

Matthias Mack

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

10,766
citations

61984

43
h-index

66911

78
g-index

82
all docs

82
docs citations

82
times ranked

19821
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | B cell modulation with anti-CD79b antibodies ameliorates experimental autoimmune encephalitis in mice. <i>European Journal of Immunology</i> , 2022, 52, 656-668. | 2.9 | 0 |
| 2 | Current kidney function parameters overestimate kidney tissue repair in reversible experimental kidney disease. <i>Kidney International</i> , 2022, 102, 307-320. | 5.2 | 14 |
| 3 | Monocytes Elicit a Neutrophil-Independent Th1/Th17 Response Upon Immunization With a Mincle-Dependent Glycolipid Adjuvant. <i>Frontiers in Immunology</i> , 2022, 13, 880474. | 4.8 | 3 |
| 4 | Interleukin-33 improves local immunity during Gram-negative pneumonia by a combined effect on neutrophils and inflammatory monocytes. <i>Journal of Pathology</i> , 2021, 253, 374-383. | 4.5 | 10 |
| 5 | uPA heteromerization promotes breast cancer progression by attracting tumorigenic neutrophils. <i>EMBO Molecular Medicine</i> , 2021, 13, e13110. | 6.9 | 5 |
| 6 | Severe T cell hyporeactivity in ventilated COVID-19 patients correlates with prolonged virus persistence and poor outcomes. <i>Nature Communications</i> , 2021, 12, 3006. | 12.8 | 11 |
| 7 | Promotion of cholangiocarcinoma growth by diverse cancer-associated fibroblast subpopulations. <i>Cancer Cell</i> , 2021, 39, 866-882.e11. | 16.8 | 159 |
| 8 | Tumor restriction by type I collagen opposes tumor-promoting effects of cancer-associated fibroblasts. <i>Journal of Clinical Investigation</i> , 2021, 131, . | 8.2 | 144 |
| 9 | Chronic <i>Toxoplasma gondii</i> infection enhances susceptibility to colitis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 7.1 | 10 |
| 10 | A TLR7 antagonist restricts interferon-dependent and -independent immunopathology in a mouse model of severe influenza. <i>Journal of Experimental Medicine</i> , 2021, 218, . | 8.5 | 10 |
| 11 | Brown adipose tissue monocytes support tissue expansion. <i>Nature Communications</i> , 2021, 12, 5255. | 12.8 | 23 |
| 12 | Metabolic imbalance of T cells in COVID-19 is hallmarked by basigin and mitigated by dexamethasone. <i>Journal of Clinical Investigation</i> , 2021, 131, . | 8.2 | 25 |
| 13 | Donor-But Not Recipient-Derived Cells Produce Collagen-1 in Chronically Rejected Cardiac Allografts. <i>Frontiers in Immunology</i> , 2021, 12, 816509. | 4.8 | 0 |
| 14 | Gut-resident CX3CR1 ^{hi} macrophages induce tertiary lymphoid structures and IgA response in situ. <i>Science Immunology</i> , 2020, 5, . | 11.9 | 63 |
| 15 | Cxcl10+ monocytes define a pathogenic subset in the central nervous system during autoimmune neuroinflammation. <i>Nature Immunology</i> , 2020, 21, 525-534. | 14.5 | 74 |
| 16 | IL-3 Triggers Chronic Rejection of Cardiac Allografts by Activation of Infiltrating Basophils. <i>Journal of Immunology</i> , 2019, 202, 3514-3523. | 0.8 | 14 |
| 17 | Role of Monocyte-Derived MicroRNA106b ^{1/4} 25 in Resilience to Social Stress. <i>Biological Psychiatry</i> , 2019, 86, 474-482. | 1.3 | 35 |
| 18 | CCR2+ Monocyte-Derived Infiltrating Macrophages Are Required for Adverse Cardiac Remodeling During Pressure Overload. <i>JACC Basic To Translational Science</i> , 2018, 3, 230-244. | 4.1 | 186 |

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|----|---|------|-----------|
| 19 | Inflammation and fibrosis. <i>Matrix Biology</i> , 2018, 68-69, 106-121. | 3.6 | 325 |
| 20 | Mechanical strain determines the site-specific localization of inflammation and tissue damage in arthritis. <i>Nature Communications</i> , 2018, 9, 4613. | 12.8 | 128 |
| 21 | Expression of IL-3 receptors and impact of IL-3 on human T and B cells. <i>Cellular Immunology</i> , 2018, 334, 49-60. | 3.0 | 13 |
| 22 | Persistence of Systemic Murine Norovirus Is Maintained by Inflammatory Recruitment of Susceptible Myeloid Cells. <i>Cell Host and Microbe</i> , 2018, 24, 665-676.e4. | 11.0 | 31 |
| 23 | Cellular Origin and Functional Relevance of Collagen I Production in the Kidney. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 1859-1873. | 6.1 | 82 |
| 24 | Inflammatory monocytes require type I interferon receptor signaling to activate NK cells via IL-18 during a mucosal viral infection. <i>Journal of Experimental Medicine</i> , 2017, 214, 1153-1167. | 8.5 | 80 |
| 25 | Influenza and dengue virus co-infection impairs monocyte recruitment to the lung, increases dengue virus titers, and exacerbates pneumonia. <i>European Journal of Immunology</i> , 2017, 47, 527-539. | 2.9 | 16 |
| 26 | Leukocyte-derived microvesicles dock on glomerular endothelial cells: stardust in the kidney. <i>Kidney International</i> , 2017, 91, 13-15. | 5.2 | 3 |
| 27 | Blood vessel control of macrophage maturation promotes arteriogenesis in ischemia. <i>Nature Communications</i> , 2017, 8, 952. | 12.8 | 83 |
| 28 | Neutrophils Are Critical for Myelin Removal in a Peripheral Nerve Injury Model of Wallerian Degeneration. <i>Journal of Neuroscience</i> , 2017, 37, 10258-10277. | 3.6 | 122 |
| 29 | Host STING-dependent MDSC mobilization drives extrinsic radiation resistance. <i>Nature Communications</i> , 2017, 8, 1736. | 12.8 | 304 |
| 30 | Erythrocyte efferocytosis modulates macrophages towards recovery after intracerebral hemorrhage. <i>Journal of Clinical Investigation</i> , 2017, 128, 607-624. | 8.2 | 132 |
| 31 | Fis Is Essential for <i>Yersinia pseudotuberculosis</i> Virulence and Protects against Reactive Oxygen Species Produced by Phagocytic Cells during Infection. <i>PLoS Pathogens</i> , 2016, 12, e1005898. | 4.7 | 27 |
| 32 | IL-3 promotes the development of experimental autoimmune encephalitis. <i>JCI Insight</i> , 2016, 1, e87157. | 5.0 | 39 |
| 33 | ISN Nexus 2016 Symposia: Translational Immunology in Kidney Disease—The Berlin Roadmap. <i>Kidney International Reports</i> , 2016, 1, 327-339. | 0.8 | 1 |
| 34 | LDHA-Associated Lactic Acid Production Blunts Tumor Immunosurveillance by T and NK Cells. <i>Cell Metabolism</i> , 2016, 24, 657-671. | 16.2 | 1,126 |
| 35 | G2A Signaling Dampens Colitic Inflammation via Production of IFN- β . <i>Journal of Immunology</i> , 2016, 197, 1425-1434. | 0.8 | 22 |
| 36 | Dysregulated Type I Interferon and Inflammatory Monocyte-Macrophage Responses Cause Lethal Pneumonia in SARS-CoV-Infected Mice. <i>Cell Host and Microbe</i> , 2016, 19, 181-193. | 11.0 | 1,284 |

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|----|--|------|-----------|
| 37 | Specific Depletion of Ly6Chi Inflammatory Monocytes Prevents Immunopathology in Experimental Cerebral Malaria. PLoS ONE, 2015, 10, e0124080. | 2.5 | 60 |
| 38 | Basophils inhibit proliferation of CD4 ⁺ T cells in autologous and allogeneic mixed lymphocyte reactions and limit disease activity in a murine model of graft versus host disease. Immunology, 2015, 145, 202-212. | 4.4 | 7 |
| 39 | Ly6Chigh Monocytes Control Cerebral Toxoplasmosis. Journal of Immunology, 2015, 194, 3223-3235. | 0.8 | 99 |
| 40 | IL-3 contributes to development of lupus nephritis in MRL/lpr mice. Kidney International, 2015, 88, 1088-1098. | 5.2 | 33 |
| 41 | B cell inhibition by cross-linking CD79b is superior to B cell depletion with anti-CD20 antibodies in treating murine collagen-induced arthritis. European Journal of Immunology, 2015, 45, 705-715. | 2.9 | 23 |
| 42 | Origin of myofibroblasts and cellular events triggering fibrosis. Kidney International, 2015, 87, 297-307. | 5.2 | 291 |
| 43 | Chondroitin sulfate activates B cells in vitro, expands CD138 ⁺ cells in vivo, and interferes with established humoral immune responses. Journal of Leukocyte Biology, 2014, 96, 65-72. | 3.3 | 5 |
| 44 | Inhibition of Cyclooxygenase-2 Prevents Chronic and Recurrent Cystitis. EBioMedicine, 2014, 1, 46-57. | 6.1 | 92 |
| 45 | Monocytes/Macrophages Control Resolution of Transient Inflammatory Pain. Journal of Pain, 2014, 15, 496-506. | 1.4 | 98 |
| 46 | Fibrocytes develop outside the kidney but contribute to renal fibrosis in a mouse model. Kidney International, 2013, 84, 78-89. | 5.2 | 102 |
| 47 | Resistance of the Brain to Escherichia coli K1 Infection Depends on MyD88 Signaling and the Contribution of Neutrophils and Monocytes. Infection and Immunity, 2013, 81, 1810-1819. | 2.2 | 34 |
| 48 | Myeloid Cells Expressing VEGF and Arginase-1 Following Uptake of Damaged Retinal Pigment Epithelium Suggests Potential Mechanism That Drives the Onset of Choroidal Angiogenesis in Mice. PLoS ONE, 2013, 8, e72935. | 2.5 | 79 |
| 49 | Properties of 7ND-CCL2 are modulated upon fusion to Fc. Protein Engineering, Design and Selection, 2012, 25, 213-222. | 2.1 | 10 |
| 50 | Ly6Chi Monocytes in the Inflamed Colon Give Rise to Proinflammatory Effector Cells and Migratory Antigen-Presenting Cells. Immunity, 2012, 37, 1076-1090. | 14.3 | 613 |
| 51 | Licensing of myeloid cells promotes central nervous system autoimmunity and is controlled by peroxisome proliferator-activated receptor β . Brain, 2012, 135, 1586-1605. | 7.6 | 51 |
| 52 | Monocytes Control Second-Phase Neutrophil Emigration in Established Lipopolysaccharide-induced Murine Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2012, 186, 514-524. | 5.6 | 104 |
| 53 | In vivo imaging implicates CCR2 ⁺ monocytes as regulators of neutrophil recruitment during arthritis. Cellular Immunology, 2012, 278, 103-112. | 3.0 | 29 |
| 54 | Basophils Support the Survival of Plasma Cells in Mice. Journal of Immunology, 2010, 185, 7180-7185. | 0.8 | 115 |

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|----|--|------|-----------|
| 55 | CCR2+Ly-6Chi monocytes are crucial for the effector phase of autoimmunity in the central nervous system. <i>Brain</i> , 2009, 132, 2487-2500. | 7.6 | 393 |
| 56 | Podocyte antigens, dendritic cells and T cells contribute to renal injury in newly developed mouse models of glomerulonephritis. <i>Nephrology Dialysis Transplantation</i> , 2009, 24, 2984-2986. | 0.7 | 3 |
| 57 | CD4 ⁺ T cells control the differentiation of Gr1 ⁺ monocytes into fibrocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 17892-17897. | 7.1 | 207 |
| 58 | Important role of interleukin-6 in the early phase of collagen-induced arthritis. <i>Arthritis and Rheumatism</i> , 2009, 60, 1352-1361. | 6.7 | 28 |
| 59 | Basophils and mast cells in renal injury. <i>Kidney International</i> , 2009, 76, 1142-1147. | 5.2 | 30 |
| 60 | Basophils enhance immunological memory responses. <i>Nature Immunology</i> , 2008, 9, 733-742. | 14.5 | 283 |
| 61 | Dose dependent effects of platelet derived chondroitinsulfate A on the binding of CCL5 to endothelial cells. <i>BMC Immunology</i> , 2008, 9, 72. | 2.2 | 6 |
| 62 | The Critical Role of IL-15 in the Antitumor Effects Mediated by the Combination Therapy Imatinib and IL-2. <i>Journal of Immunology</i> , 2008, 180, 6477-6483. | 0.8 | 44 |
| 63 | Ly-6G+CCR2 ⁺ Myeloid Cells Rather Than Ly-6ChighCCR2+ Monocytes Are Required for the Control of Bacterial Infection in the Central Nervous System. <i>Journal of Immunology</i> , 2008, 181, 2713-2722. | 0.8 | 43 |
| 64 | Lung epithelial apoptosis in influenza virus pneumonia: the role of macrophage-expressed TNF-related apoptosis-inducing ligand. <i>Journal of Experimental Medicine</i> , 2008, 205, 3065-3077. | 8.5 | 323 |
| 65 | Critical roles for CCR2 and MCP-3 in monocyte mobilization from bone marrow and recruitment to inflammatory sites. <i>Journal of Clinical Investigation</i> , 2007, 117, 902-909. | 8.2 | 909 |
| 66 | Targeting of Gr1 ⁺ , CCR2 ⁺ monocytes in collagen-induced arthritis. <i>Arthritis and Rheumatism</i> , 2007, 56, 2975-2985. | 6.7 | 107 |
| 67 | Differential mechanisms of microparticle transfer to B cells and monocytes: anti-inflammatory properties of microparticles. <i>European Journal of Immunology</i> , 2006, 36, 648-660. | 2.9 | 91 |
| 68 | In vitro and in vivo properties of a dimeric bispecific single-chain antibody IgG-fusion protein for depletion of CCR2 ⁺ target cells in mice. <i>European Journal of Immunology</i> , 2005, 35, 987-995. | 2.9 | 9 |
| 69 | Preferential Targeting of CD4-CCR5 Complexes with Bifunctional Inhibitors: A Novel Approach to Block HIV-1 Infection. <i>Journal of Immunology</i> , 2005, 175, 7586-7593. | 0.8 | 11 |
| 70 | Identification of Antigen-Capturing Cells as Basophils. <i>Journal of Immunology</i> , 2005, 174, 735-741. | 0.8 | 66 |
| 71 | Differentiation to the CCR2 ⁺ Inflammatory Phenotype In Vivo Is a Constitutive, Time-Limited Property of Blood Monocytes and Is Independent of Local Inflammatory Mediators. <i>Journal of Immunology</i> , 2005, 175, 6915-6923. | 0.8 | 55 |
| 72 | Dual Role of CCR2 during Initiation and Progression of Collagen-Induced Arthritis: Evidence for Regulatory Activity of CCR2 ⁺ T Cells. <i>Journal of Immunology</i> , 2004, 172, 890-898. | 0.8 | 169 |

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|----|--|------|-----------|
| 73 | Multiple Active States and Oligomerization of CCR5 Revealed by Functional Properties of Monoclonal Antibodies. <i>Molecular Biology of the Cell</i> , 2002, 13, 723-737. | 2.1 | 137 |
| 74 | Chondroitin sulfate A released from platelets blocks RANTES presentation on cell surfaces and RANTES-dependent firm adhesion of leukocytes. <i>European Journal of Immunology</i> , 2002, 32, 1012-1020. | 2.9 | 24 |
| 75 | Expression of chemokines and chemokine receptors during human renal transplant rejection. <i>American Journal of Kidney Diseases</i> , 2001, 37, 518-531. | 1.9 | 200 |
| 76 | Depletion of CCR5-Expressing Cells with Bispecific Antibodies and Chemokine Toxins: A New Strategy in the Treatment of Chronic Inflammatory Diseases and HIV. <i>Journal of Immunology</i> , 2001, 166, 2420-2426. | 0.8 | 40 |
| 77 | Expression and Characterization of the Chemokine Receptors CCR2 and CCR5 in Mice. <i>Journal of Immunology</i> , 2001, 166, 4697-4704. | 0.8 | 387 |
| 78 | The Duffy antigen receptor for chemokines is up-regulated during acute renal transplant rejection and crescentic glomerulonephritis. <i>Kidney International</i> , 2000, 58, 1546-1556. | 5.2 | 81 |
| 79 | Transfer of the chemokine receptor CCR5 between cells by membrane-derived microparticles: A mechanism for cellular human immunodeficiency virus 1 infection. <i>Nature Medicine</i> , 2000, 6, 769-775. | 30.7 | 541 |
| 80 | Predominance of mononuclear cells expressing the chemokine receptor CCR5 in synovial effusions of patients with different forms of arthritis. <i>Arthritis and Rheumatism</i> , 1999, 42, 981-988. | 6.7 | 128 |