Robert James Simpson

List of Publications by Year
in descending order

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136 papers	6,397 citations	125106 35 h-index	78623 77 g-index
136 all docs	136 docs citations	136 times ranked	5123 citing authors

#	Article	IF	Citations
1	Mindfulness-based interventions for people with multiple sclerosis: a systematic review and meta-aggregation of qualitative research studies. Disability and Rehabilitation, 2022, 44, 6179-6193.	0.9	10
2	Intestinal heme absorption in hemochromatosis gene knock-out mice. World Journal of Hematology, 2017, 6, 17.	0.1	0
3	Iron and oxygen sensing: a tale of 2 interacting elements?. Metallomics, 2015, 7, 223-231.	1.0	29
4	Expression of ABCG2 (BCRP) in mouse models with enhanced erythropoiesis. Frontiers in Pharmacology, 2014, 5, 135.	1.6	8
5	A Nanoparticulate Ferritin-Core Mimetic Is Well Taken Up by HuTu 80 Duodenal Cells and Its Absorption in Mice Is Regulated by Body Iron. Journal of Nutrition, 2014, 144, 1896-1902.	1.3	38
6	The transcription factor ATOH 8 is regulated by erythropoietic activity and regulates HAMP transcription and cellular pSMAD 1,5,8 levels. British Journal of Haematology, 2014, 164, 586-596.	1.2	22
7	A nano-disperse ferritin-core mimetic that efficiently corrects anemia without luminal iron redox activity. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014, 10, 1529-1538.	1.7	69
8	Regulation of iron metabolism in Hamp â^’/â^’ mice in response to iron-deficient diet. European Journal of Nutrition, 2013, 52, 135-143.	1.8	14
9	Duodenal Reductase Activity and Spleen Iron Stores Are Reduced and Erythropoiesis Is Abnormal in Dcytb Knockout Mice Exposed to Hypoxic Conditions3. Journal of Nutrition, 2012, 142, 1929-1934.	1.3	40
10	Effects of acute and chronic inflammation on proteins involved in duodenal iron absorption in mice: a time-course study. British Journal of Nutrition, 2012, 108, 1994-2001.	1.2	4
11	BMPER Protein Is a Negative Regulator of Hepcidin and Is Up-regulated in Hypotransferrinemic Mice. Journal of Biological Chemistry, 2012, 287, 4099-4106.	1.6	28
12	Iron metabolism in hepcidin1 knockout mice in response to phenylhydrazine-induced hemolysis. Blood Cells, Molecules, and Diseases, 2012, 49, 85-91.	0.6	8
13	Intestinal Iron Absorption. , 2012, , 101-116.		105
14	Duodenal cytochrome b (Cybrd 1) and HIF-2Î± expression during acute hypoxic exposure in mice. European Journal of Nutrition, 2011, 50, 699-704.	1.8	18
15	Iron absorption in <i>hepcidin1</i> knockout mice. British Journal of Nutrition, 2011, 105, 1583-1591.	1.2	13
16	Characterization of the transition-metal-binding properties of hepcidin. Biochemical Journal, 2010, 427, 289-296.	1.7	35
17	Role of COX-2 in nonsteroidal anti-inflammatory drug enteropathy in rodents. Scandinavian Journal of Gastroenterology, 2010, 45, 822-827.	0.6	16
18	Quantification of hepcidin using matrixâ€assisted laser desorption/ionization timeâ€ofâ€flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2009, 23, 1531-1542.	0.7	41

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19	Quantitation of hepcidin in human urine by liquid chromatographyâ€“mass spectrometry. Analytical Biochemistry, 2009, 384, 245-253.	1.1	39
20	Regulation of Intestinal Iron Absorption: The Mucosa Takes Control?. Cell Metabolism, 2009, 10, 84-87.	7.2	42
21	Haem and folate transport by proton-coupled folate transporter/haem carrier protein 1 (SLC46A1). British Journal of Nutrition, 2009, 101, 1150-1156.	1.2	72
22	Identification of a Steap3 endosomal targeting motif essential for normal iron metabolism. Blood, 2009, 113, 1805-1808.	0.6	75
23	Regulation of Iron Absorption and Distribution. , 2009, , 31-49.		2
24	Dcytb (Cybrd1) functions as both a ferric and a cupric reductase in vitro. FEBS Letters, 2008, 582, 1901-1906.	1.3	94
25	The effect of haem biosynthesis inhibitors and inducers on intestinal iron absorption and liver haem biosynthetic enzyme activities. Toxicology and Applied Pharmacology, 2008, 229, 273-280.	1.3	6
26	Duodenal Cytochrome B Expression Stimulates Iron Uptake by Human Intestinal Epithelial Cells. Journal of Nutrition, 2008, 138, 991-995.	1.3	57
27	Role of bile in pathogenesis of indomethacin-induced enteropathy. Archives of Toxicology, 2007, 81, 291-298.	1.9	42
28	The effects of AZD3582 [4-(nitroxy)butyl-(2S)-2-(6-methoxy-2-naphthyl) propanoate], and naproxen on key pathogenic steps in NSAID-enteropathy in the rat. Inflammopharmacology, 2007, 15, 119-123.	1.9	0
29	Haem carrier protein 1 (HCP1): Expression and functional studies in cultured cells. FEBS Letters, 2006, 580, 6865-6870.	1.3	59
30	Tumour necrosis factor Î± causes hypoferraemia and reduced intestinal iron absorption in mice. Biochemical Journal, 2006, 397, 61-67.	1.7	120
31	Animal models with enhanced erythropoiesis and iron absorption. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2006, 1762, 414-423.	1.8	37
32	Immunolocalization of duodenal cytochromeÂB: a relationship with circulating markers of iron status. European Journal of Clinical Investigation, 2006, 36, 890-898.	1.7	6
33	Iron and cadmium uptake by duodenum of hypotransferrinaemic mice. BioMetals, 2006, 19, 547-553.	1.8	12
34	Recent advances in mammalian haem transport. Trends in Biochemical Sciences, 2006, 31, 182-188.	3.7	95
35	Role of interleukin-6 in hypoxic regulation of intestinal iron absorption. British Journal of Haematology, 2005, 131, 656-662.	1.2	14
36	Impaired Iron Transport Activity of Ferroportin 1 in Hereditary Iron Overload. Journal of Membrane Biology, 2005, 206, 3-7.	1.0	35

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37	Effect of altered iron metabolism on markers of haem biosynthesis and intestinal iron absorption in mice. Annals of Hematology, 2005, 84, 177-182.	0.8	14
38	Duodenal ascorbate and ferric reductase in human iron deficiency. American Journal of Clinical Nutrition, 2005, 81, 130-133.	2.2	25
39	Expression of iron absorption genes in mouse large intestine. Scandinavian Journal of Gastroenterology, 2005, 40, 169-177.	0.6	58
40	Identification of an Intestinal Heme Transporter. Cell, 2005, 122, 789-801.	13.5	628
41	Duodenal Ascorbate Levels Are Changed in Mice with Altered Iron Metabolism. Journal of Nutrition, 2004, 134, 501-505.	1.3	19
42	Effect of transition metal ions (cobalt and nickel chlorides) on intestinal iron absorption. European Journal of Clinical Investigation, 2004, 34, 626-630.	1.7	11
43	The Effects of Inhibition of Haem Biosynthesis by Griseofulvin on Intestinal Iron Absorption. Basic and Clinical Pharmacology and Toxicology, 2004, 94, 161-168.	0.0	10
44	Tissue-specific changes in iron metabolism genes in mice following phenylhydrazine-induced haemolysis. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2004, 1690, 169-176.	1.8	41
45	Of mice and men: genetic determinants of iron status. Proceedings of the Nutrition Society, 2004, 63, 11-20.	0.4	4
46	Effect of hepcidin on intestinal iron absorption in mice. Blood, 2004, 103, 3940-3944.	0.6	199
47	Duodenal mucosal and plasma ascorbate levels of patients with iron deficiency. Journal of Medical Biochemistry, 2004, 23, 279-283.	0.1	0
48	COX-1, COX-2 and the topical effect in NSAID-induced enteropathy. Inflammopharmacology, 2003, 11, 363-370.	1.9	16
49	Nitric oxide: potential role for reducing gastro-enteropathy. Inflammopharmacology, 2003, 11, 429-436.	1.9	2
50	Effect of Tin-mesoporphyrin, an inhibitor of haem catabolism, on intestinal iron absorption. British Journal of Haematology, 2003, 122, 298-304.	1.2	7
51	Hypoxic response of iron absorption is not affected by the Hfe gene knock-out in mice. British Journal of Haematology, 2003, 123, 170-172.	1.2	10
52	COX-I inhibition is not essential for the development of NSAIDÈInduced enteropathy. Gastroenterology, 2003, 124, A171.	0.6	0
53	PHYSIOLOGY ANDMOLECULARBIOLOGY OFDIETARYIRONABSORPTION. Annual Review of Nutrition, 2003, 23, 283-301.	4.3	228
54	NSAIDs: the Emperor's new dogma?. Gut, 2003, 52, 1376-1378.	6.1	21

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55	Duodenal mucosal reductase in wild-type and Hfe knockout mice on iron adequate, iron deficient, and iron rich feeding. Gut, 2003, 52, 510-513.	6.1	11
56	Duodenal nonheme iron content correlates with iron stores in mice, but the relationship is altered by Hfe gene knock-out. Blood, 2003, 101, 3316-3318.	0.6	9
57	Molecular evidence for the role of a ferric reductase in iron transport. Biochemical Society Transactions, 2002, 30, 722-724.	1.6	54
58	Effects of indomethacin on energy metabolism in rat jejunal tissue in vivo. Clinical Science, 2002, 102, 541-546.	1.8	9
59	Effects of indomethacin on energy metabolism in rat jejunal tissue in vivo. Clinical Science, 2002, 102, 541.	1.8	6
60	COX-1 and 2, intestinal integrity, and pathogenesis of nonsteroidal anti-inflammatory drug enteropathy in mice. Gastroenterology, 2002, 122, 1913-1923.	0.6	182
61	Iron Absorption: Biochemical and Molecular Insights into the Importance of Iron Species for Intestinal Uptake. Basic and Clinical Pharmacology and Toxicology, 2002, 91, 97-102.	0.0	24
62	2, 4-Diamino-6- hydroxy pyrimidine inhibits NSAIDs induced nitrosyl-complex EPR signals and ulcer in rat jejunum. BMC Gastroenterology, 2002, 2, 8.	0.8	8
63	Long-term sequelae of HFE deletion in C57BL/6ÂÃ—Â129/O1a mice, an animal model for hereditary haemochromatosis. European Journal of Clinical Investigation, 2002, 32, 603-612.	1.7	30
64	Basolateral Transport of Iron in Mammalian Intestine. , 2002, , .		2
65	An Iron-Regulated Ferric Reductase Associated with the Absorption of Dietary Iron. Science, 2001, 291, 1755-1759.	6.0	897
66	Effects of indomethacin on energy metabolism in rat and human jejunal tissue in vitro. Clinical Science, 2001, 101, 493-498.	1.8	18
67	Effects of indomethacin on energy metabolism in rat and human jejunal tissue in vitro. Clinical Science, 2001, 101, 493.	1.8	10
68	A study of the effects of indometacin on liver mitochondria from rats, mice and humans. Alimentary Pharmacology and Therapeutics, 2001, 15, 1837-1842.	1.9	31
69	Uncoupling of intestinal mitochondrial oxidative phosphorylation and inhibition of cyclooxygenase are required for the development of NSAID-enteropathy in the rat. Alimentary Pharmacology and Therapeutics, 2000, 14, 639-650.	1.9	224
70	Gastric acid secretion in cyclooxygenase-1 deficient mice. Alimentary Pharmacology and Therapeutics, 2000, 14, 1365-1370.	1.9	6
71	A Novel Duodenal Iron-Regulated Transporter, IREG1, Implicated in the Basolateral Transfer of Iron to the Circulation. Molecular Cell, 2000, 5, 299-309.	4.5	1,294
72	Involvement of Iron (Ferric) Reduction in the Iron Absorption Mechanism of a Trivalent Ironâ€Protein		

#	ARTICLE	IF	CITATIONS
73	Involvement of Iron (Ferric) Reduction in the Iron Absorption Mechanism of a Trivalent Iron-Protein		

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91	Relationship between duodenal cytosolic aconitase activity and iron status in the mouse. Biochimica Et Biophysica Acta - General Subjects, 1995, 1245, 414-420.	1.1	9
92	Photoreduction of iron at physiological pH: Effect of biological buffers. Biochemical Society Transactions, 1994, 22, 93S-93S.	1.6	2
93	Duodenal ferric reductase: Purification and characterisation. Biochemical Society Transactions, 1994, 22, 284S-284S.	1.6	8
94	Tissue iron loading and histopathological changes in hypotransferrinaemic mice. Journal of Pathology, 1993, 171, 237-244.	2.1	45
95	Partition and distribution coefficients of solutes and drugs in brush border membrane vesicles. Biochemical Pharmacology, 1993, 45, 1775-1782.	2.0	42
96	Mucosal surface ferricyanide reductase in mouse duodenum. Biochemical Society Transactions, 1993, 21, 204S-204S.	1.6	3
97	Cytosolic aconitase activity in mouse small intestine: iron dependence. Biochemical Society Transactions, 1993, 21, 205S-205S.	1.6	1
98	Iron speciation at physiological pH in media containing ascorbate and oxygen. British Journal of Nutrition, 1993, 70, 157-169.	1.2	39
99	Iron chelate affinity chromatography of brush border membrane proteins. Biochemical Society Transactions, 1992, 20, 194S-194S.	1.6	2
100	Application of selective extraction to the study of iron species present in diet and rat gastrointestinal tract contents. British Journal of Nutrition, 1992, 67, 437-444.	1.2	13
101	Effect of hypoxic exposure on iron absorption in heterozygous hypotransferrinaemic mice. Annals of Hematology, 1992, 65, 260-264.	0.8	18
102	Iron binding to, and release from, the basolateral membrane of mouse duodenal enterocytes. Biochimica Et Biophysica Acta - General Subjects, 1991, 1074, 159-166.	1.1	4
103	In vitro studies of intestinal drug absorption. Biochemical Pharmacology, 1991, 42, 2259-2264.	2.0	19
104	Ferric iron reduction and uptake by mouse duodenal mucosa. Biochemical Society Transactions, 1991, 19, 316S-316S.	1.6	5
105	Iron absorption by hypotransferrinaemic mice. British Journal of Haematology, 1991, 78, 565-570.	1.2	54
106	Forms of soluble iron in mouse stomach and duodenal lumen: significance for mucosal uptake. British Journal of Nutrition, 1990, 63, 79-89.	1.2	55
107	Subcellular localization of recently-absorbed iron in mouse duodenal enterocytes: Identification of a basolateral membrane iron-binding site. Cell Biochemistry and Function, 1990, 8, 107-115.	1.4	11
108	Brush border membrane non-esterified fatty acids. Physiological levels and significance for mucosal iron uptake in mouse proximal intestine. Cell Biochemistry and Function, 1989, 7, 165-171.	1.4	9

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109	Mechanisms of Intestinal Brush Border Iron Transport. Advances in Experimental Medicine and Biology, 1989, 249, 27-34.	0.8	11
110	Significance of non-esterified fatty acids in iron uptake by intestinal brush-border membrane vesicles. Biochimica Et Biophysica Acta - Biomembranes, 1988, 941, 39-47.	1.4	40
111	Subcellular distribution of recently absorbed iron and of transferrin in the mouse duodenal mucosa. Biochimica Et Biophysica Acta - Molecular Cell Research, 1988, 969, 166-175.	1.9	5
112	Possible role of free fatty acids in brush-border membrane iron transport. Biochemical Society Transactions, 1987, 15, 687-687.	1.6	1
113	Iron species in iron ascorbate solutions at physiological pH. Biochemical Society Transactions, 1987, 15, 688-688.	1.6	7
114	Effect of Ca2+ and Mg2+ on the uptake of Fe3+ by mouse intestinal mucosa. Biochimica Et Biophysica Acta - General Subjects, 1987, 923, 46-51.	1.1	18
115	Iron-binding lipids of rabbit duodenal brush-border membrane. Biochimica Et Biophysica Acta - Biomembranes, 1987, 898, 181-186.	1.4	39
116	Transport of Fe2+ across lipid bilayers: possible role of free fatty acids. Biochimica Et Biophysica Acta - Biomembranes, 1987, 898, 187-195.	1.4	37
117	Intestinal iron absorption and mucosal transferrin in rats subjected to hypoxia. Blut, 1987, 55, 421-431.	1.2	23
118	In vitro measurement and adaptive response of Fe3+ uptake by mouse intestine. Cell Biochemistry and Function, 1987, 5, 69-76.	1.4	38
119	Studies of the Mechanisms of Mucosal Iron Uptake. , 1987, , 269-272.		0
120	pH-sensitive transport of Fe2+ across purified brush-border membrane from mouse intestine. Biochimica Et Biophysica Acta - Biomembranes, 1986, 856, 109-114.	1.4	15
121	Mouse intestinal Fe3+ uptake kinetics in vivo. The significance of brush-border membrane vesicle transport in the mechanism of mucosal Fe3+ uptake. Biochimica Et Biophysica Acta - Biomembranes, 1986, 856, 115-122.	1.4	23
122	Cholate-soluble and -insoluble iron binding components of rabbit duodenal brush-border membrane. Relevance to Fe2+ uptake by brush-border membrane vesicles. Biochimica Et Biophysica Acta - Biomembranes, 1986, 859, 227-236.	1.4	12
123	Fe2+ uptake by mouse intestinal mucosa in vivo and by isolated intestinal brush-border membrane vesicles. Biochimica Et Biophysica Acta - Biomembranes, 1986, 860, 229-235.	1.4	17
124	Studies on the role of 5â€²-nucleotidase in the regulation of nucleoside uptake by peripheral blood lymphocytes from control subjects and patients with chronic lymphatic leukaemia. Biochemical Society Transactions, 1986, 14, 97-98.	1.6	0
125	Evidence for distinct, separately regulated mechanisms for the uptake of Fe2+ and Fe3+ by mouse duodenum. Biochemical Society Transactions, 1986, 14, 142-142.	1.6	6
126	A 1H-NMR study of the activity expressed by lactate dehydrogenase in the human erythrocyte. FEBS Journal, 1986, 158, 299-305.	0.2	27

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127	Investigation of Fe-ADP, Fe-ATP and other iron complexes in perchloric acid extracts of erythrocytes and normal and iron-loaded rat liver. Biochemical Society Transactions, 1985, 13, 1248-1249.	1.6	0
128	Rapid preparation of highly purified human transferrin. Analytical Biochemistry, 1985, 149, 349-353.	1.1	5
129	Fe^{3+} transport by brush-border membrane vesicles isolated from normal and hypoxic mouse duodenum and ileum. Biochimica Et Biophysica Acta - Biomembranes, 1985, 814, 8-12.	1.4	20
130	Fe^{2+} uptake by intestinal brush-border membrane vesicles from normal and hypoxic mice. Biochimica Et Biophysica Acta - Biomembranes, 1985, 814, 381-388.	1.4	33
131	Studies of Fe^{3+} transport across isolated intestinal brush-border membrane of the mouse. Biochimica Et Biophysica Acta - Biomembranes, 1984, 772, 220-226.	1.4	44
132	An NMR investigation of isotope exchange involving multiply labelled intermediates. Tetrahedron, 1983, 39, 3443-3448.	1.0	2
133	Centrifugal analysis of undiluted packed human erythrocyte lysates studies of the association of glyceraldehyde-phosphate dehydrogenase with the membrane fraction. Biochimica Et Biophysica Acta - General Subjects, 1983, 758, 187-190.	1.1	12
134	Association of aldolase with the membranes in concentrated human erythrocyte lysates. Biochemical Society Transactions, 1983, 11, 281-282.	1.6	3
135	^{1}H n.m.r. studies of the kinetic properties expressed by erythrocyte enzymes <i>in situ</i> and <i>in vitro</i>. Biochemical Society Transactions, 1983, 11, 280-281.	1.6	2
136	Spin echo proton NMR studies of the metabolism of malate and fumarate in human erythrocytes. Biochimica Et Biophysica Acta - Molecular Cell Research, 1982, 721, 191-200.	1.9	21