

Masanori Kasahara

List of Publications by Year in descending order

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107
papers

7,079
citations

94433

37
h-index

60623

81
g-index

113
all docs

113
docs citations

113
times ranked

8104
citing authors

#	ARTICLE	IF	CITATIONS
1	Expression of cathepsins B, D and K in thymic epithelial tumours. <i>Journal of Clinical Pathology</i> , 2021, 74, 84-90.	2.0	6
2	Expression of the immunoproteasome subunit $\beta 2i$ in non-small cell lung carcinomas. <i>Journal of Clinical Pathology</i> , 2021, 74, 300-306.	2.0	6
3	The immune system of jawless vertebrates: insights into the prototype of the adaptive immune system. <i>Immunogenetics</i> , 2021, 73, 5-16.	2.4	10
4	Decreased Proteasomal Function Induces Neuronal Loss and Memory Impairment. <i>American Journal of Pathology</i> , 2021, 191, 144-156.	3.8	12
5	Role of immunoproteasomes and thymoproteasomes in health and disease. <i>Pathology International</i> , 2021, 71, 371-382.	1.3	7
6	Inferring the "œPrimordial Immune Complex" Origins of MHC Class I and Antigen Receptors Revealed by Comparative Genomics. <i>Journal of Immunology</i> , 2019, 203, 1882-1896.	0.8	24
7	Origin and evolution of the specialized forms of proteasomes involved in antigen presentation. <i>Immunogenetics</i> , 2019, 71, 251-261.	2.4	23
8	Anti-oxidative Amino Acid L-ergothioneine Modulates the Tumor Microenvironment to Facilitate Adjuvant Vaccine Immunotherapy. <i>Frontiers in Immunology</i> , 2019, 10, 671.	4.8	13
9	Biology, evolution, and history of antigen processing and presentation: Immunogenetics special issue 2019. <i>Immunogenetics</i> , 2019, 71, 137-139.	2.4	3
10	Restricted Expression of the Thymoproteasome Is Required for Thymic Selection and Peripheral Homeostasis of CD8+ T Cells. <i>Cell Reports</i> , 2019, 26, 639-651.e2.	6.4	21
11	Toll-like receptor 3 signal augments radiation-induced tumor growth retardation in a murine model. <i>Cancer Science</i> , 2018, 109, 956-965.	3.9	26
12	Visualising the dynamics of live pancreatic microtumours self-organised through cell-in-cell invasion. <i>Scientific Reports</i> , 2018, 8, 14054.	3.3	7
13	Structure of MHC class I-like MILL2 reveals heparan-sulfate binding and interdomain flexibility. <i>Nature Communications</i> , 2018, 9, 4330.	12.8	3
14	Origin and Evolution of Dendritic Epidermal T Cells. <i>Frontiers in Immunology</i> , 2018, 9, 1059.	4.8	30
15	The immunoproteasome and thymoproteasome: functions, evolution and human disease. <i>Nature Immunology</i> , 2018, 19, 923-931.	14.5	233
16	Anchorage-dependent multicellular aggregate formation induces a quiescent stem-like intractable phenotype in pancreatic cancer cells. <i>Oncotarget</i> , 2018, 9, 29845-29856.	1.8	3
17	Expression of cathepsins V and S in thymic epithelial tumors. <i>Human Pathology</i> , 2017, 60, 66-74.	2.0	18
18	The TLR3/TICAM-1 signal constitutively controls spontaneous polyposis through suppression of c-Myc in Apc Min/+ mice. <i>Journal of Biomedical Science</i> , 2017, 24, 79.	7.0	2

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19	A human PSMB11 variant affects thymoproteasome processing and CD8+ T cell production. JCI Insight, 2017, 2, .	5.0	6
20	The Anti-Oxidant Ergothioneine Augments the Immunomodulatory Function of TLR Agonists by Direct Action on Macrophages. PLoS ONE, 2017, 12, e0169360.	2.5	21
21	Lymphocyte Populations in Jawless Vertebrates: Insights Into the Origin and Evolution of Adaptive Immunity. , 2016, , 51-67.		4
22	Double-stranded RNA analog and type I interferon regulate expression of Trem paired receptors in murine myeloid cells. BMC Immunology, 2016, 17, 9.	2.2	4
23	The Immune System of Agnathans (Jawless Vertebrates). , 2016, , 468-473.		2
24	Decreased expression of thymus-specific proteasome subunit $\beta 5t$ in Down syndrome patients. Histopathology, 2015, 67, 235-244.	2.9	5
25	Comparative genomics of the NKG2D ligand gene family. Immunological Reviews, 2015, 267, 72-87.	6.0	15
26	The SKINT1-Like Gene Is Inactivated in Hominoids But Not in All Primate Species: Implications for the Origin of Dendritic Epidermal T Cells. PLoS ONE, 2015, 10, e0123258.	2.5	12
27	Decreased proteasomal function accelerates cigarette smoke-induced pulmonary emphysema in mice. Laboratory Investigation, 2015, 95, 625-634.	3.7	26
28	Anchorage-dependent multicellular aggregate formation induces CD44 high cancer stem cell-like ATL cells in an NF- κ B- and vimentin-dependent manner. Cancer Letters, 2015, 357, 355-363.	7.2	22
29	Immunohistochemical Validation and Expression Profiling of NKG2D Ligands in a Wide Spectrum of Human Epithelial Neoplasms. Journal of Histochemistry and Cytochemistry, 2015, 63, 217-227.	2.5	9
30	Pancreatic cancer cells express CD44 variant 9 and multidrug resistance protein 1 during mitosis. Experimental and Molecular Pathology, 2015, 98, 41-46.	2.1	26
31	Establishment of a vascular endothelial cell-reactive type II NKT cell clone from a rat model of autoimmune vasculitis. International Immunology, 2015, 27, 105-114.	4.0	9
32	Variable Lymphocyte Receptors: A Current Overview. Results and Problems in Cell Differentiation, 2015, 57, 175-192.	0.7	6
33	Decreased Proteasomal Activity Causes Photoreceptor Degeneration in Mice. , 2014, 55, 4682.		18
34	NKG2D Triggers Cytotoxicity in Murine Epidermal $\beta 17$ T Cells via PI3K-Dependent, Syk/ZAP70-Independent Signaling Pathway. Journal of Investigative Dermatology, 2014, 134, 396-404.	0.7	36
35	Venkatesh et al. reply. Nature, 2014, 511, E9-E10.	27.8	10
36	Two Forms of Adaptive Immunity in Vertebrates. Advances in Immunology, 2014, 122, 59-90.	2.2	40

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37	Corticomedullary differentiation and maturational arrest in thymomas. <i>Histopathology</i> , 2014, 64, 557-566.	2.9	43
38	Expression of thymoproteasome subunit $\beta 5t$ in type AB thymoma. <i>Journal of Clinical Pathology</i> , 2014, 67, 276-278.	2.0	12
39	Elephant shark genome provides unique insights into gnathostome evolution. <i>Nature</i> , 2014, 505, 174-179.	27.8	689
40	MICA/B expression in macrophage foam cells infiltrating atherosclerotic plaques. <i>Experimental and Molecular Pathology</i> , 2014, 97, 171-175.	2.1	18
41	Copy number and sequence variation of leucine-rich repeat modules suggests distinct functional constraints operating on variable lymphocyte receptors expressed by agnathan T cell-like and B cell-like lymphocytes. <i>Immunogenetics</i> , 2014, 66, 403-409.	2.4	6
42	Crystal Structure of the Lamprey Variable Lymphocyte Receptor C Reveals an Unusual Feature in Its N-Terminal Capping Module. <i>PLoS ONE</i> , 2014, 9, e85875.	2.5	18
43	Thymoproteasome: Role in Thymic Selection and Clinical Significance as a Diagnostic Marker for Thymic Epithelial Tumors. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2013, 61, 357-365.	2.3	9
44	Impact of whole-genome duplication on vertebrate development and evolution. <i>Seminars in Cell and Developmental Biology</i> , 2013, 24, 81-82.	5.0	9
45	Protective Roles of Epithelial Cells in the Survival of Adult T-Cell Leukemia/Lymphoma Cells. <i>American Journal of Pathology</i> , 2013, 182, 1832-1842.	3.8	24
46	Overexpression of TNF- α -converting enzyme in fibroblasts augments dermal fibrosis after inflammation. <i>Laboratory Investigation</i> , 2013, 93, 72-80.	3.7	18
47	<i>CD300c</i> : the identity of a third lineage of lymphocytes in lampreys. <i>Immunology and Cell Biology</i> , 2013, 91, 599-600.	2.3	5
48	Involvement of an NKG2D Ligand H60c in Epidermal Dendritic T Cell-Mediated Wound Repair. <i>Journal of Immunology</i> , 2012, 188, 3972-3979.	0.8	43
49	Abnormal conformation and impaired degradation of propylthiouracil-induced neutrophil extracellular traps: Implications of disordered neutrophil extracellular traps in a rat model of myeloperoxidase antineutrophil cytoplasmic antibody-associated vasculitis. <i>Arthritis and Rheumatism</i> , 2012, 64, 3779-3787.	6.7	181
50	Immunogenetics of the NKG2D ligand gene family. <i>Immunogenetics</i> , 2012, 64, 855-867.	2.4	33
51	Decreased Proteasomal Activity Causes Age-Related Phenotypes and Promotes the Development of Metabolic Abnormalities. <i>American Journal of Pathology</i> , 2012, 180, 963-972.	3.8	158
52	Proteasome subunit $\beta 5t$ expression in cervical ectopic thymoma. <i>Journal of Clinical Pathology</i> , 2012, 65, 858-859.	2.0	7
53	VLR-Based Adaptive Immunity. <i>Annual Review of Immunology</i> , 2012, 30, 203-220.	21.8	217
54	Comparative genomic analysis of the proteasome $\beta 5t$ subunit gene: implications for the origin and evolution of thymoproteasomes. <i>Immunogenetics</i> , 2012, 64, 49-58.	2.4	26

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55	Decrease of Peripheral and Intestinal NKG2A-Positive T Cells in Patients with Ulcerative Colitis. PLoS ONE, 2012, 7, e44113.	2.5	2
56	Agnathan VIP, PACAP and Their Receptors: Ancestral Origins of Today's Highly Diversified Forms. PLoS ONE, 2012, 7, e44691.	2.5	28
57	Mechanism of Fc γ 3 Receptor-Mediated Trogocytosis-Based False-Positive Results in Flow Cytometry. PLoS ONE, 2012, 7, e52918.	2.5	8
58	Expression of Proteasome Subunit β 5t in Thymic Epithelial Tumors. American Journal of Surgical Pathology, 2011, 35, 1296-1304.	3.7	32
59	Plasma-independent, antibody- and Fc γ 3 receptor-mediated translocation of CD8 molecules from T cells to monocytes. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2011, 79A, 46-56.	1.5	15
60	Comparative genomic analysis of mammalian NKG2D ligand family genes provides insights into their origin and evolution. Immunogenetics, 2010, 62, 441-450.	2.4	20
61	Origin and evolution of the adaptive immune system: genetic events and selective pressures. Nature Reviews Genetics, 2010, 11, 47-59.	16.3	753
62	Genome Duplication and T Cell Immunity. Progress in Molecular Biology and Translational Science, 2010, 92, 7-36.	1.7	11
63	Identification of a third variable lymphocyte receptor in the lamprey. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 14304-14308.	7.1	100
64	A Novel Type of E3 Ligase for the Ufm1 Conjugation System. Journal of Biological Chemistry, 2010, 285, 5417-5427.	3.4	176
65	Questions Arising from "The Origin and Role of MHC Class I-Associated Self-Peptides". Progress in Molecular Biology and Translational Science, 2010, 92, 61.	1.7	0
66	Phylogenetic and expression analysis of lamprey toll-like receptors. Developmental and Comparative Immunology, 2010, 34, 855-865.	2.3	84
67	Human Endogenous Retrovirus-R Env Glycoprotein as Possible Autoantigen in Autoimmune Disease. AIDS Research and Human Retroviruses, 2009, 25, 889-896.	1.1	9
68	Exclusive expression of proteasome subunit β 5t in the human thymic cortex. Blood, 2009, 113, 5186-5191.	1.4	63
69	Crystal structure of a chaperone complex that contributes to the assembly of yeast 20S proteasomes. Nature Structural and Molecular Biology, 2008, 15, 228-236.	8.2	101
70	Two Types of Antigen Receptor Systems in Vertebrates. Zoological Science, 2008, 25, 969-975.	0.7	12
71	Rat CD4+CD8+Macrophages Kill Tumor Cells through an NKG2D- and Granzyme/Perforin-Dependent Mechanism. Journal of Immunology, 2008, 180, 2999-3006.	0.8	22
72	The amphioxus genome illuminates vertebrate origins and cephalochordate biology. Genome Research, 2008, 18, 1100-1111.	5.5	456

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73	Two Novel NKG2D Ligands of the Mouse H60 Family with Differential Expression Patterns and Binding Affinities to NKG2D. <i>Journal of Immunology</i> , 2008, 180, 1678-1685.	0.8	83
74	Structural Diversity of the Hagfish Variable Lymphocyte Receptors. <i>Journal of Biological Chemistry</i> , 2007, 282, 6726-6732.	3.4	104
75	Evidence for the Involvement of Testicular Protein CRISP2 in Mouse Sperm-Egg Fusion1. <i>Biology of Reproduction</i> , 2007, 76, 701-708.	2.7	86
76	A Degenerate ParaHox Gene Cluster in a Degenerate Vertebrate. <i>Molecular Biology and Evolution</i> , 2007, 24, 2681-2686.	8.9	34
77	The 2R hypothesis: an update. <i>Current Opinion in Immunology</i> , 2007, 19, 547-552.	5.5	243
78	Enhanced production of p24 Gag protein in HIV-1-infected rat cells fused with uninfected human cells. <i>Experimental and Molecular Pathology</i> , 2007, 83, 125-130.	2.1	2
79	Two variable lymphocyte receptor genes of the inshore hagfish are located far apart on the same chromosome. <i>Immunogenetics</i> , 2007, 59, 329-331.	2.4	31
80	Role of Neuronal Interferon- β in the Development of Myelopathy in Rats Infected with Human T-Cell Leukemia Virus Type 1. <i>American Journal of Pathology</i> , 2006, 169, 189-199.	3.8	20
81	Cooperation of Multiple Chaperones Required for the Assembly of Mammalian 20S Proteasomes. <i>Molecular Cell</i> , 2006, 24, 977-984.	9.7	124
82	CD4+/CD8+ macrophages infiltrating at inflammatory sites: a population of monocytes/macrophages with a cytotoxic phenotype. <i>Blood</i> , 2006, 107, 2004-2012.	1.4	53
83	Variable domains in hagfish: NICIR is a polymorphic multigene family expressed preferentially in leukocytes and is related to lamprey TCR-like. <i>Immunogenetics</i> , 2006, 58, 216-225.	2.4	33
84	MHC Class I-Like MILL Molecules Are β 2-Microglobulin-Associated, GPI-Anchored Glycoproteins That Do Not Require TAP for Cell Surface Expression. <i>Journal of Immunology</i> , 2006, 177, 3108-3115.	0.8	15
85	Chicken CD1 genes are located in the MHC: CD1 and endothelial protein C receptor genes constitute a distinct subfamily of class-I-like genes that predates the emergence of mammals. <i>Immunogenetics</i> , 2005, 57, 590-600.	2.4	35
86	Hagfish Leukocytes Express a Paired Receptor Family with a Variable Domain Resembling Those of Antigen Receptors. <i>Journal of Immunology</i> , 2005, 174, 2885-2891.	0.8	43
87	Variable lymphocyte receptors in hagfish. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 9224-9229.	7.1	200
88	New Insights into the Genomic Organization and Origin of the Major Histocompatibility Complex: Role of Chromosomal (genome) Duplication in the Emergence of the Adaptive Immune System. <i>Hereditas</i> , 2004, 127, 59-65.	1.4	51
89	Identification of the rat IgA Fc receptor encoded in the leukocyte receptor complex. <i>Immunogenetics</i> , 2004, 55, 712-716.	2.4	49
90	Natural killer cell receptors in the horse: evidence for the existence of multiple transcribedLY49genes. <i>European Journal of Immunology</i> , 2004, 34, 773-784.	2.9	57

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91	Comparative genomics of the MHC class I gene family. <i>European Journal of Immunology</i> , 2004, 34, 1597-1607.	2.9	19
92	Transcriptome analysis of hagfish leukocytes: a framework for understanding the immune system of jawless fishes. <i>Developmental and Comparative Immunology</i> , 2004, 28, 993-1003.	2.3	69
93	On the origins of the adaptive immune system: novel insights from invertebrates and cold-blooded vertebrates. <i>Trends in Immunology</i> , 2004, 25, 105-111.	6.8	125
94	Construction of a bacterial artificial chromosome library from the inshore hagfish, <i>Eptatretus burgeri</i> : A resource for the analysis of the agnathan genome. <i>Genes and Genetic Systems</i> , 2004, 79, 251-253.	0.7	7
95	Identification of the mouse killer immunoglobulin-like receptor-like (Kirl) gene family mapping to Chromosome X. <i>Immunogenetics</i> , 2003, 54, 782-790.	2.4	57
96	Genomic analysis of immunity in a Urochordate and the emergence of the vertebrate immune system: "waiting for Godot". <i>Immunogenetics</i> , 2003, 55, 570-581.	2.4	278
97	A family of MHC class I-like genes located in the vicinity of the mouse leukocyte receptor complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 13687-13692.	7.1	41
98	<i>Xenopus</i> class II A genes: studies of genetics, polymorphism, and expression. <i>Developmental and Comparative Immunology</i> , 2002, 26, 735-750.	2.3	28
99	The leukocyte common antigen (CD45) of the Pacific hagfish, <i>Eptatretus stoutii</i> : implications for the primordial function of CD45. <i>Immunogenetics</i> , 2002, 54, 286-291.	2.4	37
100	Comparative Genomics of the MHC. <i>Immunity</i> , 2001, 15, 351-362.	14.3	335
101	Nucleotide sequence analysis of the 1.435-kb segment containing interferon- γ -inducible mouse proteasome activator genes. <i>Immunogenetics</i> , 2001, 53, 119-129.	2.4	13
102	Evidence That Human Epididymal Protein ARP Plays a Role in Gamete Fusion Through Complementary Sites on the Surface of the Human Egg1. <i>Biology of Reproduction</i> , 2001, 65, 1000-1005.	2.7	91
103	The chromosomal duplication model of the major histocompatibility complex. <i>Immunological Reviews</i> , 1999, 167, 17-32.	6.0	107
104	The MHC class I ligand-generating system: roles of immunoproteasomes and the interferon- γ -inducible proteasome activator PA28. <i>Immunological Reviews</i> , 1998, 163, 161-176.	6.0	294
105	The evolutionary origin of the major histocompatibility complex: Polymorphism of class II α chain genes in the cartilaginous fish. <i>European Journal of Immunology</i> , 1993, 23, 2160-2165.	2.9	65
106	The mouse male germ cell-specific gene <i>Tpx-1</i> : molecular structure, mode of expression in spermatogenesis, and sequence similarity to two non-mammalian genes. <i>Mammalian Genome</i> , 1992, 3, 274-280.	2.2	74
107	Evolution of the Class II Major Histocompatibility Complex Alleles in Higher Primates. <i>Immunological Reviews</i> , 1990, 113, 65-82.	6.0	47