Thorsten R Mempel

List of Publications by Year
in descending order

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74 papers	14,090 citations	47006 47 h-index	85541 71 g-index
75 all docs	75 docs citations	75 times ranked	20152 citing authors

#	Article	IF	Citations
1	Identification of Splenic Reservoir Monocytes and Their Deployment to Inflammatory Sites. Science, 2009, 325, 612-616.	12.6	1,806
2	T-cell priming by dendritic cells in lymph nodes occurs in three distinct phases. Nature, 2004, 427, 154-159.	27.8	1,602
3	Homing and cellular traffic in lymph nodes. Nature Reviews Immunology, 2003, 3, 867-878.	22.7	1,132
4	Subcapsular sinus macrophages in lymph nodes clear lymph-borne viruses and present them to antiviral B cells. Nature, 2007, 450, 110-114.	27.8	765
5	The Transcription Factor NFAT Promotes Exhaustion of Activated CD8 + T Cells. Immunity, 2015, 42, 265-278.	14.3	555
6	Orchestrating the orchestrators: chemokines in control of T cell traffic. Nature Immunology, 2008, 9, 970-980.	14.5	535
7	Regulatory T Cells Reversibly Suppress Cytotoxic T Cell Function Independent of Effector Differentiation. Immunity, 2006, 25, 129-141.	14.3	456
8	Visualization and tracking of tumour extracellular vesicle delivery and RNA translation using multiplexed reporters. Nature Communications, 2015, 6, 7029.	12.8	449
9	CXCR3 Chemokine Receptor-Ligand Interactions in the Lymph Node Optimize CD4+ T Helper 1 Cell Differentiation. Immunity, 2012, 37, 1091-1103.	14.3	376
10	T cell sensing of antigen dose governs interactive behavior with dendritic cells and sets a threshold for T cell activation. Nature Immunology, 2008, 9, 282-291.	14.5	375
11	Conduits Mediate Transport of Low-Molecular-Weight Antigen to Lymph Node Follicles. Immunity, 2009, 30, 264-276.	14.3	370
12	Multidimensional communication in the microenvirons of glioblastoma. Nature Reviews Neurology, 2018, 14, 482-495.	10.1	357
13	CCR7 ligands stimulate the intranodal motility of T lymphocytes in vivo. Journal of Experimental Medicine, 2007, 204, 489-495.	8.5	306
14	HIV-infected T cells are migratory vehicles for viral dissemination. Nature, 2012, 490, 283-287.	27.8	290
15	Definition of Germinal-Center B Cell Migration InÂVivo Reveals Predominant IntrazonalÂCirculationÂPatterns. Immunity, 2007, 26, 655-667.	14.3	274
16	SCS macrophages suppress melanoma by restricting tumor-derived vesicleâ€“B cell interactions. Science, 2016, 352, 242-246.	12.6	259
17	Directly visualized glioblastoma-derived extracellular vesicles transfer RNA to microglia/macrophages in the brain. Neuro-Oncology, 2016, 18, 58-69.	1.2	245
18	In vivo imaging of leukocyte trafficking in blood vessels and tissues. Current Opinion in Immunology, 2004, 16, 406-417.	5.5	212

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19	Dynamic Treg interactions with intratumoral APCs promote local CTL dysfunction. Journal of Clinical Investigation, 2014, 124, 2425-2440.	8.2	203
20	Intravital Microscopy. Immunity, 2004, 21, 315-329.	14.3	190
21	CXCR6 positions cytotoxic TÂcells to receive critical survival signals in the tumor microenvironment. Cell, 2021, 184, 4512-4530.e22.	28.9	180
22	The Transcription Factor NFAT Exhibits Signal Memory during Serial T Cell Interactions with Antigen-Presenting Cells. Immunity, 2013, 38, 237-249.	14.3	155
23	Retroviruses use CD169-mediated trans-infection of permissive lymphocytes to establish infection. Science, 2015, 350, 563-567.	12.6	155
24	The Extracellular RNA Communication Consortium: Establishing Foundational Knowledge and Technologies for Extracellular RNA Research. Cell, 2019, 177, 231-242.	28.9	152
25	Migratory DCs activate TGF-Î² to precondition naÃ¯ve CD8 ⁺ T cells for tissue-resident memory fate. Science, 2019, 366, .	12.6	149
26	Antigen Availability Determines CD8+ T Cell-Dendritic Cell Interaction Kinetics and Memory Fate Decisions. Immunity, 2013, 39, 496-507.	14.3	147
27	Targeting the CBM complex causes Treg cells to prime tumours for immune checkpoint therapy. Nature, 2019, 570, 112-116.	27.8	147
28	A central role for DOCK2 during interstitial lymphocyte motility and sphingosine-1-phosphateâ€“mediated egress. Journal of Experimental Medicine, 2007, 204, 497-510.	8.5	144
29	Consensus nomenclature for CD8⁺T cell phenotypes in cancer. OncoImmunology, 2015, 4, e998538.	4.6	119
30	Novel Small Molecule Inhibitors of TLR7 and TLR9: Mechanism of Action and Efficacy In Vivo. Molecular Pharmacology, 2014, 85, 429-440.	2.3	117
31	A single glycan on IgE is indispensable for initiation of anaphylaxis. Journal of Experimental Medicine, 2015, 212, 457-467.	8.5	111
32	InÂVivo Imaging of Tumor-Propagating Cells, Regional Tumor Heterogeneity, and Dynamic Cell Movements in Embryonal Rhabdomyosarcoma. Cancer Cell, 2012, 21, 680-693.	16.8	110
33	Behavior of Endogenous Tumor-Associated Macrophages Assessed In Vivo Using a Functionalized Nanoparticle. Neoplasia, 2009, 11, 459-IN4.	5.3	103
34	Expansion of tumor-associated Treg cells upon disruption of a CTLA-4-dependent feedback loop. Cell, 2021, 184, 3998-4015.e19.	28.9	92
35	Specific and covalent labeling of a membrane protein with organic fluorochromes and quantum dots. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 14753-14758.	7.1	83
36	Visualization of Leukocyte Transendothelial and Interstitial Migration Using Reflected Light Oblique Transillumination in Intravital Video Microscopy. Journal of Vascular Research, 2003, 40, 435-441.	1.4	81

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37	T cells armed with C-X-C chemokine receptor type 6 enhance adoptive cell therapy for pancreatic tumours. Nature Biomedical Engineering, 2021, 5, 1246-1260.	22.5	80
38	Complement C5a receptor is the key initiator of neutrophil adhesion igniting immune complexâ€“induced arthritis. Science Immunology, 2017, 2, .	11.9	78
39	Adding new dimensions: towards an integrative understanding of HIV-1 spread. Nature Reviews Microbiology, 2014, 12, 563-574.	28.6	66
40	Rulers over Randomness: Stroma Cells Guide Lymphocyte Migration in Lymph Nodes. Immunity, 2006, 25, 867-869.	14.3	60
41	T cell-intrinsic S1PR1 regulates endogenous effector T-cell egress dynamics from lymph nodes during infection. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2182-2187.	7.1	60
42	A Novel Endothelial L-Selectin Ligand Activity in Lymph Node Medulla That Is Regulated by Î±(1,3)-Fucosyltransferase-IV. Journal of Experimental Medicine, 2003, 198, 1301-1312.	8.5	59
43	A Near-Infrared Cell Tracker Reagent for Multiscopic In Vivo Imaging and Quantification of Leukocyte Immune Responses. PLoS ONE, 2007, 2, e1075.	2.5	59
44	Inhibition of CDK4/6 Promotes CD8 T-cell Memory Formation. Cancer Discovery, 2021, 11, 2564-2581.	9.4	58
45	HIV-1-Induced Small T Cell Syncytia Can Transfer Virus Particles to Target Cells through Transient Contacts. Viruses, 2015, 7, 6590-6603.	3.3	56
46	Bone degradation machinery of osteoclasts: An HIV-1 target that contributes to bone loss. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E2556-E2565.	7.1	56
47	Combined tumor-directed recruitment and protection from immune suppression enable CAR T cell efficacy in solid tumors. Science Advances, 2021, 7, .	10.3	56
48	Behavioural immune landscapes of inflammation. Nature, 2022, 601, 415-421.	27.8	53
49	The fate of autoreactive, GFP+ T cells in rat models of uveitis analyzed by intravital fluorescence microscopy and FACS. International Immunology, 2004, 16, 1573-1582.	4.0	49
50	In Vivo Imaging of T Cell PrimingA presentation from the 11th Joint Meeting of the Signal Transduction Society (STS), Signal Transduction: Receptors, Mediators and Genes, Weimar, Germany, 1 to 3 November 2007.. Science Signaling, 2008, 1, pt2.	3.6	49
51	Regulation of T-cell migration and effector functions: insights from in vivo imaging studies. Immunological Reviews, 2008, 221, 107-129.	6.0	47
52	Multi-photon microscopy with a low-cost and highly efficient Cr:LiCAF laser. Optics Express, 2008, 16, 20848.	3.4	46
53	B cell acquisition of antigen in vivo. Current Opinion in Immunology, 2009, 21, 251-257.	5.5	39
54	Uncoupling CD21 and CD19 of the B-cell coreceptor. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 14490-14495.	7.1	35

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55	CXCL10 chemokine regulates heterogeneity of the CD8+ TÂcell response and viral set point during chronic infection. Immunity, 2022, 55, 82-97.e8.	14.3	33
56	Atypical complement receptor C5aR2 transports C5a to initiate neutrophil adhesion and inflammation. Science Immunology, 2019, 4, .	11.9	31
57	DOCK8 enforces immunological tolerance by promoting IL-2 signaling and immune synapse formation in Tregs. JCI Insight, 2017, 2, .	5.0	31
58	Intravital imaging of CD8+ T cell function in cancer. Clinical and Experimental Metastasis, 2009, 26, 311-327.	3.3	26
59	Guidance factors orchestrating regulatory T cell positioning in tissues during development, homeostasis, and response. Immunological Reviews, 2019, 289, 129-141.	6.0	24
60	HIV-1 Balances the Fitness Costs and Benefits of Disrupting the Host Cell Actin Cytoskeleton Early after Mucosal Transmission. Cell Host and Microbe, 2019, 25, 73-86.e5.	11.0	22
61	B Cells Drive Autoimmunity in Mice with CD28-Deficient Regulatory T Cells. Journal of Immunology, 2017, 199, 3972-3980.	0.8	21
62	Tumor Toleranceâ€"Promoting Function of Regulatory T Cells Is Optimized by CD28, but Strictly Dependent on Calcineurin. Journal of Immunology, 2018, 200, 3647-3661.	0.8	17
63	Chemoattractant-mediated leukocyte trafficking enables HIV dissemination from the genital mucosa. JCI Insight, 2017, 2, e88533.	5.0	15
64	Intravital Microscopy in BLT-Humanized Mice to Study Cellular Dynamics in HIV Infection. Journal of Infectious Diseases, 2013, 208, S137-S144.	4.0	13
65	Microfluidic platform to evaluate migration of cells from patients with DYT1 dystonia. Journal of Neuroscience Methods, 2014, 232, 181-188.	2.5	13
66	Leukocyte Tracking Database, a collection of immune cell tracks from intravital 2-photon microscopy videos. Scientific Data, 2018, 5, 180129.	5.3	13
67	Large Syncytia in Lymph Nodes Induced by CCR5-Tropic HIV-1. AIDS Research and Human Retroviruses, 2015, 31, 471-472.	1.1	7
68	Visualizing the Behavior of HIV-Infected T Cells In Vivo Using Multiphoton Intravital Microscopy. Methods in Molecular Biology, 2016, 1354, 189-201.	0.9	6
69	PEG-Like Nanoprobes: Multimodal, Pharmacokinetically and Optically Tunable Nanomaterials. PLoS ONE, 2014, 9, e95406.	2.5	3
70	Cancer cells relax and resist cytotoxic attack. Immunity, 2021, 54, 853-855.	14.3	3
71	In the right place at the right time. Nature, 2015, 528, 205-206.	27.8	2
72	CD44 Keeps Tumor Killers Polarized. Immunity, 2008, 29, 843-845.	14.3	1

#	Article	IF	Citations
73	Intravital Microscopy. , 2021, , 167-192.		1
74	The Lymph Node Niche.. Blood, 2009, 114, SCI-51-SCI-51.	1.4	0