

Julie Zikherman

List of Publications by Year in descending order

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47
papers

2,459
citations

257450

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233421

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55
docs citations

55
times ranked

3826
citing authors

#	ARTICLE	IF	CITATIONS
1	Digital Signaling and Hysteresis Characterize Ras Activation in Lymphoid Cells. <i>Cell</i> , 2009, 136, 337-351.	28.9	362
2	Endogenous antigen tunes the responsiveness of naive B cells but not T cells. <i>Nature</i> , 2012, 489, 160-164.	27.8	284
3	CD45, CD148, and Lyp/Pep: critical phosphatases regulating Src family kinase signaling networks in immune cells. <i>Immunological Reviews</i> , 2009, 228, 288-311.	6.0	159
4	A sharp T-cell antigen receptor signaling threshold for T-cell proliferation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E3679-88.	7.1	134
5	<i><i>PTPN22</i> Deficiency Cooperates with the CD45 E613R Allele to Break Tolerance on a Non-Autoimmune Background. <i>Journal of Immunology</i>, 2009, 182, 4093-4106.</i>	0.8	117
6	IL-2 Modulates the TCR Signaling Threshold for CD8 but Not CD4 T Cell Proliferation on a Single-Cell Level. <i>Journal of Immunology</i> , 2017, 198, 2445-2456.	0.8	89
7	Delta-1 negatively regulates the transition from prehypertrophic to hypertrophic chondrocytes during cartilage formation. <i>Development (Cambridge)</i> , 1999, 126, 987-998.	2.5	87
8	Tonic Signals: Why Do Lymphocytes Bother?. <i>Trends in Immunology</i> , 2017, 38, 844-857.	6.8	86
9	CD45-Csk Phosphatase-Kinase Titration Uncouples Basal and Inducible T Cell Receptor Signaling during Thymic Development. <i>Immunity</i> , 2010, 32, 342-354.	14.3	78
10	Monovalent and Multivalent Ligation of the B Cell Receptor Exhibit Differential Dependence upon Syk and Src Family Kinases. <i>Science Signaling</i> , 2013, 6, ra1.	3.6	73
11	Quantitative and temporal requirements revealed for Zap70 catalytic activity during T cell development. <i>Nature Immunology</i> , 2014, 15, 687-694.	14.5	65
12	Cutting Edge: An In Vivo Reporter Reveals Active B Cell Receptor Signaling in the Germinal Center. <i>Journal of Immunology</i> , 2015, 194, 2993-2997.	0.8	63
13	IgM and IgD B cell receptors differentially respond to endogenous antigens and control B cell fate. <i>ELife</i> , 2018, 7, .	6.0	62
14	Long-Term Corticosteroid-Sparing Immunosuppression for Cardiac Sarcoidosis. <i>Journal of the American Heart Association</i> , 2019, 8, e010952.	3.7	60
15	Origin of the sharp boundary that discriminates positive and negative selection of thymocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 528-533.	7.1	59
16	NR4A nuclear receptors restrain B cell responses to antigen when second signals are absent or limiting. <i>Nature Immunology</i> , 2020, 21, 1267-1279.	14.5	56
17	The role of T cell receptor signaling thresholds in guiding T cell fate decisions. <i>Current Opinion in Immunology</i> , 2015, 33, 43-48.	5.5	43
18	Quantitative differences in CD45 expression unmask functions for CD45 in B-cell development, tolerance, and survival. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E3-12.	7.1	40

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19	Self-reactivity on a spectrum: A sliding scale of peripheral B cell tolerance. <i>Immunological Reviews</i> , 2019, 292, 37-60.	6.0	39
20	Alternative Splicing of CD45: The Tip of the Iceberg. <i>Immunity</i> , 2008, 29, 839-841.	14.3	38
21	Tonic LAT-HDAC7 Signals Sustain Nur77 and Irf4 Expression to Tune Naive CD4 ⁺ T Cells. <i>Cell Reports</i> , 2017, 19, 1558-1571.	6.4	34
22	An extracatalytic function of CD45 in B cells is mediated by CD22. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E6515-24.	7.1	33
23	Antigen receptor signaling in the rheumatic diseases. <i>Arthritis Research and Therapy</i> , 2008, 11, 202.	3.5	32
24	Interferon gamma constrains type 2 lymphocyte niche boundaries during mixed inflammation. <i>Immunity</i> , 2022, 55, 254-271.e7.	14.3	30
25	Nur77 Links Chronic Antigen Stimulation to B Cell Tolerance by Restricting the Survival of Self-Reactive B Cells in the Periphery. <i>Journal of Immunology</i> , 2019, 202, 2907-2923.	0.8	29
26	Establishment of fetomaternal tolerance through glycan-mediated B cell suppression. <i>Nature</i> , 2022, 603, 497-502.	27.8	29
27	Unraveling the functional implications of GWAS: how T cell protein tyrosine phosphatase drives autoimmune disease. <i>Journal of Clinical Investigation</i> , 2011, 121, 4618-4621.	8.2	28
28	Reporters of TCR signaling identify arthritogenic T cells in murine and human autoimmune arthritis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 18517-18527.	7.1	23
29	Optimal Development of Mature B Cells Requires Recognition of Endogenous Antigens. <i>Journal of Immunology</i> , 2019, 203, 418-428.	0.8	21
30	Protein Kinase C δ Promotes Transitional B Cell-Negative Selection and Limits Proximal B Cell Receptor Signaling To Enforce Tolerance. <i>Molecular and Cellular Biology</i> , 2014, 34, 1474-1485.	2.3	20
31	Differential impact of the CD45 juxtamembrane wedge on central and peripheral T cell receptor responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 546-551.	7.1	19
32	Nur77 Is Upregulated in B-1a Cells by Chronic Self-Antigen Stimulation and Limits Generation of Natural IgM Plasma Cells. <i>ImmunoHorizons</i> , 2017, 1, 188-197.	1.8	19
33	NR4A family members regulate T cell tolerance to preserve immune homeostasis and suppress autoimmunity. <i>JCI Insight</i> , 2021, 6, .	5.0	17
34	Control of autoreactive B cells by IgM and IgD B cell receptors: maintaining a fine balance. <i>Current Opinion in Immunology</i> , 2018, 55, 67-74.	5.5	16
35	Synthetic Liposomal Mimics of Biological Viruses for the Study of Immune Responses to Infection and Vaccination. <i>Bioconjugate Chemistry</i> , 2020, 31, 685-697.	3.6	15
36	Negative feedback by NUR77/Nr4a1 restrains B cell clonal dominance during early T-dependent immune responses. <i>Cell Reports</i> , 2021, 36, 109645.	6.4	13

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37	Processing of prodynorphin in BRL-3A cells, a rat liver-derived cell line: implications for the specificity of neuropeptide-processing enzymes. <i>Molecular and Cellular Endocrinology</i> , 1993, 94, 37-45.	3.2	11
38	The Structural Wedge Domain of the Receptor-like Tyrosine Phosphatase CD45 Enforces B Cell Tolerance by Regulating Substrate Specificity. <i>Journal of Immunology</i> , 2013, 190, 2527-2535.	0.8	11
39	Novel Tools to Dissect the Dynamic Regulation of TCR Signaling by the Kinase Csk and the Phosphatase CD45. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2013, 78, 131-139.	1.1	11
40	Unbiased Modifier Screen Reveals That Signal Strength Determines the Regulatory Role Murine TLR9 Plays in Autoantibody Production. <i>Journal of Immunology</i> , 2015, 194, 3675-3686.	0.8	7
41	ATP-competitive partial antagonists of the IRE1 \pm RNase segregate outputs of the UPR. <i>Nature Chemical Biology</i> , 2021, 17, 1148-1156.	8.0	7
42	NR4A nuclear receptors in T and B lymphocytes: Gatekeepers of immune tolerance*. <i>Immunological Reviews</i> , 2022, 307, 116-133.	6.0	7
43	B cell autoimmunity at the extremes. <i>Nature Immunology</i> , 2017, 18, 1065-1066.	14.5	4
44	The BAFFling persistence of memory B cells. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	3
45	GC B cells $\hat{=}$ AKT $\hat{=}$ ™ to blunt BCR signaling. <i>Nature Immunology</i> , 2019, 20, 671-674.	14.5	1
46	Negative Feedback by NUR77/ <i>Nr4a1</i> Restrains B Cell Clonal Dominance During Early T-Dependent Immune Responses. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
47	Many Achilles $\hat{=}$ ™ heels of B and T cell tolerance. <i>Immunological Reviews</i> , 2022, 307, 5-11.	6.0	0