Matthias Mack

List of Publications by Year
in descending order

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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	Dysregulated Type I Interferon and Inflammatory Monocyte-Macrophage Responses Cause Lethal Pneumonia in SARS-CoV-Infected Mice. Cell Host and Microbe, 2016, 19, 181-193.	11.0	1,284
2	LDHA-Associated Lactic Acid Production Blunts Tumor Immunosurveillance by T and NK Cells. Cell Metabolism, 2016, 24, 657-671.	16.2	1,126
3	Critical roles for CCR2 and MCP-3 in monocyte mobilization from bone marrow and recruitment to inflammatory sites. Journal of Clinical Investigation, 2007, 117, 902-909.	8.2	909
4	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
5	Transfer of the chemokine receptor CCR5 between cells by membrane-derived microparticles: A mechanism for cellular human immunodeficiency virus 1 infection. Nature Medicine, 2000, 6, 769-775.	30.7	541
6	CCR2+Ly-6Chi monocytes are crucial for the effector phase of autoimmunity in the central nervous system. Brain, 2009, 132, 2487-2500.	7.6	393
7	Expression and Characterization of the Chemokine Receptors CCR2 and CCR5 in Mice. Journal of Immunology, 2001, 166, 4697-4704.	0.8	387
8	Inflammation and fibrosis. Matrix Biology, 2018, 68-69, 106-121.	3.6	325
9	Lung epithelial apoptosis in influenza virus pneumonia: the role of macrophage-expressed TNF-related apoptosis-inducing ligand. Journal of Experimental Medicine, 2008, 205, 3065-3077.	8.5	323
10	Host STING-dependent MDSC mobilization drives extrinsic radiation resistance. Nature Communications, 2017, 8, 1736.	12.8	304
11	Origin of myofibroblasts and cellular events triggering fibrosis. Kidney International, 2015, 87, 297-307.	5.2	291
12	Basophils enhance immunological memory responses. Nature Immunology, 2008, 9, 733-742.	14.5	283
13	CD4⁺T cells control the differentiation of Gr1⁺monocytes into fibrocytes. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 17892-17897.	7.1	207
14	Expression of chemokines and chemokine receptors during human renal transplant rejection. American Journal of Kidney Diseases, 2001, 37, 518-531.	1.9	200
15	CCR2+ Monocyte-Derived Infiltrating Macrophages Are Required for AdverseÂCardiac Remodeling DuringÂPressure Overload. JACC Basic To Translational Science, 2018, 3, 230-244.	4.1	186
16	Dual Role of CCR2 during Initiation and Progression of Collagen-Induced Arthritis: Evidence for Regulatory Activity of CCR2+ T Cells. Journal of Immunology, 2004, 172, 890-898.	0.8	169
17	Promotion of cholangiocarcinoma growth by diverse cancer-associated fibroblast subpopulations. Cancer Cell, 2021, 39, 866-882.e11.	16.8	159
18	Tumor restriction by type I collagen opposes tumor-promoting effects of cancer-associated fibroblasts. Journal of Clinical Investigation, 2021, 131, .	8.2	144

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19	Multiple Active States and Oligomerization of CCR5 Revealed by Functional Properties of Monoclonal Antibodies. Molecular Biology of the Cell, 2002, 13, 723-737.	2.1	137
20	Erythrocyte efferocytosis modulates macrophages towards recovery after intracerebral hemorrhage. Journal of Clinical Investigation, 2017, 128, 607-624.	8.2	132
21	Predominance of mononuclear cells expressing the chemokine receptor CCR5 in synovial effusions of patients with different forms of arthritis. Arthritis and Rheumatism, 1999, 42, 981-988.	6.7	128
22	Mechanical strain determines the site-specific localization of inflammation and tissue damage in arthritis. Nature Communications, 2018, 9, 4613.	12.8	128
23	Neutrophils Are Critical for Myelin Removal in a Peripheral Nerve Injury Model of Wallerian Degeneration. Journal of Neuroscience, 2017, 37, 10258-10277.	3.6	122
24	Basophils Support the Survival of Plasma Cells in Mice. Journal of Immunology, 2010, 185, 7180-7185.	0.8	115
25	Targeting of Grâ€1+,CCR2+ monocytes in collagenâ€induced arthritis. Arthritis and Rheumatism, 2007, 56, 2975-2985.	6.7	107
26	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
27	Fibrocytes develop outside the kidney but contribute to renal fibrosis in a mouse model. Kidney International, 2013, 84, 78-89.	5.2	102
28	Ly6Chigh Monocytes Control Cerebral Toxoplasmosis. Journal of Immunology, 2015, 194, 3223-3235.	0.8	99
29	Monocytes/Macrophages Control Resolution of Transient Inflammatory Pain. Journal of Pain, 2014, 15, 496-506.	1.4	98
30	Inhibition of Cyclooxygenase-2 Prevents Chronic and Recurrent Cystitis. EBioMedicine, 2014, 1, 46-57.	6.1	92
31	Differential mechanisms of microparticle transfer toB cells and monocytes: anti-inflammatory propertiesof microparticles. European Journal of Immunology, 2006, 36, 648-660.	2.9	91
32	Blood vessel control of macrophage maturation promotes arteriogenesis in ischemia. Nature Communications, 2017, 8, 952.	12.8	83
33	Cellular Origin and Functional Relevance of Collagen I Production in the Kidney. Journal of the American Society of Nephrology: JASN, 2018, 29, 1859-1873.	6.1	82
34	The Duffy antigen receptor for chemokines is up-regulated during acute renal transplant rejection and crescentic glomerulonephritis. Kidney International, 2000, 58, 1546-1556.	5.2	81
35	Inflammatory monocytes require type I interferon receptor signaling to activate NK cells via IL-18 during a mucosal viral infection. Journal of Experimental Medicine, 2017, 214, 1153-1167.	8.5	80
36	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

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37	Cxcl10+ monocytes define a pathogenic subset in the central nervous system during autoimmune neuroinflammation. Nature Immunology, 2020, 21, 525-534.	14.5	74
38	Identification of Antigen-Capturing Cells as Basophils. Journal of Immunology, 2005, 174, 735-741.	0.8	66
39	Gut-resident CX3CR1 ^{hi} macrophages induce tertiary lymphoid structures and IgA response in situ. Science Immunology, 2020, 5, .	11.9	63
40	Specific Depletion of Ly6Chi Inflammatory Monocytes Prevents Immunopathology in Experimental Cerebral Malaria. PLoS ONE, 2015, 10, e0124080.	2.5	60
41	Differentiation to the CCR2+ Inflammatory Phenotype In Vivo Is a Constitutive, Time-Limited Property of Blood Monocytes and Is Independent of Local Inflammatory Mediators. Journal of Immunology, 2005, 175, 6915-6923.	0.8	55
42	Licensing of myeloid cells promotes central nervous system autoimmunity and is controlled by peroxisome proliferator-activated receptor Î³. Brain, 2012, 135, 1586-1605.	7.6	51
43	The Critical Role of IL-15 in the Antitumor Effects Mediated by the Combination Therapy Imatinib and IL-2. Journal of Immunology, 2008, 180, 6477-6483.	0.8	44
44	Ly-6G+CCR2â^' Myeloid Cells Rather Than Ly-6ChighCCR2+ Monocytes Are Required for the Control of Bacterial Infection in the Central Nervous System. Journal of Immunology, 2008, 181, 2713-2722.	0.8	43
45	Depletion of CCR5-Expressing Cells with Bispecific Antibodies and Chemokine Toxins: A New Strategy in the Treatment of Chronic Inflammatory Diseases and HIV. Journal of Immunology, 2001, 166, 2420-2426.	0.8	40
46	IL-3 promotes the development of experimental autoimmune encephalitis. JCI Insight, 2016, 1, e87157.	5.0	39
47	Role of Monocyte-Derived MicroRNA106bâ^¼25 in Resilience to Social Stress. Biological Psychiatry, 2019, 86, 474-482.	1.3	35
48	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
49	IL-3 contributes to development of lupus nephritis in MRL/lpr mice. Kidney International, 2015, 88, 1088-1098.	5.2	33
50	Persistence of Systemic Murine Norovirus Is Maintained by Inflammatory Recruitment of Susceptible Myeloid Cells. Cell Host and Microbe, 2018, 24, 665-676.e4.	11.0	31
51	Basophils and mast cells in renal injury. Kidney International, 2009, 76, 1142-1147.	5.2	30
52	In vivo imaging implicates CCR2+ monocytes as regulators of neutrophil recruitment during arthritis. Cellular Immunology, 2012, 278, 103-112.	3.0	29
53	Important role of interleukinâ€3 in the early phase of collagenâ€induced arthritis. Arthritis and Rheumatism, 2009, 60, 1352-1361.	6.7	28
54	Fis Is Essential for Yersinia pseudotuberculosis Virulence and Protects against Reactive Oxygen Species Produced by Phagocytic Cells during Infection. PLoS Pathogens, 2016, 12, e1005898.	4.7	27

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55	Metabolic imbalance of T cells in COVID-19 is hallmarked by basigin and mitigated by dexamethasone. Journal of Clinical Investigation, 2021, 131, .	8.2	25
56	Chondroitin sulfate A released from platelets blocks RANTES presentation on cell surfaces and RANTES-dependent firm adhesion of leukocytes. European Journal of Immunology, 2002, 32, 1012-1020.	2.9	24
57	Bâ€cell inhibition by crossâ€linking CD79b is superior to Bâ€cell depletion with antiâ€CD20 antibodies in treating murine collagenâ€induced arthritis. European Journal of Immunology, 2015, 45, 705-715.	2.9	23
58	Brown adipose tissue monocytes support tissue expansion. Nature Communications, 2021, 12, 5255.	12.8	23
59	G2A Signaling Dampens Colitic Inflammation via Production of IFN-Î³. Journal of Immunology, 2016, 197, 1425-1434.	0.8	22
60	Influenza and dengue virus coâ€infection impairs monocyte recruitment to the lung, increases dengue virus titers, and exacerbates pneumonia. European Journal of Immunology, 2017, 47, 527-539.	2.9	16
61	IL-3 Triggers Chronic Rejection of Cardiac Allografts by Activation of Infiltrating Basophils. Journal of Immunology, 2019, 202, 3514-3523.	0.8	14
62	Current kidney function parameters overestimate kidney tissue repair in reversible experimental kidney disease. Kidney International, 2022, 102, 307-320.	5.2	14
63	Expression of IL-3 receptors and impact of IL-3 on human T and B cells. Cellular Immunology, 2018, 334, 49-60.	3.0	13
64	Preferential Targeting of CD4-CCR5 Complexes with Bifunctional Inhibitors: A Novel Approach to Block HIV-1 Infection. Journal of Immunology, 2005, 175, 7586-7593.	0.8	11
65	Severe T cell hyporeactivity in ventilated COVID-19 patients correlates with prolonged virus persistence and poor outcomes. Nature Communications, 2021, 12, 3006.	12.8	11
66	Properties of 7ND-CCL2 are modulated upon fusion to Fc. Protein Engineering, Design and Selection, 2012, 25, 213-222.	2.1	10
67	Interleukinâ€33 improves local immunity during Gramâ€negative pneumonia by a combined effect on neutrophils and inflammatory monocytes. Journal of Pathology, 2021, 253, 374-383.	4.5	10
68	Chronic Toxoplasma gondii infection enhances susceptibility to colitis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	10
69	A TLR7 antagonist restricts interferon-dependent and -independent immunopathology in a mouse model of severe influenza. Journal of Experimental Medicine, 2021, 218, .	8.5	10
70	In vitroandin vivoproperties of a dimeric bispecific single-chain antibody IgG-fusion protein for depletion of CCR2+target cells in mice. European Journal of Immunology, 2005, 35, 987-995.	2.9	9
71	Basophils inhibit proliferation of <scp>CD</scp>4⁺<scp>T</scp> 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
72	Dose dependent effects of platelet derived chondroitinsulfate A on the binding of CCL5 to endothelial cells. BMC Immunology, 2008, 9, 72.	2.2	6

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73	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
74	uPAâ€PAIâ€1 heteromerization promotes breast cancer progression by attracting tumorigenic neutrophils. EMBO Molecular Medicine, 2021, 13, e13110.	6.9	5
75	Podocyte antigens, dendritic cells and T cells contribute to renal injury in newly developed mouse models of glomerulonephritis. Nephrology Dialysis Transplantation, 2009, 24, 2984-2986.	0.7	3
76	Leukocyte-derived microvesicles dock on glomerular endothelial cells: stardust in the kidney. Kidney International, 2017, 91, 13-15.	5.2	3
77	Monocytes Elicit a Neutrophil-Independent Th1/Th17 Response Upon Immunization With a Mincle-Dependent Glycolipid Adjuvant. Frontiers in Immunology, 2022, 13, 880474.	4.8	3
78	ISN Nexus 2016 Symposia: Translational Immunology in Kidney Diseaseâ€"The Berlin Roadmap. Kidney International Reports, 2016, 1, 327-339.	0.8	1
79	Bâ€cell modulation with antiâ€CD79b antibodies ameliorates experimental autoimmune encephalitis in mice. European Journal of Immunology, 2022, 52, 656-668.	2.9	0
80	Donor-But Not Recipient-Derived Cells Produce Collagen-1 in Chronically Rejected Cardiac Allografts. Frontiers in Immunology, 2021, 12, 816509.	4.8	0