# Morgan Huse

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2366583/publications.pdf

Version: 2024-02-01

| | | | |
|---|---|---|---|
| 48<br>papers | 4,412<br>citations | 185998<br>28<br>h-index | 214527<br>47<br>g-index |
| 54<br>all docs | 54<br>docs citations | 54<br>times ranked | 5709<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | CAR T cell trogocytosis and cooperative killing regulate tumour antigen escape. Nature, 2019, 568, 112-116. | 13.7 | 408 |
| 2 | T cells use two directionally distinct pathways for cytokine secretion. Nature Immunology, 2006, 7, 247-255. | 7.0 | 396 |
| 3 | Cytotoxic T Cells Use Mechanical Force to Potentiate Target Cell Killing. Cell, 2016, 165, 100-110. | 13.5 | 329 |
| 4 | Mechanical forces in the immune system. Nature Reviews Immunology, 2017, 17, 679-690. | 10.6 | 297 |
| 5 | Cancer Immunosurveillance by Tissue-Resident Innate Lymphoid Cells and Innate-like T Cells. Cell, 2016, 164, 365-377. | 13.5 | 276 |
| 6 | Localized diacylglycerol drives the polarization of the microtubule-organizing center in T cells. Nature Immunology, 2009, 10, 627-635. | 7.0 | 222 |
| 7 | Spatial and Temporal Dynamics of T Cell Receptor Signaling with a Photoactivatable Agonist. Immunity, 2007, 27, 76-88. | 6.6 | 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. | 3.3 | 211 |
| 9 | Shouts, whispers and the kiss of death: directional secretion in T cells. Nature Immunology, 2008, 9, 1105-1111. | 7.0 | 184 |
| 10 | A cascade of protein kinase C isozymes promotes cytoskeletal polarization in T cells. Nature Immunology, 2011, 12, 647-654. | 7.0 | 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. | 6.6 | 136 |
| 12 | The T-cell-receptor signaling network. Journal of Cell Science, 2009, 122, 1269-1273. | 1.2 | 114 |
| 13 | Annular PIP3 accumulation controls actin architecture and modulates cytotoxicity at the immunological synapse. Journal of Experimental Medicine, 2013, 210, 2721-2737. | 4.2 | 113 |
| 14 | Microparticle traction force microscopy reveals subcellular force exertion patterns in immune cellâ€“target interactions. Nature Communications, 2020, 11, 20. | 5.8 | 101 |
| 15 | Interfacial actin protrusions mechanically enhance killing by cytotoxic T cells. Science Immunology, 2019, 4, . | 5.6 | 93 |
| 16 | Mechanical Communication at the Immunological Synapse. Trends in Cell Biology, 2017, 27, 241-254. | 3.6 | 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. | 3.3 | 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. | 2.4 | 77 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Retargeting T Cells to GD2 Pentasaccharide on Human Tumors Using Bispecific Humanized Antibody. Cancer Immunology Research, 2015, 3, 266-277. | 1.6 | 74 |
| 20 | HLA-independent T cell receptors for targeting tumors with low antigen density. Nature Medicine, 2022, 28, 345-352. | 15.2 | 73 |
| 21 | Diacylglycerol kinase Î± establishes T cell polarity by shaping diacylglycerol accumulation at the immunological synapse. Science Signaling, 2014, 7, ra82. | 1.6 | 72 |
| 22 | Inhibitory signaling blocks activating receptor clustering and induces cytoskeletal retraction in natural killer cells. Journal of Cell Biology, 2011, 192, 675-690. | 2.3 | 71 |
| 23 | Microtubule-organizing center polarity and the immunological synapse: protein kinase C and beyond. Frontiers in Immunology, 2012, 3, 235. | 2.2 | 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. | 3.3 | 64 |
| 25 | TCR signal strength defines distinct mechanisms of T cell dysfunction and cancer evasion. Journal of Experimental Medicine, 2022, 219, . | 4.2 | 64 |
| 26 | Cytotoxic lymphocytes target characteristic biophysical vulnerabilities in cancer. Immunity, 2021, 54, 1037-1054.e7. | 6.6 | 56 |
| 27 | Interdomain spacing and spatial configuration drive the potency of IgG-[L]-scFv T cell bispecific antibodies. Science Translational Medicine, 2020, 12, . | 5.8 | 54 |
| 28 | Cytomegalovirus Infection Drives Avidity Selection of Natural Killer Cells. Immunity, 2019, 50, 1381-1390.e5. | 6.6 | 42 |
| 29 | From lipid second messengers to molecular motors: microtubuleâ€organizing center reorientation in T cells. Immunological Reviews, 2013, 256, 95-106. | 2.8 | 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. | 2.1 | 30 |
| 31 | Actin clearance promotes polarized dynein accumulation at the immunological synapse. PLoS ONE, 2019, 14, e0210377. | 1.1 | 27 |
| 32 | Mechanically active integrins target lytic secretion at the immune synapse to facilitate cellular cytotoxicity. Nature Communications, 2022, 13, . | 5.8 | 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. | 3.3 | 23 |
| 34 | Sorting nexin 27 interactome in Tâ€lymphocytes identifies zona occludensâ€2 dynamic redistribution at the immune synapse. Traffic, 2017, 18, 491-504. | 1.3 | 18 |
| 35 | Protein Kinase C-Î¸ Clustering at Immunological Synapses Amplifies Effector Responses in NK Cells. Journal of Immunology, 2012, 189, 4859-4869. | 0.4 | 12 |
| 36 | Lipid-based patterning of the immunological synapse. Biochemical Society Transactions, 2014, 42, 1506-1511. | 1.6 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Building tolerance by dismantling synapses: inhibitory receptor signaling in natural killer cells. Immunological Reviews, 2013, 251, 143-153. | 2.8 | 11 |
| 38 | Inhibitory Receptor Signaling Destabilizes Immunological Synapse Formation in Primary NK Cells. Frontiers in Immunology, 2013, 4, 410. | 2.2 | 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. | 5.8 | 8 |
| 42 | The Variable Hinge Region of Novel PKCs Determines Localization to Distinct Regions of the Immunological Synapse. PLoS ONE, 2014, 9, e95531. | 1.1 | 8 |
| 43 | Probing Synaptic Biomechanics Using Micropillar Arrays. Methods in Molecular Biology, 2017, 1584, 333-346. | 0.4 | 7 |
| 44 | Photochemical approaches to Tâ€cell activation. Immunology, 2010, 130, 151-157. | 2.0 | 6 |
| 45 | Spatial and Temporal Control of T Cell Activation Using a Photoactivatable Agonist. Journal of Visualized Experiments, 2018, , . | 0.2 | 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. | 2.9 | 4 |
| 48 | A Generalizable Platform for the Photoactivation of Cell Surface Receptors. ACS Chemical Biology, 2015, 10, 2435-2440. | 1.6 | 3 |