Nancy C Andrews

List of Publications by Year
in descending order

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138 papers	25,833 citations	11651 70 h-index	14208 128 g-index
144 all docs	144 docs citations	144 times ranked	18698 citing authors

#	Article	IF	Citations
1	Evidence generation and reproducibility in cell and gene therapy research: A call to action. Molecular Therapy - Methods and Clinical Development, 2021, 22, 11-14.	4.1	13
2	Control of Systemic Iron Homeostasis by the 3â€™ Ironâ€Responsive Element of Divalent Metal Transporter 1Âin Mice. HemaSphere, 2020, 4, e459.	2.7	10
3	Understanding the Transferrin Receptor and Cellular Iron Deficiency Outside the Erythron. Blood, 2017, 130, SCI-42-SCI-42.	1.4	0
4	Disrupted iron homeostasis causes dopaminergic neurodegeneration in mice. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3428-3435.	7.1	109
5	A missense mutation in TFRC, encoding transferrin receptor 1, causes combined immunodeficiency. Nature Genetics, 2016, 48, 74-78.	21.4	219
6	Noncanonical role of transferrin receptor 1 is essential for intestinal homeostasis. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11714-11719.	7.1	68
7	Research in academic medical centers: Two threats to sustainable support. Science Translational Medicine, 2015, 7, 289fs22.	12.4	12
8	Lethal Cardiomyopathy in Mice Lacking Transferrin Receptor in the Heart. Cell Reports, 2015, 13, 533-545.	6.4	213
9	Metabolic Catastrophe in Mice Lacking Transferrin Receptor in Muscle. EBioMedicine, 2015, 2, 1705-1717.	6.1	62
10	Iron and Copper in Mitochondrial Diseases. Cell Metabolism, 2013, 17, 319-328.	16.2	142
11	Late stage erythroid precursor production is impaired in mice with chronic inflammation. Haematologica, 2012, 97, 1648-1656.	3.5	43
12	Divalent Metal Transporter 1 Regulates Iron-Mediated ROS and Pancreatic Î² Cell Fate in Response to Cytokines. Cell Metabolism, 2012, 16, 449-461.	16.2	133
13	Closing the Iron Gate. New England Journal of Medicine, 2012, 366, 376-377.	27.0	31
14	The channel kinase, TRPM7 , is required for early embryonic development. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E225-33.	7.1	153
15	Genetic Loss of Tmprss6 Increases Effective Erythropoiesis in a Mouse Model of Î²-Thalassemia. Blood, 2012, 120, 482-482.	1.4	0
16	Transferrin is a major determinant of hepcidin expression in hypotransferrinemic mice. Blood, 2011, 117, 630-637.	1.4	71
17	An Iron-Clad Role for Proteasomal Degradation. Cell Metabolism, 2011, 14, 281-282.	16.2	1
18	Tmprss6 is a genetic modifier of the Hfe-hemochromatosis phenotype in mice. Blood, 2011, 117, 4590-4599.	1.4	80

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19	Skeletal muscle hemojuvelin is dispensable for systemic iron homeostasis. Blood, 2011, 117, 6319-6325.	1.4	50
20	Proinflammatory state, hepcidin, and anemia in older persons. Blood, 2010, 115, 3810-3816.	1.4	191
21	Down-regulation of Bmp/Smad signaling by Tmprss6 is required for maintenance of systemic iron homeostasis. Blood, 2010, 115, 3817-3826.	1.4	145
22	Hepcidin induction by transgenic overexpression of Hfe does not require the Hfe cytoplasmic tail, but does require hemojuvelin. Blood, 2010, 116, 5679-5687.	1.4	23
23	Ferrit(in)ing Out New Mechanisms in Iron Homeostasis. Cell Metabolism, 2010, 12, 203-204.	16.2	17
24	Hepcidin as a therapeutic tool to limit iron overload and improve anemia in Î²-thalassemic mice. Journal of Clinical Investigation, 2010, 120, 4466-4477.	8.2	202
25	Hepcidin as a Therapeutic Tool to Limit Iron Overload and Improve Anemia In Î²-Thalassemia. Blood, 2010, 116, 1009-1009.	1.4	2
26	The Serine Protease Tmprss6 Regulates Hepcidin Expression, but Its Loss Does Not Cause Systemic Iron Deficiency In the Fetal and Neonatal Periods. Blood, 2010, 116, 4258-4258.	1.4	0
27	Tmprss6, An Inhibitor of Hepatic Bmp/Smad Signaling, Is Required for Hepcidin Suppression and Iron Loading In a Mouse Model of Î²-Thalassemia. Blood, 2010, 116, 164-164.	1.4	2
28	ABCs of erythroid mitochondrial iron uptake. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 16012-16013.	7.1	7
29	Iron Is Essential for Neuron Development and Memory Function in Mouse Hippocampus. Journal of Nutrition, 2009, 139, 672-679.	2.9	159
30	Genes determining blood cell traits. Nature Genetics, 2009, 41, 1161-1162.	21.4	29
31	Scara5 Is a Ferritin Receptor Mediating Non-Transferrin Iron Delivery. Developmental Cell, 2009, 16, 35-46.	7.0	264
32	Build it and hope that enough of them will come. Journal of Clinical Investigation, 2009, 119, 2860-2861.	8.2	1
33	Tmprss6 Is a Genetic Modifier of the Hfe-Hemochromatosis Phenotype in Mice.. Blood, 2009, 114, 625-625.	1.4	0
34	Mutations in TMPRSS6 cause iron-refractory iron deficiency anemia (IRIDA). Nature Genetics, 2008, 40, 569-571.	21.4	586
35	Chapter 6 Iron Homeostasis and Erythropoiesis. Current Topics in Developmental Biology, 2008, 82, 141-167.	2.2	50
36	The Transferrin Receptor Modulates Hfe-Dependent Regulation of Hepcidin Expression. Cell Metabolism, 2008, 7, 205-214.	16.2	315

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37	Deficiency of heme-regulated eIF2Â kinase decreases hepcidin expression and splenic iron in HFE-/- mice. Haematologica, 2008, 93, 753-756.	3.5	20
38	Deletion of Trpm7 Disrupts Embryonic Development and Thymopoiesis Without Altering Mg ²⁺ Homeostasis. Science, 2008, 322, 756-760.	12.6	379
39	Forging a field: the golden age of iron biology. Blood, 2008, 112, 219-230.	1.4	537
40	Hematopoietic-specific Stat5-null mice display microcytic hypochromic anemia associated with reduced transferrin receptor gene expression. Blood, 2008, 112, 2071-2080.	1.4	93
41	Increased Hepcidin Expression in Mice Affected by Î²-Thalassemia Reduces Iron Overload with No Effect on Anemia. Blood, 2008, 112, 128-128.	1.4	4
42	Inhibited Maturation of Ter119+CD71+ Erythroid Precursors in Mice with Chronic Sterile Abscess.. Blood, 2008, 112, 3844-3844.	1.4	0
43	Climbing through Medicine's Glass Ceiling. New England Journal of Medicine, 2007, 357, 1887-1889.	27.0	42
44	A novel murine protein with no effect on iron homoeostasis is homologous with transferrin and is the putative inhibitor of carbonic anhydrase. Biochemical Journal, 2007, 406, 85-95.	3.7	13
45	Hepcidin antimicrobial peptide transgenic mice exhibit features of the anemia of inflammation. Blood, 2007, 109, 4038-4044.	1.4	162
46	Of mice and iron: ferroportin disease. Blood, 2007, 109, 4115-4115.	1.4	1
47	When Is a Heme Transporter Not a Heme Transporter? When It's a Folate Transporter. Cell Metabolism, 2007, 5, 5-6.	16.2	29
48	Ineffective erythropoiesis in Î²-thalassemia is characterized by increased iron absorption mediated by down-regulation of hepcidin and up-regulation of ferroportin. Blood, 2007, 109, 5027-5035.	1.4	277
49	Genetic variation in Mon1a affects protein trafficking and modifies macrophage iron loading in mice. Nature Genetics, 2007, 39, 1025-1032.	21.4	61
50	Transferrin receptor 1 is a cellular receptor for New World haemorrhagic fever arenaviruses. Nature, 2007, 446, 92-96.	27.8	374
51	Iron Homeostasis. Annual Review of Physiology, 2007, 69, 69-85.	13.1	557
52	Modulation of bone morphogenetic protein signaling in vivo regulates systemic iron balance. Journal of Clinical Investigation, 2007, 117, 1933-1939.	8.2	401
53	The function of heme-regulated eIF2Î± kinase in murine iron homeostasis and macrophage maturation. Journal of Clinical Investigation, 2007, 117, 3296-3305.	8.2	81
54	Iron Absorption. , 2006, , 1983-1992.		1

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55	Chronic hepcidin induction causes hyposideremia and alters the pattern of cellular iron accumulation in hemochromatotic mice. Blood, 2006, 107, 2952-2958.	1.4	75
56	Interleukin-6 induces hepcidin expression through STAT3. Blood, 2006, 108, 3204-3209.	1.4	782
57	The Ins and Outs of Iron Homeostasis. Physiology, 2006, 21, 115-123.	3.1	69
58	Bone morphogenetic protein signaling by hemojuvelin regulates hepcidin expression. Nature Genetics, 2006, 38, 531-539.	21.4	921
59	Hereditary Hemochromatosis Protein, HFE, Interaction with Transferrin Receptor 2 Suggests a Molecular Mechanism for Mammalian Iron Sensing. Journal of Biological Chemistry, 2006, 281, 28494-28498.	3.4	297
60	Iron Metabolism. , 2006, , 848-853.		2
61	Anemia of inflammation: the hepcidin link. Current Opinion in Hematology, 2005, 12, 107-111.	2.5	169
62	Haptoglobin modifies the hemochromatosis phenotype in mice. Blood, 2005, 105, 3353-3355.	1.4	36
63	Cybrd1 (duodenal cytochrome b) is not necessary for dietary iron absorption in mice. Blood, 2005, 106, 2879-2883.	1.4	147
64	Analysis of the E399D mutation in SLC11A2. Blood, 2005, 106, 2221-2222.	1.4	11
65	A mutation in Sec15l1 causes anemia in hemoglobin deficit (hbd) mice. Nature Genetics, 2005, 37, 1270-1273.	21.4	86
66	Iron in Skin of Mice with Three Etiologies of Systemic Iron Overload. Journal of Investigative Dermatology, 2005, 125, 1200-1205.	0.7	19
67	Understanding Heme Transport. New England Journal of Medicine, 2005, 353, 2508-2509.	27.0	47
68	The iron exporter ferroportin/Slc40a1 is essential for iron homeostasis. Cell Metabolism, 2005, 1, 191-200.	16.2	1,006
69	Molecular control of iron metabolism. Best Practice and Research in Clinical Haematology, 2005, 18, 159-169.	1.7	78
70	Slc11a2 is required for intestinal iron absorption and erythropoiesis but dispensable in placenta and liver. Journal of Clinical Investigation, 2005, 115, 1258-1266.	8.2	339
71	A mouse model of juvenile hemochromatosis. Journal of Clinical Investigation, 2005, 115, 2187-2191.	8.2	319
72	Hemojuvelin Acts as a Bone Morphogenetic Protein Co-Receptor To Regulate Hepcidin Expression.. Blood, 2005, 106, 511-511.	1.4	5

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73	A Mutation in Sec15l1 Disrupts the Transferrin Cycle and Causes Anemia in Hemoglobin Deficit (hbd) Mice.. Blood, 2005, 106, 513-513.	1.4	3
74	A Spontaneous, Recurrent Mutation in Divalent Metal Transporter-1 Exposes a Calcium Entry Pathway. PLoS Biology, 2004, 2, e50.	5.6	60
75	Complexity of CNC Transcription Factors As Revealed by Gene Targeting of the Nrf3 Locus. Molecular and Cellular Biology, 2004, 24, 3286-3294.	2.3	87
76	Probing the iron pool. Focus on â€œDetection of intracellular iron by its regulatory effectâ€• American Journal of Physiology - Cell Physiology, 2004, 287, C1537-C1538.	4.6	11
77	Transferrin is required for early T-cell differentiation. Immunology, 2004, 112, 543-549.	4.4	56
78	An Hfe-dependent pathway mediates hyposideremia in response to lipopolysaccharide-induced inflammation in mice. Nature Genetics, 2004, 36, 481-485.	21.4	108
79	Iron homeostasis and inherited iron overload disorders: an overview. Hematology/Oncology Clinics of North America, 2004, 18, 1379-1403.	2.2	44
80	Balancing Acts. Cell, 2004, 117, 285-297.	28.9	1,544
81	Contributions of Î²2-microglobulinâ€“dependent molecules and lymphocytes to iron regulation: insights from HfeRag1-/- and Î²2mRag1-/- double knock-out mice. Blood, 2004, 103, 2847-2849.	1.4	31
82	Hepcidin, a candidate modifier of the hemochromatosis phenotype in mice. Blood, 2004, 103, 2841-2843.	1.4	46
83	Identification of a novel mutation (C321X) in HJV. Blood, 2004, 104, 2176-2177.	1.4	47
84	Anemia of inflammation: the cytokine-hepcidin link. Journal of Clinical Investigation, 2004, 113, 1251-1253.	8.2	283
85	Pathophysiologic mechanisms of anemia of chronic disease. Postgraduate Medicine, 2004, 116, 017-022.	2.0	0
86	Regulatory defects in liver and intestine implicate abnormal hepcidin and Cybrd1 expression in mouse hemochromatosis. Nature Genetics, 2003, 34, 102-107.	21.4	274
87	Constitutive hepcidin expression prevents iron overload in a mouse model of hemochromatosis. Nature Genetics, 2003, 34, 97-101.	21.4	284
88	Forging iron links. Blood, 2003, 101, 2450-2450.	1.4	1
89	Probucol prevents early coronary heart disease and death in the high-density lipoprotein receptor SR-BI/apolipoprotein E double knockout mouse. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 7283-7288.	7.1	132
90	2002 E. Mead Johnson Award for Research in Pediatrics Lecture: The Molecular Biology of the Anemia of Chronic Disease: A Hypothesis. Pediatric Research, 2003, 53, 507-512.	2.3	53

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91	Hfe deficiency increases susceptibility to cardiotoxicity and exacerbates changes in iron metabolism induced by doxorubicin. Blood, 2003, 102, 2574-2580.	1.4	139
92	Transferrin receptor 1 is differentially required in lymphocyte development. Blood, 2003, 102, 3711-3718.	1.4	103
93	Failure of red blood cell maturation in mice with defects in the high-density lipoprotein receptor SR-BI. Blood, 2002, 99, 1817-1824.	1.4	115
94	Regulation of iron absorption in Hfe mutant mice. Blood, 2002, 100, 1465-1469.	1.4	78
95	Inappropriate expression of hepcidin is associated with iron refractory anemia: implications for the anemia of chronic disease. Blood, 2002, 100, 3776-3781.	1.4	572
96	A genetic view of iron homeostasis. Seminars in Hematology, 2002, 39, 227-234.	3.4	42
97	Failure of red blood cell maturation in mice with defects in the high-density lipoprotein receptor SR-BI. Blood, 2002, 99, 1817-1824.	1.4	111
98	Metal transporters and disease. Current Opinion in Chemical Biology, 2002, 6, 181-186.	6.1	94
99	The other physician-scientist problem: Where have all the young girls gone?. Nature Medicine, 2002, 8, 439-441.	30.7	78
100	Animal Models of Hereditary Iron Transport Disorders. Advances in Experimental Medicine and Biology, 2002, 509, 1-17.	1.6	10
101	Iron-dependent regulation of the divalent metal ion transporter. FEBS Letters, 2001, 509, 309-316.	2.8	269
102	Expression of Stimulator of Fe Transport Is Not Enhanced in Hfe Knockout Mice. Journal of Nutrition, 2001, 131, 1459-1464.	2.9	15
103	Expression of the DMT1 (NRAMP2/DCT1) iron transporter in mice with genetic iron overload disorders. Blood, 2001, 97, 1138-1140.	1.4	90
104	Ferreting out the dynamics of ferritin expression. Blood, 2001, 98, 503-504.	1.4	1
105	Uroporphyria in Hfe mutant mice given 5-aminolevulinate: A new model of Fe-mediated porphyria cutanea tarda. Hepatology, 2001, 33, 406-412.	7.3	20
106	A mutation in a mitochondrial transmembrane protein is responsible for the pleiotropic hematological and skeletal phenotype of flexed-tail (f/f) mice. Genes and Development, 2001, 15, 652-657.	5.9	84
107	Autosomal-dominant hemochrom-atosis is associated with a mutation in the ferroportin (SLC11A3) gene. Journal of Clinical Investigation, 2001, 108, 619-623.	8.2	429
108	Inherited iron overload disorders. Current Opinion in Pediatrics, 2000, 12, 596-602.	2.0	10

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109	Positional cloning of zebrafish ferroportin1 identifies a conserved vertebrate iron exporter. Nature, 2000, 403, 776-781.	27.8	1,491
110	Iron homeostasis: insights from genetics and animal models. Nature Reviews Genetics, 2000, 1, 208-217.	16.3	352
111	Iron metabolism and absorption. Reviews in Clinical and Experimental Hematology, 2000, 4, 283-301.	0.1	7
112	The molecular defect in hypotransferrinemic mice. Blood, 2000, 96, 1113-1118.	1.4	161
113	Comparison of the Interactions of Transferrin Receptor and Transferrin Receptor 2 with Transferrin and the Hereditary Hemochromatosis Protein HFE. Journal of Biological Chemistry, 2000, 275, 38135-38138.	3.4	214
114	Ectopic Expression of Transcription Factor NF-E2 Alters the Phenotype of Erythroid and Monoblastoid Cells. Journal of Biological Chemistry, 2000, 275, 25292-25298.	3.4	13
115	IRONMETABOLISM: Iron Deficiency and Iron Overload. Annual Review of Genomics and Human Genetics, 2000, 1, 75-98.	6.2	156
116	Genes that modify the hemochromatosis phenotype in mice. Journal of Clinical Investigation, 2000, 105, 1209-1216.	8.2	204
117	The molecular defect in hypotransferrinemic mice. Blood, 2000, 96, 1113-1118.	1.4	10
118	The C282Y Mutation Causing Hereditary Hemochromatosis Does Not Produce a Null Allele. Blood, 1999, 94, 9-11.	1.4	239
119	The iron transporter DMT1. International Journal of Biochemistry and Cell Biology, 1999, 31, 991-994.	2.8	216
120	Disorders of Iron Metabolism. New England Journal of Medicine, 1999, 341, 1986-1995.	27.0	1,693
121	Iron Transport Across Biologic Membranes. Nutrition Reviews, 1999, 57, 114-123.	5.8	75
122	Molecular insights into mechanisms of iron transport. Current Opinion in Hematology, 1999, 6, 61.	2.5	29
123	Mammalian iron transport: An unexpected link between metal homeostasis and host defense. Translational Research, 1998, 132, 464-468.	2.3	37
124	Molecules in focus The NF-E2 transcription factor. International Journal of Biochemistry and Cell Biology, 1998, 30, 429-432.	2.8	78
125	The G185R Mutation Disrupts Function of the Iron Transporter Nramp2. Blood, 1998, 92, 2157-2163.	1.4	210
126	The G185R Mutation Disrupts Function of the Iron Transporter Nramp2. Blood, 1998, 92, 2157-2163.	1.4	12

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127	Molecular Characterization and Localization of the HumanMAFGGene. Genomics, 1997, 44, 147-149.	2.9	10
128	Human MafG Is a Functional Partner for p45 NF-E2 in Activating Globin Gene Expression. Blood, 1997, 89, 3925-3935.	1.4	79
129	Microcytic anaemia mice have a mutation in Nramp2, a candidate iron transporter gene. Nature Genetics, 1997, 16, 383-386.	21.4	1,102
130	The Maf transcription factors: regulators of differentiation. Trends in Biochemical Sciences, 1997, 22, 437-441.	7.5	254
131	Iron Deficiency Anemia Associated with an Error of Iron Metabolism in Two Siblings: A Thirty Year Follow Up. Hematology, 1996, 1, 65-73.	1.5	6
132	cAMP-dependent Protein Kinase Is Necessary for Increased NF-E2Â·DNA Complex Formation during Erythroleukemia Cell Differentiation. Journal of Biological Chemistry, 1995, 270, 9169-9177.	3.4	20
133	Multiple Proteins Interact with the Nuclear Inhibitory Protein Repressor Element in the Human Interleukin-3 Promoter. Journal of Biological Chemistry, 1995, 270, 24572-24579.	3.4	16
134	Erythroid Transcription Factor NF-E2 Coordinates Hemoglobin Synthesis. Pediatric Research, 1994, 36, 419-423.	2.3	14
135	Erythroid transcription factor NF-E2 is a haematopoietic-specific basicâ€“leucine zipper protein. Nature, 1993, 362, 722-728.	27.8	641
136	Mouse microcytic anaemia caused by a defect in the gene encoding the globin enhancer-binding protein NF-E2. Nature, 1993, 362, 768-770.	27.8	56
137	A rapid micrqpreparation technique for extraction of DNA-binding proteins from limiting numbers of mammalian cells. Nucleic Acids Research, 1991, 19, 2499-2499.	14.5	2,268
138	The Molecular Basis of Iron Metabolism. , 0, , 169-178.		0