

# Jens V Stein

## List of Publications by Year in descending order

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Version: 2024-02-01

98  
papers

6,341  
citations

66234

42  
h-index

69108

77  
g-index

105  
all docs

105  
docs citations

105  
times ranked

9348  
citing authors

#	ARTICLE	IF	CITATIONS
1	CD169 <sup>+</sup> macrophages in lymph node and spleen critically depend on dual RANK and LTbetaR signaling. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	11
2	Ibrutinib Does Not Impact CCR7-Mediated Homeostatic Migration in T-Cells from Chronic Lymphocytic Leukemia Patients. Cancers, 2022, 14, 2729.	1.7	1
3	Microbial uptake in oral mucosa <sup>+</sup> draining lymph nodes leads to rapid release of cytotoxic CD8 <sup>+</sup> T cells lacking a gut-homing phenotype. Science Immunology, 2022, 7, .	5.6	6
4	Multitier mechanics control stromal adaptations in the swelling lymph node. Nature Immunology, 2022, 23, 1246-1255.	7.0	19
5	The Dual Role of High Endothelial Venules in Cancer Progression versus Immunity. Trends in Cancer, 2021, 7, 214-225.	3.8	28
6	Immune synapse instructs epigenomic and transcriptomic functional reprogramming in dendritic cells. Science Advances, 2021, 7, .	4.7	10
7	Organ-Specific Surveillance and Long-Term Residency Strategies Adapted by Tissue-Resident Memory CD8 <sup>+</sup> T Cells. Frontiers in Immunology, 2021, 12, 626019.	2.2	5
8	Dendritic cell actin dynamics control contact duration and priming efficiency at the immunological synapse. Journal of Cell Biology, 2021, 220, .	2.3	25
9	The Tec Kinase Itk Integrates Na <sup>+</sup> ve T Cell Migration and In Vivo Homeostasis. Frontiers in Immunology, 2021, 12, 716405.	2.2	5
10	Simulating CXCR5 Dynamics in Complex Tissue Microenvironments. Frontiers in Immunology, 2021, 12, 703088.	2.2	0
11	B cell zone reticular cell microenvironments shape CXCL13 gradient formation. Nature Communications, 2020, 11, 3677.	5.8	52
12	3D imaging of undissected optically cleared Anopheles stephensi mosquitoes and midguts infected with Plasmodium parasites. PLoS ONE, 2020, 15, e0238134.	1.1	8
13	Dynamic spherical harmonics approach for shape classification of migrating cells. Scientific Reports, 2020, 10, 6072.	1.6	28
14	Salivary gland macrophages and tissue-resident CD8 <sup>+</sup> T cells cooperate for homeostatic organ surveillance. Science Immunology, 2020, 5, .	5.6	57
15	Title is missing!. , 2020, 15, e0238134.		0
16	Title is missing!. , 2020, 15, e0238134.		0
17	Title is missing!. , 2020, 15, e0238134.		0
18	Title is missing!. , 2020, 15, e0238134.		0

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19	VLA-4 mediated adhesion of melanoma cells on the blood-brain barrier is the critical cue for melanoma cell intercalation and barrier disruption. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 1995-2010.	2.4	13
20	In Vivo Function of the Lipid Raft Protein Flotillin-1 during CD8+ T Cell-Mediated Host Surveillance. <i>Journal of Immunology</i> , 2019, 203, 2377-2387.	0.4	14
21	Initial Viral Inoculum Determines Kinapse-and Synapse-Like T Cell Motility in Reactive Lymph Nodes. <i>Frontiers in Immunology</i> , 2019, 10, 2086.	2.2	6
22	A network of trans-cortical capillaries as mainstay for blood circulation in long bones. <i>Nature Metabolism</i> , 2019, 1, 236-250.	5.1	221
23	T cells loaded with magnetic nanoparticles are retained in peripheral lymph nodes by the application of a magnetic field. <i>Journal of Nanobiotechnology</i> , 2019, 17, 14.	4.2	54
24	Vaccination with nanoparticles combined with micro-adjuvants protects against cancer. , 2019, 7, 114.		41
25	Regulation of global CD8 <sup>+</sup> T cell positioning by the actomyosin cytoskeleton. <i>Immunological Reviews</i> , 2019, 289, 232-249.	2.8	4
26	Toolbox for In Vivo Imaging of Host-Parasite Interactions at Multiple Scales. <i>Trends in Parasitology</i> , 2019, 35, 193-212.	1.5	12
27	Influenza Vaccination Induces NK-Cell-Mediated Type-II IFN Response that Regulates Humoral Immunity in an IL-6-Dependent Manner. <i>Cell Reports</i> , 2019, 26, 2307-2315.e5.	2.9	51
28	Intercellular Adhesion Molecule-1 (ICAM-1) and ICAM-2 Differentially Contribute to Peripheral Activation and CNS Entry of Autoaggressive Th1 and Th17 Cells in Experimental Autoimmune Encephalomyelitis. <i>Frontiers in Immunology</i> , 2019, 10, 3056.	2.2	40
29	Lymph node blood vessels provide exit routes for metastatic tumor cell dissemination in mice. <i>Science</i> , 2018, 359, 1408-1411.	6.0	304
30	TNF $\pm$ blockade mediates bone protection in antigen-induced arthritis by reducing osteoclast precursor supply. <i>Bone</i> , 2018, 107, 56-65.	1.4	8
31	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
32	HIV-1 Nef Disrupts CD4+ T Lymphocyte Polarity, Extravasation, and Homing to Lymph Nodes via Its Nef-Associated Kinase Complex Interface. <i>Journal of Immunology</i> , 2018, 201, 2731-2743.	0.4	11
33	Fam65b Phosphorylation Relieves Tonic RhoA Inhibition During T Cell Migration. <i>Frontiers in Immunology</i> , 2018, 9, 2001.	2.2	20
34	Oral Versus Intragastric Inoculation: Similar Pathways of <i>Trypanosoma cruzi</i> Experimental Infection? From Target Tissues, Parasite Evasion, and Immune Response. <i>Frontiers in Immunology</i> , 2018, 9, 1734.	2.2	10
35	Preparation of Murine Submandibular Salivary Gland for Upright Intravital Microscopy. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	4
36	Chemokines and integrins independently tune actin flow and substrate friction during intranodal migration of T cells. <i>Nature Immunology</i> , 2018, 19, 606-616.	7.0	96

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37	The Rho regulator Myosin IXb enables nonlymphoid tissue seeding of protective CD8+ T cells. <i>Journal of Experimental Medicine</i> , 2018, 215, 1869-1890.	4.2	22
38	Dynamic intravital imaging of cell-cell interactions in the lymph node. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 12-20.	1.5	40
39	Delivering adjuvants and antigens in separate nanoparticles eliminates the need of physical linkage for effective vaccination. <i>Journal of Controlled Release</i> , 2017, 251, 92-100.	4.8	69
40	Antigen Availability and DOCK2-Driven Motility Govern CD4+ T Cell Interactions with Dendritic Cells In Vivo. <i>Journal of Immunology</i> , 2017, 199, 520-530.	0.4	21
41	A minimum number of autoimmune T cells to induce autoimmunity?. <i>Cellular Immunology</i> , 2017, 316, 21-31.	1.4	12
42	A Novel Cervical Spinal Cord Window Preparation Allows for Two-Photon Imaging of T-Cell Interactions with the Cervical Spinal Cord Microvasculature during Experimental Autoimmune Encephalomyelitis. <i>Frontiers in Immunology</i> , 2017, 8, 406.	2.2	56
43	Topological Small-World Organization of the Fibroblastic Reticular Cell Network Determines Lymph Node Functionality. <i>PLoS Biology</i> , 2016, 14, e1002515.	2.6	96
44	Basic Rules of T Cell Migration. <i>Resistance To Targeted Anti-cancer Therapeutics</i> , 2016, , 1-19.	0.1	3
45	Real-time tissue offset correction system for intravital multiphoton microscopy. <i>Journal of Immunological Methods</i> , 2016, 438, 35-41.	0.6	45
46	WNK1 kinase balances T cell adhesion versus migration in vivo. <i>Nature Immunology</i> , 2016, 17, 1075-1083.	7.0	54
47	pMHC affinity controls duration of CD8+ T cell-DC interactions and imprints timing of effector differentiation versus expansion. <i>Journal of Experimental Medicine</i> , 2016, 213, 2811-2829.	4.2	101
48	Light sheet fluorescence microscopy for in situ cell interaction analysis in mouse lymph nodes. <i>Journal of Immunological Methods</i> , 2016, 431, 1-10.	0.6	27
49	Mouse mesenchymal stem cells inhibit high endothelial cell activation and lymphocyte homing to lymph nodes by releasing TIMP-1. <i>Leukemia</i> , 2016, 30, 1143-1154.	3.3	79
50	Efficient T cell priming and activation requires signaling through prostaglandin E2 (EP) receptors. <i>Immunology and Cell Biology</i> , 2016, 94, 39-51.	1.0	15
51	In vivo TCR Signaling in CD4+ T Cells Imprints a Cell-Intrinsic, Transient Low-Motility Pattern Independent of Chemokine Receptor Expression Levels, or Microtubular Network, Integrin, and Protein Kinase C Activity. <i>Frontiers in Immunology</i> , 2015, 6, 297.	2.2	14
52	T Cell Motility as Modulator of Interactions with Dendritic Cells. <i>Frontiers in Immunology</i> , 2015, 6, 559.	2.2	7
53	Intravital and Whole-Organ Imaging Reveals Capture of Melanoma-Derived Antigen by Lymph Node Subcapsular Macrophages Leading to Widespread Deposition on Follicular Dendritic Cells. <i>Frontiers in Immunology</i> , 2015, 6, 114.	2.2	36
54	The outer mucus layer hosts a distinct intestinal microbial niche. <i>Nature Communications</i> , 2015, 6, 8292.	5.8	390

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55	The kinases NDR1/2 act downstream of the Hippo homolog MST1 to mediate both egress of thymocytes from the thymus and lymphocyte motility. <i>Science Signaling</i> , 2015, 8, ra100.	1.6	63
56	Thromboxane A2 acts as tonic immunoregulator by preferential disruption of low-avidity CD4+ T cell–dendritic cell interactions. <i>Journal of Experimental Medicine</i> , 2014, 211, 2507-2517.	4.2	61
57	The chemokine receptors <scp>ACKR</scp> 2 and <scp>CCR</scp> 2 reciprocally regulate lymphatic vessel density. <i>EMBO Journal</i> , 2014, 33, 2564-2580.	3.5	65
58	OPTiSPIM: integrating optical projection tomography in light sheet microscopy extends specimen characterization to nonfluorescent contrasts. <i>Optics Letters</i> , 2014, 39, 1053.	1.7	44
59	Sensory innervation of the dorsal longitudinal ligament and the meninges in the lumbar spine of the dog. <i>Histochemistry and Cell Biology</i> , 2014, 142, 433-447.	0.8	5
60	Lymph Node Stromal Cells Negatively Regulate Antigen-Specific CD4+ T Cell Responses. <i>Journal of Immunology</i> , 2014, 193, 1636-1644.	0.4	54
61	Automated Recovery of the Center of Rotation in Optical Projection Tomography in the Presence of Scattering. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2013, 17, 198-204.	3.9	31
62	Naive B-cell trafficking is shaped by local chemokine availability and LFA-1–independent stromal interactions. <i>Blood</i> , 2013, 121, 4101-4109.	0.6	32
63	Endothelial cell–specific lymphotoxin- $\beta$ receptor signaling is critical for lymph node and high endothelial venule formation. <i>Journal of Experimental Medicine</i> , 2013, 210, 465-473.	4.2	135
64	Janus kinases 1 and 2 regulate chemokine–mediated integrin activation and naive T cell homing. <i>European Journal of Immunology</i> , 2013, 43, 1745-1757.	1.6	9
65	Maturation of Lymph Node Fibroblastic Reticular Cells from Myofibroblastic Precursors Is Critical for Antiviral Immunity. <i>Immunity</i> , 2013, 38, 1013-1024.	6.6	219
66	Comprehensive assessment of quantum dots for multispectral twophoton imaging of dynamic leukocyte migration in lymph nodes. <i>Intravital</i> , 2013, 2, e25745.	2.0	2
67	Optical projection tomography reveals dynamics of HEV growth after immunization with protein plus CFA and features shared with HEVs in acute autoinflammatory lymphadenopathy. <i>Frontiers in Immunology</i> , 2012, 3, 282.	2.2	39
68	Quantitative Measurements in 3-Dimensional Datasets of Mouse Lymph Nodes Resolve Organ-Wide Functional Dependencies. <i>Computational and Mathematical Methods in Medicine</i> , 2012, 2012, 1-8.	0.7	16
69	HIV-1 Nef interferes with T-lymphocyte circulation through confined environments in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 18541-18546.	3.3	63
70	A global –imaging–™™ view on systems approaches in immunology. <i>European Journal of Immunology</i> , 2012, 42, 3116-3125.	1.6	32
71	Paracrine effects of mesenchymal stem cells enhance vascular regeneration in ischemic murine skin. <i>Microvascular Research</i> , 2012, 83, 267-275.	1.1	86
72	DOCK8 is a Cdc42 activator critical for interstitial dendritic cell migration during immune responses. <i>Blood</i> , 2012, 119, 4451-4461.	0.6	200

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73	CD69 Modulates Sphingosine-1-Phosphate-Induced Migration of Skin Dendritic Cells. <i>Journal of Investigative Dermatology</i> , 2011, 131, 1503-1512.	0.3	43
74	Morphology and Hemodynamics during Vascular Regeneration in Critically Ischemic Murine Skin Studied by Intravital Microscopy Techniques. <i>European Surgical Research</i> , 2011, 47, 222-230.	0.6	10
75	In Vivo Analysis of Uropod Function during Physiological T Cell Trafficking. <i>Journal of Immunology</i> , 2011, 187, 2356-2364.	0.4	68
76	Development of Lymph Node Circulation and Homing Mechanisms. , 2011, , 75-94.		1
77	Global lymphoid tissue remodeling during a viral infection is orchestrated by a B cell lymphotoxin-dependent pathway. <i>Blood</i> , 2010, 115, 4725-4733.	0.6	136
78	Critical roles for Rac GTPases in T-cell migration to and within lymph nodes. <i>Blood</i> , 2010, 116, 5536-5547.	0.6	85
79	Comprehensive analysis of lymph node stroma-expressed Ig superfamily members reveals redundant and nonredundant roles for ICAM-1, ICAM-2, and VCAM-1 in lymphocyte homing. <i>Blood</i> , 2010, 116, 915-925.	0.6	95
80	How to be Naive. <i>Immunity</i> , 2009, 31, 9-11.	6.6	2
81	CCL21 mediates CD4+ T-cell costimulation via a DOCK2/Rac-dependent pathway. <i>Blood</i> , 2009, 114, 580-588.	0.6	74
82	Close encounters of the 3D kind. <i>Blood</i> , 2009, 113, 5698-5699.	0.6	1
83	Distinct molecular composition of blood and lymphatic vascular endothelial cell junctions establishes specific functional barriers within the peripheral lymph node. <i>European Journal of Immunology</i> , 2008, 38, 2142-2155.	1.6	87
84	How chemokines invite leukocytes to dance. <i>Nature Immunology</i> , 2008, 9, 953-959.	7.0	305
85	Statins Induce Regulatory T Cell Recruitment via a CCL1 Dependent Pathway. <i>Journal of Immunology</i> , 2008, 181, 3524-3534.	0.4	81
86	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
87	L-selectin-negative CCR7 <sup>hi</sup> effector and memory CD8 <sup>+</sup> T cells enter reactive lymph nodes and kill dendritic cells. <i>Nature Immunology</i> , 2007, 8, 743-752.	7.0	183
88	Intravital Microscopy and In Vitro Flow Chamber: Techniques to Study Leukocyte Adhesion Under Flow and in Real Time. , 2006, , 455-471.		0
89	DOCK2 is Required for Chemokine-Promoted Human T Lymphocyte Adhesion Under Shear Stress Mediated by the Integrin $\alpha 4 \beta 1$ . <i>Journal of Immunology</i> , 2006, 177, 5215-5225.	0.4	42
90	Chemokine control of lymphocyte trafficking: a general overview. <i>Immunology</i> , 2005, 116, 1-12.	2.0	213

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91	Vav1 and Rac Control Chemokine-promoted T Lymphocyte Adhesion Mediated by the Integrin $\alpha 4 \beta 1$ . Molecular Biology of the Cell, 2005, 16, 3223-3235.	0.9	89
92	CXCL12 Mediates CCR7-independent Homing of Central Memory Cells, But Not Naive T Cells, in Peripheral Lymph Nodes. Journal of Experimental Medicine, 2004, 199, 1113-1120.	4.2	110
93	Differential Requirements for DOCK2 and Phosphoinositide-3-Kinase $\hat{1}^3$ during T and B Lymphocyte Homing. Immunity, 2004, 21, 429-441.	6.6	219
94	CCR7-mediated physiological lymphocyte homing involves activation of a tyrosine kinase pathway. Blood, 2003, 101, 38-44.	0.6	80
95	DOCK2 regulates Rac activation and cytoskeletal reorganization through interaction with ELMO1. Blood, 2003, 102, 2948-2950.	0.6	107
96	APRIL modulates B and T cell immunity. Journal of Clinical Investigation, 2002, 109, 1587-1598.	3.9	216
97	The Cc Chemokine Thymus-Derived Chemotactic Agent 4 (Tca-4, Secondary Lymphoid Tissue Chemokine,) Tj ETQq1 1 0.784314 rgBT Lymphocytes in Peripheral Lymph Node High Endothelial Venules. Journal of Experimental Medicine, 2000, 191, 61-76.	4.2	406
98	L-selectin-mediated Leukocyte Adhesion In Vivo: Microvillous Distribution Determines Tethering Efficiency, But Not Rolling Velocity. Journal of Experimental Medicine, 1999, 189, 37-50.	4.2	109