

Matthias Gunzer

List of Publications by Year in descending order

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Version: 2024-02-01

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	Targeting early stages of cardiotoxicity from anti-PD1 immune checkpoint inhibitor therapy. <i>European Heart Journal</i> , 2022, 43, 316-329.	1.0	84
2	Post-ischemic protein restriction induces sustained neuroprotection, neurological recovery, brain remodeling, and gut microbiota rebalancing. <i>Brain, Behavior, and Immunity</i> , 2022, 100, 134-144.	2.0	6
3	Imaging innate immunity*. <i>Immunological Reviews</i> , 2022, 306, 293-303.	2.8	10
4	Postischemic Neuroprotection Associated With Anti-Inflammatory Effects by Mesenchymal Stromal Cell-Derived Small Extracellular Vesicles in Aged Mice. <i>Stroke</i> , 2022, 53, STROKEAHA121035821.	1.0	30
5	Reduction of CD8 T cell functionality but not inhibitory capacity by integrase inhibitors. <i>Journal of Virology</i> , 2022, , JVI0173021.	1.5	2
6	CCR7-guided neutrophil redirection to skin-draining lymph nodes regulates cutaneous inflammation and infection. <i>Science Immunology</i> , 2022, 7, eabi9126.	5.6	14
7	Editorial: Hot Topics in Cellular Neuropathology. <i>Frontiers in Cellular Neuroscience</i> , 2022, 16, 895861.	1.8	4
8	Estradiol suppresses psoriatic inflammation in mice by regulating neutrophil and macrophage functions. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 150, 909-919.e8.	1.5	21
9	Fast volumetric scanning of living tissue. <i>Nature Biomedical Engineering</i> , 2022, , .	11.6	0
10	Ventricular assist device for a coronavirus disease 2019-affected heart. <i>ESC Heart Failure</i> , 2021, 8, 162-166.	1.4	11
11	Neutrophil dynamics, plasticity and function in acute neurodegeneration following neonatal hypoxia-ischemia. <i>Brain, Behavior, and Immunity</i> , 2021, 92, 232-242.	2.0	21
12	The infectious propagules of <i>Aspergillus fumigatus</i> are coated with antimicrobial peptides. <i>Cellular Microbiology</i> , 2021, 23, e13301.	1.1	1
13	Spatiotemporal restriction of endothelial cell calcium signaling is required during leukocyte transmigration. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	17
14	Cover Image: The infectious propagules of <i>Aspergillus fumigatus</i> are coated with antimicrobial peptides (<i>Cellular Microbiology</i> 03/2021). <i>Cellular Microbiology</i> , 2021, 23, e13314.	1.1	0
15	SOCS-1 inhibition of type I interferon restrains <i>Staphylococcus aureus</i> skin host defense. <i>PLoS Pathogens</i> , 2021, 17, e1009387.	2.1	12
16	Platelet endothelial cell adhesion molecule-1 is a gatekeeper of neutrophil transendothelial migration in ischemic stroke. <i>Brain, Behavior, and Immunity</i> , 2021, 93, 277-287.	2.0	30
17	Neutrophil granulocytes promote flow stagnation due to dynamic capillary stalls following experimental stroke. <i>Brain, Behavior, and Immunity</i> , 2021, 93, 322-330.	2.0	26
18	Antibody-guided in vivo imaging of <i>Aspergillus fumigatus</i> lung infections during antifungal azole treatment. <i>Nature Communications</i> , 2021, 12, 1707.	5.8	29

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19	GNA14, GNA11, and GNAQ Mutations Are Frequent in Benign but Not Malignant Cutaneous Vascular Tumors. <i>Frontiers in Genetics</i> , 2021, 12, 663272.	1.1	16
20	Stroke increases the expression of ACE2, the SARS-CoV-2 binding receptor, in murine lungs. <i>Brain, Behavior, and Immunity</i> , 2021, 94, 458-462.	2.0	9
21	Neutrophils self-limit swarming to contain bacterial growth in vivo. <i>Science</i> , 2021, 372, .	6.0	76
22	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. <i>Basic Research in Cardiology</i> , 2021, 116, 40.	2.5	82
23	Intravital 2-Photon Microscopy of Diverse Cell Types in the Murine Tibia. <i>Methods in Molecular Biology</i> , 2021, 2236, 189-201.	0.4	1
24	High-resolution three-dimensional imaging for precise staging in melanoma. <i>European Journal of Cancer</i> , 2021, 159, 182-193.	1.3	8
25	Roles of Polymorphonuclear Neutrophils in Ischemic Brain Injury and Post-Ischemic Brain Remodeling. <i>Frontiers in Immunology</i> , 2021, 12, 825572.	2.2	14
26	Non-classical monocyte homing to the gut via $\alpha 4 \beta 7$ integrin mediates macrophage-dependent intestinal wound healing. <i>Gut</i> , 2020, 69, 252-263.	6.1	80
27	STAT3 activation through IL-6/IL-11 in cancer-associated fibroblasts promotes colorectal tumour development and correlates with poor prognosis. <i>Gut</i> , 2020, 69, 1269-1282.	6.1	181
28	Homozygous <i>Smpd1</i> deficiency aggravates brain ischemia/ reperfusion injury by mechanisms involving polymorphonuclear neutrophils, whereas heterozygous <i>Smpd1</i> deficiency protects against mild focal cerebral ischemia. <i>Basic Research in Cardiology</i> , 2020, 115, 64.	2.5	13
29	Co-option of Neutrophil Fates by Tissue Environments. <i>Cell</i> , 2020, 183, 1282-1297.e18.	13.5	246
30	Defective migration and dysmorphology of neutrophil granulocytes in atypical chronic myeloid leukemia treated with ruxolitinib. <i>BMC Cancer</i> , 2020, 20, 650.	1.1	7
31	Lactate released by inflammatory bone marrow neutrophils induces their mobilization via endothelial GPR81 signaling. <i>Nature Communications</i> , 2020, 11, 3547.	5.8	93
32	Community standards for open cell migration data. <i>GigaScience</i> , 2020, 9, .	3.3	12
33	Advances in the In Vivo Molecular Imaging of Invasive Aspergillosis. <i>Journal of Fungi (Basel)</i> , 2020, 6, 1071-1081.	2.5	11
34	Three-Dimensional Light Sheet Fluorescence Microscopy of Lungs To Dissect Local Host Immune-Aspergillus fumigatus Interactions. <i>MBio</i> , 2020, 11, .	1.8	49
35	Durable and controlled depletion of neutrophils in mice. <i>Nature Communications</i> , 2020, 11, 2762.	5.8	138
36	Multicolor two-photon imaging of in vivo cellular pathophysiology upon influenza virus infection using the two-photon IMPRESS. <i>Nature Protocols</i> , 2020, 15, 1041-1065.	5.5	30

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37	Mesenchymal Stromal Cell-Derived Small Extracellular Vesicles Induce Ischemic Neuroprotection by Modulating Leukocytes and Specifically Neutrophils. <i>Stroke</i> , 2020, 51, 1825-1834.	1.0	95
38	Light Sheet Microscopy Using FITC-Albumin Followed by Immunohistochemistry of the Same Rehydrated Brains Reveals Ischemic Brain Injury and Early Microvascular Remodeling. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 625513.	1.8	4
39	Modulating Microglial Cells for Promoting Brain Recovery and Repair. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 627987.	1.8	5
40	Systemic but not MDSC-specific IRF4 deficiency promotes an immunosuppressed tumor microenvironment in a murine pancreatic cancer model. <i>Cancer Immunology, Immunotherapy</i> , 2020, 69, 2101-2112.	2.0	12
41	523...A subset of mature neutrophils contains the strongest PMN-MDSC activity in blood and tissue of patients with head and neck cancer. , 2020, , .		0
42	Hepatitis B virus is degraded by autophagosome-lysosome fusion mediated by Rab7 and related components. <i>Protein and Cell</i> , 2019, 10, 60-66.	4.8	47
43	Next-generation imaging of the skeletal system and its blood supply. <i>Nature Reviews Rheumatology</i> , 2019, 15, 533-549.	3.5	46
44	Distinct Spatio-Temporal Dynamics of Tumor-Associated Neutrophils in Small Tumor Lesions. <i>Frontiers in Immunology</i> , 2019, 10, 1419.	2.2	23
45	Multidimensional imaging provides evidence for down-regulation of T cell effector function by MDSC in human cancer tissue. <i>Science Immunology</i> , 2019, 4, .	5.6	95
46	Epithelial NOTCH Signaling Rewires the Tumor Microenvironment of Colorectal Cancer to Drive Poor-Prognosis Subtypes and Metastasis. <i>Cancer Cell</i> , 2019, 36, 319-336.e7.	7.7	278
47	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
48	Polymorphonuclear Neutrophils Play a Decisive Role for Brain Injury and Neurological Recovery Poststroke. <i>Stroke</i> , 2019, 50, e40-e41.	1.0	15
49	Contemporaneous 3D characterization of acute and chronic myocardial I/R injury and response. <i>Nature Communications</i> , 2019, 10, 2312.	5.8	60
50	Location of Neutrophils in Different Compartments of the Damaged Mouse Brain After Severe Ischemia/Reperfusion. <i>Stroke</i> , 2019, 50, 1548-1557.	1.0	61
51	Externalized histone H4 orchestrates chronic inflammation by inducing lytic cell death. <i>Nature</i> , 2019, 569, 236-240.	13.7	268
52	Infection of B Cell Follicle-Resident Cells by Friend Retrovirus Occurs during Acute Infection and Is Maintained during Viral Persistence. <i>MBio</i> , 2019, 10, .	1.8	11
53	SP0106...LOOKING THROUGH MY BACK BONE. , 2019, , .		0
54	Contribution of polymorphonuclear neutrophils in the blood periphery to ischemic brain injury. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2019, 6, e570.	3.1	4

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55	Differential attenuation of $\beta 2$ integrin-dependent and -independent neutrophil migration by Ly6G ligation. <i>Blood Advances</i> , 2019, 3, 256-267.	2.5	16
56	Microglial cell loss after ischemic stroke favors brain neutrophil accumulation. <i>Acta Neuropathologica</i> , 2019, 137, 321-341.	3.9	177
57	Cell-Type-Specific Responses to Interleukin-1 Control Microbial Invasion and Tumor-Elicited Inflammation in Colorectal Cancer. <i>Immunity</i> , 2019, 50, 166-180.e7.	6.6	114
58	Imaging of cytotoxic antiviral immunity while considering the 3R principle of animal research. <i>Journal of Molecular Medicine</i> , 2018, 96, 349-360.	1.7	7
59	Implications of polymorphonuclear neutrophils for ischemic stroke and intracerebral hemorrhage: Predictive value, pathophysiological consequences and utility as therapeutic target. <i>Journal of Neuroimmunology</i> , 2018, 321, 138-143.	1.1	44
60	How Safe Is the Administration of Long-Acting Granulocyte Colony-Stimulating Factor in Cancer Patients?. <i>Oncology Research and Treatment</i> , 2018, 41, 316-326.	0.8	8
61	Rescue of T-cell function during persistent pulmonary adenoviral infection by Toll-like receptor 9 activation. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 416-419.e10.	1.5	2
62	Surveillance of Myelodysplastic Syndrome via Migration Analyses of Blood Neutrophils: A Potential Prognostic Tool. <i>Journal of Immunology</i> , 2018, 201, 3546-3557.	0.4	17
63	A systematic electron microscopic study on the uptake of barium sulphate nano-, submicro-, microparticles by bone marrow-derived phagocytosing cells. <i>Acta Biomaterialia</i> , 2018, 80, 352-363.	4.1	9
64	Neutrophils instruct homeostatic and pathological states in naive tissues. <i>Journal of Experimental Medicine</i> , 2018, 215, 2778-2795.	4.2	200
65	Role of polymorphonuclear neutrophils in the reperfused ischemic brain: insights from cell-type-specific immunodepletion and fluorescence microscopy studies. <i>Therapeutic Advances in Neurological Disorders</i> , 2018, 11, 175628641879860.	1.5	14
66	Myeloid-derived suppressor cells control B cell accumulation in the central nervous system during autoimmunity. <i>Nature Immunology</i> , 2018, 19, 1341-1351.	7.0	82
67	Nanoparticle decoration impacts airborne fungal pathobiology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 7087-7092.	3.3	15
68	Respiratory Influenza A Virus Infection Triggers Local and Systemic Natural Killer Cell Activation via Toll-Like Receptor 7. <i>Frontiers in Immunology</i> , 2018, 9, 245.	2.2	32
69	Modeling Hemolytic-Uremic Syndrome: In-Depth Characterization of Distinct Murine Models Reflecting Different Features of Human Disease. <i>Frontiers in Immunology</i> , 2018, 9, 1459.	2.2	22
70	Beware the intruder: Real time observation of infiltrated neutrophils and neutrophil-Microglia interaction during stroke in vivo. <i>PLoS ONE</i> , 2018, 13, e0193970.	1.1	61
71	<i>Irf4</i> -dependent CD103 ⁺ CD11b ⁺ dendritic cells and the intestinal microbiome regulate monocyte and macrophage activation and intestinal peristalsis in postoperative ileus. <i>Gut</i> , 2017, 66, 2110-2120.	6.1	63
72	3D visualization and quantification of microvessels in the whole ischemic mouse brain using solvent-based clearing and light sheet microscopy. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 3355-3367.	2.4	106

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73	Visualizing the function and fate of neutrophils in sterile injury and repair. <i>Science</i> , 2017, 358, 111-116.	6.0	372
74	Quantitative Analysis of Proteome Modulations in Alveolar Epithelial Type II Cells in Response to Pulmonary <i>Aspergillus fumigatus</i> Infection. <i>Molecular and Cellular Proteomics</i> , 2017, 16, 2184-2198.	2.5	26
75	Three-Dimensional Cross-Sectional Light-Sheet Microscopy Imaging of the Inflamed Mouse Gut. <i>Gastroenterology</i> , 2017, 153, 898-900.	0.6	27
76	Quantitative Visualization of Leukocyte Infiltrate in a Murine Model of Fulminant Myocarditis by Light Sheet Microscopy. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	2
77	Escaping the traps of your own hunters. <i>Science</i> , 2017, 358, 1126-1127.	6.0	3
78	Fully Automated Evaluation of Total Glomerular Number and Capillary Tuft Size in Nephritic Kidneys Using Lightsheet Microscopy. <i>Journal of the American Society of Nephrology: JASN</i> , 2017, 28, 452-459.	3.0	274
79	Towards Translational ImmunoPET/MR Imaging of Invasive Pulmonary Aspergillosis: The Humanised Monoclonal Antibody JF5 Detects <i>Aspergillus</i> Lung Infections <i>In Vivo</i> . <i>Theranostics</i> , 2017, 7, 3398-3414.	4.6	52
80	ICAM1+ neutrophils promote chronic inflammation via ASPRV1 in B cell-dependent autoimmune encephalomyelitis. <i>JCI Insight</i> , 2017, 2, .	2.3	48
81	Neutrophil Migration into the Infected Uroepithelium Is Regulated by the Crosstalk between Resident and Helper Macrophages. <i>Pathogens</i> , 2016, 5, 15.	1.2	16
82	CD11c.DTR mice develop a fatal fulminant myocarditis after local or systemic treatment with diphtheria toxin. <i>European Journal of Immunology</i> , 2016, 46, 2028-2042.	1.6	20
83	Alveolar Type II Epithelial Cells Contribute to the Anti-Influenza A Virus Response in the Lung by Integrating Pathogen- and Microenvironment-Derived Signals. <i>MBio</i> , 2016, 7, .	1.8	49
84	ImmunoPET/MR imaging allows specific detection of <i>Aspergillus fumigatus</i> lung infection in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E1026-33.	3.3	119
85	Survival of residual neutrophils and accelerated myelopoiesis limit the efficacy of antibody-mediated depletion of Ly-6G+ cells in tumor-bearing mice. <i>Journal of Leukocyte Biology</i> , 2016, 99, 811-823.	1.5	48
86	Metastatic status of sentinel lymph nodes in melanoma determined noninvasively with multispectral optoacoustic imaging. <i>Science Translational Medicine</i> , 2015, 7, 317ra199.	5.8	239
87	Catchup: a mouse model for imaging-based tracking and modulation of neutrophil granulocytes. <i>Nature Methods</i> , 2015, 12, 445-452.	9.0	193
88	Role of Neutrophils in Exacerbation of Brain Injury After Focal Cerebral Ischemia in Hyperlipidemic Mice. <i>Stroke</i> , 2015, 46, 2916-2925.	1.0	166
89	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. <i>Acta Neuropathologica</i> , 2015, 129, 259-277.	3.9	210
90	Abstract 5254: Sentinel lymph node detection and in vivo/ex vivo assessment of melanin distribution by means of multispectral optoacoustic tomography (MSOT) in patients with malignant melanoma. , 2015, , .		0

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91	Traps and hyper inflammation – new ways that neutrophils promote or hinder survival. British Journal of Haematology, 2014, 164, 189-199.	1.2	28
92	Human dendritic cell subsets display distinct interactions with the pathogenic mould <i>Aspergillus fumigatus</i> . International Journal of Medical Microbiology, 2014, 304, 1160-1168.	1.5	38
93	8 Visualizing Immune Responses in Fungal Infections: Established and Novel Methods. , 2014, , 141-160.		0
94	White-Opaque Switching of <i>Candida albicans</i> Allows Immune Evasion in an Environment-Dependent Fashion. Eukaryotic Cell, 2013, 12, 50-58.	3.4	79
95	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
96	Cellular immune reactions in the lung. Immunological Reviews, 2013, 251, 189-214.	2.8	53
97	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
98	Pilus Adhesin RrgA Interacts with Complement Receptor 3, Thereby Affecting Macrophage Function and Systemic Pneumococcal Disease. MBio, 2013, 4, e00535-12.	1.8	41
99	A role for LFA-1 in delaying T-lymphocyte egress from lymph nodes. EMBO Journal, 2013, 32, 829-843.	3.5	48
100	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
101	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
102	Transiently Reduced PI3K/Akt Activity Drives the Development of Regulatory Function in Antigen-Stimulated Naïve T-Cells. PLoS ONE, 2013, 8, e68378.	1.1	14
103	Automated Characterization and Parameter-Free Classification of Cell Tracks Based on Local Migration Behavior. PLoS ONE, 2013, 8, e80808.	1.1	50
104	Surface display of <i>Gaussia princeps</i> luciferase allows sensitive fungal pathogen detection during cutaneous aspergillosis. Virulence, 2012, 3, 51-61.	1.8	19
105	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
106	Cdc42 Activity Regulates Hematopoietic Stem Cell Aging and Rejuvenation. Cell Stem Cell, 2012, 10, 520-530.	5.2	438
107	Tailor-made mast-cell granules. Nature Materials, 2012, 11, 181-182.	13.3	1
108	Sphingosine 1-Phosphate – Induced Motility and Endocytosis of Dendritic Cells Is Regulated by SWAP-70 through RhoA. Journal of Immunology, 2011, 186, 5345-5355.	0.4	31

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109	Shaping the fungal adaptome â€“ Stress responses of <i>Aspergillus fumigatus</i> . <i>International Journal of Medical Microbiology</i> , 2011, 301, 408-416.	1.5	61
110	Phagocyte responses towards <i>Aspergillus fumigatus</i> . <i>International Journal of Medical Microbiology</i> , 2011, 301, 436-444.	1.5	50
111	On the way toward systems biology of <i>Aspergillus fumigatus</i> infection. <i>International Journal of Medical Microbiology</i> , 2011, 301, 453-459.	1.5	10
112	Direct Observation of Phagocytosis and NET-formation by Neutrophils in Infected Lungs using 2-photon Microscopy. <i>Journal of Visualized Experiments</i> , 2011, , .	0.2	16
113	G-CSFâ€“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
114	Mast Cells Are Key Promoters of Contact Allergy that Mediate the Adjuvant Effects of Haptens. <i>Immunity</i> , 2011, 34, 973-984.	6.6	415
115	Human Regulatory T Cells Rapidly Suppress T Cell Receptorâ€“Induced Ca ²⁺ , NF-Î²B, and NFAT Signaling in Conventional T Cells. <i>Science Signaling</i> , 2011, 4, ra90.	1.6	58
116	Imaging Hematopoietic Stem Cells in the Marrow of Long Bones In Vivo. <i>Methods in Molecular Biology</i> , 2011, 750, 215-224.	0.4	8
117	Rapid Immunomagnetic Negative Enrichment of Neutrophil Granulocytes from Murine Bone Marrow for Functional Studies In Vitro and In Vivo. <i>PLoS ONE</i> , 2011, 6, e17314.	1.1	43
118	Toll-like Receptor 4 Signaling by Follicular Dendritic Cells Is Pivotal for Germinal Center Onset and Affinity Maturation. <i>Immunity</i> , 2010, 33, 84-95.	6.6	96
119	Pharmacological inhibition of EGFR signaling enhances G-CSFâ€“induced hematopoietic stem cell mobilization. <i>Nature Medicine</i> , 2010, 16, 1141-1146.	15.2	61
120	Correction for Hosseini et al., Immune synapse formation determines interaction forces between T cells and antigen-presenting cells measured by atomic force microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 2373-2373.	3.3	0
121	Production of Extracellular Traps against <i>Aspergillus fumigatus</i> In Vitro and in Infected Lung Tissue Is Dependent on Invading Neutrophils and Influenced by Hydrophobin RodA. <i>PLoS Pathogens</i> , 2010, 6, e1000873.	2.1	362
122	APC, T Cells, and the Immune Synapse. <i>Current Topics in Microbiology and Immunology</i> , 2010, 340, 229-249.	0.7	26
123	Increased Susceptibility for Superinfection with <i>Streptococcus pneumoniae</i> during Influenza Virus Infection Is Not Caused by TLR7-Mediated Lymphopenia. <i>PLoS ONE</i> , 2009, 4, e4840.	1.1	44
124	Human Chorionic Gonadotropin Attracts Regulatory T Cells into the Fetal-Maternal Interface during Early Human Pregnancy. <i>Journal of Immunology</i> , 2009, 182, 5488-5497.	0.4	271
125	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. <i>Journal of Immunology</i> , 2009, 183, 5756-5767.	0.4	45
126	Immune synapse formation determines interaction forces between T cells and antigen-presenting cells measured by atomic force microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 17852-17857.	3.3	109

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127	Guanine Nucleotide-Binding Proteins of the G12 Family Shape Immune Functions by Controlling CD4+ T Cell Adhesiveness and Motility. <i>Immunity</i> , 2009, 30, 708-720.	6.6	42
128	Retrospective: Birth of the Cool – Imaging and microbiology from Ibn al-Haytham to Jean Comandon. <i>Biotechnology Journal</i> , 2009, 4, 787-790.	1.8	6
129	Altered cellular dynamics and endosteal location of aged early hematopoietic progenitor cells revealed by time-lapse intravital imaging in long bones. <i>Blood</i> , 2009, 114, 290-298.	0.6	197
130	Identification of a Putative Crf Splice Variant and Generation of Recombinant Antibodies for the Specific Detection of <i>Aspergillus fumigatus</i> . <i>PLoS ONE</i> , 2009, 4, e6625.	1.1	63
131	3D and 4D imaging of immune cells in vitro and in vivo. <i>Histochemistry and Cell Biology</i> , 2008, 130, 1053-1062.	0.8	19
132	Intravital two-photon microscopy: focus on speed and time resolved imaging modalities. <i>Immunological Reviews</i> , 2008, 221, 7-25.	2.8	43
133	Basal expression of the <i>Aspergillus fumigatus</i> transcriptional activator CpcA is sufficient to support pulmonary aspergillosis. <i>Fungal Genetics and Biology</i> , 2008, 45, 693-704.	0.9	24
134	Microglia Cells Protect Neurons by Direct Engulfment of Invading Neutrophil Granulocytes: A New Mechanism of CNS Immune Privilege. <i>Journal of Neuroscience</i> , 2008, 28, 5965-5975.	1.7	235
135	Deriving a germinal center lymphocyte migration model from two-photon data. <i>Journal of Experimental Medicine</i> , 2008, 205, 3019-3029.	4.2	87
136	Signaling Signatures and Functional Properties of Anti-Human CD28 Superagonistic Antibodies. <i>PLoS ONE</i> , 2008, 3, e1708.	1.1	68
137	Intravital Imaging of Young and Aged Stem Cells in the Marrow of Long Bones: Visualizing Mammalian Stem Cell Behavior in Real-Time in Vivo. <i>Blood</i> , 2008, 112, 2418-2418.	0.6	0
138	Deriving a germinal center lymphocyte migration model from two-photon data. <i>Journal of Cell Biology</i> , 2008, 183, i14-i14.	2.3	0
139	Environmental Dimensionality Controls the Interaction of Phagocytes with the Pathogenic Fungi <i>Aspergillus fumigatus</i> and <i>Candida albicans</i> . <i>PLoS Pathogens</i> , 2007, 3, e13.	2.1	92
140	Stem Cells, Aging, Niche, Adhesion and Cdc42: A Model for Changes in Cell-Cell Interactions and Hematopoietic Stem Cell Aging. <i>Cell Cycle</i> , 2007, 6, 884-887.	1.3	48
141	Vitamin D receptor signaling contributes to susceptibility to infection with <i>Leishmania major</i> . <i>FASEB Journal</i> , 2007, 21, 3208-3218.	0.2	90
142	Naive B cells generate regulatory T cells in the presence of a mature immunologic synapse. <i>Blood</i> , 2007, 110, 1519-1529.	0.6	146
143	The Power of Single and Multibeam Two-Photon Microscopy for High-Resolution and High-Speed Deep Tissue and Intravital Imaging. <i>Biophysical Journal</i> , 2007, 93, 2519-2529.	0.2	91
144	The molecular makeup and function of regulatory and effector synapses. <i>Immunological Reviews</i> , 2007, 218, 165-177.	2.8	41

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145	Analyzing the Physicodynamics of Immune Cells in a Three-Dimensional Collagen Matrix. <i>Methods in Molecular Biology</i> , 2007, 380, 253-269.	0.4	14
146	The Biophysics of T Lymphocyte Activation In Vitro and In Vivo. , 2006, 43, 199-218.		3
147	Immune response modifiers ? mode of action. <i>Experimental Dermatology</i> , 2006, 15, 331-341.	1.4	100
148	Imaging of Immune Cells. <i>Imaging & Microscopy</i> , 2006, 8, 30-32.	0.1	0
149	Microglia provide neuroprotection after ischemia. <i>FASEB Journal</i> , 2006, 20, 714-716.	0.2	253
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