

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
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98
all docs

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docs citations

98
times ranked

12622
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	KrÄppel-like factor 2 controls IgA plasma cell compartmentalization and IgA responses. <i>Mucosal Immunology</i> , 2022, 15, 668-682.	2.7	5
4	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
5	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
6	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
7	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
8	Method for Multiplexed Dynamic Intravital Multiphoton Imaging. <i>Methods in Molecular Biology</i> , 2021, 2350, 145-156.	0.4	4
9	Imaging of Bone Marrow Plasma Cells and of Their Niches. <i>Methods in Molecular Biology</i> , 2021, 2308, 163-176.	0.4	4
10	External cues to drive B cell function towards immunotherapy. <i>Acta Biomaterialia</i> , 2021, 133, 222-230.	4.1	13
11	Rapid Isolation of Functional ex vivo Human Skin Tissue-Resident Memory T Lymphocytes. <i>Frontiers in Immunology</i> , 2021, 12, 624013.	2.2	6
12	Intravital quantification reveals dynamic calcium concentration changes across B cell differentiation stages. <i>ELife</i> , 2021, 10, .	2.8	12
13	SARS-CoV-2 in severe COVID-19 induces a TGF-Î²-dominated chronic immune response that does not target itself. <i>Nature Communications</i> , 2021, 12, 1961.	5.8	145
14	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
15	Multiplexed histology analyses for the phenotypic and spatial characterization of human innate lymphoid cells. <i>Nature Communications</i> , 2021, 12, 1737.	5.8	26
16	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
17	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
18	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

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19	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
20	SARS-CoV-2 infection triggers profibrotic macrophage responses and lung fibrosis. <i>Cell</i> , 2021, 184, 6243-6261.e27.	13.5	277
21	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
22	Teriflunomide preserves peripheral nerve mitochondria from oxidative stress-mediated alterations. <i>Therapeutic Advances in Chronic Disease</i> , 2020, 11, 204062232094477.	1.1	9
23	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
24	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
25	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
26	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
27	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
28	Immunoglobulin expression in the endoplasmic reticulum shapes the metabolic fitness of B lymphocytes. <i>Life Science Alliance</i> , 2020, 3, e202000700.	1.3	8
29	Porcine Colostrum Protects the IPEC-J2 Cells and Piglet Colon Epithelium against <i>Clostridioides (syn.) Tj ETQq1 1 0.784314 rgBT /Ove</i>	1.6	8
30	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
31	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). <i>European Journal of Immunology</i> , 2019, 49, 1457-1973.	1.6	766
32	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
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	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
35	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
36	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

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37	Plasma cell output from germinal centers is regulated by signals from Tfh and stromal cells. <i>Journal of Experimental Medicine</i> , 2018, 215, 1227-1243.	4.2	113
38	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
39	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
40	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
41	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
42	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
43	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
44	Guidelines for the use of flow cytometry and cell sorting in immunological studies [*] . <i>European Journal of Immunology</i> , 2017, 47, 1584-1797.	1.6	505
45	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
46	Longitudinal intravital imaging of the femoral bone marrow reveals plasticity within marrow vasculature. <i>Nature Communications</i> , 2017, 8, 2153.	5.8	67
47	Analyzing Nicotinamide Adenine Dinucleotide Phosphate Oxidase Activation in Aging and Vascular Amyloid Pathology. <i>Frontiers in Immunology</i> , 2017, 8, 844.	2.2	11
48	The chronically inflamed central nervous system provides niches for long-lived plasma cells. <i>Acta Neuropathologica Communications</i> , 2017, 5, 88.	2.4	54
49	Tracking Plasma Cell Differentiation in Living Mice with Two-Photon Microscopy. <i>Methods in Molecular Biology</i> , 2017, 1623, 37-50.	0.4	6
50	Ongoing Oxidative Stress Causes Subclinical Neuronal Dysfunction in the Recovery Phase of EAE. <i>Frontiers in Immunology</i> , 2016, 7, 92.	2.2	31
51	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
52	Human cerebrospinal fluid monoclonal <i>N</i> -methyl-D-aspartate receptor autoantibodies are sufficient for encephalitis pathogenesis. <i>Brain</i> , 2016, 139, 2641-2652.	3.7	223
53	DNA Damage Signaling Instructs Polyploid Macrophage Fate in Granulomas. <i>Cell</i> , 2016, 167, 1264-1280.e18.	13.5	94
54	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

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55	Automated Quantification of Hematopoietic Cell – Stromal Cell Interactions in Histological Images of Undecalcified Bone. <i>Journal of Visualized Experiments</i> , 2015, , .	0.2	1
56	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
57	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
58	B Cell Localization and Migration in Health and Disease. , 2015, , 187-214.		1
59	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
60	Intravital FRET: Probing Cellular and Tissue Function in Vivo. <i>International Journal of Molecular Sciences</i> , 2015, 16, 11713-11727.	1.8	26
61	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
62	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
63	Plasma cells in immunopathology: concepts and therapeutic strategies. <i>Seminars in Immunopathology</i> , 2014, 36, 277-288.	2.8	32
64	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
65	Highly Resolved Intravital Striped-illumination Microscopy of Germinal Centers. <i>Journal of Visualized Experiments</i> , 2014, , .	0.2	0
66	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
67	Parallelized TCSPC for Dynamic Intravital Fluorescence Lifetime Imaging: Quantifying Neuronal Dysfunction in Neuroinflammation. <i>PLoS ONE</i> , 2013, 8, e60100.	1.1	63
68	Contribution of 4-1BB ⁺ on radioresistant cells in providing survival signals through 4-1BB ⁺ expressed on CD8 ⁺ memory T cells in the bone marrow. <i>European Journal of Immunology</i> , 2012, 42, 2861-2874.	1.6	18
69	High-Resolution Intravital Microscopy. <i>PLoS ONE</i> , 2012, 7, e50915.	1.1	40
70	Long-lived autoreactive plasma cells drive persistent autoimmune inflammation. <i>Nature Reviews Rheumatology</i> , 2011, 7, 170-178.	3.5	293
71	Control of TH17 cells occurs in the small intestine. <i>Nature</i> , 2011, 475, 514-518.	13.7	567
72	G-CSF-mediated thrombopoietin release triggers neutrophil motility and mobilization from bone marrow via induction of Cxcr2 ligands. <i>Blood</i> , 2011, 117, 4349-4357.	0.6	179

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73	Activated germinal centre B cells undergo directed migration. <i>International Journal of Data Mining and Bioinformatics</i> , 2011, 5, 321.	0.1	4
74	Recent advances in dynamic intravital multi-photon microscopy. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2011, 79A, 789-798.	1.1	40
75	Cellular choreography in the germinal center: new visions from in vivo imaging. <i>Seminars in Immunopathology</i> , 2010, 32, 239-255.	2.8	13
76	Organization of immunological memory by bone marrow stroma. <i>Nature Reviews Immunology</i> , 2010, 10, 193-200.	10.6	210
77	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
78	Activated Germinal-Center B Cells Undergo Directed Migration. , 2009, , .		2
79	Definition of Germinal-Center B Cell Migration In Vivo Reveals Predominant Intrazonal Circulation Patterns. <i>Immunity</i> , 2007, 26, 655-667.	6.6	274
80	In vivo imaging studies shed light on germinal-centre development. <i>Nature Reviews Immunology</i> , 2007, 7, 499-504.	10.6	67
81	Regulation of CXCR3 and CXCR4 expression during terminal differentiation of memory B cells into plasma cells. <i>Blood</i> , 2005, 105, 3965-3971.	0.6	203
82	MAINTENANCE OF SERUM ANTIBODY LEVELS. <i>Annual Review of Immunology</i> , 2005, 23, 367-386.	9.5	478
83	Short-lived Plasmablasts and Long-lived Plasma Cells Contribute to Chronic Humoral Autoimmunity in NZB/W Mice. <i>Journal of Experimental Medicine</i> , 2004, 199, 1577-1584.	4.2	399
84	Early granuloma formation after aerosol <i>Mycobacterium tuberculosis</i> infection is regulated by neutrophils via CXCR3-signaling chemokines. <i>European Journal of Immunology</i> , 2003, 33, 2676-2686.	1.6	212
85	Plasma Cell Survival Is Mediated by Synergistic Effects of Cytokines and Adhesion-Dependent Signals. <i>Journal of Immunology</i> , 2003, 171, 1684-1690.	0.4	427
86	Chemotactic Responsiveness Toward Ligands for CXCR3 and CXCR4 Is Regulated on Plasma Blasts During the Time Course of a Memory Immune Response. <i>Journal of Immunology</i> , 2002, 169, 1277-1282.	0.4	323
87	Humoral immunity and long-lived plasma cells. <i>Current Opinion in Immunology</i> , 2002, 14, 517-521.	2.4	192