Matthias Gunzer

List of Publications by Year
in descending order

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173 papers	12,750 citations	23500 58 h-index	27345 106 g-index
188 all docs	188 docs citations	188 times ranked	18352 citing authors

#	Article	IF	Citations
1	Mast cell and macrophage chemokines CXCL1/CXCL2 control the early stage of neutrophil recruitment during tissue inflammation. Blood, 2013, 121, 4930-4937.	0.6	656
2	Cdc42 Activity Regulates Hematopoietic Stem Cell Aging and Rejuvenation. Cell Stem Cell, 2012, 10, 520-530.	5.2	438
3	Mast Cells Are Key Promoters of Contact Allergy that Mediate the Adjuvant Effects of Haptens. Immunity, 2011, 34, 973-984.	6.6	415
4	Antigen Presentation in Extracellular Matrix. Immunity, 2000, 13, 323-332.	6.6	408
5	Visualizing the function and fate of neutrophils in sterile injury and repair. Science, 2017, 358, 111-116.	6.0	372
6	Production of Extracellular Traps against Aspergillus fumigatus In Vitro and in Infected Lung Tissue Is Dependent on Invading Neutrophils and Influenced by Hydrophobin RodA. PLoS Pathogens, 2010, 6, e1000873.	2.1	362
7	Loss of S100A9 (MRP14) Results in Reduced Interleukin-8-Induced CD11b Surface Expression, a Polarized Microfilament System, and Diminished Responsiveness to Chemoattractants In Vitro. Molecular and Cellular Biology, 2003, 23, 1034-1043.	1.1	287
8	Epithelial NOTCH Signaling Rewires the Tumor Microenvironment of Colorectal Cancer to Drive Poor-Prognosis Subtypes and Metastasis. Cancer Cell, 2019, 36, 319-336.e7.	7.7	278
9	Fully Automated Evaluation of Total Glomerular Number and Capillary Tuft Size in Nephritic Kidneys Using Lightsheet Microscopy. Journal of the American Society of Nephrology: JASN, 2017, 28, 452-459.	3.0	274
10	Human Chorionic Gonadotropin Attracts Regulatory T Cells into the Fetal-Maternal Interface during Early Human Pregnancy. Journal of Immunology, 2009, 182, 5488-5497.	0.4	271
11	Externalized histone H4 orchestrates chronic inflammation by inducing lytic cell death. Nature, 2019, 569, 236-240.	13.7	268
12	Microglia provide neuroprotection after ischemia. FASEB Journal, 2006, 20, 714-716.	0.2	253
13	Tuning immune responses: diversity and adaptation of the immunological synapse. Nature Reviews Immunology, 2005, 5, 532-545.	10.6	252
14	Co-option of Neutrophil Fates by Tissue Environments. Cell, 2020, 183, 1282-1297.e18.	13.5	246
15	Metastatic status of sentinel lymph nodes in melanoma determined noninvasively with multispectral optoacoustic imaging. Science Translational Medicine, 2015, 7, 317ra199.	5.8	239
16	Microglia Cells Protect Neurons by Direct Engulfment of Invading Neutrophil Granulocytes: A New Mechanism of CNS Immune Privilege. Journal of Neuroscience, 2008, 28, 5965-5975.	1.7	235
17	A network of trans-cortical capillaries as mainstay for blood circulation in long bones. Nature Metabolism, 2019, 1, 236-250.	5.1	221
18	Very-late-antigen-4 (VLA-4)-mediated brain invasion by neutrophils leads to interactions with microglia, increased ischemic injury and impaired behavior in experimental stroke. Acta Neuropathologica, 2015, 129, 259-277.	3.9	210

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19	Neutrophils instruct homeostatic and pathological states in naive tissues. Journal of Experimental Medicine, 2018, 215, 2778-2795.	4.2	200
20	Altered cellular dynamics and endosteal location of aged early hematopoietic progenitor cells revealed by time-lapse intravital imaging in long bones. Blood, 2009, 114, 290-298.	0.6	197
21	Catchup: a mouse model for imaging-based tracking and modulation of neutrophil granulocytes. Nature Methods, 2015, 12, 445-452.	9.0	193
22	STAT3 activation through IL-6/IL-11 in cancer-associated fibroblasts promotes colorectal tumour development and correlates with poor prognosis. Gut, 2020, 69, 1269-1282.	6.1	181
23	G-CSFâ€“mediated thrombopoietin release triggers neutrophil motility and mobilization from bone marrow via induction of Cxcr2 ligands. Blood, 2011, 117, 4349-4357.	0.6	179
24	Microglial cell loss after ischemic stroke favors brain neutrophil accumulation. Acta Neuropathologica, 2019, 137, 321-341.	3.9	177
25	Role of Neutrophils in Exacerbation of Brain Injury After Focal Cerebral Ischemia in Hyperlipidemic Mice. Stroke, 2015, 46, 2916-2925.	1.0	166
26	Evidence for Functional Relevance of CTLA-4 in Ultraviolet-Radiation-Induced Tolerance. Journal of Immunology, 2000, 165, 1824-1831.	0.4	152
27	Naive B cells generate regulatory T cells in the presence of a mature immunologic synapse. Blood, 2007, 110, 1519-1529.	0.6	146
28	Durable and controlled depletion of neutrophils in mice. Nature Communications, 2020, 11, 2762.	5.8	138
29	A spectrum of biophysical interaction modes between T cells and different antigen-presenting cells during priming in 3-D collagen and in vivo. Blood, 2004, 104, 2801-2809.	0.6	119
30	ImmunoPET/MR imaging allows specific detection of Aspergillus fumigatus lung infection in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1026-33.	3.3	119
31	Interaction of T cells with APCs: the serial encounter model. Trends in Immunology, 2001, 22, 187-191.	2.9	118
32	Cell-Type-Specific Responses to Interleukin-1 Control Microbial Invasion and Tumor-Elicited Inflammation in Colorectal Cancer. Immunity, 2019, 50, 166-180.e7.	6.6	114
33	Immune synapse formation determines interaction forces between T cells and antigen-presenting cells measured by atomic force microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 17852-17857.	3.3	109
34	3D visualization and quantification of microvessels in the whole ischemic mouse brain using solvent-based clearing and light sheet microscopy. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 3355-3367.	2.4	106
35	Molecular and functional analysis of Shiga toxinâ€“induced response patterns in human vascular endothelial cells. Blood, 2003, 102, 1323-1332.	0.6	102
36	Systemic administration of a TLR7 ligand leads to transient immune incompetence due to peripheral-blood leukocyte depletion. Blood, 2005, 106, 2424-2432.	0.6	102

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37	Immune response modifiers ? mode of action. Experimental Dermatology, 2006, 15, 331-341.	1.4	100
38	Toll-like Receptor 4 Signaling by Follicular Dendritic Cells Is Pivotal for Germinal Center Onset and Affinity Maturation. Immunity, 2010, 33, 84-95.	6.6	96
39	Multidimensional imaging provides evidence for down-regulation of T cell effector function by MDSC in human cancer tissue. Science Immunology, 2019, 4, .	5.6	95
40	Mesenchymal Stromal Cellâ€“Derived Small Extracellular Vesicles Induce Ischemic Neuroprotection by Modulating Leukocytes and Specifically Neutrophils. Stroke, 2020, 51, 1825-1834.	1.0	95
41	Lactate released by inflammatory bone marrow neutrophils induces their mobilization via endothelial GPR81 signaling. Nature Communications, 2020, 11, 3547.	5.8	93
42	Environmental Dimensionality Controls the Interaction of Phagocytes with the Pathogenic Fungi Aspergillus fumigatus and Candida albicans. PLoS Pathogens, 2007, 3, e13.	2.1	92
43	Localization of Î¼-opioid receptor 1A on sensory nerve fibers in human skin. Regulatory Peptides, 2002, 110, 75-83.	1.9	91
44	The Power of Single and Multibeam Two-Photon Microscopy for High-Resolution and High-Speed Deep Tissue and Intravital Imaging. Biophysical Journal, 2007, 93, 2519-2529.	0.2	91
45	Vitamin D receptor signaling contributes to susceptibility to infection with Leishmania major. FASEB Journal, 2007, 21, 3208-3218.	0.2	90
46	Deriving a germinal center lymphocyte migration model from two-photon data. Journal of Experimental Medicine, 2008, 205, 3019-3029.	4.2	87
47	Targeting early stages of cardiotoxicity from anti-PD1 immune checkpoint inhibitor therapy. European Heart Journal, 2022, 43, 316-329.	1.0	84
48	Connexin-43 in the osteogenic BM niche regulates its cellular composition and the bidirectional traffic of hematopoietic stem cells and progenitors. Blood, 2012, 119, 5144-5154.	0.6	82
49	Myeloid-derived suppressor cells control B cell accumulation in the central nervous system during autoimmunity. Nature Immunology, 2018, 19, 1341-1351.	7.0	82
50	Small extracellular vesicles obtained from hypoxic mesenchymal stromal cells have unique characteristics that promote cerebral angiogenesis, brain remodeling and neurological recovery after focal cerebral ischemia in mice. Basic Research in Cardiology, 2021, 116, 40.	2.5	82
51	Non-classical monocyte homing to the gut via Î±4Î²7 integrin mediates macrophage-dependent intestinal wound healing. Gut, 2020, 69, 252-263.	6.1	80
52	White-Opaque Switching of Candida albicans Allows Immune Evasion in an Environment-Dependent Fashion. Eukaryotic Cell, 2013, 12, 50-58.	3.4	79
53	Neutrophils self-limit swarming to contain bacterial growth in vivo. Science, 2021, 372, .	6.0	76
54	Migration of dendritic cells within 3-D collagen lattices is dependent on tissue origin, state of maturation, and matrix structure and is maintained by proinflammatory cytokines. Journal of Leukocyte Biology, 2000, 67, 622-629.	1.5	72

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55	T Cell Activation Results in Conformational Changes in the Src Family Kinase Lck to Induce Its Activation. Science Signaling, 2013, 6, ra13.	1.6	70
56	Signaling Signatures and Functional Properties of Anti-Human CD28 Superagonistic Antibodies. PLoS ONE, 2008, 3, e1708.	1.1	68
57	Irf4-dependent CD103⁺CD11b⁺dendritic cells and the intestinal microbiome regulate monocyte and macrophage activation and intestinal peristalsis in postoperative ileus. Gut, 2017, 66, 2110-2120.	6.1	63
58	Identification of a Putative Crf Splice Variant and Generation of Recombinant Antibodies for the Specific Detection of Aspergillus fumigatus. PLoS ONE, 2009, 4, e6625.	1.1	63
59	Pharmacological inhibition of EGFR signaling enhances G-CSFâ€“induced hematopoietic stem cell mobilization. Nature Medicine, 2010, 16, 1141-1146.	15.2	61
60	Shaping the fungal adaptome â€“ Stress responses of Aspergillus fumigatus. International Journal of Medical Microbiology, 2011, 301, 408-416.	1.5	61
61	Beware the intruder: Real time observation of infiltrated neutrophils and neutrophilâ€”Microglia interaction during stroke in vivo. PLoS ONE, 2018, 13, e0193970.	1.1	61
62	Location of Neutrophils in Different Compartments of the Damaged Mouse Brain After Severe Ischemia/Reperfusion. Stroke, 2019, 50, 1548-1557.	1.0	61
63	Contemporaneous 3D characterization of acute and chronic myocardial I/R injury and response. Nature Communications, 2019, 10, 2312.	5.8	60
64	Dendritic cells and tumor immunity. Seminars in Immunology, 2001, 13, 291-302.	2.7	58
65	Two-step negative enrichment of CD4+ and CD8+ T cells from murine spleen via nylon wool adherence and an optimized antibody cocktail. Journal of Immunological Methods, 2001, 258, 55-63.	0.6	58
66	Human Regulatory T Cells Rapidly Suppress T Cell Receptorâ€“Induced Ca ²⁺ , NF-ÎºB, and NFAT Signaling in Conventional T Cells. Science Signaling, 2011, 4, ra90.	1.6	58
67	Agonists of proteinase-activated receptor-2 modulate human neutrophil cytokine secretion, expression of cell adhesion molecules, and migration within 3-D collagen lattices. Journal of Leukocyte Biology, 2004, 76, 388-398.	1.5	55
68	Cellular immune reactions in the lung. Immunological Reviews, 2013, 251, 189-214.	2.8	53
69	T Lymphocytes and Neutrophil Granulocytes Differ in Regulatory Signaling and Migratory Dynamics with Regard to Spontaneous Locomotion and Chemotaxis. Cellular Immunology, 2000, 199, 104-114.	1.4	52
70	Towards Translational ImmunoPET/MR Imaging of Invasive Pulmonary Aspergillosis: The Humanised Monoclonal Antibody JF5 Detects Aspergillus Lung Infections In Vivo. Theranostics, 2017, 7, 3398-3414.	4.6	52
71	Phagocyte responses towards Aspergillus fumigatus. International Journal of Medical Microbiology, 2011, 301, 436-444.	1.5	50
72	Automated Characterization and Parameter-Free Classification of Cell Tracks Based on Local Migration Behavior. PLoS ONE, 2013, 8, e80808.	1.1	50

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73	Alveolar Type II Epithelial Cells Contribute to the Anti-Influenza A Virus Response in the Lung by Integrating Pathogen- and Microenvironment-Derived Signals. MBio, 2016, 7, .	1.8	49
74	Three-Dimensional Light Sheet Fluorescence Microscopy of Lungs To Dissect Local Host Immune-Aspergillus fumigatus Interactions. MBio, 2020, 11, .	1.8	49
75	Stem Cells, Aging, Niche, Adhesion and Cdc42: A Model for Changes in Cell-Cell Interactions and Hematopoietic Stem Cell Aging. Cell Cycle, 2007, 6, 884-887.	1.3	48
76	A role for LFA-1 in delaying T-lymphocyte egress from lymph nodes. EMBO Journal, 2013, 32, 829-843.	3.5	48
77	Survival of residual neutrophils and accelerated myelopoiesis limit the efficacy of antibody-mediated depletion of Ly-6G+ cells in tumor-bearing mice. Journal of Leukocyte Biology, 2016, 99, 811-823.	1.5	48
78	ICAM1+ neutrophils promote chronic inflammation via ASPRV1 in B cellâ€“dependent autoimmune encephalomyelitis. JCI Insight, 2017, 2, .	2.3	48
79	Hepatitis B virus is degraded by autophagosome-lysosome fusion mediated by Rab7 and related components. Protein and Cell, 2019, 10, 60-66.	4.8	47
80	Next-generation imaging of the skeletal system and its blood supply. Nature Reviews Rheumatology, 2019, 15, 533-549.	3.5	46
81	Src Homology 2-Domain Containing Leukocyte-Specific Phosphoprotein of 76 kDa Is Mandatory for TCR-Mediated Inside-Out Signaling, but Dispensable for CXCR4-Mediated LFA-1 Activation, Adhesion, and Migration of T Cells. Journal of Immunology, 2009, 183, 5756-5767.	0.4	45
82	Increased Susceptibility for Superinfection with Streptococcus pneumoniae during Influenza Virus Infection Is Not Caused by TLR7-Mediated Lymphopenia. PLoS ONE, 2009, 4, e4840.	1.1	44
83	Implications of polymorphonuclear neutrophils for ischemic stroke and intracerebral hemorrhage: Predictive value, pathophysiological consequences and utility as therapeutic target. Journal of Neuroimmunology, 2018, 321, 138-143.	1.1	44
84	Intravital two-photon microscopy: focus on speed and time resolved imaging modalities. Immunological Reviews, 2008, 221, 7-25.	2.8	43
85	Rapid Immunomagnetic Negative Enrichment of Neutrophil Granulocytes from Murine Bone Marrow for Functional Studies In Vitro and In Vivo. PLoS ONE, 2011, 6, e17314.	1.1	43
86	Guanine Nucleotide-Binding Proteins of the G12 Family Shape Immune Functions by Controlling CD4+ T Cell Adhesiveness and Motility. Immunity, 2009, 30, 708-720.	6.6	42
87	The molecular makeup and function of regulatory and effector synapses. Immunological Reviews, 2007, 218, 165-177.	2.8	41
88	Pilus Adhesin RrgA Interacts with Complement Receptor 3, Thereby Affecting Macrophage Function and Systemic Pneumococcal Disease. MBio, 2013, 4, e00535-12.	1.8	41
89	Human dendritic cell subsets display distinct interactions with the pathogenic mould Aspergillus fumigatus. International Journal of Medical Microbiology, 2014, 304, 1160-1168.	1.5	38
90	Migration of Dendritic Cells in 3D-Collagen Lattices. Advances in Experimental Medicine and Biology, 1997, , 97-103.	0.8	34

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91	Respiratory Influenza A Virus Infection Triggers Local and Systemic Natural Killer Cell Activation via Toll-Like Receptor 7. Frontiers in Immunology, 2018, 9, 245.	2.2	32
92	Dendritic Cells in Cancer Immunotherapy. Critical Reviews in Immunology, 2001, 21, 13.	1.0	31
93	Sphingosine 1-Phosphateâ€“Induced Motility and Endocytosis of Dendritic Cells Is Regulated by SWAP-70 through RhoA. Journal of Immunology, 2011, 186, 5345-5355.	0.4	31
94	The Mycoplasma -Derived Macrophage-Activating 2-Kilodalton Lipopeptide Triggers Global Immune Activation on Nasal Mucosa-Associated Lymphoid Tissues. Infection and Immunity, 2004, 72, 6978-6986.	1.0	30
95	Multicolor two-photon imaging of in vivo cellular pathophysiology upon influenza virus infection using the two-photon IMPRESS. Nature Protocols, 2020, 15, 1041-1065.	5.5	30
96	Platelet endothelial cell adhesion molecule-1 is a gatekeeper of neutrophil transendothelial migration in ischemic stroke. Brain, Behavior, and Immunity, 2021, 93, 277-287.	2.0	30
97	Postischemic Neuroprotection Associated With Anti-Inflammatory Effects by Mesenchymal Stromal Cell-Derived Small Extracellular Vesicles in Aged Mice. Stroke, 2022, 53, STROKEAHA121035821.	1.0	30
98	Antibody-guided in vivo imaging of Aspergillus fumigatus lung infections during antifungal azole treatment. Nature Communications, 2021, 12, 1707.	5.8	29
99	Traps and hyper inflammation â€“ new ways that neutrophils promote or hinder survival. British Journal of Haematology, 2014, 164, 189-199.	1.2	28
100	Three-Dimensional Cross-Sectional Light-Sheet Microscopy Imaging of the Inflamed Mouse Gut. Gastroenterology, 2017, 153, 898-900.	0.6	27
101	APC, T Cells, and the Immune Synapse. Current Topics in Microbiology and Immunology, 2010, 340, 229-249.	0.7	26
102	Quantitative Analysis of Proteome Modulations in Alveolar Epithelial Type II Cells in Response to Pulmonary Aspergillus fumigatus Infection. Molecular and Cellular Proteomics, 2017, 16, 2184-2198.	2.5	26
103	Neutrophil granulocytes promote flow stagnation due to dynamic capillary stalls following experimental stroke. Brain, Behavior, and Immunity, 2021, 93, 322-330.	2.0	26
104	Basal expression of the Aspergillus fumigatus transcriptional activator CpcA is sufficient to support pulmonary aspergillosis. Fungal Genetics and Biology, 2008, 45, 693-704.	0.9	24
105	Distinct Spatio-Temporal Dynamics of Tumor-Associated Neutrophils in Small Tumor Lesions. Frontiers in Immunology, 2019, 10, 1419.	2.2	23
106	Modeling Hemolytic-Uremic Syndrome: In-Depth Characterization of Distinct Murine Models Reflecting Different Features of Human Disease. Frontiers in Immunology, 2018, 9, 1459.	2.2	22
107	Neutrophil dynamics, plasticity and function in acute neurodegeneration following neonatal hypoxiaâ€“ischemia. Brain, Behavior, and Immunity, 2021, 92, 232-242.	2.0	21
108	Estradiol suppresses psoriatic inflammation in mice by regulating neutrophil and macrophage functions. Journal of Allergy and Clinical Immunology, 2022, 150, 909-919.e8.	1.5	21

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109	CD11c.DTR mice develop a fatal fulminant myocarditis after local or systemic treatment with diphtheria toxin. European Journal of Immunology, 2016, 46, 2028-2042.	1.6	20
110	3D and 4D imaging of immune cells in vitro and in vivo. Histochemistry and Cell Biology, 2008, 130, 1053-1062.	0.8	19
111	Surface display ofGaussia princepsluciferase allows sensitive fungal pathogen detection during cutaneous aspergillosis. Virulence, 2012, 3, 51-61.	1.8	19
112	TLR7 Contributes to the Rapid Progression but Not to the Overall Fatal Outcome of Secondary Pneumococcal Disease following Influenza A Virus Infection. Journal of Innate Immunity, 2013, 5, 84-96.	1.8	19
113	Multimolecular Analysis of Stable Immunological Synapses Reveals Sustained Recruitment and Sequential Assembly of Signaling Clusters. Molecular and Cellular Proteomics, 2013, 12, 2551-2567.	2.5	18
114	Surveillance of Myelodysplastic Syndrome via Migration Analyses of Blood Neutrophils: A Potential Prognostic Tool. Journal of Immunology, 2018, 201, 3546-3557.	0.4	17
115	Spatiotemporal restriction of endothelial cell calcium signaling is required during leukocyte transmigration. Journal of Experimental Medicine, 2021, 218, .	4.2	17
116	Direct Observation of Phagocytosis and NET-formation by Neutrophils in Infected Lungs using 2-photon Microscopy. Journal of Visualized Experiments, 2011, , .	0.2	16
117	Neutrophil Migration into the Infected Uroepithelium Is Regulated by the Crosstalk between Resident and Helper Macrophages. Pathogens, 2016, 5, 15.	1.2	16
118	Differential attenuation of Î²2 integrinâ€“dependent and â€“independent neutrophil migration by Ly6G ligation. Blood Advances, 2019, 3, 256-267.	2.5	16
119	GNA14, GNA11, and GNAQ Mutations Are Frequent in Benign but Not Malignant Cutaneous Vascular Tumors. Frontiers in Genetics, 2021, 12, 663272.	1.1	16
120	Nanoparticle decoration impacts airborne fungal pathobiology. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7087-7092.	3.3	15
121	Polymorphonuclear Neutrophils Play a Decisive Role for Brain Injury and Neurological Recovery Poststroke. Stroke, 2019, 50, e40-e41.	1.0	15
122	Role of polymorphonuclear neutrophils in the reperfused ischemic brain: insights from cell-type-specific immunodepletion and fluorescence microscopy studies. Therapeutic Advances in Neurological Disorders, 2018, 11, 175628641879860.	1.5	14
123	Analyzing the Physicodynamics of Immune Cells in a Three-Dimensional Collagen Matrix. Methods in Molecular Biology, 2007, 380, 253-269.	0.4	14
124	Transiently Reduced PI3K/Akt Activity Drives the Development of Regulatory Function in Antigen-Stimulated NaÃ¯ve T-Cells. PLoS ONE, 2013, 8, e68378.	1.1	14
125	Roles of Polymorphonuclear Neutrophils in Ischemic Brain Injury and Post-Ischemic Brain Remodeling. Frontiers in Immunology, 2021, 12, 825572.	2.2	14
126	CCR7-guided neutrophil redirection to skin-draining lymph nodes regulates cutaneous inflammation and infection. Science Immunology, 2022, 7, eabi9126.	5.6	14

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127	Homozygous Smpd1 deficiency aggravates brain ischemia/ reperfusion injury by mechanisms involving polymorphonuclear neutrophils, whereas heterozygous Smpd1 deficiency protects against mild focal cerebral ischemia. Basic Research in Cardiology, 2020, 115, 64.	2.5	13
128	Community standards for open cell migration data. GigaScience, 2020, 9, .	3.3	12
129	SOCS-1 inhibition of type I interferon restrains Staphylococcus aureus skin host defense. PLoS Pathogens, 2021, 17, e1009387.	2.1	12
130	Systemic but not MDSC-specific IRF4 deficiency promotes an immunosuppressed tumor microenvironment in a murine pancreatic cancer model. Cancer Immunology, Immunotherapy, 2020, 69, 2101-2112.	2.0	12
131	Infection of B Cell Follicle-Resident Cells by Friend Retrovirus Occurs during Acute Infection and Is Maintained during Viral Persistence. MBio, 2019, 10, .	1.8	11
132	Advances in the In Vivo Molecular Imaging of Invasive Aspergillosis. Journal of Fungi (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Tc	1.5	11
133	Ventricular assist device for a coronavirus disease 2019â€affected heart. ESC Heart Failure, 2021, 8, 162-166.	1.4	11
134	On the way toward systems biology of Aspergillus fumigatus infection. International Journal of Medical Microbiology, 2011, 301, 453-459.	1.5	10
135	Imaging innate immunity*. Immunological Reviews, 2022, 306, 293-303.	2.8	10
136	A systematic electron microscopic study on the uptake of barium sulphate nano-, submicro-, microparticles by bone marrow-derived phagocytosing cells. Acta Biomaterialia, 2018, 80, 352-363.	4.1	9
137	Stroke increases the expression of ACE2, the SARS-CoV-2 binding receptor, in murine lungs. Brain, Behavior, and Immunity, 2021, 94, 458-462.	2.0	9
138	How Safe Is the Administration of Long-Acting Granulocyte Colony-Stimulating Factor in Cancer Patients?. Oncology Research and Treatment, 2018, 41, 316-326.	0.8	8
139	Imaging Hematopoietic Stem Cells in the Marrow of Long Bones In Vivo. Methods in Molecular Biology, 2011, 750, 215-224.	0.4	8
140	High-resolution three-dimensional imaging for precise staging in melanoma. European Journal of Cancer, 2021, 159, 182-193.	1.3	8
141	Imaging of cytotoxic antiviral immunity while considering the 3R principle of animal research. Journal of Molecular Medicine, 2018, 96, 349-360.	1.7	7
142	Defective migration and dysmorphology of neutrophil granulocytes in atypical chronic myeloid leukemia treated with ruxolitinib. BMC Cancer, 2020, 20, 650.	1.1	7
143	IFNAR1 Deficiency Impairs Immunostimulatory Properties of Neutrophils in Tumor-Draining Lymph Nodes. Frontiers in Immunology, 0, 13, .	2.2	7
144	Retrospective: Birth of the Cool â€“ Imaging and microbiology from Ibn alâ€Haytham to Jean Comandon. Biotechnology Journal, 2009, 4, 787-790.	1.8	6

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145	Post-ischemic protein restriction induces sustained neuroprotection, neurological recovery, brain remodeling, and gut microbiota rebalancing. Brain, Behavior, and Immunity, 2022, 100, 134-144.	2.0	6
146	Modulating Microglial Cells for Promoting Brain Recovery and Repair. Frontiers in Cellular Neuroscience, 2020, 14, 627987.	1.8	5
147	Contribution of polymorphonuclear neutrophils in the blood periphery to ischemic brain injury. Neurology: Neuroimmunology and NeuroInflammation, 2019, 6, e570.	3.1	4
148	Light Sheet Microscopy Using FITC-Albumin Followed by Immunohistochemistry of the Same Rehydrated Brains Reveals Ischemic Brain Injury and Early Microvascular Remodeling. Frontiers in Cellular Neuroscience, 2020, 14, 625513.	1.8	4
149	Editorial: Hot Topics in Cellular Neuropathology. Frontiers in Cellular Neuroscience, 2022, 16, 895861.	1.8	4
150	Neutrophil-Specific Knockdown of Î²2 Integrins Impairs Antifungal Effector Functions and Aggravates the Course of Invasive Pulmonal Aspergillosis. Frontiers in Immunology, 0, 13, .	2.2	4
151	The Biophysics of T Lymphocyte Activation In Vitro and In Vivo. , 2006, 43, 199-218.		3
152	Escaping the traps of your own hunters. Science, 2017, 358, 1126-1127.	6.0	3
153	DCâ€“T-cell synapses. Trends in Immunology, 2002, 23, 66.	2.9	2
154	Quantitative Visualization of Leukocyte Infiltrate in a Murine Model of Fulminant Myocarditis by Light Sheet Microscopy. Journal of Visualized Experiments, 2017, , .	0.2	2
155	Rescue of T-cell function during persistent pulmonary adenoviral infection by Toll-like receptor 9 activation. Journal of Allergy and Clinical Immunology, 2018, 141, 416-419.e10.	1.5	2
156	Reduction of CD8 T cell functionality but not inhibitory capacity by integrase inhibitors. Journal of Virology, 2022, , JVI0173021.	1.5	2
157	Tailor-made mast-cell granules. Nature Materials, 2012, 11, 181-182.	13.3	1
158	The infectious propagules of Aspergillus fumigatus are coated with antimicrobial peptides. Cellular Microbiology, 2021, 23, e13301.	1.1	1
159	Intravital 2-Photon Microscopy of Diverse Cell Types in the Murine Tibia. Methods in Molecular Biology, 2021, 2236, 189-201.	0.4	1
160	A holistic view of memory generation: where do T cells reside?. Trends in Immunology, 2001, 22, 240.	2.9	0
161	The fate of T cells after conditional ablation of TCR. Trends in Immunology, 2001, 22, 541.	2.9	0
162	Quo vadis synapse?. Trends in Immunology, 2002, 23, 337.	2.9	0

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163	Imaging of Immune Cells. Imaging & Microscopy, 2006, 8, 30-32.	0.1	0
164	Correction for Hosseini et al., Immune synapse formation determines interaction forces between T cells and antigen-presenting cells measured by atomic force microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 2373-2373.	3.3	0
165	SP0106â€...LOOKING THROUGH MY BACK BONE. , 2019, , .		0
166	Cover Image: The infectious propagules of Aspergillus fumigatus are coated with antimicrobial peptides (Cellular Microbiology 03/2021). Cellular Microbiology, 2021, 23, e13314.	1.1	0
167	Intravital Imaging of Young and Aged Stem Cells in the Marrow of Long Bones: Visualizing Mammalian Stem Cell Behavior in Real-Time in Vivo. Blood, 2008, 112, 2418-2418.	0.6	0
168	Deriving a germinal center lymphocyte migration model from two-photon data. Journal of Cell Biology, 2008, 183, i14-i14.	2.3	0
169	8 Visualizing Immune Responses in Fungal Infections: Established and Novel Methods. , 2014, , 141-160.		0
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