

Marianne Wessling-Resnick

List of Publications by Year in descending order

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93
papers

5,904
citations

81900
39
h-index

74163
75
g-index

96
all docs

96
docs citations

96
times ranked

7013
citing authors

#	ARTICLE	IF	CITATIONS
1	Iron potentiates microglial interleukin-1 β secretion induced by amyloid- β . <i>Journal of Neurochemistry</i> , 2020, 154, 177-189.	3.9	27
2	ZIP14 is degraded in response to manganese exposure. <i>BioMetals</i> , 2019, 32, 829-843.	4.1	11
3	Inflammation-induced iron transport and metabolism by brain microglia. <i>Journal of Biological Chemistry</i> , 2018, 293, 7853-7863.	3.4	107
4	Brain Iron Homeostasis: A Focus on Microglial Iron. <i>Pharmaceuticals</i> , 2018, 11, 129.	3.8	80
5	Crossing the Iron Gate: Why and How Transferrin Receptors Mediate Viral Entry. <i>Annual Review of Nutrition</i> , 2018, 38, 431-458.	10.1	106
6	Manganese transport and toxicity in polarized WIF-B hepatocytes. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, G351-G363.	3.4	15
7	Novel founder intronic variant in SLC39A14 in two families causing Manganism and potential treatment strategies. <i>Molecular Genetics and Metabolism</i> , 2018, 124, 161-167.	1.1	36
8	Restored iron transport by a small molecule promotes absorption and hemoglobinization in animals. <i>Science</i> , 2017, 356, 608-616.	12.6	112
9	Excess iron: considerations related to development and early growth. <i>American Journal of Clinical Nutrition</i> , 2017, 106, 1600S-1605S.	4.7	67
10	Regulation of divalent metal transporter-1 by serine phosphorylation. <i>Biochemical Journal</i> , 2016, 473, 4243-4254.	3.7	15
11	Dietary supplementation with ipriflavone decreases hepatic iron stores in wild type mice. <i>Blood Cells, Molecules, and Diseases</i> , 2016, 60, 36-43.	1.4	8
12	Characterization of a novel adult murine immortalized microglial cell line and its activation by amyloid-beta. <i>Journal of Neuroinflammation</i> , 2016, 13, 21.	7.2	44
13	Distribution of manganese and other biometals in flatiron mice. <i>BioMetals</i> , 2016, 29, 147-155.	4.1	26
14	Ferroportin deficiency impairs manganese metabolism in flatiron mice. <i>FASEB Journal</i> , 2015, 29, 2726-2733.	0.5	45
15	Nramp1 and Other Transporters Involved in Metal Withholding during Infection. <i>Journal of Biological Chemistry</i> , 2015, 290, 18984-18990.	3.4	106
16	The small molecule ferristatin II induces hepatic hepcidin expression in vivo and in vitro. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 308, G1019-G1026.	3.4	17
17	Pathophysiology of the Belgrade rat. <i>Frontiers in Pharmacology</i> , 2014, 5, 82.	3.5	18
18	Manganese Transport Across the Pulmonary Epithelium. <i>Issues in Toxicology</i> , 2014, , 133-157.	0.1	0

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19	Impaired renal function and development in Belgrade rats. American Journal of Physiology - Renal Physiology, 2014, 306, F333-F343.	2.7	22
20	Iron and mechanisms of emotional behavior. Journal of Nutritional Biochemistry, 2014, 25, 1101-1107.	4.2	191
21	The small molecule, genistein, increases hepcidin expression in human hepatocytes. Hepatology, 2013, 58, 1315-1325.	7.3	66
22	Iron depletion increases manganese uptake and potentiates apoptosis through ER stress. NeuroToxicology, 2013, 38, 67-73.	3.0	59
23	Pharmacology of Iron Transport. Annual Review of Pharmacology and Toxicology, 2013, 53, 17-36.	9.4	28
24	Glucose metabolism in the Belgrade rat, a model of iron-loading anemia. American Journal of Physiology - Renal Physiology, 2013, 304, G1095-G1102.	3.4	5
25	Iron loading impairs lipoprotein lipase activity and promotes hypertriglyceridemia. FASEB Journal, 2013, 27, 1657-1663.	0.5	20
26	Absorption of Manganese and Iron in a Mouse Model of Hemochromatosis. PLoS ONE, 2013, 8, e64944.	2.5	42
27	Ferristatin II Promotes Degradation of Transferrin Receptor-1 In Vitro and In Vivo. PLoS ONE, 2013, 8, e70199.	2.5	34
28	Manganese Neurotoxicity is Enhanced by Iron Depletion.. FASEB Journal, 2013, 27, 634.1.	0.5	0
29	Impaired renal function in Belgrade rats. FASEB Journal, 2013, 27, 705.4.	0.5	0
30	The iron transport inhibitor ferristatin II induces degradation of transferrin receptor-1. FASEB Journal, 2013, 27, 1024.1.	0.5	1
31	The Small Molecule Genistein Increases Hepcidin Expression by Activating Stat3 and Bone Morphogenic Protein Signaling. FASEB Journal, 2013, 27, 223.6.	0.5	0
32	Effects of the iron transporter inhibitor ferristatin II on serum iron and lipid metabolism. FASEB Journal, 2013, 27, 223.7.	0.5	0
33	Iron metabolism and the innate immune response to infection. Microbes and Infection, 2012, 14, 207-216.	1.9	214
34	Olfactory ferric and ferrous iron absorption in iron-deficient rats. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2012, 302, L1280-L1286.	2.9	10
35	Iron-Responsive Olfactory Uptake of Manganese Improves Motor Function Deficits Associated with Iron Deficiency. PLoS ONE, 2012, 7, e33533.	2.5	35
36	The Role of Iron Metabolism in Lung Inflammation and Injury. Journal of Allergy & Therapy, 2012, 01, .	0.1	23

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37	Influence of Iron Deficiency on Olfactory Behavior in Weanling Rats. <i>Journal of Behavioral and Brain Science</i> , 2012, 02, 167-175.	0.5	12
38	Olfactory manganese uptake in Hfe knockout mice, a model of iron overload. <i>FASEB Journal</i> , 2012, 26, 641.11.	0.5	0
39	Ingestion of Mn and Pb by rats during and after pregnancy alters iron metabolism and behavior in offspring. <i>NeuroToxicology</i> , 2011, 32, 413-422.	3.0	56
40	Associations of iron metabolism genes with blood manganese levels: a population-based study with validation data from animal models. <i>Environmental Health</i> , 2011, 10, 97.	4.0	46
41	Severe Postnatal Iron Deficiency Alters Emotional Behavior and Dopamine Levels in the Prefrontal Cortex of Young Male Rats. <i>Journal of Nutrition</i> , 2011, 141, 2133-2138.	2.9	33
42	Influence of DMT1 and iron status on inflammatory responses in the lung. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2011, 300, L659-L665.	2.9	29
43	Intestinal absorption of iron and manganese in Hfe knockout mice. <i>FASEB Journal</i> , 2011, 25, 238.5.	0.5	0
44	Role of Ferroportin in Macrophage-Mediated Immunity. <i>Infection and Immunity</i> , 2010, 78, 5099-5106.	2.2	60
45	Iron Homeostasis and the Inflammatory Response. <i>Annual Review of Nutrition</i> , 2010, 30, 105-122.	10.1	363
46	Effect of iron status on lipid and glucose metabolism. <i>FASEB Journal</i> , 2010, 24, 717.16.	0.5	0
47	Dietary iron deficiency alters emotional behavior and impairs motor coordination in young rats. <i>FASEB Journal</i> , 2010, 24, lb238.	0.5	0
48	Small molecule inhibitors of divalent metal transporter-1. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 296, G798-G804.	3.4	30
49	Modulation of intracellular iron levels by oxidative stress implicates a novel role for iron in signal transduction. <i>BioMetals</i> , 2009, 22, 855-862.	4.1	27
50	Effect of iron status on olfactory uptake of manganese and its distribution in the brain. <i>FASEB Journal</i> , 2009, 23, 921.8.	0.5	0
51	The Small-Molecule Iron Transport Inhibitor Ferristatin/NSC306711 Promotes Degradation of the Transferrin Receptor. <i>Chemistry and Biology</i> , 2008, 15, 647-653.	6.0	39
52	Attenuated Inflammatory Responses in Hemochromatosis Reveal a Role for Iron in the Regulation of Macrophage Cytokine Translation. <i>Journal of Immunology</i> , 2008, 181, 2723-2731.	0.8	141
53	The irony of host defense. <i>Blood</i> , 2008, 112, 460-460.	1.4	2
54	Ferroportin Modulates Macrophage-Mediated Immune Responses. <i>FASEB Journal</i> , 2008, 22, 692.5.	0.5	1

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55	Iron absorption by Belgrade rat pups during lactation. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 293, G640-G644.	3.4	17
56	Olfactory uptake of manganese requires DMT1 and is enhanced by anemia. <i>FASEB Journal</i> , 2007, 21, 223-230.	0.5	113
57	Flatiron Mice and Ferroportin Disease. <i>Nutrition Reviews</i> , 2007, 65, 341-345.	5.8	7
58	Belgrade Rats Display Liver Iron Loading. <i>Journal of Nutrition</i> , 2006, 136, 3010-3014.	2.9	24
59	Small-Molecule Screening Identifies the Selanzal Drug Ebselen as a Potent Inhibitor of DMT1-Mediated Iron Uptake. <i>Chemistry and Biology</i> , 2006, 13, 965-972.	6.0	65
60	The influence of high iron diet on rat lung manganese absorption. <i>Toxicology and Applied Pharmacology</i> , 2006, 210, 17-23.	2.8	50
61	Iron Imports. III. Transfer of iron from the mucosa into circulation. <i>American Journal of Physiology - Renal Physiology</i> , 2006, 290, G1-G6.	3.4	62
62	The Iron Efflux Protein Ferroportin Regulates the Intracellular Growth of <i>Salmonella enterica</i> . <i>Infection and Immunity</i> , 2006, 74, 3065-3067.	2.2	137
63	Manganese and iron transport across pulmonary epithelium. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2006, 290, L1247-L1259.	2.9	67
64	Single-Cell FRET Imaging of Transferrin Receptor Trafficking Dynamics by Sfp-Catalyzed, Site-Specific Protein Labeling. <i>Chemistry and Biology</i> , 2005, 12, 999-1006.	6.0	64
65	Pharmacokinetics of pulmonary manganese absorption: evidence for increased susceptibility to manganese loading in iron-deficient rats. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2005, 288, L887-L893.	2.9	36
66	Iron release from macrophages after erythrophagocytosis is up-regulated by ferroportin 1 overexpression and down-regulated by hepcidin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 1324-1328.	7.1	407
67	Ferroportin-1 Is Not Upregulated in Copper-Deficient Mice. <i>Journal of Nutrition</i> , 2004, 134, 517-521.	2.9	23
68	Copper-induced ferroportin-1 expression in J774 macrophages is associated with increased iron efflux. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 2700-2705.	7.1	52
69	Transferrin receptor 2 mediates a biphasic pattern of transferrin uptake associated with ligand delivery to multivesicular bodies. <i>American Journal of Physiology - Cell Physiology</i> , 2004, 287, C1769-C1775.	4.6	40
70	Chemical Genetic Screening Identifies Sulfonamides That Raise Organellar pH and Interfere with Membrane Traffic. <i>Traffic</i> , 2004, 5, 478-492.	2.7	28
71	Developmental, regional, and cellular expression of SFT/UbcH5A and DMT1 mRNA in brain. <i>Journal of Neuroscience Research</i> , 2004, 76, 633-641.	2.9	22
72	Identification of Small Molecule Inhibitors that Distinguish between Non-Transferrin Bound Iron Uptake and Transferrin-Mediated Iron Transport. <i>Chemistry and Biology</i> , 2004, 11, 407-416.	6.0	30

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73	Regulation of transferrin receptor 2 protein levels by transferrin. <i>Blood</i> , 2004, 104, 4294-4299.	1.4	178
74	Iron loading and erythrophagocytosis increase ferroportin 1 (FPN1) expression in J774 macrophages. <i>Blood</i> , 2003, 102, 4191-4197.	1.4	202
75	Molecular Mechanisms and Regulation of Iron Transport. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2003, 40, 151-182.	6.1	56
76	Copper repletion enhances apical iron uptake and transepithelial iron transport by Caco-2 cells. <i>American Journal of Physiology - Renal Physiology</i> , 2002, 282, G527-G533.	3.4	49
77	Understanding Copper Uptake at the Molecular Level. <i>Nutrition Reviews</i> , 2002, 60, 177-179.	5.8	10
78	A Possible Link between Hepcidin and Regulation of Dietary Iron Absorption. <i>Nutrition Reviews</i> , 2002, 60, 371-374.	5.8	10
79	Chemistry and biology of eukaryotic iron metabolism. <i>International Journal of Biochemistry and Cell Biology</i> , 2001, 33, 940-959.	2.8	655
80	Expression of Stimulator of Fe Transport Is Not Enhanced in Hfe Knockout Mice. <i>Journal of Nutrition</i> , 2001, 131, 1459-1464.	2.9	15
81	IRONTRANSPORT. <i>Annual Review of Nutrition</i> , 2000, 20, 129-151.	10.1	91
82	Immunological Analysis of β^2 -Thalassemic Mouse Intestinal Proteins Reveals Up-Regulation of Sucrase-Isomaltase in Response to Iron Overload. <i>Journal of Nutrition</i> , 1999, 129, 949-952.	2.9	2
83	Iron metabolism. <i>Current Opinion in Chemical Biology</i> , 1999, 3, 200-206.	6.1	423
84	Biochemistry of Iron Uptake. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 1999, 34, 285-314.	5.2	61
85	GEF-mediated GDP/GTP exchange by monomeric GTPases: A regulatory role for Mg ²⁺ ?. <i>BioEssays</i> , 1998, 20, 516-521.	2.5	30
86	Metabolic depletion inhibits the uptake of nontransferrin-bound iron by K562 cells. , 1998, 177, 585-592.		10
87	Expression of SFT (Stimulator of Fe Transport) Is Enhanced by Iron Chelation in HeLa Cells and by Hemochromatosis in Liver. <i>Journal of Biological Chemistry</i> , 1998, 273, 34675-34678.	3.4	21
88	Influence of Copper Depletion on Iron Uptake Mediated by SFT, a Stimulator of Fe Transport. <i>Journal of Biological Chemistry</i> , 1998, 273, 6909-6915.	3.4	34
89	Structural and Functional Analysis of SFT, a Stimulator of Fe Transport. <i>Journal of Biological Chemistry</i> , 1998, 273, 21380-21385.	3.4	22
90	Functional Expression Cloning and Characterization of SFT, a Stimulator of Fe Transport. <i>Journal of Cell Biology</i> , 1997, 139, 895-905.	5.2	85

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91	Influence of Mg ²⁺ on the Structure and Function of Rab5. <i>Journal of Biological Chemistry</i> , 1996, 271, 1322-1328.	3.4	22
92	Mechanism of Transferrin Receptor Down-regulation in K562 Cells in Response to Protein Kinase C Activation. <i>Journal of Biological Chemistry</i> , 1995, 270, 3698-3705.	3.4	41
93	Extracellular Ferrireductase Activity of K562 Cells is Coupled to Transferrin-Independent Iron Transport. <i>Biochemistry</i> , 1994, 33, 11850-11857.	2.5	72