# Steffen Jung

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 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 | Mouse Modeling Dissecting Macrophage-Breast Cancer Communication Uncovered Roles of PYK2 in Macrophage Recruitment and Breast Tumorigenesis.. *Advanced Science*, **2022**, e2105696 | 13.6 | 2 |
| 207 | Bacterial infection disrupts established germinal center reactions through monocyte recruitment and impaired metabolic adaptation.. *Immunity*, **2022**, | 32.3 | 2 |
| 206 | Specialized transendothelial dendritic cells mediate thymic T-cell selection against blood-borne macromolecules. *Nature Communications*, **2021**, 12, 6230 | 17.4 | 4 |
| 205 | A Binary Cre Transgenic Approach Dissects Microglia and CNS Border-Associated Macrophages. *Immunity*, **2021**, 54, 176-190.e7 | 32.3 | 21 |
| 204 | Food colors caught red-handed. *Cell Metabolism*, **2021**, 33, 1267-1269 | 24.6 | |
| 203 | Novel Hexb-based tools for studying microglia in the CNS. *Nature Immunology*, **2020**, 21, 802-815 | 19.1 | 79 |
| 202 | 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 |
| 201 | Interleukin 10 Restores Lipopolysaccharide-Induced Alterations in Synaptic Plasticity Probed by Repetitive Magnetic Stimulation. *Frontiers in Immunology*, **2020**, 11, 614509 | 8.4 | 4 |
| 200 | Defining murine monocyte differentiation into colonic and ileal macrophages. *ELife*, **2020**, 9, | 8.9 | 12 |
| 199 | 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 |
| 198 | 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 |
| 197 | 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 |
| 196 | TLR2 Dimerization Blockade Allows Generation of Homeostatic Intestinal Macrophages under Acute Colitis Challenge. *Journal of Immunology*, **2020**, 204, 707-717 | 5.3 | |
| 195 | Astrocytic phagocytosis is a compensatory mechanism for microglial dysfunction. *EMBO Journal*, **2020**, 39, e104464 | 13 | 30 |
| 194 | Interleukin-10 Prevents Pathological Microglia Hyperactivation following Peripheral Endotoxin Challenge. *Immunity*, **2020**, 53, 1033-1049.e7 | 32.3 | 26 |
| 193 | Plasticity of monocyte development and monocyte fates. *Immunology Letters*, **2020**, 227, 66-78 | 4.1 | 10 |
| 192 | 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 |

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|---|---|---|---|
| 191 | Cxcl10 monocytes define a pathogenic subset in the central nervous system during autoimmune neuroinflammation. *Nature Immunology*, **2020**, 21, 525-534 | 19.1 | 38 |
| 190 | Microglia Biology: One Century of Evolving Concepts. *Cell*, **2019**, 179, 292-311 | 56.2 | 313 |
| 189 | IL-23-producing IL-10R□deficient gut macrophages elicit an IL-22-driven proinflammatory epithelial cell response. *Science Immunology*, **2019**, 4, | 28 | 44 |
| 188 | DC Respond to Cognate T Cell Interaction in the Antigen-Challenged Lymph Node. *Frontiers in Immunology*, **2019**, 10, 863 | 8.4 | 12 |
| 187 | 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 |
| 186 | Microglial SIRP□regulates the emergence of CD11c microglia and demyelination damage in white matter. *ELife*, **2019**, 8, | 8.9 | 22 |
| 185 | DNA-catching BM macrophages set hematopoiesis. *Blood*, **2019**, 134, 1274-1275 | 2.2 | 0 |
| 184 | Obesity and dysregulated central and peripheral macrophage-neuron cross-talk. *European Journal of Immunology*, **2019**, 49, 19-29 | 6.1 | 11 |
| 183 | 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 |
| 182 | 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 |
| 181 | Macrophages and monocytes in 2017: Macrophages and monocytes: of tortoises and hares. *Nature Reviews Immunology*, **2018**, 18, 85-86 | 36.5 | 13 |
| 180 | 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 |
| 179 | Engrafted parenchymal brain macrophages differ from microglia in transcriptome, chromatin landscape and response to challenge. *Nature Communications*, **2018**, 9, 5206 | 17.4 | 84 |
| 178 | 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 |
| 177 | Re-evaluating microglia expression profiles using RiboTag and cell isolation strategies. *Nature Immunology*, **2018**, 19, 636-644 | 19.1 | 101 |
| 176 | A20 critically controls microglia activation and inhibits inflammasome-dependent neuroinflammation. *Nature Communications*, **2018**, 9, 2036 | 17.4 | 92 |
| 175 | Induction of Nitric-Oxide Metabolism in Enterocytes Alleviates Colitis and Inflammation-Associated Colon Cancer. *Cell Reports*, **2018**, 23, 1962-1976 | 10.6 | 33 |
| 174 | DTR-mediated conditional cell ablation-Progress and challenges. *European Journal of Immunology*, **2018**, 48, 1114-1119 | 6.1 | 8 |

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|---|---|---|---|
| 173 | Erythrocyte survival is controlled by microRNA-142. *Haematologica*, **2017**, 102, 676-685 | 6.6 | 17 |
| 172 | Alternatively activated macrophages do not synthesize catecholamines or contribute to adipose tissue adaptive thermogenesis. *Nature Medicine*, **2017**, 23, 623-630 | 50.5 | 217 |
| 171 | A new fate mapping system reveals context-dependent random or clonal expansion of microglia. *Nature Neuroscience*, **2017**, 20, 793-803 | 25.5 | 316 |
| 170 | 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 |
| 169 | Genomic Characterization of Murine Monocytes Reveals C/EBP Transcription Factor Dependence of Ly6C Cells. *Immunity*, **2017**, 46, 849-862.e7 | 32.3 | 151 |
| 168 | Brown-adipose-tissue macrophages control tissue innervation and homeostatic energy expenditure. *Nature Immunology*, **2017**, 18, 665-674 | 19.1 | 137 |
| 167 | MicroRNA-142 controls thymocyte proliferation. *European Journal of Immunology*, **2017**, 47, 1142-1152 | 6.1 | 17 |
| 166 | -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 |
| 165 | Dicer Deficiency Differentially Impacts Microglia of the Developing and Adult Brain. *Immunity*, **2017** , 46, 1030-1044.e8 | 32.3 | 54 |
| 164 | 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 |
| 163 | Guidelines for the use of flow cytometry and cell sorting in immunological studies. *European Journal of Immunology*, **2017**, 47, 1584-1797 | 6.1 | 359 |
| 162 | Rac1 functions downstream of miR-142 in regulation of erythropoiesis. *Haematologica*, **2017**, 102, e476-6480 | | 6 |
| 161 | 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 |
| 160 | Murine Monocytes: Origins, Subsets, Fates, and Functions **2017**, 141-153 | | 2 |
| 159 | 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 |
| 158 | Gatekeeper role of brain antigen-presenting CD11c+ cells in neuroinflammation. *EMBO Journal*, **2016**, 35, 89-101 | 13 | 34 |
| 157 | Age-related myelin degradation burdens the clearance function of microglia during aging. *Nature Neuroscience*, **2016**, 19, 995-8 | 25.5 | 257 |
| 156 | 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 |

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|---|---|---|---|
| 155 | 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 |
| 154 | Microglia contribute to circuit defects in Mecp2 null mice independent of microglia-specific loss of Mecp2 expression. *ELife*, **2016**, 5, | 8.9 | 83 |
| 153 | Neutralization of pro-inflammatory monocytes by targeting TLR2 dimerization ameliorates colitis. *EMBO Journal*, **2016**, 35, 685-98 | 13 | 24 |
| 152 | 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 |
| 151 | Microglial CX3CR1 promotes adult neurogenesis by inhibiting Sirt 1/p65 signaling independent of CX3CL1. *Acta Neuropathologica Communications*, **2016**, 4, 102 | 7.3 | 51 |
| 150 | Murine Monocytes: Origins, Subsets, Fates, and Functions. *Microbiology Spectrum*, **2016**, 4, | 8.9 | 35 |
| 149 | In Vivo Analysis of Intestinal Mononuclear Phagocytes. *Methods in Molecular Biology*, **2016**, 1423, 255-68 | 1.4 | 2 |
| 148 | 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 |
| 147 | Origin, fate and dynamics of macrophages at central nervous system interfaces. *Nature Immunology* , **2016**, 17, 797-805 | 19.1 | 572 |
| 146 | Genetic Cell Ablation Reveals Clusters of Local Self-Renewing Microglia in the Mammalian Central Nervous System. *Immunity*, **2015**, 43, 92-106 | 32.3 | 358 |
| 145 | Methyl-CpG Binding Protein 2 Regulates Microglia and Macrophage Gene Expression in Response to Inflammatory Stimuli. *Immunity*, **2015**, 42, 679-91 | 32.3 | 125 |
| 144 | Macrophages: development and tissue specialization. *Annual Review of Immunology*, **2015**, 33, 643-75 | 34.7 | 503 |
| 143 | Functional classification of memory CD8(+) T cells by CX3CR1 expression. *Nature Communications*, **2015**, 6, 8306 | 17.4 | 142 |
| 142 | Differential roles of resident microglia and infiltrating monocytes in murine CNS autoimmunity. *Seminars in Immunopathology*, **2015**, 37, 613-23 | 12 | 49 |
| 141 | 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 |
| 140 | Microglia Plasticity During Health and Disease: An Immunological Perspective. *Trends in Immunology*, **2015**, 36, 614-624 | 14.4 | 103 |
| 139 | The Cytokine GM-CSF Drives the Inflammatory Signature of CCR2+ Monocytes and Licenses Autoimmunity. *Immunity*, **2015**, 43, 502-14 | 32.3 | 278 |
| 138 | Perforin-Positive Dendritic Cells Exhibit an Immuno-regulatory Role in Metabolic Syndrome and Autoimmunity. *Immunity*, **2015**, 43, 776-87 | 32.3 | 46 |

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| 137 | Transcriptional Heterogeneity and Lineage Commitment in Myeloid Progenitors. *Cell*, **2015**, 163, 1663-77 | 56.2 | 631 |
| 136 | Guardians of the Gut - Murine Intestinal Macrophages and Dendritic Cells. *Frontiers in Immunology*, **2015**, 6, 254 | 8.4 | 85 |
| 135 | IL-23-mediated mononuclear phagocyte crosstalk protects mice from Citrobacter rodentium-induced colon immunopathology. *Nature Communications*, **2015**, 6, 6525 | 17.4 | 52 |
| 134 | Massively parallel single-cell RNA-seq for marker-free decomposition of tissues into cell types. *Science*, **2014**, 343, 776-9 | 33.3 | 1147 |
| 133 | Immunology. The axis of tolerance. *Science*, **2014**, 343, 1439-40 | 33.3 | 14 |
| 132 | Monocytes and macrophages: developmental pathways and tissue homeostasis. *Nature Reviews Immunology*, **2014**, 14, 392-404 | 36.5 | 1089 |
| 131 | Development and function of dendritic cell subsets. *Immunity*, **2014**, 40, 642-56 | 32.3 | 497 |
| 130 | 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 |
| 129 | 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 |
| 128 | Progressive replacement of embryo-derived cardiac macrophages with age. *Journal of Experimental Medicine*, **2014**, 211, 2151-8 | 16.6 | 299 |
| 127 | Immunogenetics. Chromatin state dynamics during blood formation. *Science*, **2014**, 345, 943-9 | 33.3 | 528 |
| 126 | Microglia: unique and common features with other tissue macrophages. *Acta Neuropathologica*, **2014**, 128, 319-31 | 14.3 | 88 |
| 125 | Macrophage-restricted interleukin-10 receptor deficiency, but not IL-10 deficiency, causes severe spontaneous colitis. *Immunity*, **2014**, 40, 720-33 | 32.3 | 361 |
| 124 | Tissue-resident macrophage enhancer landscapes are shaped by the local microenvironment. *Cell*, **2014**, 159, 1312-26 | 56.2 | 1268 |
| 123 | miR-142 orchestrates a network of actin cytoskeleton regulators during megakaryopoiesis. *ELife*, **2014**, 3, e01964 | 8.9 | 56 |
| 122 | Fate Mapping Reveals Origins and Dynamics of Monocytes and Tissue Macrophages under Homeostasis. *Immunity*, **2013**, 38, 1073-1079 | 32.3 | 22 |
| 121 | A close encounter of the third kind: monocyte-derived cells. *Advances in Immunology*, **2013**, 120, 69-103 | 5.6 | 95 |
| 120 | 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 |

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| 119 | Fate mapping reveals origins and dynamics of monocytes and tissue macrophages under homeostasis. *Immunity*, **2013**, 38, 79-91 | 32.3 | 1804 |
| 118 | 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 |
| 117 | Intestinal macrophages: well educated exceptions from the rule. *Trends in Immunology*, **2013**, 34, 162-8 | 14.4 | 137 |
| 116 | Contributions of dendritic cells and macrophages to intestinal homeostasis and immune defense. *Immunology and Cell Biology*, **2013**, 91, 232-9 | 5 | 96 |
| 115 | Recruitment of beneficial M2 macrophages to injured spinal cord is orchestrated by remote brain choroid plexus. *Immunity*, **2013**, 38, 555-69 | 32.3 | 432 |
| 114 | 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 |
| 113 | Mononuclear phagocyte miRNome analysis identifies miR-142 as critical regulator of murine dendritic cell homeostasis. *Blood*, **2013**, 121, 1016-27 | 2.2 | 84 |
| 112 | Transcriptional reprogramming of CD11b+Esam(hi) dendritic cell identity and function by loss of Runx3. *PLoS ONE*, **2013**, 8, e77490 | 3.7 | 22 |
| 111 | Microglia, seen from the CX3CR1 angle. *Frontiers in Cellular Neuroscience*, **2013**, 7, 26 | 6.1 | 194 |
| 110 | Unraveling chemokine and chemokine receptor expression patterns using genetically engineered mice. *Methods in Molecular Biology*, **2013**, 1013, 129-44 | 1.4 | 2 |
| 109 | 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 |
| 108 | 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 |
| 107 | The ATM-BID pathway regulates quiescence and survival of haematopoietic stem cells. *Nature Cell Biology*, **2012**, 14, 535-41 | 23.4 | 114 |
| 106 | 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 |
| 105 | Monocytes-macrophages that express α-smooth muscle actin preserve primitive hematopoietic cells in the bone marrow. *Nature Immunology*, **2012**, 13, 1072-82 | 19.1 | 154 |
| 104 | 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 |
| 103 | TGF-β signaling through SMAD2/3 induces the quiescent microglial phenotype within the CNS environment. *Glia*, **2012**, 60, 1160-71 | 9 | 87 |
| 102 | Non-identical twins - microglia and monocyte-derived macrophages in acute injury and autoimmune inflammation. *Frontiers in Immunology*, **2012**, 3, 89 | 8.4 | 43 |

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| 101 | Clonal allelic predetermination of immunoglobulin-rearrangement. *Nature*, **2012**, 490, 561-5 | 50.4 | 35 |
| 100 | Dissecting the autocrine and paracrine roles of the CCR2-CCL2 axis in tumor survival and angiogenesis. *PLoS ONE*, **2012**, 7, e28305 | 3.7 | 37 |
| 99 | Notch2 receptor signaling controls functional differentiation of dendritic cells in the spleen and intestine. *Immunity*, **2011**, 35, 780-91 | 32.3 | 331 |
| 98 | 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 |
| 97 | Management of gut inflammation through the manipulation of intestinal dendritic cells and macrophages?. *Seminars in Immunology*, **2011**, 23, 58-64 | 10.7 | 28 |
| 96 | In vivo structure/function and expression analysis of the CX3C chemokine fractalkine. *Blood*, **2011**, 118, e156-67 | 2.2 | 184 |
| 95 | 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 |
| 94 | Utilization of murine colonoscopy for orthotopic implantation of colorectal cancer. *PLoS ONE*, **2011**, 6, e28858 | 3.7 | 45 |
| 93 | Coupled pre-mRNA and mRNA dynamics unveil operational strategies underlying transcriptional responses to stimuli. *Molecular Systems Biology*, **2011**, 7, 529 | 12.2 | 81 |
| 92 | CKIablation highlights a critical role for p53 in invasiveness control. *Nature*, **2011**, 470, 409-13 | 50.4 | 149 |
| 91 | Recruited macrophages control dissemination of group A Streptococcus from infected soft tissues. *Journal of Immunology*, **2011**, 187, 6022-31 | 5.3 | 36 |
| 90 | 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 |
| 89 | 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 |
| 88 | 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 |
| 87 | 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 |
| 86 | Securing the immune tightrope: mononuclear phagocytes in the intestinal lamina propria. *Nature Reviews Immunology*, **2010**, 10, 415-26 | 36.5 | 165 |
| 85 | Defining dendritic cells by conditional and constitutive cell ablation. *Immunological Reviews*, **2010**, 234, 76-89 | 11.3 | 63 |
| 84 | Therapy of murine pulmonary aspergillosis with antibody-alliinase conjugates and alliin. *Antimicrobial Agents and Chemotherapy*, **2010**, 54, 898-906 | 5.9 | 21 |

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|---|---|---|---|
| 83 | 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 |
| 82 | 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 |
| 81 | Monocytes: subsets, origins, fates and functions. *Current Opinion in Hematology*, **2010**, 17, 53-9 | 3.3 | 188 |
| 80 | Development of monocytes, macrophages, and dendritic cells. *Science*, **2010**, 327, 656-61 | 33.3 | 2088 |
| 79 | Dendritic cells: a question of upbringing. *Immunity*, **2010**, 32, 502-4 | 32.3 | 5 |
| 78 | Defining in vivo dendritic cell functions using CD11c-DTR transgenic mice. *Methods in Molecular Biology*, **2010**, 595, 429-42 | 1.4 | 34 |
| 77 | CX3CR1 is required for monocyte homeostasis and atherogenesis by promoting cell survival. *Blood*, **2009**, 113, 963-72 | 2.2 | 328 |
| 76 | 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 |
| 75 | 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 |
| 74 | 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 |
| 73 | Systemic antitumor protection by vascular-targeted photodynamic therapy involves cellular and humoral immunity. *Cancer Immunology, Immunotherapy*, **2009**, 58, 71-84 | 7.4 | 65 |
| 72 | Origins and tissue-context-dependent fates of blood monocytes. *Immunology and Cell Biology*, **2009** , 87, 30-8 | 5 | 96 |
| 71 | Intestinal lamina propria dendritic cell subsets have different origin and functions. *Immunity*, **2009**, 31, 502-12 | 32.3 | 581 |
| 70 | Probing in vivo origins of mononuclear phagocytes by conditional ablation and reconstitution. *Methods in Molecular Biology*, **2009**, 531, 71-87 | 1.4 | 5 |
| 69 | Probing in vivo dendritic cell functions by conditional cell ablation. *Immunology and Cell Biology*, **2008**, 86, 409-15 | 5 | 30 |
| 68 | 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 |
| 67 | 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 |
| 66 | 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 |

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|---|---|---|---|
| 65 | 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 |
| 64 | 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 |
| 63 | 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 |
| 62 | 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 |
| 61 | Uterine DCs are crucial for decidua formation during embryo implantation in mice. *Journal of Clinical Investigation*, **2008**, 118, 3954-65 | 15.9 | 253 |
| 60 | 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 |
| 59 | Allelic RchoiceRgoverns somatic hypermutation in vivo at the immunoglobulin kappa-chain locus. *Nature Immunology*, **2007**, 8, 715-22 | 19.1 | 35 |
| 58 | 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 |
| 57 | Lung macrophages serve as obligatory intermediate between blood monocytes and alveolar macrophages. *Journal of Immunology*, **2007**, 179, 3488-94 | 5.3 | 193 |
| 56 | Distinct differentiation potential of blood monocyte subsets in the lung. *Journal of Immunology*, **2007**, 178, 2000-7 | 5.3 | 247 |
| 55 | Lung dendritic cells rapidly mediate anthrax spore entry through the pulmonary route. *Journal of Immunology*, **2007**, 178, 7994-8001 | 5.3 | 128 |
| 54 | 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 |
| 53 | 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 |
| 52 | The contribution of dendritic cells to host defenses against Streptococcus pyogenes. *Journal of Infectious Diseases*, **2007**, 196, 1794-803 | 7 | 38 |
| 51 | 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 |
| 50 | 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 |
| 49 | Monocytes give rise to mucosal, but not splenic, conventional dendritic cells. *Journal of Experimental Medicine*, **2007**, 204, 171-80 | 16.6 | 495 |
| 48 | Antibody-enhanced cross-presentation of self antigen breaks T cell tolerance. *Journal of Clinical Investigation*, **2007**, 117, 1361-9 | 15.9 | 95 |

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|---|---|---|---|
| 47 | 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 |
| 46 | Monocytes give rise to mucosal, but not splenic, conventional dendritic cells. *Journal of Cell Biology*, **2007**, 176, i3-i3 | 7.3 | |
| 45 | 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 |
| 44 | 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 |
| 43 | 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 |
| 42 | 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 |
| 41 | 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 |
| 40 | Transepithelial pathogen uptake into the small intestinal lamina propria. *Journal of Immunology*, **2006**, 176, 2465-9 | 5.3 | 145 |
| 39 | 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 |
| 38 | A clonogenic bone marrow progenitor specific for macrophages and dendritic cells. *Science*, **2006**, 311, 83-7 | 33.3 | 789 |
| 37 | VEGF-induced adult neovascularization: recruitment, retention, and role of accessory cells. *Cell*, **2006**, 124, 175-89 | 56.2 | 991 |
| 36 | CD8alpha+ dendritic cells are required for efficient entry of Listeria monocytogenes into the spleen. *Immunity*, **2006**, 25, 619-30 | 32.3 | 150 |
| 35 | Control of microglial neurotoxicity by the fractalkine receptor. *Nature Neuroscience*, **2006**, 9, 917-24 | 25.5 | 1122 |
| 34 | Involvement of the CXCL12/CXCR4 pathway in the recovery of skin following burns. *Journal of Investigative Dermatology*, **2006**, 126, 468-76 | 4.3 | 102 |
| 33 | CX3CR1-mediated dendritic cell access to the intestinal lumen and bacterial clearance. *Science*, **2005**, 307, 254-8 | 33.3 | 1282 |
| 32 | Three pathways to mature macrophages in the early mouse yolk sac. *Blood*, **2005**, 106, 3004-11 | 2.2 | 227 |
| 31 | Epigenetic ontogeny of the Igk locus during B cell development. *Nature Immunology*, **2005**, 6, 198-203 | 19.1 | 138 |
| 30 | A Cre-inducible diphtheria toxin receptor mediates cell lineage ablation after toxin administration. *Nature Methods*, **2005**, 2, 419-26 | 21.6 | 586 |

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| 29 | ATP mediates rapid microglial response to local brain injury in vivo. *Nature Neuroscience*, **2005**, 8, 752-8 | 25.5 | 2584 |
| 28 | Distinct in vivo dendritic cell activation by live versus killed Listeria monocytogenes. *European Journal of Immunology*, **2005**, 35, 1463-71 | 6.1 | 81 |
| 27 | 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 |
| 26 | 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 |
| 25 | 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 |
| 24 | Inducible ablation of mouse Langerhans cells diminishes but fails to abrogate contact hypersensitivity. *Journal of Cell Biology*, **2005**, 169, 569-76 | 7.3 | 358 |
| 23 | Runx3 regulates mouse TGF-beta-mediated dendritic cell function and its absence results in airway inflammation. *EMBO Journal*, **2004**, 23, 969-79 | 13 | 233 |
| 22 | Good, bad and beautiful--the role of dendritic cells in autoimmunity. *Autoimmunity Reviews*, **2004**, 3, 54-60 | 13.6 | 11 |
| 21 | 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 |
| 20 | Circulating activated platelets exacerbate atherosclerosis in mice deficient in apolipoprotein E. *Nature Medicine*, **2003**, 9, 61-7 | 50.5 | 820 |
| 19 | Blood monocytes consist of two principal subsets with distinct migratory properties. *Immunity*, **2003**, 19, 71-82 | 32.3 | 2548 |
| 18 | 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 |
| 17 | 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 |
| 16 | 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 |
| 15 | 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 |
| 14 | 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 |
| 13 | 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 |
| 12 | 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 |

# List of Publications

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|---|---|---|---|
| 11 | 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 |
| 10 | Chemokine receptors in lymphoid organ homeostasis. *Current Opinion in Immunology*, **1999**, 11, 319-25 | 7.8 | 52 |
| 9 | Co-stimulation-dependent activation of a JNK-kinase in T lymphocytes. *European Journal of Immunology*, **1998**, 28, 2320-30 | 6.1 | 66 |
| 8 | B cell development under the condition of allelic inclusion. *Immunity*, **1997**, 6, 225-33 | 32.3 | 189 |
| 7 | 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 |
| 6 | Signalling intermediates of CD28. *Research in Immunology*, **1995**, 146, 154-8 | | 3 |
| 5 | 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 |
| 4 | 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 |
| 3 | Shutdown of class switch recombination by deletion of a switch region control element. *Science*, **1993**, 259, 984-7 | 33.3 | 313 |
| 2 | Neural inflammation alters synaptic plasticity probed by 10 Hz repetitive magnetic stimulation | | 2 |
| 1 | Comparative analysis of CreER transgenic mice for the study of brain macrophages a case study | | 1 |