Petter HÃ¶glund

List of Publications by Year
in descending order

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102	4,991	159525	91828
papers	citations	30 h-index	69 g-index

105	105	105	4741
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Empty MHC class I molecules come out in the cold. Nature, 1990, 346, 476-480.	13.7	905
2	Initiation of Autoimmune Diabetes by Developmentally Regulated Presentation of Islet Cell Antigens in the Pancreatic Lymph Nodes. Journal of Experimental Medicine, 1999, 189, 331-339.	4.2	366
3	NCRs and DNAM-1 mediate NK cell recognition and lysis of human and mouse melanoma cell lines in vitro and in vivo. Journal of Clinical Investigation, 2009, 119, 1251-1263.	3.9	313
4	Recognition of beta 2-microglobulin-negative (beta 2m-) T-cell blasts by natural killer cells from normal but not from beta 2m- mice: nonresponsiveness controlled by beta 2m- bone marrow in chimeric mice.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 10332-10336.	3.3	239
5	NK cell education: not an on-off switch but a tunable rheostat. Trends in Immunology, 2009, 30, 143-149.	2.9	218
6	The strength of inhibitory input during education quantitatively tunes the functional responsiveness of individual natural killer cells. Blood, 2009, 113, 2434-2441.	0.6	218
7	Prevention of allogeneic bone marrow graft rejection by H-2 transgene in donor mice. Science, 1989, 246, 666-668.	6.0	201
8	Current perspectives of natural killer cell education by MHC class I molecules. Nature Reviews Immunology, 2010, 10, 724-734.	10.6	195
9	Host MHC class I gene control of NK-cell specificity in the mouse. Immunological Reviews, 1997, 155, 11-28.	2.8	145
10	Natural killer cell education in mice with single or multiple major histocompatibility complex class I molecules. Journal of Experimental Medicine, 2005, 201, 1145-1155.	4.2	133
11	Natural Killer Cell Tolerance in Mice with Mosaic Expression of Major Histocompatibility Complex Class I Transgene. Journal of Experimental Medicine, 1997, 186, 353-364.	4.2	123
12	A Role for cis Interaction between the Inhibitory Ly49A Receptor and MHC Class I for Natural Killer Cell Education. Immunity, 2009, 30, 337-347.	6.6	111
13	NK cells: elusive players in autoimmunity. Trends in Immunology, 2005, 26, 613-618.	2.9	102
14	Natural resistance against lymphoma grafts conveyed by H-2Dd transgene to C57BL mice.. Journal of Experimental Medicine, 1988, 168, 1469-1474.	4.2	98
15	Acquisition of External Major Histocompatibility Complex Class I Molecules by Natural Killer Cells Expressing Inhibitory Ly49 Receptors. Journal of Experimental Medicine, 2001, 194, 1519-1530.	4.2	94
16	Activated NK cells cause placental dysfunction and miscarriages in fetal alloimmune thrombocytopenia. Nature Communications, 2017, 8, 224.	5.8	77
17	Loss or mismatch of MHC classâ€„I is sufficient to trigger NK cell-mediated rejection of resting lymphocytesin vivoâ€“ role of KARAP/DAP12-dependent and -independent pathways. European Journal of Immunology, 2004, 34, 1646-1653.	1.6	75
18	The RMA-S lymphoma mutant; consequences of a peptide loading defect on immunological recognition and graft rejection. International Journal of Cancer, 1991, 47, 38-44.	2.3	68

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19	Different types of allospecific CTL clones identified by their ability to recognize peptide loading-defective target cells. European Journal of Immunology, 1991, 21, 2767-2774.	1.6	65
20	Alteration of the natural killer repertoire in H-2 transgenic mice: specificity of rapid lymphoma cell clearance determined by the H-2 phenotype of the target.. Journal of Experimental Medicine, 1991, 174, 327-334.	4.2	60
21	Beyond licensing and disarming: A quantitative view on NKâ€cell education. European Journal of Immunology, 2008, 38, 2934-2937.	1.6	53
22	Î²2â€‰-Microglobulin-deficient NK cells show increased sensitivity to MHC class I-mediated inhibition, but self tolerance does not depend upon target cell expression of H-2Kb and Db heavy chains. European Journal of Immunology, 1998, 28, 370-378.	1.6	49
23	DAP12 Signaling Regulates Plasmacytoid Dendritic Cell Homeostasis and Down-Modulates Their Function during Viral Infection. Journal of Immunology, 2006, 177, 2908-2916.	0.4	49
24	Skewing of the NK Cell Repertoire by MHC Class I via Quantitatively Controlled Enrichment and Contraction of Specific Ly49 Subsets. Journal of Immunology, 2012, 188, 2218-2226.	0.4	48
25	Expression of CD226 is associated to but not required for NK cell education. Nature Communications, 2017, 8, 15627.	5.8	48
26	Platelet-Mediated Protection of Cancer Cells From Immune Surveillance â€“ Possible Implications for Cancer Immunotherapy. Frontiers in Immunology, 2021, 12, 640578.	2.2	45
27	Quantifying the reduction in accessibility of the inhibitory NK cell receptor Ly49A caused by binding MHC classâ€„I proteins in cis. European Journal of Immunology, 2007, 37, 516-527.	1.6	39
28	External and internal calibration of the MHC class I-specific receptor Ly49A on murine natural killer cells. Journal of Immunology, 1998, 161, 6133-8.	0.4	39
29	Natural Killer Cell Inhibitory Receptor Expression in Humans and Mice: A Closer Look. Frontiers in Immunology, 2013, 4, 65.	2.2	34
30	Selection, tuning, and adaptation in mouse <scp>NK</scp> cell education. Immunological Reviews, 2015, 267, 167-177.	2.8	34
31	Inhibition of natural killer cell-mediated bone marrow graft rejection by allogeneic major histocompatibility complex class I, but not class II molecules. European Journal of Immunology, 1995, 25, 1286-1291.	1.6	32
32	The Complement System Is Essential for the Phagocytosis of Mesenchymal Stromal Cells by Monocytes. Frontiers in Immunology, 2019, 10, 2249.	2.2	32
33	Platelets made HLA deficient by acid treatment aggregate normally and escape destruction by complement and phagocytes in the presence of HLA antibodies. Transfusion, 2016, 56, 370-382.	0.8	30
34	The protean immune cell synapse: a supramolecular structure with many functions. Seminars in Immunology, 2003, 15, 317-324.	2.7	28
35	Dynamic Regulation of NK Cell Responsiveness. Current Topics in Microbiology and Immunology, 2015, 395, 95-114.	0.7	27
36	Î±1â€‰/â€‰Î±2 domains of H-2Dd, but not H-2Ld, induce â€œmissing selfâ€•reactivityin vivo â€“ No effect of H-2Ld on protection against NK cells expressing the inhibitory receptor Ly49G2. European Journal of Immunology, 1998, 28, 4198-4206.	1.6	26

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37	Probing Natural Killer Cell Education by Ly49 Receptor Expression Analysis and Computational Modelling in Single MHC Class I Mice. PLoS ONE, 2009, 4, e6046.	1.1	26
38	Natural Killer Cell Tolerance Persists Despite Significant Reduction of Self MHC Class I on Normal Target Cells in Mice. PLoS ONE, 2010, 5, e13174.	1.1	26
39	How we diagnose and treat neutropenia in adults. Expert Review of Hematology, 2016, 9, 479-487.	1.0	25
40	Ethnic benign neutropenia: A phenomenon finds an explanation. Pediatric Blood and Cancer, 2018, 65, e27361.	0.8	24
41	A Modified FCCS Procedure Applied to Ly49A-MHC Class I cis-Interaction Studies in Cell Membranes. Biophysical Journal, 2011, 101, 1257-1269.	0.2	23
42	Cryopreservation of buffy coatâ€“derived platelet concentrates photochemically treated with amotosalen and UVA light. Transfusion, 2018, 58, 2657-2668.	0.8	23
43	DNA Damage and Tumor Surveillance: One Trigger for Two Pathways. Science Signaling, 2006, 2006, pe2-pe2.	1.6	22
44	Random aggregates in newly produced platelet units are associated with platelet activation and release of the immunomodulatory factors <scp>sCD</scp>40<scp>L</scp> and <scp>RANTES</scp>. Transfusion, 2014, 54, 602-612.	0.8	22
45	Induced peripheral regulatory Tâ€„cells: The family grows larger. European Journal of Immunology, 2006, 36, 264-266.	1.6	21
46	HLAâ€selected platelets for platelet refractory patients with HLA antibodies: a singleâ€center experience. Transfusion, 2019, 59, 945-952.	0.8	21
47	Independent control of natural killer cell responsiveness and homeostasis at steady-state by CD11c+ dendritic cells. Scientific Reports, 2016, 6, 37996.	1.6	18
48	A longer duration of red blood cell storage is associated with a lower hemoglobin increase after blood transfusion: a cohort study. Transfusion, 2019, 59, 1945-1952.	0.8	18
49	Frequent platelet donation is associated with lymphopenia and risk of infections: A nationwide cohort study. Transfusion, 2021, 61, 464-473.	0.8	18
50	Retuning of Mouse NK Cells after Interference with MHC Class I Sensing Adjusts Self-Tolerance but Preserves Anticancer Response. Cancer Immunology Research, 2016, 4, 113-123.	1.6	17
51	<scp>TLR</scp>â€stimulated Eosinophils Mediate Recruitment and Activation of <scp>NK</scp> Cells In Vivo. Scandinavian Journal of Immunology, 2017, 85, 417-424.	1.3	16
52	A severe haemolytic transfusion reaction caused by anti-Le(a) active at 37 Â°C. Blood Transfusion, 2013, 11, 456-9.	0.3	14
53	Generation and control of metastasis in experimental tumor systems; inhibition of experimental metastases by a tilorone analogue. International Journal of Cancer, 1993, 54, 518-523.	2.3	13
54	Ibrutinib induces rapid downâ€regulation of inflammatory markers and altered transcription of chronic lymphocytic leukaemiaâ€related genes in blood and lymph nodes. British Journal of Haematology, 2018, 183, 212-224.	1.2	13

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55	Natural killing of MHC class Iâ€“ lymphoblasts by NK cells from long-term bone marrow culture requires effector cell expression of Ly49 receptors. International Immunology, 1999, 11, 1239-1246.	1.8	12
56	Low Number of H-2Dd-Negative Haematopoietic Cells in Mixed Bone Marrow Chimeras Convey In Vivo Tolerance to H-2Dd-Negative Cells But Fail to Prevent Resistance to H-2Dd-Negative Leukaemia. Scandinavian Journal of Immunology, 2004, 59, 71-78.	1.3	12
57	Sensitive detection of platelet-specific antibodies with a modified MAIPA using biotinylated antibodies and streptavidin-coated beads. Journal of Immunological Methods, 2016, 434, 9-15.	0.6	11
58	Complement as an Immune Barrier in Platelet Transfusion Refractoriness. Transfusion Medicine Reviews, 2019, 33, 231-235.	0.9	10
59	The dynamics of natural killer cell tolerance. Seminars in Cancer Biology, 2006, 16, 393-403.	4.3	9
60	Inhibitory Receptor Crosslinking Quantitatively Dampens Calcium Flux Induced by Activating Receptor Triggering in NK Cells. Frontiers in Immunology, 2018, 9, 3173.	2.2	9
61	Short-term IL-15 priming leaves a long-lasting signalling imprint in mouse NK cells independently of a metabolic switch. Life Science Alliance, 2021, 4, e202000723.	1.3	9
62	Increased diabetes development and decreased function of CD4⁺CD25⁺ Treg in the absence of a functional DAP12 adaptor protein. European Journal of Immunology, 2008, 38, 3191-3199.	1.6	8
63	The Ablâ€1 Kinase is Dispensable for <scp>NK</scp> Cell Inhibitory Signalling and is not Involved in Murine <scp>NK</scp> Cell Education. Scandinavian Journal of Immunology, 2017, 86, 135-142.	1.3	8
64	Increased frequency of the single nucleotide polymorphism of the <scp>DARC</scp>/<scp>ACKR1</scp> gene associated with ethnic neutropenia in a cohort of European patients with chronic idiopathic neutropenia. American Journal of Hematology, 2020, 95, E163-E166.	2.0	8
65	Male sex and the pattern of recurrent myeloid mutations are strong independent predictors of blood transfusion intensity in patients with myelodysplastic syndromes. Leukemia, 2019, 33, 522-527.	3.3	7
66	ILâ€15 and CD155 expression regulate LAT expression in murine DNAM1⁺ NK cells, enhancing their effectors functions. European Journal of Immunology, 2020, 50, 494-504.	1.6	7
67	Inhibition of the Proteasome Reduces Transfer-Induced Diabetes in Nonobese Diabetic Mice. Scandinavian Journal of Immunology, 2004, 60, 134-142.	1.3	6
68	TCR repertoire dynamics in the pancreatic lymph nodes of non-obese diabetic (NOD) mice at the time of disease initiation. Molecular Immunology, 2008, 45, 3059-3064.	1.0	6
69	Depletion of ILâ€2 receptor Î²â€positive cells protects from diabetes in nonâ€obese diabetic mice. Immunology and Cell Biology, 2016, 94, 177-184.	1.0	6
70	Storage of red blood cells in a novel polyolefin blood container: a pilot in vitro study. Vox Sanguinis, 2017, 112, 33-39.	0.7	6
71	Multicenter Study on Differential Human Neutrophil Antigen 2 Expression and Underlying Molecular Mechanisms. Transfusion Medicine and Hemotherapy, 2020, 47, 385-395.	0.7	6
72	<scp>HLA</scp> class <scp>I</scp> depletion by citric acid, and irradiation of apheresis platelets for transfusion of refractory patients. Transfusion, 2021, 61, 1222-1234.	0.8	6

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73	The blood protein hCAPâ€18 in neutropenia: An 18â€month experience of a new ELISA for clinical use. Scandinavian Journal of Immunology, 2021, 94, e13037.	1.3	6
74	Red blood cell blood group A antigen level affects the ability of heparin and PfEMP1 antibodies to disrupt Plasmodium falciparum rosettes. Malaria Journal, 2021, 20, 441.	0.8	6
75	The uterine cervix--a new member of the family of immunologically exceptional sites?. Cancer Immunity, 2003, 3, 6.	3.2	6
76	Characterisation of maternal human leukocyte antigen class I antibodies in suspected foetal and neonatal alloimmune thrombocytopenia. Transfusion Medicine, 2017, 27, 43-51.	0.5	5
77	Adding to the complexity of fetal and neonatal alloimmune thrombocytopenia: Reduced fibrinogen binding in the presence of anti-HPA-1a antibody and hypo-responsive neonatal platelets. Thrombosis Research, 2018, 162, 69-76.	0.8	5
78	Antiâ€Ð quantification in relation to antiâ€Ð titre, middle cerebral artery Doppler measurement and clinical outcome in RhDâ€immunized pregnancies. Vox Sanguinis, 2018, 113, 779-786.	0.7	5
79	Lack of F1 anti-parental resistance in H-2b/d F1 hybrids devoid of Î²2-microglobulin. European Journal of Immunology, 1997, 27, 342-345.	1.6	4
80	Mutation in the TACI gene and autoimmune neutropenia: A case report. American Journal of Hematology, 2022, 97, .	2.0	4
81	<scp>ABO</scp> , secretor, and Lewis carbohydrate histoâ€blood groups are associated with autoimmune neutropenia of early childhood in Danish patients. Transfusion, 0, , .	0.8	4
82	Differential effects on T cell and NK cell development by tissue-specific expression of H-2Dd transgene. European Journal of Immunology, 2000, 30, 525-533.	1.6	3
83	Platelet transfusion improves clot formation and platelet function in severely thrombocytopenic haematology patients. British Journal of Haematology, 2021, , .	1.2	3
84	FOXO1 and FOXO3 Cooperatively Regulate Innate Lymphoid Cell Development. Frontiers in Immunology, 0, 13, .	2.2	3
85	In vivo engineering of mobilized stem cell grafts with the immunomodulatory drug FTY720 for allogeneic transplantation. European Journal of Immunology, 2016, 46, 1758-1769.	1.6	2
86	Congenital and Acquired Chronic Neutropenias: Challenges, Perspectives and Implementation of the EuNetâ€INNOCHRON Action. HemaSphere, 2020, 4, e406.	1.2	2
87	MHC class I molecules coâ€stimulate NK1.1 signaling and enhance Ca²⁺ flux in murine NK cells. European Journal of Immunology, 2021, 51, 2531-2534.	1.6	2
88	Modeling the influence of molecule and cell surface micro-domain distribution on the formation of T cell immunological synapses. , 2007, , .		1
89	Natural killer cells and solid tumours: New therapies ahead?. Scandinavian Journal of Immunology, 2020, 91, e12878.	1.3	1
90	Role models that shaped Scandinavian immunology. Scandinavian Journal of Immunology, 2021, 94, e13056.	1.3	1

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91	A Brief IL-15 Pulse Results in JAK3-Dependent Phosphorylation of ITAM-Associated Signaling Molecules and a Long-Lasting Priming Imprint in Mouse NK Cells. SSRN Electronic Journal, 0, , .	0.4	1
92	Whatâ€™s in the tissue? Immunologyâ€™s new playground. Scandinavian Journal of Immunology, 2022, 95, e13141.	1.3	1
93	Role of major histocompatibility complex class I alpha 1/alpha 2 domain polymorphism and in vivo expression pattern in tumor resistance: studies with transgenic mice and lymphoma cell transfectants. Journal of Immunotherapy With Emphasis on Tumor Immunology, 1993, 14, 175-81.	0.3	1
94	<scp>HLA</scp>â€stripped platelets: preclinical developments and clinical outlooks. ISBT Science Series, 2017, 12, 148-153.	1.1	0
95	Scandinavian Society for Immunology turns 50: Snapshots of Scandinavian immunology today and the future of this learned society. Scandinavian Journal of Immunology, 2020, 92, e12976.	1.3	0
96	Talk of the town in 2021: Covidâ€19 vaccines likely take centre stage. Scandinavian Journal of Immunology, 2021, 93, e13014.	1.3	0
97	Systems-Level Analysis of the Immune Repertoire in Neutropenia Reveal Arrested NK Cell Differentiation and Exhaustion. Blood, 2020, 136, 24-25.	0.6	0
98	Clearing the mist of autoimmunity pathogenesis: Dedication and persistence is key. Scandinavian Journal of Immunology, 2022, 95, e13147.	1.3	0
99	Innate lymphoid cellsâ€”From homeostasis to disease. Scandinavian Journal of Immunology, 2022, 95, e13165.	1.3	0
100	Scandinavian journal of immunology: The first 50 years. Scandinavian Journal of Immunology, 2022, 95, e13127.	1.3	0
101	Immunology according to Dembic: Preserving integrity is key. Scandinavian Journal of Immunology, 2022, 95, e13173.	1.3	0
102	Two immunology happenings this June: Iceland hosts <scp>SSI</scp> 2022 and follicular T cells celebrate <scp>SJI</scp> 50â€‰years. Scandinavian Journal of Immunology, 2022, 95, .	1.3	0