

Morgan Huse

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

4,412
citations

186265

28
h-index

214800

47
g-index

54
all docs

54
docs citations

54
times ranked

5709
citing authors

#	ARTICLE	IF	CITATIONS
1	HLA-independent T cell receptors for targeting tumors with low antigen density. <i>Nature Medicine</i> , 2022, 28, 345-352.	30.7	73
2	Harder, better, faster, stronger: biochemistry and biophysics in the immunosurveillance concert. <i>Trends in Immunology</i> , 2022, 43, 96-105.	6.8	4
3	TCR signal strength defines distinct mechanisms of T cell dysfunction and cancer evasion. <i>Journal of Experimental Medicine</i> , 2022, 219, .	8.5	64
4	Mechanically active integrins target lytic secretion at the immune synapse to facilitate cellular cytotoxicity. <i>Nature Communications</i> , 2022, 13, .	12.8	27
5	Cytotoxic lymphocytes target characteristic biophysical vulnerabilities in cancer. <i>Immunity</i> , 2021, 54, 1037-1054.e7.	14.3	56
6	Ectopic activation of the miR-200câ€“EpCAM axis enhances antitumor T cell responses in models of adoptive cell therapy. <i>Science Translational Medicine</i> , 2021, 13, eabg4328.	12.4	8
7	Microparticle traction force microscopy reveals subcellular force exertion patterns in immune cellâ€“target interactions. <i>Nature Communications</i> , 2020, 11, 20.	12.8	101
8	Modulating T Cell Activation Using Depth Sensing Topographic Cues. <i>Advanced Biology</i> , 2020, 4, 2000143.	3.0	8
9	Interdomain spacing and spatial configuration drive the potency of IgG-[L]-scFv T cell bispecific antibodies. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	54
10	Centrioles control the capacity, but not the specificity, of cytotoxic T cell killing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 4310-4319.	7.1	23
11	Actin clearance promotes polarized dynein accumulation at the immunological synapse. <i>PLoS ONE</i> , 2019, 14, e0210377.	2.5	27
12	T cell activation and immune synapse organization respond to the microscale mechanics of structured surfaces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 19835-19840.	7.1	64
13	Cytomegalovirus Infection Drives Avidity Selection of Natural Killer Cells. <i>Immunity</i> , 2019, 50, 1381-1390.e5.	14.3	42
14	Interfacial actin protrusions mechanically enhance killing by cytotoxic T cells. <i>Science Immunology</i> , 2019, 4, .	11.9	93
15	CAR T cell trogocytosis and cooperative killing regulate tumour antigen escape. <i>Nature</i> , 2019, 568, 112-116.	27.8	408
16	Spatial and Temporal Control of T Cell Activation Using a Photoactivatable Agonist. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	5
17	Probing Synaptic Biomechanics Using Micropillar Arrays. <i>Methods in Molecular Biology</i> , 2017, 1584, 333-346.	0.9	7
18	Sorting nexin 27 interactome in Tâ€“lymphocytes identifies zona occludensâ€“2 dynamic redistribution at the immune synapse. <i>Traffic</i> , 2017, 18, 491-504.	2.7	18

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19	A Tunable Diffusion-Consumption Mechanism of Cytokine Propagation Enables Plasticity in Cell-to-Cell Communication in the Immune System. <i>Immunity</i> , 2017, 46, 609-620.	14.3	136
20	Mechanical Communication at the Immunological Synapse. <i>Trends in Cell Biology</i> , 2017, 27, 241-254.	7.9	87
21	Mechanical forces in the immune system. <i>Nature Reviews Immunology</i> , 2017, 17, 679-690.	22.7	297
22	Successful engineering of a highly potent single-chain variable-fragment (scFv) bispecific antibody to target disialoganglioside (GD2) positive tumors. <i>Oncolmunology</i> , 2016, 5, e1168557.	4.6	30
23	Cancer Immunosurveillance by Tissue-Resident Innate Lymphoid Cells and Innate-like T Cells. <i>Cell</i> , 2016, 164, 365-377.	28.9	276
24	Cytotoxic T Cells Use Mechanical Force to Potentiate Target Cell Killing. <i>Cell</i> , 2016, 165, 100-110.	28.9	329
25	Retargeting T Cells to GD2 Pentasaccharide on Human Tumors Using Bispecific Humanized Antibody. <i>Cancer Immunology Research</i> , 2015, 3, 266-277.	3.4	74
26	A Generalizable Platform for the Photoactivation of Cell Surface Receptors. <i>ACS Chemical Biology</i> , 2015, 10, 2435-2440.	3.4	3
27	Molecular mechanisms and functional implications of polarized actin remodeling at the T cell immunological synapse. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 537-556.	5.4	77
28	Immunological Synapse Formation: Cell Polarity During T Cell-APC Interaction. , 2015, , 247-275.		4
29	Lipid-based patterning of the immunological synapse. <i>Biochemical Society Transactions</i> , 2014, 42, 1506-1511.	3.4	12
30	Diacylglycerol kinase δ establishes T cell polarity by shaping diacylglycerol accumulation at the immunological synapse. <i>Science Signaling</i> , 2014, 7, ra82.	3.6	72
31	CD28 and CD3 have complementary roles in T-cell traction forces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2241-2246.	7.1	211
32	The Variable Hinge Region of Novel PKCs Determines Localization to Distinct Regions of the Immunological Synapse. <i>PLoS ONE</i> , 2014, 9, e95531.	2.5	8
33	From lipid second messengers to molecular motors: microtubule-organizing center reorientation in T cells. <i>Immunological Reviews</i> , 2013, 256, 95-106.	6.0	30
34	Annular PIP3 accumulation controls actin architecture and modulates cytotoxicity at the immunological synapse. <i>Journal of Experimental Medicine</i> , 2013, 210, 2721-2737.	8.5	113
35	Building tolerance by dismantling synapses: inhibitory receptor signaling in natural killer cells. <i>Immunological Reviews</i> , 2013, 251, 143-153.	6.0	11
36	Diacylglycerol promotes centrosome polarization in T cells via reciprocal localization of dynein and myosin II. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 11976-11981.	7.1	86

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37	Inhibitory Receptor Signaling Destabilizes Immunological Synapse Formation in Primary NK Cells. <i>Frontiers in Immunology</i> , 2013, 4, 410.	4.8	11
38	Microtubule-organizing center polarity and the immunological synapse: protein kinase C and beyond. <i>Frontiers in Immunology</i> , 2012, 3, 235.	4.8	67
39	Protein Kinase C- $\hat{1}$, Clustering at Immunological Synapses Amplifies Effector Responses in NK Cells. <i>Journal of Immunology</i> , 2012, 189, 4859-4869.	0.8	12
40	A cascade of protein kinase C isozymes promotes cytoskeletal polarization in T cells. <i>Nature Immunology</i> , 2011, 12, 647-654.	14.5	157
41	Lymphocyte polarity, the immunological synapse and the scope of biological analogy. <i>Bioarchitecture</i> , 2011, 1, 180-185.	1.5	8
42	Inhibitory signaling blocks activating receptor clustering and induces cytoskeletal retraction in natural killer cells. <i>Journal of Cell Biology</i> , 2011, 192, 675-690.	5.2	71
43	Photochemical approaches to T cell activation. <i>Immunology</i> , 2010, 130, 151-157.	4.4	6
44	The T-cell-receptor signaling network. <i>Journal of Cell Science</i> , 2009, 122, 1269-1273.	2.0	114
45	Localized diacylglycerol drives the polarization of the microtubule-organizing center in T cells. <i>Nature Immunology</i> , 2009, 10, 627-635.	14.5	222
46	Shouts, whispers and the kiss of death: directional secretion in T cells. <i>Nature Immunology</i> , 2008, 9, 1105-1111.	14.5	184
47	Spatial and Temporal Dynamics of T Cell Receptor Signaling with a Photoactivatable Agonist. <i>Immunity</i> , 2007, 27, 76-88.	14.3	218
48	T cells use two directionally distinct pathways for cytokine secretion. <i>Nature Immunology</i> , 2006, 7, 247-255.	14.5	396