

Thorsten R Mempel

List of Publications by Year in descending order

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74
papers

14,090
citations

46918

47
h-index

85405

71
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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. <i>Science</i> , 2009, 325, 612-616.	6.0	1,806
2	T-cell priming by dendritic cells in lymph nodes occurs in three distinct phases. <i>Nature</i> , 2004, 427, 154-159.	13.7	1,602
3	Homing and cellular traffic in lymph nodes. <i>Nature Reviews Immunology</i> , 2003, 3, 867-878.	10.6	1,132
4	Subcapsular sinus macrophages in lymph nodes clear lymph-borne viruses and present them to antiviral B cells. <i>Nature</i> , 2007, 450, 110-114.	13.7	765
5	The Transcription Factor NFAT Promotes Exhaustion of Activated CD8 + T Cells. <i>Immunity</i> , 2015, 42, 265-278.	6.6	555
6	Orchestrating the orchestrators: chemokines in control of T cell traffic. <i>Nature Immunology</i> , 2008, 9, 970-980.	7.0	535
7	Regulatory T Cells Reversibly Suppress Cytotoxic T Cell Function Independent of Effector Differentiation. <i>Immunity</i> , 2006, 25, 129-141.	6.6	456
8	Visualization and tracking of tumour extracellular vesicle delivery and RNA translation using multiplexed reporters. <i>Nature Communications</i> , 2015, 6, 7029.	5.8	449
9	CXCR3 Chemokine Receptor-Ligand Interactions in the Lymph Node Optimize CD4+ T Helper 1 Cell Differentiation. <i>Immunity</i> , 2012, 37, 1091-1103.	6.6	376
10	T cell sensing of antigen dose governs interactive behavior with dendritic cells and sets a threshold for T cell activation. <i>Nature Immunology</i> , 2008, 9, 282-291.	7.0	375
11	Conduits Mediate Transport of Low-Molecular-Weight Antigen to Lymph Node Follicles. <i>Immunity</i> , 2009, 30, 264-276.	6.6	370
12	Multidimensional communication in the microenvirons of glioblastoma. <i>Nature Reviews Neurology</i> , 2018, 14, 482-495.	4.9	357
13	CCR7 ligands stimulate the intranodal motility of T lymphocytes in vivo. <i>Journal of Experimental Medicine</i> , 2007, 204, 489-495.	4.2	306
14	HIV-infected T cells are migratory vehicles for viral dissemination. <i>Nature</i> , 2012, 490, 283-287.	13.7	290
15	Definition of Germinal-Center B Cell Migration In Vivo Reveals Predominant Intrazonal Circulation Patterns. <i>Immunity</i> , 2007, 26, 655-667.	6.6	274
16	SCS macrophages suppress melanoma by restricting tumor-derived vesicle-B cell interactions. <i>Science</i> , 2016, 352, 242-246.	6.0	259
17	Directly visualized glioblastoma-derived extracellular vesicles transfer RNA to microglia/macrophages in the brain. <i>Neuro-Oncology</i> , 2016, 18, 58-69.	0.6	245
18	In vivo imaging of leukocyte trafficking in blood vessels and tissues. <i>Current Opinion in Immunology</i> , 2004, 16, 406-417.	2.4	212

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19	Dynamic Treg interactions with intratumoral APCs promote local CTL dysfunction. <i>Journal of Clinical Investigation</i> , 2014, 124, 2425-2440.	3.9	203
20	Intravital Microscopy. <i>Immunity</i> , 2004, 21, 315-329.	6.6	190
21	CXCR6 positions cytotoxic T cells to receive critical survival signals in the tumor microenvironment. <i>Cell</i> , 2021, 184, 4512-4530.e22.	13.5	180
22	The Transcription Factor NFAT Exhibits Signal Memory during Serial T Cell Interactions with Antigen-Presenting Cells. <i>Immunity</i> , 2013, 38, 237-249.	6.6	155
23	Retroviruses use CD169-mediated trans-infection of permissive lymphocytes to establish infection. <i>Science</i> , 2015, 350, 563-567.	6.0	155
24	The Extracellular RNA Communication Consortium: Establishing Foundational Knowledge and Technologies for Extracellular RNA Research. <i>Cell</i> , 2019, 177, 231-242.	13.5	152
25	Migratory DCs activate TGF- β 2 to precondition naive CD8 ⁺ T cells for tissue-resident memory fate. <i>Science</i> , 2019, 366, .	6.0	149
26	Antigen Availability Determines CD8 ⁺ T Cell-Dendritic Cell Interaction Kinetics and Memory Fate Decisions. <i>Immunity</i> , 2013, 39, 496-507.	6.6	147
27	Targeting the CBM complex causes Treg cells to prime tumours for immune checkpoint therapy. <i>Nature</i> , 2019, 570, 112-116.	13.7	147
28	A central role for DOCK2 during interstitial lymphocyte motility and sphingosine-1-phosphate-mediated egress. <i>Journal of Experimental Medicine</i> , 2007, 204, 497-510.	4.2	144
29	Consensus nomenclature for CD8 ⁺ T cell phenotypes in cancer. <i>Oncolmmunology</i> , 2015, 4, e998538.	2.1	119
30	Novel Small Molecule Inhibitors of TLR7 and TLR9: Mechanism of Action and Efficacy In Vivo. <i>Molecular Pharmacology</i> , 2014, 85, 429-440.	1.0	117
31	A single glycan on IgE is indispensable for initiation of anaphylaxis. <i>Journal of Experimental Medicine</i> , 2015, 212, 457-467.	4.2	111
32	In Vivo Imaging of Tumor-Propagating Cells, Regional Tumor Heterogeneity, and Dynamic Cell Movements in Embryonal Rhabdomyosarcoma. <i>Cancer Cell</i> , 2012, 21, 680-693.	7.7	110
33	Behavior of Endogenous Tumor-Associated Macrophages Assessed In Vivo Using a Functionalized Nanoparticle. <i>Neoplasia</i> , 2009, 11, 459-IN4.	2.3	103
34	Expansion of tumor-associated Treg cells upon disruption of a CTLA-4-dependent feedback loop. <i>Cell</i> , 2021, 184, 3998-4015.e19.	13.5	92
35	Specific and covalent labeling of a membrane protein with organic fluorochromes and quantum dots. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 14753-14758.	3.3	83
36	Visualization of Leukocyte Transendothelial and Interstitial Migration Using Reflected Light Oblique Transillumination in Intravital Video Microscopy. <i>Journal of Vascular Research</i> , 2003, 40, 435-441.	0.6	81

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37	T cells armed with C-X-C chemokine receptor type 6 enhance adoptive cell therapy for pancreatic tumours. <i>Nature Biomedical Engineering</i> , 2021, 5, 1246-1260.	11.6	80
38	Complement C5a receptor is the key initiator of neutrophil adhesion igniting immune complex α induced arthritis. <i>Science Immunology</i> , 2017, 2, .	5.6	78
39	Adding new dimensions: towards an integrative understanding of HIV-1 spread. <i>Nature Reviews Microbiology</i> , 2014, 12, 563-574.	13.6	66
40	Rulers over Randomness: Stroma Cells Guide Lymphocyte Migration in Lymph Nodes. <i>Immunity</i> , 2006, 25, 867-869.	6.6	60
41	T cell-intrinsic S1PR1 regulates endogenous effector T-cell egress dynamics from lymph nodes during infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 2182-2187.	3.3	60
42	A Novel Endothelial L-Selectin Ligand Activity in Lymph Node Medulla That Is Regulated by α (1,3)-Fucosyltransferase-IV. <i>Journal of Experimental Medicine</i> , 2003, 198, 1301-1312.	4.2	59
43	A Near-Infrared Cell Tracker Reagent for Multiscopic In Vivo Imaging and Quantification of Leukocyte Immune Responses. <i>PLoS ONE</i> , 2007, 2, e1075.	1.1	59
44	Inhibition of CDK4/6 Promotes CD8 T-cell Memory Formation. <i>Cancer Discovery</i> , 2021, 11, 2564-2581.	7.7	58
45	HIV-1-Induced Small T Cell Syncytia Can Transfer Virus Particles to Target Cells through Transient Contacts. <i>Viruses</i> , 2015, 7, 6590-6603.	1.5	56
46	Bone degradation machinery of osteoclasts: An HIV-1 target that contributes to bone loss. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E2556-E2565.	3.3	56
47	Combined tumor-directed recruitment and protection from immune suppression enable CAR T cell efficacy in solid tumors. <i>Science Advances</i> , 2021, 7, .	4.7	56
48	Behavioural immune landscapes of inflammation. <i>Nature</i> , 2022, 601, 415-421.	13.7	53
49	The fate of autoreactive, GFP+ T cells in rat models of uveitis analyzed by intravital fluorescence microscopy and FACS. <i>International Immunology</i> , 2004, 16, 1573-1582.	1.8	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.. <i>Science Signaling</i> , 2008, 1, pt2.	1.6	49
51	Regulation of T-cell migration and effector functions: insights from in vivo imaging studies. <i>Immunological Reviews</i> , 2008, 221, 107-129.	2.8	47
52	Multi-photon microscopy with a low-cost and highly efficient Cr:LiCAF laser. <i>Optics Express</i> , 2008, 16, 20848.	1.7	46
53	B cell acquisition of antigen in vivo. <i>Current Opinion in Immunology</i> , 2009, 21, 251-257.	2.4	39
54	Uncoupling CD21 and CD19 of the B-cell coreceptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 14490-14495.	3.3	35

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55	CXCL10 chemokine regulates heterogeneity of the CD8+ T cell response and viral set point during chronic infection. <i>Immunity</i> , 2022, 55, 82-97.e8.	6.6	33
56	Atypical complement receptor C5aR2 transports C5a to initiate neutrophil adhesion and inflammation. <i>Science Immunology</i> , 2019, 4, .	5.6	31
57	DOCK8 enforces immunological tolerance by promoting IL-2 signaling and immune synapse formation in Tregs. <i>JCI Insight</i> , 2017, 2, .	2.3	31
58	Intravital imaging of CD8+ T cell function in cancer. <i>Clinical and Experimental Metastasis</i> , 2009, 26, 311-327.	1.7	26
59	Guidance factors orchestrating regulatory T cell positioning in tissues during development, homeostasis, and response. <i>Immunological Reviews</i> , 2019, 289, 129-141.	2.8	24
60	HIV-1 Balances the Fitness Costs and Benefits of Disrupting the Host Cell Actin Cytoskeleton Early after Mucosal Transmission. <i>Cell Host and Microbe</i> , 2019, 25, 73-86.e5.	5.1	22
61	B Cells Drive Autoimmunity in Mice with CD28-Deficient Regulatory T Cells. <i>Journal of Immunology</i> , 2017, 199, 3972-3980.	0.4	21
62	Tumor Tolerance—Promoting Function of Regulatory T Cells Is Optimized by CD28, but Strictly Dependent on Calcineurin. <i>Journal of Immunology</i> , 2018, 200, 3647-3661.	0.4	17
63	Chemoattractant-mediated leukocyte trafficking enables HIV dissemination from the genital mucosa. <i>JCI Insight</i> , 2017, 2, e88533.	2.3	15
64	Intravital Microscopy in BLT-Humanized Mice to Study Cellular Dynamics in HIV Infection. <i>Journal of Infectious Diseases</i> , 2013, 208, S137-S144.	1.9	13
65	Microfluidic platform to evaluate migration of cells from patients with DYT1 dystonia. <i>Journal of Neuroscience Methods</i> , 2014, 232, 181-188.	1.3	13
66	Leukocyte Tracking Database, a collection of immune cell tracks from intravital 2-photon microscopy videos. <i>Scientific Data</i> , 2018, 5, 180129.	2.4	13
67	Large Syncytia in Lymph Nodes Induced by CCR5-Tropic HIV-1. <i>AIDS Research and Human Retroviruses</i> , 2015, 31, 471-472.	0.5	7
68	Visualizing the Behavior of HIV-Infected T Cells In Vivo Using Multiphoton Intravital Microscopy. <i>Methods in Molecular Biology</i> , 2016, 1354, 189-201.	0.4	6
69	PEG-Like Nanoprobes: Multimodal, Pharmacokinetically and Optically Tunable Nanomaterials. <i>PLoS ONE</i> , 2014, 9, e95406.	1.1	3
70	Cancer cells relax and resist cytotoxic attack. <i>Immunity</i> , 2021, 54, 853-855.	6.6	3
71	In the right place at the right time. <i>Nature</i> , 2015, 528, 205-206.	13.7	2
72	CD44 Keeps Tumor Killers Polarized. <i>Immunity</i> , 2008, 29, 843-845.	6.6	1

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73	Intravital Microscopy., 2021, , 167-192.		1
74	The Lymph Node Niche.. Blood, 2009, 114, SCI-51-SCI-51.	0.6	0