

The Role of Iron Regulation in Immunometabolism and

Frontiers in Molecular Biosciences

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Iron deficiency after kidney transplantation. <i>Nephrology Dialysis Transplantation</i> , 2021, 36, 1976-1985.	0.4	11
2	Evidence of Renal Iron Accumulation in a Male Mouse Model of Lupus. <i>Frontiers in Medicine</i> , 2020, 7, 516.	1.2	8
3	Injecting Immunosuppressive M2 Macrophages Alleviates the Symptoms of Periodontitis in Mice. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 603817.	1.6	18
4	Divergent Impact of Glucose Availability on Human Virus-Specific and Generically Activated CD8 T Cells. <i>Metabolites</i> , 2020, 10, 461.	1.3	5
5	<i>Drosophila melanogaster</i> Mitochondrial Carriers: Similarities and Differences with the Human Carriers. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6052.	1.8	16
6	Immunometabolism, Micronutrients, and Bariatric Surgery: The Use of Transcriptomics and Microbiota-Targeted Therapies. <i>Mediators of Inflammation</i> , 2020, 2020, 1-18.	1.4	3
7	Immune Escape in Prostate Cancer. <i>Urologic Clinics of North America</i> , 2020, 47, e9-e16.	0.8	7
8	Iron: An Essential Element of Cancer Metabolism. <i>Cells</i> , 2020, 9, 2591.	1.8	56
10	Understanding Metal Dynamics Between Cancer Cells and Macrophages: Competition or Synergism?. <i>Frontiers in Oncology</i> , 2020, 10, 646.	1.3	26
11	Adipose tissue macrophages: Unique polarization and bioenergetics in obesity. <i>Immunological Reviews</i> , 2020, 295, 101-113.	2.8	68
12	Effect of lead exposure and nutritional iron-deficiency on immune response: A vaccine challenge study in rats. <i>Journal of Immunotoxicology</i> , 2020, 17, 144-152.	0.9	5
13	Iron: The cancer connection. <i>Molecular Aspects of Medicine</i> , 2020, 75, 100860.	2.7	89
14	Altered Iron Metabolism and Impact in Cancer Biology, Metastasis, and Immunology. <i>Frontiers in Oncology</i> , 2020, 10, 476.	1.3	153
15	Hematopoietic Stem Cell Transplantation Is a Curative Therapy for Transferrin Receptor 1 (TFRC) Deficiency. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2021, 9, 753-759.e2.	2.0	4
16	Allergens and Adjuvants in Allergen Immunotherapy for Immune Activation, Tolerance, and Resilience. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2021, 9, 1780-1789.	2.0	31
17	Cell-type-specific insights into iron regulatory processes. <i>American Journal of Hematology</i> , 2021, 96, 110-127.	2.0	28
18	Development of a fluorometric measurement system used in biological samples upon the determination of iron (II) metal ion. <i>Preparative Biochemistry and Biotechnology</i> , 2021, 51, 361-374.	1.0	0
19	The versatile biochemistry of iron in macrophage effector functions. <i>FEBS Journal</i> , 2021, 288, 6972-6989.	2.2	12

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20	Iron Metabolism in the Tumor Microenvironment: Contributions of Innate Immune Cells. <i>Frontiers in Immunology</i> , 2020, 11, 626812.	2.2	29
21	Cancer Related Anemia: An Integrated Multitarget Approach and Lifestyle Interventions. <i>Nutrients</i> , 2021, 13, 482.	1.7	17
22	Fruits and Vegetables in the Management of Underlying Conditions for COVID-19 High-Risk Groups. <i>Foods</i> , 2021, 10, 389.	1.9	22
23	Transferrin-mediated iron sequestration suggests a novel therapeutic strategy for controlling Nosema disease in the honey bee, <i>Apis mellifera</i> . <i>PLoS Pathogens</i> , 2021, 17, e1009270.	2.1	22
24	The Metabolic Response to Infection With <i>Wolbachia</i> Implicates the Insulin/Insulin-Like-Growth Factor and Hypoxia Signaling Pathways in <i>Drosophila melanogaster</i> . <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	6
25	Effect of 8-Day Fasting on Leukocytes Expression of Genes and Proteins Involved in Iron Metabolism in Healthy Men. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3248.	1.8	4
26	The Iron Chelator Desferrioxamine Increases the Efficacy of Bedaquiline in Primary Human Macrophages Infected with BCG. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2938.	1.8	6
27	Iron Acquisition Systems of Gram-negative Bacterial Pathogens Define TonB-Dependent Pathways to Novel Antibiotics. <i>Chemical Reviews</i> , 2021, 121, 5193-5239.	23.0	64
28	Iron Status of Vegans, Vegetarians and Pescatarians in Norway. <i>Biomolecules</i> , 2021, 11, 454.	1.8	9
29	Iron-withdrawing anti-infectives for new host-directed therapies based on iron dependence, the Achilles™ heel of antibiotic-resistant microbes. <i>Environmental Chemistry Letters</i> , 2021, 19, 2789-2808.	8.3	9
30	On Iron Metabolism and Its Regulation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4591.	1.8	141
31	Sexual dimorphism in immunometabolism and autoimmunity: Impact on personalized medicine. <i>Autoimmunity Reviews</i> , 2021, 20, 102775.	2.5	12
32	Comprehensive analysis of ferritin subunits expression and positive correlations with tumor-associated macrophages and T regulatory cells infiltration in most solid tumors. <i>Aging</i> , 2021, 13, 11491-11506.	1.4	24
33	Comprehensive Analysis of the Components of Walnut Kernel (<i>Juglans regia</i> L.) in China. <i>Journal of Food Quality</i> , 2021, 2021, 1-11.	1.4	11
34	Immunomodulatory diet in pediatric age. <i>Minerva Pediatrics</i> , 2021, 73, 128-149.	0.2	2
35	The Role of Nutrition in COVID-19 Susceptibility and Severity of Disease: A Systematic Review. <i>Journal of Nutrition</i> , 2021, 151, 1854-1878.	1.3	79
36	NanoString technology distinguishes anti-IFN γ from anti-Mi μ dermatomyositis patients. <i>Brain Pathology</i> , 2021, 31, e12957.	2.1	11
37	Iron overload during the embryonic period develops hyperactive like behavior and dysregulation of biogenic amines in <i>Drosophila melanogaster</i> . <i>Developmental Biology</i> , 2021, 475, 80-90.	0.9	5

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39	Pathological mechanisms of abnormal iron metabolism and mitochondrial dysfunction in systemic lupus erythematosus. <i>Expert Review of Clinical Immunology</i> , 2021, 17, 957-967.	1.3	22
40	Epigenomic regulation by labile iron. <i>Free Radical Biology and Medicine</i> , 2021, 170, 44-49.	1.3	13
41	Weighted Gene Co-Expression Network Analysis Combined with Machine Learning Validation to Identify Key Modules and Hub Genes Associated with SARS-CoV-2 Infection. <i>Journal of Clinical Medicine</i> , 2021, 10, 3567.	1.0	30
42	Fermented goat's milk modulates immune response during iron deficiency anemia recovery. <i>Journal of the Science of Food and Agriculture</i> , 2022, 102, 1114-1123.	1.7	6
43	Complex Interactions in Regulation of Haematopoiesis—An Unexplored Iron Mine. <i>Genes</i> , 2021, 12, 1270.	1.0	3
44	Comprehensive review of lipocalin 2-mediated effects in lung inflammation. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 321, L726-L733.	1.3	19
45	Anti-Malarial and Anti-Lipid Peroxidation Activities of Deferiprone-Resveratrol Hybrid in <i>Plasmodium berghei</i> -Infected Mice. <i>Biology</i> , 2021, 10, 911.	1.3	7
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47	Metabolic requirements of NK cells during the acute response against retroviral infection. <i>Nature Communications</i> , 2021, 12, 5376.	5.8	32
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49	Targeting iron metabolism in cancer therapy. <i>Theranostics</i> , 2021, 11, 8412-8429.	4.6	83
50	Deceptology in cancer and vaccine sciences: Seeds of immune destruction—mini electric shocks in mitochondria: Neuroplasticity—electrobiology of response profiles and increased induced diseases in four generations—A hypothesis. <i>Clinical and Translational Medicine</i> , 2020, 10, e215.	1.7	2
51	Iron in infection and immunity. <i>Molecular Aspects of Medicine</i> , 2020, 75, 100864.	2.7	184
54	COVID-19: Proposing a Ketone-Based Metabolic Therapy as a Treatment to Blunt the Cytokine Storm. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-34.	1.9	43
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56	Ferroptosis Promotes Cyst Growth in Autosomal Dominant Polycystic Kidney Disease Mouse Models. <i>Journal of the American Society of Nephrology: JASN</i> , 2021, 32, 2759-2776.	3.0	38
57	Iron excess affects release of neutrophil extracellular traps and reactive oxygen species but does not influence other functions of neutrophils. <i>Immunology and Cell Biology</i> , 2022, 100, 87-100.	1.0	6

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59	The mitochondrial iron transporter ABCB7 is required for B cell development, proliferation, and class switch recombination in mice. <i>ELife</i> , 2021, 10, .	2.8	9
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62	Complementary Feeding and Iron Status: “The Unbearable Lightness of Being” Infants. <i>Nutrients</i> , 2021, 13, 4201.	1.7	15
63	Micro but mighty” Micronutrients in the epigenetic regulation of adaptive immune responses*. <i>Immunological Reviews</i> , 2021, , .	2.8	9
64	<i>Biochimie des Eisens.</i> , 2021, , 7-28.		0
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67	In vivo imaging of nanoparticle-labeled CAR T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	40
68	A Distinct Hibiscus sabdariffa Extract Prevents Iron Neurotoxicity, a Driver of Multiple Sclerosis Pathology. <i>Cells</i> , 2022, 11, 440.	1.8	5
69	Fluorescent probes for the detection of disease-associated biomarkers. <i>Science Bulletin</i> , 2022, 67, 853-878.	4.3	110
70	<i>Immunotoxicology of metals.</i> , 2022, , 543-564.		2
73	Imaging of innate immunity activation in vivo with a redox-tuned PET reporter. <i>Nature Biotechnology</i> , 2022, 40, 965-973.	9.4	10
74	The Effects of Vitamins and Micronutrients on Helicobacter pylori Pathogenicity, Survival, and Eradication: A Crosstalk between Micronutrients and Immune System. <i>Journal of Immunology Research</i> , 2022, 2022, 1-22.	0.9	11
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78	The association of anemia with the clinical outcomes of community-acquired pneumonia in children. <i>Pediatric Pulmonology</i> , 2022, , .	1.0	0
79	Increased oxidative stress in adult women with iron deficiency anemia. <i>Universa Medicina</i> , 2022, 41, 29-36.	0.1	0
80	Identification of an Iron Metabolism-Related lncRNA Signature for Predicting Osteosarcoma Survival and Immune Landscape. <i>Frontiers in Genetics</i> , 2022, 13, 816460.	1.1	7

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82	NOD1 splenic activation confers ferroptosis protection and reduces macrophage recruitment under pro-atherogenic conditions. <i>Biomedicine and Pharmacotherapy</i> , 2022, 148, 112769.	2.5	19
83	Immunotherapy for cancer: effects of iron oxide nanoparticles on polarization of tumor-associated macrophages. <i>Nanomedicine</i> , 2021, 16, 2633-2650.	1.7	27
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86	Iron Metabolism and Immune Regulation. <i>Frontiers in Immunology</i> , 2022, 13, 816282.	2.2	63
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91	Iron-dependent epigenetic modulation promotes pathogenic T cell differentiation in lupus. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	18
92	Labile iron accumulation augments T follicular helper cell differentiation. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	2
93	Novel Insights in the Regulatory Mechanisms of Ferroptosis in Hepatocellular Carcinoma. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, .	1.8	6
94	Enhanced postoperative cancer therapy by iron-based hydrogels. <i>Biomaterials Research</i> , 2022, 26, .	3.2	13
95	The Role of Vascular-Immune Interactions in Modulating Chemotherapy Induced Neuropathic Pain. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	0
96	An Iron Refractory Phenotype in Obese Adipose Tissue Macrophages Leads to Adipocyte Iron Overload. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7417.	1.8	8
97	Tetrahydrobiopterin modulates the behavioral neuroinflammatory response to an LPS challenge in mice. <i>Brain, Behavior, and Immunity</i> , 2022, 105, 139-148.	2.0	6
98	Physical-chemical properties of heteropolysaccharides from different processed forms of <i>Rehmanniae Radix</i> . <i>Process Biochemistry</i> , 2022, 121, 481-492.	1.8	1
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101	Comparative proteomic profiling of Small Extracellular vesicles derived from iPSCs and tissue specific mesenchymal stem cells. <i>Experimental Cell Research</i> , 2022, 420, 113354.	1.2	10
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103	Association between iron-deficiency anemia and antenatal depression in a semi-urban population of south India: A cross-sectional study. <i>International Journal of Academic Medicine</i> , 2022, 8, 137.	0.2	1
104	Mechanisms of Neurodegeneration in Multiple Sclerosis. <i>Zhurnal Nevrologii I Psikhiatrii Imeni S S Korsakova</i> , 2022, 122, 5.	0.1	1
105	Correlative High-Resolution Imaging of Iron Uptake in Lung Macrophages. <i>Analytical Chemistry</i> , 2022, 94, 12798-12806.	3.2	6
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112	Ferroptosis in lymphoma: Emerging mechanisms and a novel therapeutic approach. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	4
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116	Iron metabolism patterns in non-anemic patients with myasthenia gravis: A cross-sectional and follow-up study. <i>Frontiers in Neurology</i> , 0, 13, .	1.1	1
117	Iron Brain Menace: The Involvement of Ferroptosis in Parkinson Disease. <i>Cells</i> , 2022, 11, 3829.	1.8	15
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119	Elevated transferrin receptor impairs T cell metabolism and function in systemic lupus erythematosus. <i>Science Immunology</i> , 2023, 8, .	5.6	17
120	Effect of Diets Varying in Iron and Saturated Fat on the Gut Microbiota and Intestinal Inflammation: A Crossover Feeding Study among Older Females with Obesity. <i>Nutrition and Cancer</i> , 0, , 1-14.	0.9	0

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122	Iron metabolism in non-anemic myasthenia gravis patients: A cohort study. <i>Journal of Neuroimmunology</i> , 2023, 375, 578015.	1.1	1
124	Iron Deficiency Anemia and COVID-19. <i>Journal of Medical Microbiology and Infectious Diseases</i> , 2022, 10, 157-162.	0.1	0
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129	Effects of in vivo CXCR4 Blockade and Proteasome Inhibition on Bone Marrow Plasma Cells in HLA-Sensitized Kidney Transplant Candidates. <i>American Journal of Transplantation</i> , 2023, , .	2.6	1
130	Dysregulated Iron Homeostasis as Common Disease Etiology and Promising Therapeutic Target. <i>Antioxidants</i> , 2023, 12, 671.	2.2	6
131	The role of iron metabolism in the pathogenesis and treatment of multiple sclerosis. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	10
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133	Gut Dysbiosis: A Target for Protective Interventions against Parkinson's Disease. <i>Microorganisms</i> , 2023, 11, 880.	1.6	4
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135	Iron in blood cells: Function, relation to disease, and potential for magnetic separation. <i>Biotechnology and Bioengineering</i> , 2023, 120, 1707-1724.	1.7	0
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138	Iron metabolism in colorectal cancer: a balancing act. <i>Cellular Oncology (Dordrecht)</i> , 2023, 46, 1545-1558.	2.1	5
148	Trace metal elements: a bridge between host and intestinal microorganisms. <i>Science China Life Sciences</i> , 2023, 66, 1976-1993.	2.3	1
157	Pharmacokinetics of IONPs. <i>Nanomedicine and Nanotoxicology</i> , 2023, , 67-113.	0.1	0

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