

Anja Erika Hauser

List of Publications by Year in descending order

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Version: 2024-02-01

87
papers

7,661
citations

117571

34
h-index

54882

84
g-index

98
all docs

98
docs citations

98
times ranked

12622
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). European Journal of Immunology, 2019, 49, 1457-1973.	1.6	766
2	Control of TH17 cells occurs in the small intestine. Nature, 2011, 475, 514-518.	13.7	567
3	Guidelines for the use of flow cytometry and cell sorting in immunological studies [*] . European Journal of Immunology, 2017, 47, 1584-1797.	1.6	505
4	MAINTENANCE OF SERUM ANTIBODY LEVELS. Annual Review of Immunology, 2005, 23, 367-386.	9.5	478
5	Plasma Cell Survival Is Mediated by Synergistic Effects of Cytokines and Adhesion-Dependent Signals. Journal of Immunology, 2003, 171, 1684-1690.	0.4	427
6	Short-lived Plasmablasts and Long-lived Plasma Cells Contribute to Chronic Humoral Autoimmunity in NZB/W Mice. Journal of Experimental Medicine, 2004, 199, 1577-1584.	4.2	399
7	Chemotactic Responsiveness Toward Ligands for CXCR3 and CXCR4 Is Regulated on Plasma Blasts During the Time Course of a Memory Immune Response. Journal of Immunology, 2002, 169, 1277-1282.	0.4	323
8	Long-lived autoreactive plasma cells drive persistent autoimmune inflammation. Nature Reviews Rheumatology, 2011, 7, 170-178.	3.5	293
9	SARS-CoV-2 infection triggers profibrotic macrophage responses and lung fibrosis. Cell, 2021, 184, 6243-6261.e27.	13.5	277
10	Definition of Germinal-Center B Cell Migration In Vivo Reveals Predominant Intrazonal Circulation Patterns. Immunity, 2007, 26, 655-667.	6.6	274
11	Human cerebrospinal fluid monoclonal N-methyl-D-aspartate receptor autoantibodies are sufficient for encephalitis pathogenesis. Brain, 2016, 139, 2641-2652.	3.7	223
12	Early granuloma formation after aerosol Mycobacterium tuberculosis infection is regulated by neutrophils via CXCR3-signaling chemokines. European Journal of Immunology, 2003, 33, 2676-2686.	1.6	212
13	Organization of immunological memory by bone marrow stroma. Nature Reviews Immunology, 2010, 10, 193-200.	10.6	210
14	Regulation of CXCR3 and CXCR4 expression during terminal differentiation of memory B cells into plasma cells. Blood, 2005, 105, 3965-3971.	0.6	203
15	Humoral immunity and long-lived plasma cells. Current Opinion in Immunology, 2002, 14, 517-521.	2.4	192
16	G-CSF-mediated thrombopoietin release triggers neutrophil motility and mobilization from bone marrow via induction of Cxcr2 ligands. Blood, 2011, 117, 4349-4357.	0.6	179
17	SARS-CoV-2 in severe COVID-19 induces a TGF- β -dominated chronic immune response that does not target itself. Nature Communications, 2021, 12, 1961.	5.8	145
18	Plasma cell output from germinal centers is regulated by signals from Tfh and stromal cells. Journal of Experimental Medicine, 2018, 215, 1227-1243.	4.2	113

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19	Static and dynamic components synergize to form a stable survival niche for bone marrow plasma cells. <i>European Journal of Immunology</i> , 2014, 44, 2306-2317.	1.6	110
20	Memory CD8 ⁺ T cells colocalize with IL-7 ⁺ stromal cells in bone marrow and rest in terms of proliferation and transcription. <i>European Journal of Immunology</i> , 2015, 45, 975-987.	1.6	97
21	Expanding Two-Photon Intravital Microscopy to the Infrared by Means of Optical Parametric Oscillator. <i>Biophysical Journal</i> , 2010, 98, 715-723.	0.2	96
22	DNA Damage Signaling Instructs Polyploid Macrophage Fate in Granulomas. <i>Cell</i> , 2016, 167, 1264-1280.e18.	13.5	94
23	Tracking CNS and systemic sources of oxidative stress during the course of chronic neuroinflammation. <i>Acta Neuropathologica</i> , 2015, 130, 799-814.	3.9	76
24	In vivo imaging studies shed light on germinal-centre development. <i>Nature Reviews Immunology</i> , 2007, 7, 499-504.	10.6	67
25	Longitudinal intravital imaging of the femoral bone marrow reveals plasticity within marrow vasculature. <i>Nature Communications</i> , 2017, 8, 2153.	5.8	67
26	Parallelized TCSPC for Dynamic Intravital Fluorescence Lifetime Imaging: Quantifying Neuronal Dysfunction in Neuroinflammation. <i>PLoS ONE</i> , 2013, 8, e60100.	1.1	63
27	Access to Follicular Dendritic Cells Is a Pivotal Step in Murine Chronic Lymphocytic Leukemia B-cell Activation and Proliferation. <i>Cancer Discovery</i> , 2014, 4, 1448-1465.	7.7	60
28	IL-10 mediates plasmacytosis-associated immunodeficiency by inhibiting complement-mediated neutrophil migration. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 1487-1497.e6.	1.5	57
29	Unbiased classification of mosquito blood cells by single-cell genomics and high-content imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E7568-E7577.	3.3	57
30	The chronically inflamed central nervous system provides niches for long-lived plasma cells. <i>Acta Neuropathologica Communications</i> , 2017, 5, 88.	2.4	54
31	Discrete populations of isotype-switched memory B lymphocytes are maintained in murine spleen and bone marrow. <i>Nature Communications</i> , 2020, 11, 2570.	5.8	54
32	Synergistic Strategy for Multicolor Two-photon Microscopy: Application to the Analysis of Germinal Center Reactions In Vivo. <i>Scientific Reports</i> , 2017, 7, 7101.	1.6	48
33	In the Right Place, at the Right Time: Spatiotemporal Conditions Determining Plasma Cell Survival and Function. <i>Frontiers in Immunology</i> , 2019, 10, 788.	2.2	48
34	Tracking plasma cell differentiation and survival. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2014, 85, 15-24.	1.1	41
35	Recent advances in dynamic intravital multiphoton microscopy. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2011, 79A, 789-798.	1.1	40
36	High-Resolution Intravital Microscopy. <i>PLoS ONE</i> , 2012, 7, e50915.	1.1	40

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37	Spatial Distribution of Macrophages During Callus Formation and Maturation Reveals Close Crosstalk Between Macrophages and Newly Forming Vessels. <i>Frontiers in Immunology</i> , 2019, 10, 2588.	2.2	38
38	Plasma cells in immunopathology: concepts and therapeutic strategies. <i>Seminars in Immunopathology</i> , 2014, 36, 277-288.	2.8	32
39	Multiplexed fluorescence microscopy reveals heterogeneity among stromal cells in mouse bone marrow sections. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2018, 93, 876-888.	1.1	32
40	Ongoing Oxidative Stress Causes Subclinical Neuronal Dysfunction in the Recovery Phase of EAE. <i>Frontiers in Immunology</i> , 2016, 7, 92.	2.2	31
41	Collagen I-based scaffolds negatively impact fracture healing in a mouse-osteotomy-model although used routinely in research and clinical application. <i>Acta Biomaterialia</i> , 2019, 86, 171-184.	4.1	29
42	Single-cell transcriptomes of murine bone marrow stromal cells reveal niche-associated heterogeneity. <i>European Journal of Immunology</i> , 2019, 49, 1372-1379.	1.6	28
43	Phasor-Based Endogenous NAD(P)H Fluorescence Lifetime Imaging Unravels Specific Enzymatic Activity of Neutrophil Granulocytes Preceding NETosis. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1018.	1.8	27
44	Systematic Enzyme Mapping of Cellular Metabolism by Phasor-Analyzed Label-Free NAD(P)H Fluorescence Lifetime Imaging. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5565.	1.8	27
45	Intravital FRET: Probing Cellular and Tissue Function in Vivo. <i>International Journal of Molecular Sciences</i> , 2015, 16, 11713-11727.	1.8	26
46	Multiplexed histology analyses for the phenotypic and spatial characterization of human innate lymphoid cells. <i>Nature Communications</i> , 2021, 12, 1737.	5.8	26
47	Low-Density Granulocytes Are a Novel Immunopathological Feature in Both Multiple Sclerosis and Neuromyelitis Optica Spectrum Disorder. <i>Frontiers in Immunology</i> , 2019, 10, 2725.	2.2	23
48	Longitudinal Intravital Imaging of the Retina Reveals Long-term Dynamics of Immune Infiltration and Its Effects on the Glial Network in Experimental Autoimmune Uveoretinitis, without Evident Signs of Neuronal Dysfunction in the Ganglion Cell Layer. <i>Frontiers in Immunology</i> , 2016, 7, 642.	2.2	20
49	Signatures and Specificity of Tissue-Resident Lymphocytes Identified in Human Renal Peritumor and Tumor Tissue. <i>Journal of the American Society of Nephrology: JASN</i> , 2021, 32, 2223-2241.	3.0	20
50	Anti-CD20 Disrupts Meningeal B-Cell Aggregates in a Model of Secondary Progressive Multiple Sclerosis. <i>Neurology: Neuroimmunology and Neuroinflammation</i> , 2021, 8, .	3.1	19
51	Contribution of 4 ¹ BB ^L on radioresistant cells in providing survival signals through 4 ¹ BB expressed on CD ⁸⁺ memory T cells in the bone marrow. <i>European Journal of Immunology</i> , 2012, 42, 2861-2874.	1.6	18
52	B-Cell Progenitors and Precursors Change Their Microenvironment in Fetal Liver During Early Development. <i>Stem Cells</i> , 2013, 31, 2800-2812.	1.4	18
53	T-bet and ROR γ control lymph node formation by regulating embryonic innate lymphoid cell differentiation. <i>Nature Immunology</i> , 2021, 22, 1231-1244.	7.0	18
54	Quantitative image analysis of cell colocalization in murine bone marrow. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2015, 87, 503-512.	1.1	16

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55	B Cell Speed and B-FDC Contacts in Germinal Centers Determine Plasma Cell Output via Swiprosin-1/EFhd2. <i>Cell Reports</i> , 2020, 32, 108030.	2.9	16
56	Recycling of memory B cells between germinal center and lymph node subcapsular sinus supports affinity maturation to antigenic drift. <i>Nature Communications</i> , 2022, 13, 2460.	5.8	16
57	Cell shape characterization and classification with discrete Fourier transforms and self-organizing maps. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2018, 93, 323-333.	1.1	15
58	SIGLEC1 (CD169): a marker of active neuroinflammation in the brain but not in the blood of multiple sclerosis patients. <i>Scientific Reports</i> , 2021, 11, 10299.	1.6	14
59	Cellular choreography in the germinal center: new visions from in vivo imaging. <i>Seminars in Immunopathology</i> , 2010, 32, 239-255.	2.8	13
60	NAD(P)H Oxidase Activity in the Small Intestine Is Predominantly Found in Enterocytes, Not Professional Phagocytes. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1365.	1.8	13
61	External cues to drive B cell function towards immunotherapy. <i>Acta Biomaterialia</i> , 2021, 133, 222-230.	4.1	13
62	Intravital quantification reveals dynamic calcium concentration changes across B cell differentiation stages. <i>ELife</i> , 2021, 10, .	2.8	12
63	Analyzing Nicotinamide Adenine Dinucleotide Phosphate Oxidase Activation in Aging and Vascular Amyloid Pathology. <i>Frontiers in Immunology</i> , 2017, 8, 844.	2.2	11
64	MIF does only marginally enhance the pro-regenerative capacities of DFO in a mouse-osteotomy-model of compromised bone healing conditions. <i>Bone</i> , 2022, 154, 116247.	1.4	11
65	Limbostomy: Longitudinal Intravital Microendoscopy in Murine Osteotomies. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2020, 97, 483-495.	1.1	10
66	Coregistered Spectral Optical Coherence Tomography and Two-Photon Microscopy for Multimodal Near-Instantaneous Deep-Tissue Imaging. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2020, 97, 515-527.	1.1	10
67	Teriflunomide Preserves Neuronal Activity and Protects Mitochondria in Brain Slices Exposed to Oxidative Stress. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1538.	1.8	10
68	Teriflunomide preserves peripheral nerve mitochondria from oxidative stress-mediated alterations. <i>Therapeutic Advances in Chronic Disease</i> , 2020, 11, 204062232094477.	1.1	9
69	Immunoglobulin expression in the endoplasmic reticulum shapes the metabolic fitness of B lymphocytes. <i>Life Science Alliance</i> , 2020, 3, e202000700.	1.3	8
70	Porcine Colostrum Protects the IPEC-J2 Cells and Piglet Colon Epithelium against Clostridioides (syn.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.6	8
71	Rapid Isolation of Functional ex vivo Human Skin Tissue-Resident Memory T Lymphocytes. <i>Frontiers in Immunology</i> , 2021, 12, 624013.	2.2	6
72	Tracking Plasma Cell Differentiation in Living Mice with Two-Photon Microscopy. <i>Methods in Molecular Biology</i> , 2017, 1623, 37-50.	0.4	6

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73	Multiparametric Phenotyping of Circulating Tumor Cells for Analysis of Therapeutic Targets, Oncogenic Signaling Pathways and DNA Repair Markers. <i>Cancers</i> , 2022, 14, 2810.	1.7	6
74	Improvement of the Similarity Spectral Unmixing Approach for Multiplexed Two-Photon Imaging by Linear Dimension Reduction of the Mixing Matrix. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6046.	1.8	5
75	KrÄppel-like factor 2 controls IgA plasma cell compartmentalization and IgA responses. <i>Mucosal Immunology</i> , 2022, 15, 668-682.	2.7	5
76	Activated germinal centre B cells undergo directed migration. <i>International Journal of Data Mining and Bioinformatics</i> , 2011, 5, 321.	0.1	4
77	Method for Multiplexed Dynamic Intravital Multiphoton Imaging. <i>Methods in Molecular Biology</i> , 2021, 2350, 145-156.	0.4	4
78	Imaging of Bone Marrow Plasma Cells and of Their Niches. <i>Methods in Molecular Biology</i> , 2021, 2308, 163-176.	0.4	4
79	Teriflunomide Does Not Change Dynamics of NADPH Oxidase Activation and Neuronal Dysfunction During Neuroinflammation. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 62.	1.6	3
80	NAD(P)H fluorescence lifetime imaging of live intestinal nematodes reveals metabolic crosstalk between parasite and host. <i>Scientific Reports</i> , 2022, 12, 7264.	1.6	3
81	Activated Germinal-Center B Cells Undergo Directed Migration. , 2009, , .		2
82	Life Through a Lens: Technological Development and Applications in Intravital Microscopy. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2020, 97, 445-447.	1.1	2
83	Preventing Axonal Sodium Overload or Mitochondrial Calcium Uptake Protects Axonal Mitochondria from Oxidative Stress-Induced Alterations. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-13.	1.9	2
84	Automated Quantification of Hematopoietic Cell – Stromal Cell Interactions in Histological Images of Undecalcified Bone. <i>Journal of Visualized Experiments</i> , 2015, , .	0.2	1
85	B Cell Localization and Migration in Health and Disease. , 2015, , 187-214.		1
86	Morphology-Based Distinction Between Healthy and Pathological Cells Utilizing Fourier Transforms and Self-Organizing Maps. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	1
87	Highly Resolved Intravital Striped-illumination Microscopy of Germinal Centers. <i>Journal of Visualized Experiments</i> , 2014, , .	0.2	0