Steffen Jung

List of Publications by Citations

208 papers	45,647 citations	94 h-index	213 g-index
229 ext. papers	53,069 ext. citations	16.2 avg, IF	7.41 L-index

#	Paper	IF	Citations
208	ATP mediates rapid microglial response to local brain injury in vivo. *Nature Neuroscience*, **2005**, 8, 752-8	25.5	2584
207	Blood monocytes consist of two principal subsets with distinct migratory properties. *Immunity*, **2003**, 19, 71-82	32.3	2548
206	Development of monocytes, macrophages, and dendritic cells. *Science*, **2010**, 327, 656-61	33.3	2088
205	Analysis of fractalkine receptor CX(3)CR1 function by targeted deletion and green fluorescent protein reporter gene insertion. *Molecular and Cellular Biology*, **2000**, 20, 4106-14	4.8	1838
204	Fate mapping reveals origins and dynamics of monocytes and tissue macrophages under homeostasis. *Immunity*, **2013**, 38, 79-91	32.3	1804
203	In vivo depletion of CD11c+ dendritic cells abrogates priming of CD8+ T cells by exogenous cell-associated antigens. *Immunity*, **2002**, 17, 211-20	32.3	1445
202	CX3CR1-mediated dendritic cell access to the intestinal lumen and bacterial clearance. *Science*, **2005**, 307, 254-8	33.3	1282
201	Tissue-resident macrophage enhancer landscapes are shaped by the local microenvironment. *Cell*, **2014**, 159, 1312-26	56.2	1268
200	Massively parallel single-cell RNA-seq for marker-free decomposition of tissues into cell types. *Science*, **2014**, 343, 776-9	33.3	1147
199	Control of microglial neurotoxicity by the fractalkine receptor. *Nature Neuroscience*, **2006**, 9, 917-24	25.5	1122
198	Monocytes and macrophages: developmental pathways and tissue homeostasis. *Nature Reviews Immunology*, **2014**, 14, 392-404	36.5	1089
197	VEGF-induced adult neovascularization: recruitment, retention, and role of accessory cells. *Cell*, **2006**, 124, 175-89	56.2	991
196	Circulating activated platelets exacerbate atherosclerosis in mice deficient in apolipoprotein E. *Nature Medicine*, **2003**, 9, 61-7	50.5	820
195	A clonogenic bone marrow progenitor specific for macrophages and dendritic cells. *Science*, **2006**, 311, 83-7	33.3	789
194	Alum adjuvant boosts adaptive immunity by inducing uric acid and activating inflammatory dendritic cells. *Journal of Experimental Medicine*, **2008**, 205, 869-82	16.6	722
193	Transcriptional Heterogeneity and Lineage Commitment in Myeloid Progenitors. *Cell*, **2015**, 163, 1663-77	56.2	631
192	Type I interferons and microbial metabolites of tryptophan modulate astrocyte activity and central nervous system inflammation via the aryl hydrocarbon receptor. *Nature Medicine*, **2016**, 22, 586-97	50.5	629

191	A Cre-inducible diphtheria toxin receptor mediates cell lineage ablation after toxin administration. *Nature Methods*, **2005**, 2, 419-26	21.6	586
190	Intestinal lamina propria dendritic cell subsets have different origin and functions. *Immunity*, **2009**, 31, 502-12	32.3	581
189	Origin, fate and dynamics of macrophages at central nervous system interfaces. *Nature Immunology* , **2016**, 17, 797-805	19.1	572
188	Infiltrating blood-derived macrophages are vital cells playing an anti-inflammatory role in recovery from spinal cord injury in mice. *PLoS Medicine*, **2009**, 6, e1000113	11.6	551
187	Immunogenetics. Chromatin state dynamics during blood formation. *Science*, **2014**, 345, 943-9	33.3	528
186	In vivo depletion of lung CD11c+ dendritic cells during allergen challenge abrogates the characteristic features of asthma. *Journal of Experimental Medicine*, **2005**, 201, 981-91	16.6	522
185	Macrophages: development and tissue specialization. *Annual Review of Immunology*, **2015**, 33, 643-75	34.7	503
184	Development and function of dendritic cell subsets. *Immunity*, **2014**, 40, 642-56	32.3	497
183	Monocytes give rise to mucosal, but not splenic, conventional dendritic cells. *Journal of Experimental Medicine*, **2007**, 204, 171-80	16.6	495
182	Ly6C hi monocytes in the inflamed colon give rise to proinflammatory effector cells and migratory antigen-presenting cells. *Immunity*, **2012**, 37, 1076-90	32.3	481
181	Inflammatory chemokine transport and presentation in HEV: a remote control mechanism for monocyte recruitment to lymph nodes in inflamed tissues. *Journal of Experimental Medicine*, **2001**, 194, 1361-73	16.6	450
180	Recruitment of beneficial M2 macrophages to injured spinal cord is orchestrated by remote brain choroid plexus. *Immunity*, **2013**, 38, 555-69	32.3	432
179	A new type of microglia gene targeting shows TAK1 to be pivotal in CNS autoimmune inflammation. *Nature Neuroscience*, **2013**, 16, 1618-26	25.5	428
178	Macrophage-restricted interleukin-10 receptor deficiency, but not IL-10 deficiency, causes severe spontaneous colitis. *Immunity*, **2014**, 40, 720-33	32.3	361
177	Guidelines for the use of flow cytometry and cell sorting in immunological studies. *European Journal of Immunology*, **2017**, 47, 1584-1797	6.1	359
176	Genetic Cell Ablation Reveals Clusters of Local Self-Renewing Microglia in the Mammalian Central Nervous System. *Immunity*, **2015**, 43, 92-106	32.3	358
175	Inducible ablation of mouse Langerhans cells diminishes but fails to abrogate contact hypersensitivity. *Journal of Cell Biology*, **2005**, 169, 569-76	7.3	358
174	Notch2 receptor signaling controls functional differentiation of dendritic cells in the spleen and intestine. *Immunity*, **2011**, 35, 780-91	32.3	331

173	CX3CR1 is required for monocyte homeostasis and atherogenesis by promoting cell survival. *Blood*, **2009**, 113, 963-72	2.2	328
172	A new fate mapping system reveals context-dependent random or clonal expansion of microglia. *Nature Neuroscience*, **2017**, 20, 793-803	25.5	316
171	Microglia Biology: One Century of Evolving Concepts. *Cell*, **2019**, 179, 292-311	56.2	313
170	Shutdown of class switch recombination by deletion of a switch region control element. *Science*, **1993**, 259, 984-7	33.3	313
169	Progressive replacement of embryo-derived cardiac macrophages with age. *Journal of Experimental Medicine*, **2014**, 211, 2151-8	16.6	299
168	The Cytokine GM-CSF Drives the Inflammatory Signature of CCR2+ Monocytes and Licenses Autoimmunity. *Immunity*, **2015**, 43, 502-14	32.3	278
167	Age-related myelin degradation burdens the clearance function of microglia during aging. *Nature Neuroscience*, **2016**, 19, 995-8	25.5	257
166	Uterine DCs are crucial for decidua formation during embryo implantation in mice. *Journal of Clinical Investigation*, **2008**, 118, 3954-65	15.9	253
165	The role of the local environment and epigenetics in shaping macrophage identity and their effect on tissue homeostasis. *Nature Immunology*, **2016**, 17, 18-25	19.1	247
164	Distinct differentiation potential of blood monocyte subsets in the lung. *Journal of Immunology*, **2007**, 178, 2000-7	5.3	247
163	Role of CCR8 and other chemokine pathways in the migration of monocyte-derived dendritic cells to lymph nodes. *Journal of Experimental Medicine*, **2004**, 200, 1231-41	16.6	246
162	Runx3 regulates mouse TGF-beta-mediated dendritic cell function and its absence results in airway inflammation. *EMBO Journal*, **2004**, 23, 969-79	13	233
161	Regulation of peripheral lymph node genesis by the tumor necrosis factor family member TRANCE. *Journal of Experimental Medicine*, **2000**, 192, 1467-78	16.6	230
160	Three pathways to mature macrophages in the early mouse yolk sac. *Blood*, **2005**, 106, 3004-11	2.2	227
159	The neuronal chemokine CX3CL1/fractalkine selectively recruits NK cells that modify experimental autoimmune encephalomyelitis within the central nervous system. *FASEB Journal*, **2006**, 20, 896-905	0.9	225
158	Alternatively activated macrophages do not synthesize catecholamines or contribute to adipose tissue adaptive thermogenesis. *Nature Medicine*, **2017**, 23, 623-630	50.5	217
157	The chemokine KC, but not monocyte chemoattractant protein-1, triggers monocyte arrest on early atherosclerotic endothelium. *Journal of Clinical Investigation*, **2001**, 108, 1307-14	15.9	212
156	Microglia, seen from the CX3CR1 angle. *Frontiers in Cellular Neuroscience*, **2013**, 7, 26	6.1	194

155	Inhibition of NF-kappa-B cellular function via specific targeting of the I-kappa-B-ubiquitin ligase. *EMBO Journal*, **1997**, 16, 6486-94	13	193
154	Lung macrophages serve as obligatory intermediate between blood monocytes and alveolar macrophages. *Journal of Immunology*, **2007**, 179, 3488-94	5.3	193
153	B cell development under the condition of allelic inclusion. *Immunity*, **1997**, 6, 225-33	32.3	189
152	Monocytes: subsets, origins, fates and functions. *Current Opinion in Hematology*, **2010**, 17, 53-9	3.3	188
151	In vivo structure/function and expression analysis of the CX3C chemokine fractalkine. *Blood*, **2011**, 118, e156-67	2.2	184
150	Induction and blockage of oligodendrogenesis by differently activated microglia in an animal model of multiple sclerosis. *Journal of Clinical Investigation*, **2006**, 116, 905-15	15.9	183
149	CCL17-expressing dendritic cells drive atherosclerosis by restraining regulatory T cell homeostasis in mice. *Journal of Clinical Investigation*, **2011**, 121, 2898-910	15.9	183
148	Lack of conventional dendritic cells is compatible with normal development and T cell homeostasis, but causes myeloid proliferative syndrome. *Immunity*, **2008**, 29, 986-97	32.3	181
147	Securing the immune tightrope: mononuclear phagocytes in the intestinal lamina propria. *Nature Reviews Immunology*, **2010**, 10, 415-26	36.5	165
146	Severe B cell deficiency in mice lacking the tec kinase family members Tec and Btk. *Journal of Experimental Medicine*, **2000**, 192, 1611-24	16.6	163
145	Neuroprotection and progenitor cell renewal in the injured adult murine retina requires healing monocyte-derived macrophages. *Journal of Experimental Medicine*, **2011**, 208, 23-39	16.6	157
144	Dendritic cells ameliorate autoimmunity in the CNS by controlling the homeostasis of PD-1 receptor(+) regulatory T cells. *Immunity*, **2012**, 37, 264-75	32.3	154
143	Monocytes-macrophages that express smooth muscle actin preserve primitive hematopoietic cells in the bone marrow. *Nature Immunology*, **2012**, 13, 1072-82	19.1	154
142	Induced-Pluripotent-Stem-Cell-Derived Primitive Macrophages Provide a Platform for Modeling Tissue-Resident Macrophage Differentiation and Function. *Immunity*, **2017**, 47, 183-198.e6	32.3	153
141	Genomic Characterization of Murine Monocytes Reveals C/EBP Transcription Factor Dependence of Ly6C Cells. *Immunity*, **2017**, 46, 849-862.e7	32.3	151
140	Perivascular clusters of dendritic cells provide critical survival signals to B cells in bone marrow niches. *Nature Immunology*, **2008**, 9, 388-95	19.1	150
139	CD8alpha+ dendritic cells are required for efficient entry of Listeria monocytogenes into the spleen. *Immunity*, **2006**, 25, 619-30	32.3	150
138	Spatial organization of signal transduction molecules in the NK cell immune synapses during MHC class I-regulated noncytolytic and cytolytic interactions. *Journal of Immunology*, **2001**, 167, 4358-67	5.3	150

137	CKIablation highlights a critical role for p53 in invasiveness control. *Nature*, **2011**, 470, 409-13	50.4	149
136	Transepithelial pathogen uptake into the small intestinal lamina propria. *Journal of Immunology*, **2006**, 176, 2465-9	5.3	145
135	High susceptibility to bacterial infection, but no liver dysfunction, in mice compromised for hepatocyte NF-kappaB activation. *Nature Medicine*, **2000**, 6, 573-7	50.5	145
134	Microbe sampling by mucosal dendritic cells is a discrete, MyD88-independent step in DeltainvG S. Typhimurium colitis. *Journal of Experimental Medicine*, **2008**, 205, 437-50	16.6	144
133	Functional classification of memory CD8(+) T cells by CX3CR1 expression. *Nature Communications*, **2015**, 6, 8306	17.4	142
132	Organ-dependent in vivo priming of naive CD4+, but not CD8+, T cells by plasmacytoid dendritic cells. *Journal of Experimental Medicine*, **2007**, 204, 1923-33	16.6	139
131	Epigenetic ontogeny of the Igk locus during B cell development. *Nature Immunology*, **2005**, 6, 198-203	19.1	138
130	Brown-adipose-tissue macrophages control tissue innervation and homeostatic energy expenditure. *Nature Immunology*, **2017**, 18, 665-674	19.1	137
129	Intestinal macrophages: well educated exceptions from the rule. *Trends in Immunology*, **2013**, 34, 162-8	14.4	137
128	Lung dendritic cells rapidly mediate anthrax spore entry through the pulmonary route. *Journal of Immunology*, **2007**, 178, 7994-8001	5.3	128
127	Methyl-CpG Binding Protein 2 Regulates Microglia and Macrophage Gene Expression in Response to Inflammatory Stimuli. *Immunity*, **2015**, 42, 679-91	32.3	125
126	CX3CR1+ CD8alpha+ dendritic cells are a steady-state population related to plasmacytoid dendritic cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 14745-50	11.5	123
125	The ATM-BID pathway regulates quiescence and survival of haematopoietic stem cells. *Nature Cell Biology*, **2012**, 14, 535-41	23.4	114
124	Conventional dendritic cells regulate the outcome of colonic inflammation independently of T cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 17022-7	11.5	104
123	Microglia Plasticity During Health and Disease: An Immunological Perspective. *Trends in Immunology*, **2015**, 36, 614-624	14.4	103
122	Involvement of the CXCL12/CXCR4 pathway in the recovery of skin following burns. *Journal of Investigative Dermatology*, **2006**, 126, 468-76	4.3	102
121	Re-evaluating microglia expression profiles using RiboTag and cell isolation strategies. *Nature Immunology*, **2018**, 19, 636-644	19.1	101
120	Contributions of dendritic cells and macrophages to intestinal homeostasis and immune defense. *Immunology and Cell Biology*, **2013**, 91, 232-9	5	96

119	Origins and tissue-context-dependent fates of blood monocytes. *Immunology and Cell Biology*, **2009**, 87, 30-8	5	96
118	A close encounter of the third kind: monocyte-derived cells. *Advances in Immunology*, **2013**, 120, 69-103	5.6	95
117	Fc gamma receptor IIB on dendritic cells enforces peripheral tolerance by inhibiting effector T cell responses. *Journal of Immunology*, **2007**, 178, 6217-26	5.3	95
116	Antibody-enhanced cross-presentation of self antigen breaks T cell tolerance. *Journal of Clinical Investigation*, **2007**, 117, 1361-9	15.9	95
115	Immunization with mannosylated nanovaccines and inhibition of the immune-suppressing microenvironment sensitizes melanoma to immune checkpoint modulators. *Nature Nanotechnology*, **2019**, 14, 891-901	28.7	94
114	A20 critically controls microglia activation and inhibits inflammasome-dependent neuroinflammation. *Nature Communications*, **2018**, 9, 2036	17.4	92
113	CD11chigh dendritic cell ablation impairs lymphopenia-driven proliferation of naive and memory CD8+ T cells. *Journal of Immunology*, **2005**, 175, 6428-35	5.3	91
112	Microglia: unique and common features with other tissue macrophages. *Acta Neuropathologica*, **2014**, 128, 319-31	14.3	88
111	TGF-signaling through SMAD2/3 induces the quiescent microglial phenotype within the CNS environment. *Glia*, **2012**, 60, 1160-71	9	87
110	An essential role for dendritic cells in human and experimental allergic rhinitis. *Journal of Allergy and Clinical Immunology*, **2006**, 118, 1117-25	11.5	87
109	Guardians of the Gut - Murine Intestinal Macrophages and Dendritic Cells. *Frontiers in Immunology*, **2015**, 6, 254	8.4	85
108	Mononuclear phagocyte miRNome analysis identifies miR-142 as critical regulator of murine dendritic cell homeostasis. *Blood*, **2013**, 121, 1016-27	2.2	84
107	Alveolar type II epithelial cells present antigen to CD4(+) T cells and induce Foxp3(+) regulatory T cells. *American Journal of Respiratory and Critical Care Medicine*, **2009**, 179, 344-55	10.2	84
106	Engrafted parenchymal brain macrophages differ from microglia in transcriptome, chromatin landscape and response to challenge. *Nature Communications*, **2018**, 9, 5206	17.4	84
105	Microglia contribute to circuit defects in Mecp2 null mice independent of microglia-specific loss of Mecp2 expression. *ELife*, **2016**, 5,	8.9	83
104	Coupled pre-mRNA and mRNA dynamics unveil operational strategies underlying transcriptional responses to stimuli. *Molecular Systems Biology*, **2011**, 7, 529	12.2	81
103	Distinct in vivo dendritic cell activation by live versus killed Listeria monocytogenes. *European Journal of Immunology*, **2005**, 35, 1463-71	6.1	81
102	On-site education of VEGF-recruited monocytes improves their performance as angiogenic and arteriogenic accessory cells. *Journal of Experimental Medicine*, **2013**, 210, 2611-25	16.6	80

101	Novel Hexb-based tools for studying microglia in the CNS. *Nature Immunology*, **2020**, 21, 802-815	19.1	79
100	The inflammatory versus constitutive trafficking of mononuclear phagocytes into the alveolar space of mice is associated with drastic changes in their gene expression profiles. *Journal of Immunology*, **2005**, 175, 1884-93	5.3	73
99	Opposing effects of membrane-anchored CX3CL1 on amyloid and tau pathologies via the p38 MAPK pathway. *Journal of Neuroscience*, **2014**, 34, 12538-46	6.6	72
98	Tumor necrosis factor alpha- and inducible nitric oxide synthase-producing dendritic cells are rapidly recruited to the bladder in urinary tract infection but are dispensable for bacterial clearance. *Infection and Immunity*, **2006**, 74, 6100-7	3.7	72
97	Microglia can be induced by IFN-gamma or IL-4 to express neural or dendritic-like markers. *Molecular and Cellular Neurosciences*, **2007**, 35, 490-500	4.8	70
96	CD4+Foxp3+ regulatory T cell expansion induced by antigen-driven interaction with intestinal epithelial cells independent of local dendritic cells. *Gut*, **2009**, 58, 211-9	19.2	68
95	Co-stimulation-dependent activation of a JNK-kinase in T lymphocytes. *European Journal of Immunology*, **1998**, 28, 2320-30	6.1	66
94	Systemic antitumor protection by vascular-targeted photodynamic therapy involves cellular and humoral immunity. *Cancer Immunology, Immunotherapy*, **2009**, 58, 71-84	7.4	65
93	The chemokine receptor CX3CR1 mediates homing of MHC class II-positive cells to the normal mouse corneal epithelium. *Investigative Ophthalmology and Visual Science*, **2007**, 48, 1568-74		65
92	Defining dendritic cells by conditional and constitutive cell ablation. *Immunological Reviews*, **2010**, 234, 76-89	11.3	63
91	The Shiga toxin B-subunit targets antigen in vivo to dendritic cells and elicits anti-tumor immunity. *European Journal of Immunology*, **2006**, 36, 1124-35	6.1	63
90	Rational design of nanoparticles towards targeting antigen-presenting cells and improved T cell priming. *Journal of Controlled Release*, **2017**, 258, 182-195	11.7	62
89	Frequency of immunoglobulin E class switching is autonomously determined and independent of prior switching to other classes. *Journal of Experimental Medicine*, **1994**, 179, 2023-6	16.6	62
88	miR-142 orchestrates a network of actin cytoskeleton regulators during megakaryopoiesis. *ELife*, **2014**, 3, e01964	8.9	56
87	Dicer Deficiency Differentially Impacts Microglia of the Developing and Adult Brain. *Immunity*, **2017** , 46, 1030-1044.e8	32.3	54
86	IL-23-mediated mononuclear phagocyte crosstalk protects mice from Citrobacter rodentium-induced colon immunopathology. *Nature Communications*, **2015**, 6, 6525	17.4	52
85	Chemokine receptors in lymphoid organ homeostasis. *Current Opinion in Immunology*, **1999**, 11, 319-25	7.8	52
84	Dendritic cell-restricted CD80/86 deficiency results in peripheral regulatory T-cell reduction but is not associated with lymphocyte hyperactivation. *European Journal of Immunology*, **2011**, 41, 291-8	6.1	51

83	Microglial CX3CR1 promotes adult neurogenesis by inhibiting Sirt 1/p65 signaling independent of CX3CL1. *Acta Neuropathologica Communications*, **2016**, 4, 102	7.3	51
82	Toll-like receptor 4 is needed to restrict the invasion of Escherichia coli P4 into mammary gland epithelial cells in a murine model of acute mastitis. *Cellular Microbiology*, **2007**, 9, 2826-38	3.9	50
81	Differential roles of resident microglia and infiltrating monocytes in murine CNS autoimmunity. *Seminars in Immunopathology*, **2015**, 37, 613-23	12	49
80	Plasma cell differentiation in T-independent type 2 immune responses is independent of CD11c(high) dendritic cells. *European Journal of Immunology*, **2006**, 36, 2912-9	6.1	48
79	Paired immunoglobulin-like receptor A is an intrinsic, self-limiting suppressor of IL-5-induced eosinophil development. *Nature Immunology*, **2014**, 15, 36-44	19.1	47
78	Perforin-Positive Dendritic Cells Exhibit an Immuno-regulatory Role in Metabolic Syndrome and Autoimmunity. *Immunity*, **2015**, 43, 776-87	32.3	46
77	Autonomous TNF is critical for in vivo monocyte survival in steady state and inflammation. *Journal of Experimental Medicine*, **2017**, 214, 905-917	16.6	45
76	Utilization of murine colonoscopy for orthotopic implantation of colorectal cancer. *PLoS ONE*, **2011**, 6, e28858	3.7	45
75	IL-23-producing IL-10R□deficient gut macrophages elicit an IL-22-driven proinflammatory epithelial cell response. *Science Immunology*, **2019**, 4,	28	44
74	Non-identical twins - microglia and monocyte-derived macrophages in acute injury and autoimmune inflammation. *Frontiers in Immunology*, **2012**, 3, 89	8.4	43
73	CX3CR1+ c-kit+ bone marrow cells give rise to CD103+ and CD103- dendritic cells with distinct functional properties. *Journal of Immunology*, **2008**, 181, 6178-88	5.3	39
72	The contribution of dendritic cells to host defenses against Streptococcus pyogenes. *Journal of Infectious Diseases*, **2007**, 196, 1794-803	7	38
71	Cxcl10 monocytes define a pathogenic subset in the central nervous system during autoimmune neuroinflammation. *Nature Immunology*, **2020**, 21, 525-534	19.1	38
70	Dissecting the autocrine and paracrine roles of the CCR2-CCL2 axis in tumor survival and angiogenesis. *PLoS ONE*, **2012**, 7, e28305	3.7	37
69	Microglial MHC class II is dispensable for experimental autoimmune encephalomyelitis and cuprizone-induced demyelination. *European Journal of Immunology*, **2018**, 48, 1308-1318	6.1	36
68	Recruited macrophages control dissemination of group A Streptococcus from infected soft tissues. *Journal of Immunology*, **2011**, 187, 6022-31	5.3	36
67	Ly6C Monocytes and Their Macrophage Descendants Regulate Neutrophil Function and Clearance in Acetaminophen-Induced Liver Injury. *Frontiers in Immunology*, **2017**, 8, 626	8.4	35
66	Clonal allelic predetermination of immunoglobulin-□rearrangement. *Nature*, **2012**, 490, 561-5	50.4	35

65	Efficient clearance of Aspergillus fumigatus in murine lungs by an ultrashort antimicrobial lipopeptide, palmitoyl-lys-ala-DAla-lys. *Antimicrobial Agents and Chemotherapy*, **2008**, 52, 3118-26	5.9	35
64	Allelic RchoiceRgoverns somatic hypermutation in vivo at the immunoglobulin kappa-chain locus. *Nature Immunology*, **2007**, 8, 715-22	19.1	35
63	Murine Monocytes: Origins, Subsets, Fates, and Functions. *Microbiology Spectrum*, **2016**, 4,	8.9	35
62	Gatekeeper role of brain antigen-presenting CD11c+ cells in neuroinflammation. *EMBO Journal*, **2016**, 35, 89-101	13	34
61	Defining in vivo dendritic cell functions using CD11c-DTR transgenic mice. *Methods in Molecular Biology*, **2010**, 595, 429-42	1.4	34
60	Induction of Nitric-Oxide Metabolism in Enterocytes Alleviates Colitis and Inflammation-Associated Colon Cancer. *Cell Reports*, **2018**, 23, 1962-1976	10.6	33
59	-dependent CD103CD11b dendritic cells and the intestinal microbiome regulate monocyte and macrophage activation and intestinal peristalsis in postoperative ileus. *Gut*, **2017**, 66, 2110-2120	19.2	32
58	Deletion of cognate CD8 T cells by immature dendritic cells: a novel role for perforin, granzyme A, TREM-1, and TLR7. *Blood*, **2012**, 120, 1647-57	2.2	32
57	CX3CL1/fractalkine regulates branching and migration of monocyte-derived cells in the mouse olfactory epithelium. *Journal of Neuroimmunology*, **2008**, 205, 80-5	3.5	32
56	CXCR1 deficiency exacerbates neuronal loss and impairs early regenerative responses in the target-ablated olfactory epithelium. *Molecular and Cellular Neurosciences*, **2011**, 48, 236-45	4.8	31
55	The natural cytotoxicity receptor 1 contribution to early clearance of Streptococcus pneumoniae and to natural killer-macrophage cross talk. *PLoS ONE*, **2011**, 6, e23472	3.7	31
54	Probing in vivo dendritic cell functions by conditional cell ablation. *Immunology and Cell Biology*, **2008**, 86, 409-15	5	30
53	Costimulation requirement for AP-1 and NF-kappa B transcription factor activation in T cells. *Annals of the New York Academy of Sciences*, **1995**, 766, 245-52	6.5	30
52	Astrocytic phagocytosis is a compensatory mechanism for microglial dysfunction. *EMBO Journal*, **2020**, 39, e104464	13	30
51	Dynamic imaging reveals promiscuous crosspresentation of blood-borne antigens to naive CD8+ T cells in the bone marrow. *Blood*, **2013**, 122, 193-208	2.2	28
50	Management of gut inflammation through the manipulation of intestinal dendritic cells and macrophages?. *Seminars in Immunology*, **2011**, 23, 58-64	10.7	28
49	Interleukin-10 Prevents Pathological Microglia Hyperactivation following Peripheral Endotoxin Challenge. *Immunity*, **2020**, 53, 1033-1049.e7	32.3	26
48	Pneumococcal capsular polysaccharide is immunogenic when present on the surface of macrophages and dendritic cells: TLR4 signaling induced by a conjugate vaccine or by lipopolysaccharide is conducive. *Journal of Immunology*, **2008**, 180, 2409-18	5.3	25

47	Making the case for chromatin profiling: a new tool to investigate the immune-regulatory landscape. *Nature Reviews Immunology*, **2015**, 15, 585-94	36.5	24
46	Neutralization of pro-inflammatory monocytes by targeting TLR2 dimerization ameliorates colitis. *EMBO Journal*, **2016**, 35, 685-98	13	24
45	Comparative analysis of CreER transgenic mice for the study of brain macrophages: A case study. *European Journal of Immunology*, **2020**, 50, 353-362	6.1	23
44	Fate Mapping Reveals Origins and Dynamics of Monocytes and Tissue Macrophages under Homeostasis. *Immunity*, **2013**, 38, 1073-1079	32.3	22
43	Transcriptional reprogramming of CD11b+Esam(hi) dendritic cell identity and function by loss of Runx3. *PLoS ONE*, **2013**, 8, e77490	3.7	22
42	Microglial SIRP□regulates the emergence of CD11c microglia and demyelination damage in white matter. *ELife*, **2019**, 8,	8.9	22
41	Therapy of murine pulmonary aspergillosis with antibody-alliinase conjugates and alliin. *Antimicrobial Agents and Chemotherapy*, **2010**, 54, 898-906	5.9	21
40	A Binary Cre Transgenic Approach Dissects Microglia and CNS Border-Associated Macrophages. *Immunity*, **2021**, 54, 176-190.e7	32.3	21
39	Erythrocyte survival is controlled by microRNA-142. *Haematologica*, **2017**, 102, 676-685	6.6	17
38	MicroRNA-142 controls thymocyte proliferation. *European Journal of Immunology*, **2017**, 47, 1142-1152	6.1	17
37	ICAMs Are Not Obligatory for Functional Immune Synapses between Naive CD4□T Cells and Lymph Node DCs. *Cell Reports*, **2018**, 22, 849-859	10.6	17
36	Quantitative analysis of intravenously administered contrast media reveals changes in vascular barrier functions in a murine colitis model. *Magnetic Resonance in Medicine*, **2011**, 66, 235-43	4.4	16
35	Graft-versus-host disease of the CNS is mediated by TNF upregulation in microglia. *Journal of Clinical Investigation*, **2020**, 130, 1315-1329	15.9	15
34	Immunology. The axis of tolerance. *Science*, **2014**, 343, 1439-40	33.3	14
33	Macrophages and monocytes in 2017: Macrophages and monocytes: of tortoises and hares. *Nature Reviews Immunology*, **2018**, 18, 85-86	36.5	13
32	DC Respond to Cognate T Cell Interaction in the Antigen-Challenged Lymph Node. *Frontiers in Immunology*, **2019**, 10, 863	8.4	12
31	Defining murine monocyte differentiation into colonic and ileal macrophages. *ELife*, **2020**, 9,	8.9	12
30	Good, bad and beautiful--the role of dendritic cells in autoimmunity. *Autoimmunity Reviews*, **2004**, 3, 54-60	13.6	11

29	Obesity and dysregulated central and peripheral macrophage-neuron cross-talk. *European Journal of Immunology*, **2019**, 49, 19-29	6.1	11
28	Genetically enhancing the expression of chemokine domain of CXCL1 fails to prevent tau pathology in mouse models of tauopathy. *Journal of Neuroinflammation*, **2018**, 15, 278	10.1	11
27	Plasticity of monocyte development and monocyte fates. *Immunology Letters*, **2020**, 227, 66-78	4.1	10
26	CD11c.DTR mice develop a fatal fulminant myocarditis after local or systemic treatment with diphtheria toxin. *European Journal of Immunology*, **2016**, 46, 2028-42	6.1	10
25	Nanoparticulate vaccine inhibits tumor growth via improved T cell recruitment into melanoma and huHER2 breast cancer. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2018**, 14, 835-847	6	9
24	Bone marrow chimeric mice reveal a role for CX□CR1 in maintenance of the monocyte-derived cell population in the olfactory neuroepithelium. *Journal of Leukocyte Biology*, **2010**, 88, 645-54	6.5	9
23	DTR-mediated conditional cell ablation-Progress and challenges. *European Journal of Immunology*, **2018**, 48, 1114-1119	6.1	8
22	Macrophage precursor cells from the left atrial appendage of the heart spontaneously reprogram into a C-kit+/CD45- stem cell-like phenotype. *International Journal of Cardiology*, **2016**, 209, 296-306	3.2	7
21	Rac1 functions downstream of miR-142 in regulation of erythropoiesis. *Haematologica*, **2017**, 102, e476-e480	6.8	6
20	Dendritic cells: a question of upbringing. *Immunity*, **2010**, 32, 502-4	32.3	5
19	Probing in vivo origins of mononuclear phagocytes by conditional ablation and reconstitution. *Methods in Molecular Biology*, **2009**, 531, 71-87	1.4	5
18	Intravital visualization of interactions of murine Peyer□s patch-resident dendritic cells with M cells. *European Journal of Immunology*, **2020**, 50, 537-547	6.1	5
17	Mouse dendritic cells pulsed with capsular polysaccharide induce resistance to lethal pneumococcal challenge: roles of T cells and B cells. *PLoS ONE*, **2012**, 7, e39193	3.7	4
16	Interleukin 10 Restores Lipopolysaccharide-Induced Alterations in Synaptic Plasticity Probed by Repetitive Magnetic Stimulation. *Frontiers in Immunology*, **2020**, 11, 614509	8.4	4
15	Specialized transendothelial dendritic cells mediate thymic T-cell selection against blood-borne macromolecules. *Nature Communications*, **2021**, 12, 6230	17.4	4
14	Signalling intermediates of CD28. *Research in Immunology*, **1995**, 146, 154-8		3
13	Murine Monocytes: Origins, Subsets, Fates, and Functions **2017**, 141-153		2
12	Mouse Modeling Dissecting Macrophage-Breast Cancer Communication Uncovered Roles of PYK2 in Macrophage Recruitment and Breast Tumorigenesis.. *Advanced Science*, **2022**, e2105696	13.6	2

List of Publications

11	Unraveling chemokine and chemokine receptor expression patterns using genetically engineered mice. *Methods in Molecular Biology*, **2013**, 1013, 129-44	1.4	2
10	Neural inflammation alters synaptic plasticity probed by 10 Hz repetitive magnetic stimulation		2
9	Polyglutamine-Related Aggregates Can Serve as a Potent Antigen Source for Cross-Presentation by Dendritic Cells. *Journal of Immunology*, **2020**, 205, 2583-2594	5.3	2
8	In Vivo Analysis of Intestinal Mononuclear Phagocytes. *Methods in Molecular Biology*, **2016**, 1423, 255-68	1.4	2
7	Bacterial infection disrupts established germinal center reactions through monocyte recruitment and impaired metabolic adaptation.. *Immunity*, **2022**,	32.3	2
6	Comparative analysis of CreER transgenic mice for the study of brain macrophages a case study		1
5	Bone marrow dendritic cells support the survival of chronic lymphocytic leukemia cells in a CD84 dependent manner. *Oncogene*, **2020**, 39, 1997-2008	9.2	1
4	DNA-catching BM macrophages set hematopoiesis. *Blood*, **2019**, 134, 1274-1275	2.2	0
3	Monocytes give rise to mucosal, but not splenic, conventional dendritic cells. *Journal of Cell Biology*, **2007**, 176, i3-i3	7.3	
2	TLR2 Dimerization Blockade Allows Generation of Homeostatic Intestinal Macrophages under Acute Colitis Challenge. *Journal of Immunology*, **2020**, 204, 707-717	5.3	
1	Food colors caught red-handed. *Cell Metabolism*, **2021**, 33, 1267-1269	24.6	