Laurent Gapin

List of Publications by Year
in descending order

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Version: 2024-02-01

37 papers	4,225 citations	279798 23 h-index	361022 35 g-index
40 all docs	40 docs citations	40 times ranked	5076 citing authors

#	Article	IF	Citations
1	Tracking the Response of Natural Killer T Cells to a Glycolipid Antigen Using Cd1d Tetramers. Journal of Experimental Medicine, 2000, 192, 741-754.	8.5	818
2	T-bet Regulates the Terminal Maturation and Homeostasis of NK and VÎ±14i NKT Cells. Immunity, 2004, 20, 477-494.	14.3	649
3	Constitutive Cytokine mRNAs Mark Natural Killer (NK) and NK T Cells Poised for Rapid Effector Function. Journal of Experimental Medicine, 2003, 198, 1069-1076.	8.5	536
4	NKT cells derive from double-positive thymocytes that are positively selected by CD1d. Nature Immunology, 2001, 2, 971-978.	14.5	356
5	CD1d-restricted iNKT cells, the â€˜Swiss-Army knifeâ€™ of the immune system. Current Opinion in Immunology, 2008, 20, 358-368.	5.5	348
6	Evolutionarily Conserved Amino Acids That Control TCR-MHC Interaction. Annual Review of Immunology, 2008, 26, 171-203.	21.8	261
7	Germline-encoded amino acids in the Î±Î² T-cell receptor control thymic selection. Nature, 2009, 458, 1043-1046.	27.8	149
8	A Molecular Basis for the Exquisite CD1d-Restricted Antigen Specificity and Functional Responses of Natural Killer T Cells. Immunity, 2011, 34, 327-339.	14.3	107
9	Development of invariant natural killer T cells. Current Opinion in Immunology, 2016, 39, 68-74.	5.5	101
10	Invariant Natural Killer T Cell Subsetsâ€”More Than Just Developmental Intermediates. Frontiers in Immunology, 2018, 9, 1393.	4.8	87
11	A minimal binding footprint on CD1d-glycolipid is a basis for selection of the unique human NKT TCR. Journal of Experimental Medicine, 2008, 205, 939-949.	8.5	83
12	Natural Killer T cell obsession with self-antigens. Current Opinion in Immunology, 2013, 25, 168-173.	5.5	82
13	TCR signal strength controls thymic differentiation of iNKT cell subsets. Nature Communications, 2018, 9, 2650.	12.8	79
14	T cells and their eonsâ€old obsession with <scp>MHC</scp>. Immunological Reviews, 2012, 250, 49-60.	6.0	58
15	Evolutionarily Conserved Features Contribute to Î±Î² T Cell Receptor Specificity. Immunity, 2011, 35, 526-535.	14.3	57
16	IL-27 is required for shaping the magnitude, affinity distribution, and memory of T cells responding to subunit immunization. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16472-16477.	7.1	53
17	Thymic iNKT single cell analyses unmask the common developmental program of mouse innate T cells. Nature Communications, 2020, 11, 6238.	12.8	47
18	Check MAIT. Journal of Immunology, 2014, 192, 4475-4480.	0.8	46

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19	MAIT Cell Recognition of MR1 on Bacterially Infected and Uninfected Cells. PLoS ONE, 2013, 8, e53789.	2.5	40
20	How C-terminal additions to insulin B-chain fragments create superagonists for T cells in mouse and human type 1 diabetes. Science Immunology, 2019, 4, .	11.9	38
21	Effective functional maturation of invariant natural killer T cells is constrained by negative selection and T-cell antigen receptor affinity. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E119-28.	7.1	34
22	Development of T cell lines sensitive to antigen stimulation. Journal of Immunological Methods, 2018, 462, 65-73.	1.4	31
23	Class II major histocompatibility complex mutant mice to study the germ-line bias of T-cell antigen receptors. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E5608-E5617.	7.1	25
24	The somatically generated portion of T cell receptor CDR3Î± contributes to the MHC allele specificity of the T cell receptor. ELife, 2017, 6, .	6.0	25
25	Differing roles of CD1d2 and CD1d1 proteins in type I natural killer T cell development and function. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E1204-E1213.	7.1	21
26	MAIT Cells: Partners or Enemies in Cancer Immunotherapy?. Cancers, 2021, 13, 1502.	3.7	18
27	Inherent reactivity of unselected TCR repertoires to peptide-MHC molecules. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 22252-22261.	7.1	17
28	Circulating CD8⁺ mucosalâ€associated invariant T cells correlate with improved treatment responses and overall survival in antiâ€PDâ€1â€treated melanoma patients. Clinical and Translational Immunology, 2022, 11, e1367.	3.8	16
29	Structure and function of the non-classical major histocompatibility complex molecule MR1. Immunogenetics, 2016, 68, 549-559.	2.4	13
30	Type II Natural Killer T Cells Contribute to Protection Against Systemic Methicillin-Resistant Staphylococcus aureus Infection. Frontiers in Immunology, 2020, 11, 610010.	4.8	8
31	Characterization of Thymic Development of Natural Killer T Cell Subsets by Multiparameter Flow Cytometry. Methods in Molecular Biology, 2018, 1799, 121-133.	0.9	7
32	Single cell analysis of host response to helminth infection reveals the clonal breadth, heterogeneity, and tissue-specific programming of the responding CD4+ T cell repertoire. PLoS Pathogens, 2021, 17, e1009602.	4.7	7
33	Revealing the TCR bias for MHC molecules. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2809-2811.	7.1	2
34	iNKT cells need UTX-tra demethylation. Nature Immunology, 2017, 18, 148-150.	14.5	2
35	Contribution of the SYK Tyrosine kinase expression to human iNKT selfâ€reactivity. European Journal of Immunology, 2020, 50, 1454-1467.	2.9	1
36	It is time to beelieve the CD1a hype!. European Journal of Immunology, 2016, 46, 56-59.	2.9	0

#	Article	IF	Citations
37	CD1a autoreactivity: When size does matter. Journal of Experimental Medicine, 2021, 218, .	8.5	0