus model. Nature Communications, 2019, 10, 4432.	5.8	3
59	Mouse FcÎ³RII is a negative regulator of FcÎ³RIII in IgG immune complex-triggered inflammation but not in autoantibody-induced hemolysis. , 2000, 30, 481.		1
60	Mouse FcÎ³RII is a negative regulator of FcÎ³RIII in IgG immune complex-triggered inflammation but not in autoantibody-induced hemolysis. European Journal of Immunology, 2000, 30, 481-490.	1.6	1
61	The study of allergy by Japanese researchers: a historical perspective. International Immunology, 2009, 21, 1311-1316.	1.8	0