Morgan Huse

List of Publications by Year
in descending order

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48	4,412	186265	214800
papers	citations	28 h-index	47 g-index

54	54	54	5709
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	CAR T cell trogocytosis and cooperative killing regulate tumour antigen escape. Nature, 2019, 568, 112-116.	27.8	408
2	T cells use two directionally distinct pathways for cytokine secretion. Nature Immunology, 2006, 7, 247-255.	14.5	396
3	Cytotoxic T Cells Use Mechanical Force to Potentiate Target Cell Killing. Cell, 2016, 165, 100-110.	28.9	329
4	Mechanical forces in the immune system. Nature Reviews Immunology, 2017, 17, 679-690.	22.7	297
5	Cancer Immunosurveillance by Tissue-Resident Innate Lymphoid Cells and Innate-like T Cells. Cell, 2016, 164, 365-377.	28.9	276
6	Localized diacylglycerol drives the polarization of the microtubule-organizing center in T cells. Nature Immunology, 2009, 10, 627-635.	14.5	222
7	Spatial and Temporal Dynamics of T Cell Receptor Signaling with a Photoactivatable Agonist. Immunity, 2007, 27, 76-88.	14.3	218
8	CD28 and CD3 have complementary roles in T-cell traction forces. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 2241-2246.	7.1	211
9	Shouts, whispers and the kiss of death: directional secretion in T cells. Nature Immunology, 2008, 9, 1105-1111.	14.5	184
10	A cascade of protein kinase C isozymes promotes cytoskeletal polarization in T cells. Nature Immunology, 2011, 12, 647-654.	14.5	157
11	A Tunable Diffusion-Consumption Mechanism of Cytokine Propagation Enables Plasticity in Cell-to-Cell Communication in the Immune System. Immunity, 2017, 46, 609-620.	14.3	136
12	The T-cell-receptor signaling network. Journal of Cell Science, 2009, 122, 1269-1273.	2.0	114
13	Annular PIP3 accumulation controls actin architecture and modulates cytotoxicity at the immunological synapse. Journal of Experimental Medicine, 2013, 210, 2721-2737.	8.5	113
14	Microparticle traction force microscopy reveals subcellular force exertion patterns in immune cellâ€“target interactions. Nature Communications, 2020, 11, 20.	12.8	101
15	Interfacial actin protrusions mechanically enhance killing by cytotoxic T cells. Science Immunology, 2019, 4, .	11.9	93
16	Mechanical Communication at the Immunological Synapse. Trends in Cell Biology, 2017, 27, 241-254.	7.9	87
17	Diacylglycerol promotes centrosome polarization in T cells via reciprocal localization of dynein and myosin II. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11976-11981.	7.1	86
18	Molecular mechanisms and functional implications of polarized actin remodeling at the T cell immunological synapse. Cellular and Molecular Life Sciences, 2015, 72, 537-556.	5.4	77

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19	Retargeting T Cells to GD2 Pentasaccharide on Human Tumors Using Bispecific Humanized Antibody. Cancer Immunology Research, 2015, 3, 266-277.	3.4	74
20	HLA-independent T cell receptors for targeting tumors with low antigen density. Nature Medicine, 2022, 28, 345-352.	30.7	73
21	Diacylglycerol kinase Î± establishes T cell polarity by shaping diacylglycerol accumulation at the immunological synapse. Science Signaling, 2014, 7, ra82.	3.6	72
22	Inhibitory signaling blocks activating receptor clustering and induces cytoskeletal retraction in natural killer cells. Journal of Cell Biology, 2011, 192, 675-690.	5.2	71
23	Microtubule-organizing center polarity and the immunological synapse: protein kinase C and beyond. Frontiers in Immunology, 2012, 3, 235.	4.8	67
24	T cell activation and immune synapse organization respond to the microscale mechanics of structured surfaces. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 19835-19840.	7.1	64
25	TCR signal strength defines distinct mechanisms of T cell dysfunction and cancer evasion. Journal of Experimental Medicine, 2022, 219, .	8.5	64
26	Cytotoxic lymphocytes target characteristic biophysical vulnerabilities in cancer. Immunity, 2021, 54, 1037-1054.e7.	14.3	56
27	Interdomain spacing and spatial configuration drive the potency of IgG-[L]-scFv T cell bispecific antibodies. Science Translational Medicine, 2020, 12, .	12.4	54
28	Cytomegalovirus Infection Drives Avidity Selection of Natural Killer Cells. Immunity, 2019, 50, 1381-1390.e5.	14.3	42
29	From lipid second messengers to molecular motors: microtubuleâ€organizing center reorientation in T cells. Immunological Reviews, 2013, 256, 95-106.	6.0	30
30	Successful engineering of a highly potent single-chain variable-fragment (scFv) bispecific antibody to target disialoganglioside (GD2) positive tumors. OncoImmunology, 2016, 5, e1168557.	4.6	30
31	Actin clearance promotes polarized dynein accumulation at the immunological synapse. PLoS ONE, 2019, 14, e0210377.	2.5	27
32	Mechanically active integrins target lytic secretion at the immune synapse to facilitate cellular cytotoxicity. Nature Communications, 2022, 13, .	12.8	27
33	Centrioles control the capacity, but not the specificity, of cytotoxic T cell killing. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 4310-4319.	7.1	23
34	Sorting nexin 27 interactome in Tâ€lymphocytes identifies zona occludensâ€2 dynamic redistribution at the immune synapse. Traffic, 2017, 18, 491-504.	2.7	18
35	Protein Kinase C-Î¸ Clustering at Immunological Synapses Amplifies Effector Responses in NK Cells. Journal of Immunology, 2012, 189, 4859-4869.	0.8	12
36	Lipid-based patterning of the immunological synapse. Biochemical Society Transactions, 2014, 42, 1506-1511.	3.4	12

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37	Building tolerance by dismantling synapses: inhibitory receptor signaling in natural killer cells. Immunological Reviews, 2013, 251, 143-153.	6.0	11
38	Inhibitory Receptor Signaling Destabilizes Immunological Synapse Formation in Primary NK Cells. Frontiers in Immunology, 2013, 4, 410.	4.8	11
39	Lymphocyte polarity, the immunological synapse and the scope of biological analogy. Bioarchitecture, 2011, 1, 180-185.	1.5	8
40	Modulating T Cell Activation Using Depth Sensing Topographic Cues. Advanced Biology, 2020, 4, 2000143.	3.0	8
41	Ectopic activation of the miR-200câ€“EpCAM axis enhances antitumor T cell responses in models of adoptive cell therapy. Science Translational Medicine, 2021, 13, eabg4328.	12.4	8
42	The Variable Hinge Region of Novel PKCs Determines Localization to Distinct Regions of the Immunological Synapse. PLoS ONE, 2014, 9, e95531.	2.5	8
43	Probing Synaptic Biomechanics Using Micropillar Arrays. Methods in Molecular Biology, 2017, 1584, 333-346.	0.9	7
44	Photochemical approaches to Tâ€cell activation. Immunology, 2010, 130, 151-157.	4.4	6
45	Spatial and Temporal Control of T Cell Activation Using a Photoactivatable Agonist. Journal of Visualized Experiments, 2018, , .	0.3	5
46	Immunological Synapse Formation: Cell Polarity During T Cellâ€“APC Interaction. , 2015, , 247-275.		4
47	Harder, better, faster, stronger: biochemistry and biophysics in the immunosurveillance concert. Trends in Immunology, 2022, 43, 96-105.	6.8	4
48	A Generalizable Platform for the Photoactivation of Cell Surface Receptors. ACS Chemical Biology, 2015, 10, 2435-2440.	3.4	3