

Fabrice Lemaitre

List of Publications by Year in descending order

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34
papers

2,961
citations

236925

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h-index

377865

34
g-index

35
all docs

35
docs citations

35
times ranked

4787
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatiotemporal dynamics of calcium signals during neutrophil cluster formation. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	8
2	Imaging the mechanisms of anti-CD20 therapy in vivo uncovers spatiotemporal bottlenecks in antibody-dependent phagocytosis. Science Advances, 2021, 7, .	10.3	18
3	A cross-talk between CAR T cell subsets and the tumor microenvironment is essential for sustained cytotoxic activity. Science Immunology, 2021, 6, .	11.9	105
4	Functional heterogeneity of cytotoxic T cells and tumor resistance to cytotoxic hits limit anti-tumor activity in vivo. EMBO Journal, 2021, 40, e106658.	7.8	15
5	Quorum sensing governs collective dendritic cell activation in vivo. EMBO Journal, 2021, 40, e107176.	7.8	16
6	Bystander IFN- β activity promotes widespread and sustained cytokine signaling altering the tumor microenvironment. Nature Cancer, 2020, 1, 302-314.	13.2	93
7	Optogenetic manipulation of calcium signals in single T cells in vivo. Nature Communications, 2020, 11, 1143.	12.8	46
8	Single-cell imaging of CAR T cell activity in vivo reveals extensive functional and anatomical heterogeneity. Journal of Experimental Medicine, 2019, 216, 1038-1049.	8.5	109
9	Termination of T cell priming relies on a phase of unresponsiveness promoting disengagement from APCs and T cell division. Journal of Experimental Medicine, 2018, 215, 1481-1492.	8.5	21
10	A Metabolism-Based Quorum Sensing Mechanism Contributes to Termination of Inflammatory Responses. Immunity, 2018, 49, 654-665.e5.	14.3	50
11	In vivo imaging of inflammasome activation reveals a subcapsular macrophage burst response that mobilizes innate and adaptive immunity. Nature Medicine, 2016, 22, 64-71.	30.7	130
12	Signal strength regulates antigen-mediated T-cell deceleration by distinct mechanisms to promote local exploration or arrest. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12151-12156.	7.1	58
13	Phenotypic CD8+ T Cell Diversification Occurs before, during, and after the First T Cell Division. Journal of Immunology, 2013, 191, 1578-1585.	0.8	28
14	HIV Controllers Maintain a Population of Highly Efficient Th1 Effector Cells in Contrast to Patients Treated in the Long Term. Journal of Virology, 2012, 86, 10661-10674.	3.4	57
15	Cutting Edge: Tumor-Targeting Antibodies Enhance NKG2D-Mediated NK Cell Cytotoxicity by Stabilizing NK Cell-Tumor Cell Interactions. Journal of Immunology, 2012, 189, 5493-5497.	0.8	37
16	Subcapsular sinus macrophages promote NK cell accumulation and activation in response to lymph-borne viral particles. Blood, 2012, 120, 4744-4750.	1.4	60
17	Dissecting T Cell Contraction In Vivo Using a Genetically Encoded Reporter of Apoptosis. Cell Reports, 2012, 2, 1438-1447.	6.4	64
18	Dynamic In Situ Cytometry Uncovers T Cell Receptor Signaling during Immunological Synapses and Kinapses In Vivo. Immunity, 2012, 37, 351-363.	14.3	172

#	ARTICLE	IF	CITATIONS
19	Regulatory T Cells Increase the Avidity of Primary CD8 ⁺ T Cell Responses and Promote Memory. <i>Science</i> , 2012, 338, 532-536.	12.6	138
20	Immunization route dictates cross-priming efficiency and impacts the optimal timing of adjuvant delivery. <i>Frontiers in Immunology</i> , 2011, 2, 71.	4.8	11
21	Visualizing the Functional Diversification of CD8 ⁺ T Cell Responses in Lymph Nodes. <i>Immunity</i> , 2010, 33, 412-423.	14.3	64
22	Intravital Imaging Reveals Distinct Dynamics for Natural Killer and CD8 ⁺ T Cells during Tumor Regression. <i>Immunity</i> , 2010, 33, 632-644.	14.3	137
23	Subcellular dynamics of T cell immunological synapses and kinapses in lymph nodes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 3675-3680.	7.1	82
24	Occupancy of Lymphocyte LFA-1 by Surface-Immobilized ICAM-1 Is Critical for TCR- but Not for Chemokine-Triggered LFA-1 Conversion to an Open Headpiece High-Affinity State. <i>Journal of Immunology</i> , 2010, 185, 7394-7404.	0.8	33
25	HIV Controller CD4 ⁺ T Cells Respond to Minimal Amounts of Gag Antigen Due to High TCR Avidity. <i>PLoS Pathogens</i> , 2010, 6, e1000780.	4.7	74
26	Absence of amplification of CD4 ⁺ CD25 ^{high} regulatory T cells during <i>in vitro</i> expansion of tumor-infiltrating lymphocytes in melanoma patients. <i>Experimental Dermatology</i> , 2008, 17, 436-445.	2.9	6
27	Antigen Persistence Is Required for Dendritic Cell Licensing and CD8 ⁺ T Cell Cross-Priming. <i>Journal of Immunology</i> , 2008, 181, 3067-3076.	0.8	44
28	Two-photon imaging of intratumoral CD8 ⁺ T cell cytotoxic activity during adoptive T cell therapy in mice. <i>Journal of Clinical Investigation</i> , 2008, 118, 1390-1397.	8.2	264
29	Real-Time Manipulation of T Cell-Dendritic Cell Interactions In Vivo Reveals the Importance of Prolonged Contacts for CD4 ⁺ T Cell Activation. <i>Immunity</i> , 2007, 27, 625-634.	14.3	185
30	Severe FOXP3 ⁺ and Naïve T Lymphopenia in a Non-IPEX Form of Autoimmune Enteropathy Combined With an Immunodeficiency. <i>Gastroenterology</i> , 2007, 132, 1694-1704.	1.3	26
31	Foxp3 Expressing CD4 ⁺ CD25 ^{high} Regulatory T Cells Are Overrepresented in Human Metastatic Melanoma Lymph Nodes and Inhibit the Function of Infiltrating T Cells. <i>Journal of Immunology</i> , 2004, 173, 1444-1453.	0.8	635
32	Detection of low-frequency human antigen-specific CD4 ⁺ T _H 1 cells using MHC class II multimer bead sorting and immunoscope analysis. <i>European Journal of Immunology</i> , 2004, 34, 2841-2949.	2.9	19
33	T _H 1 cell adhesion lowers the threshold for antigen detection. <i>European Journal of Immunology</i> , 2003, 33, 1215-1223.	2.9	48
34	CD8 Expression Allows T Cell Signaling by Monomeric Peptide-MHC Complexes. <i>Immunity</i> , 1998, 9, 467-473.	14.3	108