

Manfred Nairz

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

4,098
citations

201385

27
h-index

233125

45
g-index

48
all docs

48
docs citations

48
times ranked

7484
citing authors

#	ARTICLE	IF	CITATIONS
1	On-demand erythrocyte disposal and iron recycling requires transient macrophages in the liver. <i>Nature Medicine</i> , 2016, 22, 945-951.	15.2	333
2	The struggle for iron - a metal at the host-pathogen interface. <i>Cellular Microbiology</i> , 2010, 12, 1691-1702.	1.1	332
3	Cardiopulmonary recovery after COVID-19: an observational prospective multicentre trial. <i>European Respiratory Journal</i> , 2021, 57, 2003481.	3.1	313
4	Faecal calprotectin indicates intestinal inflammation in COVID-19. <i>Gut</i> , 2020, 69, 1543-1544.	6.1	247
5	Genomic epidemiology of superspreading events in Austria reveals mutational dynamics and transmission properties of SARS-CoV-2. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	203
6	Iron in infection and immunity. <i>Molecular Aspects of Medicine</i> , 2020, 75, 100864.	2.7	184
7	The co-ordinated regulation of iron homeostasis in murine macrophages limits the availability of iron for intracellular <i>Salmonella typhimurium</i> . <i>Cellular Microbiology</i> , 2007, 9, 2126-2140.	1.1	174
8	Nitric oxide-mediated regulation of ferroportin-1 controls macrophage iron homeostasis and immune function in <i>Salmonella</i> infection. <i>Journal of Experimental Medicine</i> , 2013, 210, 855-873.	4.2	174
9	Erythropoietin Contrastingly Affects Bacterial Infection and Experimental Colitis by Inhibiting Nuclear Factor- κ B-Inducible Immune Pathways. <i>Immunity</i> , 2011, 34, 61-74.	6.6	167
10	Momelotinib inhibits ACVR1/ALK2, decreases hepcidin production, and ameliorates anemia of chronic disease in rodents. <i>Blood</i> , 2017, 129, 1823-1830.	0.6	157
11	The pleiotropic effects of erythropoietin in infection and inflammation. <i>Microbes and Infection</i> , 2012, 14, 238-246.	1.0	136
12	Absence of functional Hfe protects mice from invasive <i>Salmonella enterica</i> Serovar Typhimurium infection via induction of lipocalin-2. <i>Blood</i> , 2009, 114, 3642-3651.	0.6	132
13	“Pumping iron” how macrophages handle iron at the systemic, microenvironmental, and cellular levels. <i>Pflügers Archiv European Journal of Physiology</i> , 2017, 469, 397-418.	1.3	132
14	Persisting alterations of iron homeostasis in COVID-19 are associated with non-resolving lung pathologies and poor patients’ performance: a prospective observational cohort study. <i>Respiratory Research</i> , 2020, 21, 276.	1.4	129
15	Iron in the Tumor Microenvironment “Connecting the Dots. <i>Frontiers in Oncology</i> , 2018, 8, 549.	1.3	108
16	Ferritin-Mediated Iron Sequestration Stabilizes Hypoxia-Inducible Factor-1 α upon LPS Activation in the Presence of Ample Oxygen. <i>Cell Reports</i> , 2015, 13, 2048-2055.	2.9	106
17	Iron deficiency or anemia of inflammation?. <i>Wiener Medizinische Wochenschrift</i> , 2016, 166, 411-423.	0.5	100
18	The Arachidonic Acid Metabolome Serves as a Conserved Regulator of Cholesterol Metabolism. <i>Cell Metabolism</i> , 2014, 20, 787-798.	7.2	92

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19	Iron Regulatory Proteins Mediate Host Resistance to Salmonella Infection. <i>Cell Host and Microbe</i> , 2015, 18, 254-261.	5.1	92
20	Slc11a1 limits intracellular growth of <i>Salmonella enterica</i> sv. Typhimurium by promoting macrophage immune effector functions and impairing bacterial iron acquisition. <i>Cellular Microbiology</i> , 2009, 11, 1365-1381.	1.1	89
21	Iron and innate antimicrobial immunity—Depriving the pathogen, defending the host. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018, 48, 118-133.	1.5	82
22	“Ride on the ferrous wheel”™ The cycle of iron in macrophages in health and disease. <i>Immunobiology</i> , 2015, 220, 280-294.	0.8	65
23	Clinical validation of the Siemens quantitative SARS-CoV-2 spike IgG assay (sCOVG) reveals improved sensitivity and a good correlation with virus neutralization titers. <i>Clinical Chemistry and Laboratory Medicine</i> , 2021, 59, 1453-1462.	1.4	59
24	Heme oxygenase 1 controls early innate immune response of macrophages to <i>Salmonella</i> Typhimurium infection. <i>Cellular Microbiology</i> , 2016, 18, 1374-1389.	1.1	55
25	Dopamine promotes cellular iron accumulation and oxidative stress responses in macrophages. <i>Biochemical Pharmacology</i> , 2018, 148, 193-201.	2.0	55
26	Lipocalin ² ensures host defense against <i>Salmonella</i> Typhimurium by controlling macrophage iron homeostasis and immune response. <i>European Journal of Immunology</i> , 2015, 45, 3073-3086.	1.6	53
27	Hepcidin as a predictive factor and therapeutic target in erythropoiesis-stimulating agent treatment for anemia of chronic disease in rats. <i>Haematologica</i> , 2014, 99, 1516-1524.	1.7	44
28	Dopamine Is a Siderophore-Like Iron Chelator That Promotes <i>Salmonella enterica</i> Serovar Typhimurium Virulence in Mice. <i>MBio</i> , 2019, 10, .	1.8	32
29	The haemochromatosis gene Hfe and Kupffer cells control LDL cholesterol homeostasis and impact on atherosclerosis development. <i>European Heart Journal</i> , 2020, 41, 3949-3959.	1.0	32
30	Linkage of alterations in systemic iron homeostasis to patients' outcome in sepsis: a prospective study. <i>Journal of Intensive Care</i> , 2020, 8, 76.	1.3	30
31	Investigating phenotypes of pulmonary COVID-19 recovery: A longitudinal observational prospective multicenter trial. <i>ELife</i> , 2022, 11, .	2.8	30
32	Fibrates ameliorate the course of bacterial sepsis by promoting neutrophil recruitment via <i>CXCR2</i> . <i>EMBO Molecular Medicine</i> , 2014, 6, 810-820.	3.3	29
33	Evaluation of four commercial, fully automated SARS-CoV-2 antibody tests suggests a revision of the Siemens SARS-CoV-2 IgG assay. <i>Clinical Chemistry and Laboratory Medicine</i> , 2021, 59, 1143-1154.	1.4	24
34	Baseline iron status and presence of anaemia determine the course of systemic Salmonella infection following oral iron supplementation in mice. <i>EBioMedicine</i> , 2021, 71, 103568.	2.7	18
35	Ferritin H deficiency deteriorates cellular iron handling and worsens Salmonella typhimurium infection by triggering hyperinflammation. <i>JCI Insight</i> , 2021, 6, .	2.3	16
36	Iron in health and disease. <i>Molecular Aspects of Medicine</i> , 2020, 75, 100906.	2.7	14

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37	Overcoming limitations in the availability of swabs systems used for SARS-CoV-2 laboratory diagnostics. <i>Scientific Reports</i> , 2021, 11, 2261.	1.6	14
38	Regulation of Th1 T Cell Differentiation by Iron via Upregulation of T Cell Immunoglobulin and Mucin Containing Protein-3 (TIM-3). <i>Frontiers in Immunology</i> , 2021, 12, 637809.	2.2	12
39	Iron Supplementation Interferes With Immune Therapy of Murine Mammary Carcinoma by Inhibiting Anti-Tumor T Cell Function. <i>Frontiers in Oncology</i> , 2020, 10, 584477.	1.3	10
40	The Jak1/Jak2 Inhibitor Momelotinib Inhibits Alk2, Decreases Hepcidin Production and Ameliorates Anemia of Chronic Disease (ACD) in Rodents. <i>Blood</i> , 2015, 126, 538-538.	0.6	4
41	Cell-specific expression of <i>Hfe</i> determines the outcome of <i>Salmonella enterica</i> serovar Typhimurium infection in mice. <i>Haematologica</i> , 2021, 106, 0-0.	1.7	4
42	Quantity of IgG response to SARS-CoV-2 spike glycoprotein predicts pulmonary recovery from COVID-19. <i>Scientific Reports</i> , 2022, 12, 3677.	1.6	4
43	TAM-ing the CIA – Tumor-Associated Macrophages and Their Potential Role in Unintended Side Effects of Therapeutics for Cancer-Induced Anemia. <i>Frontiers in Oncology</i> , 2021, 11, 627223.	1.3	3
44	Pharmacological Targeting of BMP6-SMAD Mediated Hepcidin Expression Does Not Improve the Outcome of Systemic Infections With Intra-Or Extracellular Gram-Negative Bacteria in Mice. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 705087.	1.8	3
45	Cloak and dagger – secondary hemophagocytic lymphohistiocytosis caused by intravenous autoinfection. <i>American Journal of Hematology</i> , 2020, 95, 330-332.	2.0	1