Paolo Arosio

List of Publications by Year in Descending Order

199 papers	13,702 citations	63 h-index	113 g-index
202 ext. papers	15,077 ext. citations	4.9 avg, IF	6.27 L-index

#	Paper	IF	Citations
199	Biochemical, Biophysical and Functional Characterization of an Insoluble Iron Containing HepcidinFerritin Chimeric Monomer Assembled Together with Human Ferritin H/L Chains at Different Molar Ratios. *Current Issues in Molecular Biology*, **2022**, 44, 117-127	2.9	
198	Iron Mobilization from Ferritin in Yeast Cell Lysate and Physiological Implications. *International Journal of Molecular Sciences*, **2022**, 23, 6100	6.3	2
197	H-ferritin suppression and pronounced mitochondrial respiration make Hepatocellular Carcinoma cells sensitive to RSL3-induced ferroptosis. *Free Radical Biology and Medicine*, **2021**, 169, 294-303	7.8	8
196	NCOA4-mediated ferritinophagy promotes ferroptosis induced by erastin, but not by RSL3 in HeLa cells. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2021**, 1868, 118913	4.9	18
195	BMP6 binding to heparin and heparan sulfate is mediated by N-terminal and C-terminal clustered basic residues. *Biochimica Et Biophysica Acta - General Subjects*, **2021**, 1865, 129799	4	3
194	Iron distribution in different tissues of homozygous Mask (msk/msk) mice and the effects of oral iron treatments. *American Journal of Hematology*, **2021**, 96, 1253-1263	7.1	
193	A Novel Approach for the Synthesis of Human Heteropolymer Ferritins of Different H to L Subunit Ratios. *Journal of Molecular Biology*, **2021**, 433, 167198	6.5	1
192	Ferritin in glioblastoma. *British Journal of Cancer*, **2020**, 122, 1441-1444	8.7	1
191	Thermodynamic and Kinetic Studies of the Interaction of Nuclear Receptor Coactivator-4 (NCOA4) with Human Ferritin. *Biochemistry*, **2020**, 59, 2707-2717	3.2	8
190	Pentosan polysulfate to control hepcidin expression in vitro and in vivo. *Biochemical Pharmacology*, **2020**, 175, 113867	6	9
189	Cellular binding analysis of recombinant hybrid heteropolymer of camel hepcidin and human ferritin H chain. The unexpected human H-ferritin binding to J774 murine macrophage cells. *Molecular Biology Reports*, **2020**, 47, 1265-1273	2.8	0
188	The Antitumor Didox Acts as an Iron Chelator in Hepatocellular Carcinoma Cells. *Pharmaceuticals*, **2019**, 12,	5.2	1
187	Potential Role of H-Ferritin in Mitigating Valvular Mineralization. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2019**, 39, 413-431	9.4	13
186	Ferritin exhibits Michaelis-Menten behavior with oxygen but not with iron during iron oxidation and core mineralization. *Metallomics*, **2019**, 11, 774-783	4.5	10
185	Ferritin Light Chain Confers Protection Against Sepsis-Induced Inflammation and Organ Injury. *Frontiers in Immunology*, **2019**, 10, 131	8.4	33
184	Mutant L-chain ferritins that cause neuroferritinopathy alter ferritin functionality and iron permeability. *Metallomics*, **2019**, 11, 1635-1647	4.5	9
183	Hepatic heparan sulfate is a master regulator of hepcidin expression and iron homeostasis in human hepatocytes and mice. *Journal of Biological Chemistry*, **2019**, 294, 13292-13303	5.4	9

182	Design and site-directed compartmentalization of gold nanoclusters within the intrasubunit interfaces of ferritin nanocage. *Journal of Nanobiotechnology*, **2019**, 17, 79	9.4	12
181	The role of heparin, heparanase and heparan sulfates in hepcidin regulation. *Vitamins and Hormones*, **2019**, 110, 157-188	2.5	8
180	Synuclein in blood cells differentiates Parkinson's disease from healthy controls. *Annals of Clinical and Translational Neurology*, **2019**, 6, 2426-2436	5.3	11
179	Sucrosomial Iron Supplementation in Mice: Effects on Blood Parameters, Hepcidin, and Inflammation. *Nutrients*, **2018**, 10,	6.7	15
178	Mitochondrial ferritin deficiency reduces male fertility in mice. *Reproduction, Fertility and Development*, **2017**, 29, 2005-2010	1.8	8
177	Iron Oxidation and Core Formation in Recombinant Heteropolymeric Human Ferritins. *Biochemistry*, **2017**, 56, 3900-3912	3.2	35
176	Ferritin, cellular iron storage and regulation. *IUBMB Life*, **2017**, 69, 414-422	4.7	143
175	Study of ferritin self-assembly and heteropolymer formation by the use of Fluorescence Resonance Energy Transfer (FRET) technology. *Biochimica Et Biophysica Acta - General Subjects*, **2017**, 1861, 522-532	4	16
174	Production and characterization of functional recombinant hybrid heteropolymers of camel hepcidin and human ferritin H and L chains. *Protein Engineering, Design and Selection*, **2017**, 30, 77-84	1.9	6
173	Effect of chaotropes on the kinetics of iron release from ferritin by flavin nucleotides. *Biochimica Et Biophysica Acta - General Subjects*, **2017**, 1861, 3257-3262	4	11
172	Expression and characterization of the ferritin binding domain of Nuclear Receptor Coactivator-4 (NCOA4). *Biochimica Et Biophysica Acta - General Subjects*, **2017**, 1861, 2710-2716	4	29
171	Recombinant overexpression of camel hepcidin cDNA in Pichia pastoris: purification and characterization of the polyHis-tagged peptide HepcD-His. *Journal of Molecular Recognition*, **2017**, 30, e2561	2.6	2
170	Non-Anticoagulant Heparins Are Hepcidin Antagonists for the Treatment of Anemia. *Molecules*, **2017**, 22,	4.8	18
169	Insights on the (Auto)Photocatalysis of Ferritin. *Inorganic Chemistry*, **2016**, 55, 6047-50	5.1	6
168	Photoacoustic molecular imaging for in vivo liver iron quantitation. *Journal of Biomedical Optics*, **2016**, 21, 56008	3.5	3
167	Pharmacological induction of ferritin prevents osteoblastic transformation of smooth muscle cells. *Journal of Cellular and Molecular Medicine*, **2016**, 20, 217-30	5.6	21
166	Iron Homeostasis in Health and Disease. *International Journal of Molecular Sciences*, **2016**, 17,	6.3	185
165	Heparanase Overexpression Reduces Hepcidin Expression, Affects Iron Homeostasis and Alters the Response to Inflammation. *PLoS ONE*, **2016**, 11, e0164183	3.7	15

164	Energetics of surface confined ferritin during iron loading. *Colloids and Surfaces B: Biointerfaces*, **2016**, 145, 520-525	6	5
163	Expression of iron homeostasis proteins in the spinal cord in experimental autoimmune encephalomyelitis and their implications for iron accumulation. *Neurobiology of Disease*, **2015**, 81, 93-107	7.5	46
162	The importance of iron in pathophysiologic conditions. *Frontiers in Pharmacology*, **2015**, 6, 26	5.6	18
161	Macrophage and epithelial cell H-ferritin expression regulates renal inflammation. *Kidney International*, **2015**, 88, 95-108	9.9	51
160	The Ferritin-Heavy-Polypeptide-Like-17 (FTHL17) gene encodes a ferritin with low stability and no ferroxidase activity and with a partial nuclear localization. *Biochimica Et Biophysica Acta - General Subjects*, **2015**, 1850, 1267-73	4	17
159	Chemically and biologically harmless versus harmful ferritin/copper-metallothionein couples. *Chemistry - A European Journal*, **2015**, 21, 808-13	4.8	4
158	The importance of eukaryotic ferritins in iron handling and cytoprotection. *Biochemical Journal*, **2015**, 472, 1-15	3.8	58
157	Behavioral characterization of mouse models of neuroferritinopathy. *PLoS ONE*, **2015**, 10, e0118990	3.7	15
156	High Sulfation and a High Molecular Weight Are Important for Anti-hepcidin Activity of Heparin. *Frontiers in Pharmacology*, **2015**, 6, 316	5.6	14
155	Glycol-split nonanticoagulant heparins are inhibitors of hepcidin expression in vitro and in vivo. *Blood*, **2014**, 123, 1564-73	2.2	53
154	Oversulfated heparins with low anticoagulant activity are strong and fast inhibitors of hepcidin expression in vitro and in vivo. *Biochemical Pharmacology*, **2014**, 92, 467-75	6	36
153	Biology of ferritin in mammals: an update on iron storage, oxidative damage and neurodegeneration. *Archives of Toxicology*, **2014**, 88, 1787-802	5.8	101
152	Mice lacking mitochondrial ferritin are more sensitive to doxorubicin-mediated cardiotoxicity. *Journal of Molecular Medicine*, **2014**, 92, 859-69	5.5	33
151	Novel functional changes during podocyte differentiation: increase of oxidative resistance and H-ferritin expression. *Oxidative Medicine and Cellular Longevity*, **2014**, 2014, 976394	6.7	8
150	Iron acquisition in Bacillus cereus: the roles of IlsA and bacillibactin in exogenous ferritin iron mobilization. *PLoS Pathogens*, **2014**, 10, e1003935	7.6	27
149	Hepcidin antagonists for potential treatments of disorders with hepcidin excess. *Frontiers in Pharmacology*, **2014**, 5, 86	5.6	85
148	Iron release from ferritin by flavin nucleotides. *Biochimica Et Biophysica Acta - General Subjects*, **2013**, 1830, 4669-74	4	37
147	Proximal tubule H-ferritin mediates iron trafficking in acute kidney injury. *Journal of Clinical Investigation*, **2013**, 123, 4423-34	15.9	115

146	Biofortification for combating 'hidden hunger' for iron. *Trends in Plant Science*, **2012**, 17, 47-55	13.1	105
145	Hepcidin Inhibition by Modified Heparins without Anticoagulant Activity. *Blood*, **2012**, 120, 483-483	2.2	
144	Ferritin as an important player in neurodegeneration. *Parkinsonism and Related Disorders*, **2011**, 17, 423-30	3.6	99
143	Heparin: a potent inhibitor of hepcidin expression in vitro and in vivo. *Blood*, **2011**, 117, 997-1004	2.2	109
142	Ferritin-H and a Phytotherapeutic, Alone or Combined, Reprogram RBC Precursor Cells From SCD Patients to Produce Levels of Fetal Hemoglobin That Constitute a Phenotypic Cure for Sickle Cell As Well As Providing Resistance to Malaria and a Probable Treatment for Beta-Thalassemia. *Blood*, **2011**, 118, 903-903	2.2	
141	Analysis of nucleotide variations in genes of iron management in patients of Parkinson's disease and other movement disorders. *Parkinson's Disease*, **2010**, 2011, 827693	2.6	4
140	Sequence variations in mitochondrial ferritin: distribution in healthy controls and different types of patients. *Genetic Testing and Molecular Biomarkers*, **2010**, 14, 793-6	1.6	8
139	Mutant ferritin L-chains that cause neurodegeneration act in a dominant-negative manner to reduce ferritin iron incorporation. *Journal of Biological Chemistry*, **2010**, 285, 11948-57	5.4	43
138	Cytosolic and mitochondrial ferritins in the regulation of cellular iron homeostasis and oxidative damage. *Biochimica Et Biophysica Acta - General Subjects*, **2010**, 1800, 783-92	4	205
137	The sedimentation properties of ferritins. New insights and analysis of methods of nanoparticle preparation. *Biochimica Et Biophysica Acta - General Subjects*, **2010**, 1800, 858-70	4	21
136	Transferrin receptor 2 and HFE regulate furin expression via mitogen-activated protein kinase/extracellular signal-regulated kinase (MAPK/Erk) signaling. Implications for transferrin-dependent hepcidin regulation. *Haematologica*, **2010**, 95, 1832-40	6.6	63
135	Ferritin ferroxidase activity: a potent inhibitor of osteogenesis. *Journal of Bone and Mineral Research*, **2010**, 25, 164-72	6.3	93
134	Oxidative stress and cell death in cells expressing L-ferritin variants causing neuroferritinopathy. *Neurobiology of Disease*, **2010**, 37, 77-85	7.5	64
133	Pantothenate kinase-2 (Pank2) silencing causes cell growth reduction, cell-specific ferroportin upregulation and iron deregulation. *Neurobiology of Disease*, **2010**, 39, 204-10	7.5	38
132	Regional and cellular distribution of mitochondrial ferritin in the mouse brain. *Journal of Neuroscience Research*, **2010**, 88, 3133-43	4.4	12
131	Dysregulation of iron homeostasis in the CNS contributes to disease progression in a mouse model of amyotrophic lateral sclerosis. *Journal of Neuroscience*, **2009**, 29, 610-9	6.6	122
130	Ferritin prevents calcification and osteoblastic differentiation of vascular smooth muscle cells. *Journal of the American Society of Nephrology: JASN*, **2009**, 20, 1254-63	12.7	63
129	Ferritin functions as a proinflammatory cytokine via iron-independent protein kinase C zeta/nuclear factor kappaB-regulated signaling in rat hepatic stellate cells. *Hepatology*, **2009**, 49, 887-900	11.2	167

128	Ferritins: a family of molecules for iron storage, antioxidation and more. *Biochimica Et Biophysica Acta - General Subjects*, **2009**, 1790, 589-99	4	548
127	Mitochondrial ferritin in the substantia nigra in restless legs syndrome. *Journal of Neuropathology and Experimental Neurology*, **2009**, 68, 1193-9	3.1	55
126	Human serum ferritin G-peptide is recognized by anti-L ferritin subunit antibodies and concanavalin-A. *British Journal of Haematology*, **2008**, 65, 235-237	4.5	2
125	New functions for an iron storage protein: the role of ferritin in immunity and autoimmunity. *Journal of Autoimmunity*, **2008**, 30, 84-9	15.5	194
124	HFE gene mutations in a population of Italian Parkinson's disease patients. *Parkinsonism and Related Disorders*, **2008**, 14, 426-30	3.6	23
123	The effects of frataxin silencing in HeLa cells are rescued by the expression of human mitochondrial ferritin. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2008**, 1782, 90-8	6.9	51
122	Facilitated diffusion of iron(II) and dioxygen substrates into human H-chain ferritin. A fluorescence and absorbance study employing the ferroxidase center substitution Y34W. *Journal of the American Chemical Society*, **2008**, 130, 17801-11	16.4	92
121	New TFR2 mutations in young Italian patients with hemochromatosis. *Haematologica*, **2008**, 93, 309-10	6.6	32
120	Ferritin--a mediator of apoptosis?. *Journal of Cellular Physiology*, **2007**, 212, 157-64	7	25
119	A comparative Mössbauer study of the mineral cores of human H-chain ferritin employing dioxygen and hydrogen peroxide as iron oxidants. *Biophysical Chemistry*, **2007**, 130, 114-21	3.5	26
118	Mitochondrial ferritin expression in adult mouse tissues. *Journal of Histochemistry and Cytochemistry*, **2007**, 55, 1129-37	3.4	122
117	No evidence of relation between peripheral neuropathy and presence of hemochromatosis gene mutations in HIV-1-positive patients. *Journal of Acquired Immune Deficiency Syndromes (1999)*, **2007**, 46, 255-6	3.1	6
116	Analysis of ferritin genes in Parkinson disease. *Clinical Chemistry and Laboratory Medicine*, **2007**, 45, 1450-6	3.9	22
115	RNA silencing of the mitochondrial ABCB7 transporter in HeLa cells causes an iron-deficient phenotype with mitochondrial iron overload. *Blood*, **2007**, 109, 3552-9	2.2	138
114	ELISA reveals a difference in the structure of substantia nigra ferritin in Parkinson's disease and incidental Lewy body compared to control. *Parkinsonism and Related Disorders*, **2007**, 13, 214-8	3.6	41
113	Characterization of the l-ferritin variant 460InsA responsible of a hereditary ferritinopathy disorder. *Neurobiology of Disease*, **2006**, 23, 644-52	7.5	36
112	Microelectronic DNA chip for hereditary hyperferritinemia cataract syndrome, a model for large-scale analysis of disorders of iron metabolism. *Human Mutation*, **2006**, 27, 201-8	4.7	34
111	Mutations of ferritin H chain C-terminus produced by nucleotide insertions have altered stability and functional properties. *Journal of Biochemistry*, **2006**, 139, 881-5	3.1	15

110	Iron(II) and hydrogen peroxide detoxification by human H-chain ferritin. An EPR spin-trapping study. *Biochemistry*, **2006**, 45, 3429-36	3.2	74
109	Neuroferritinopathy: a neurodegenerative disorder associated with L-ferritin mutation. *Best Practice and Research in Clinical Haematology*, **2005**, 18, 265-76	4.2	61
108	Origin of the unusual kinetics of iron deposition in human H-chain ferritin. *Journal of the American Chemical Society*, **2005**, 127, 3885-93	16.4	77
107	Unique iron binding and oxidation properties of human mitochondrial ferritin: a comparative analysis with Human H-chain ferritin. *Journal of Molecular Biology*, **2005**, 347, 543-54	6.5	71
106	Recombinant human hepcidin expressed in Escherichia coli isolates as an iron containing protein. *Blood Cells, Molecules, and Diseases*, **2005**, 35, 177-81	2.1	25
105	Kinetic studies of iron deposition catalyzed by recombinant human liver heavy and light ferritins and Azotobacter vinelandii bacterioferritin using O2 and H2O2 as oxidants. *Biophysical Chemistry*, **2005**, 114, 235-44	3.5	21
104	The expression of human mitochondrial ferritin rescues respiratory function in frataxin-deficient yeast. *Human Molecular Genetics*, **2004**, 13, 2279-88	5.6	91
103	Ferroportin gene silencing induces iron retention and enhances ferritin synthesis in human macrophages. *British Journal of Haematology*, **2004**, 127, 598-603	4.5	22
102	Blotting analysis of native IRP1: a novel approach to distinguish the different forms of IRP1 in cells and tissues. *Biochemistry*, **2004**, 43, 195-204	3.2	20
101	The putative "nucleation site" in human H-chain ferritin is not required for mineralization of the iron core. *Biochemistry*, **2004**, 43, 4332-7	3.2	37
100	The role of iron and copper molecules in the neuronal vulnerability of locus coeruleus and substantia nigra during aging. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 9843-8	11.5	342
99	Mitochondrial ferritin. *International Journal of Biochemistry and Cell Biology*, **2004**, 36, 1887-9	5.6	101
98	Identification of new mutations of hepcidin and hemojuvelin in patients with HFE C282Y allele. *Blood Cells, Molecules, and Diseases*, **2004**, 33, 338-43	2.1	48
97	Crystal structure and biochemical properties of the human mitochondrial ferritin and its mutant Ser144Ala. *Journal of Molecular Biology*, **2004**, 340, 277-93	6.5	107
96	Analysis of the biologic functions of H- and L-ferritins in HeLa cells by transfection with siRNAs and cDNAs: evidence for a proliferative role of L-ferritin. *Blood*, **2004**, 103, 2377-83	2.2	105
95	Mitochondrial ferritin expression in erythroid cells from patients with sideroblastic anemia. *Blood*, **2003**, 101, 1996-2000	2.2	163
94	Structural description of the active sites of mouse L-chain ferritin at 1.2 A resolution. *Journal of Biological Inorganic Chemistry*, **2003**, 8, 105-11	3.7	55
93	Defining metal ion inhibitor interactions with recombinant human H- and L-chain ferritins and site-directed variants: an isothermal titration calorimetry study. *Journal of Biological Inorganic Chemistry*, **2003**, 8, 489-97	3.7	39

92	Denaturing HPLC analysis of DNA deletions and insertions. *Human Mutation*, **2003**, 22, 98-102	4.7	13
91	Scanning mutations of the 5'UTR regulatory sequence of L-ferritin by denaturing high-performance liquid chromatography: identification of new mutations. *British Journal of Haematology*, **2003**, 121, 173-9	4.5	30
90	Multiple pathways for mineral core formation in mammalian apoferritin. The role of hydrogen peroxide. *Biochemistry*, **2003**, 42, 3142-50	3.2	139
89	Identification of new mutations of the HFE, hepcidin, and transferrin receptor 2 genes by denaturing HPLC analysis of individuals with biochemical indications of iron overload. *Clinical Chemistry*, **2003**, 49, 1981-8	5.5	66
88	Role of iron and ferritin in TNFalpha-induced apoptosis in HeLa cells. *FEBS Letters*, **2003**, 537, 187-92	3.8	54
87	Identification of two novel mutations in the 5'untranslated region of H-ferritin using denaturing high performance liquid chromatography scanning. *Haematologica*, **2003**, 88, 1110-6	6.6	22
86	Ferritin, iron homeostasis, and oxidative damage. *Free Radical Biology and Medicine*, **2002**, 33, 457-63	7.8	371
85	Characterization of the H- and L-subunit ratios of ferritins by sodium dodecyl sulfate-capillary gel electrophoresis. *Analytical Biochemistry*, **2002**, 302, 263-8	3.1	18
84	A novel deletion of the L-ferritin iron-responsive element responsible for severe hereditary hyperferritinaemia-cataract syndrome. *British Journal of Haematology*, **2002**, 116, 667-70	4.5	22
83	Genetic hyperferritinaemia and reticuloendothelial iron overload associated with a three base pair deletion in the coding region of the ferroportin gene (SLC11A3). *British Journal of Haematology*, **2002**, 119, 539-46	4.5	68
82	Human mitochondrial ferritin expressed in HeLa cells incorporates iron and affects cellular iron metabolism. *Journal of Biological Chemistry*, **2002**, 277, 22430-7	5.4	120
81	Heavy chain ferritin activates regulatory T cells by induction of changes in dendritic cells. *Blood*, **2002**, 99, 3326-34	2.2	91
80	mu-1,2-Peroxobridged di-iron(III) dimer formation in human H-chain ferritin. *Biochemical Journal*, **2002**, 364, 57-63	3.8	75
79	Ferrous ion binding to recombinant human H-chain ferritin. An isothermal titration calorimetry study. *Biochemistry*, **2002**, 41, 11184-91	3.2	70
78	Mitochondrial ferritin: a new player in iron metabolism. *Blood Cells, Molecules, and Diseases*, **2002**, 29, 376-83	2.1	129
77	Antiferritin VL homodimer binds human spleen ferritin with high specificity. *Journal of Structural Biology*, **2002**, 138, 171-86	3.4	7
76	Structure of mouse L-chain ferritin at 1.6 A resolution. *Acta Crystallographica Section D: Biological Crystallography*, **2001**, 57, 1491-7		15
75	A human mitochondrial ferritin encoded by an intronless gene. *Journal of Biological Chemistry*, **2001**, 276, 24437-40	5.4	274

74	Is hydrogen peroxide produced during iron(II) oxidation in mammalian apoferritins?. *Biochemistry*, **2001**, 40, 10832-8	3.2	64
73	Double-Gradient Denaturing Gradient Gel Electrophoresis Assay for Identification of L-Ferritin Iron-responsive Element Mutations Responsible for Hereditary Hyperferritinemia-Cataract Syndrome: Identification of the New Mutation C14G. *Clinical Chemistry*, **2001**, 47, 491-497	5.5	29
72	Relationship between TNF-alpha and iron metabolism in differentiating human monocytic THP-1 cells. *British Journal of Haematology*, **2000**, 110, 978-84	4.5	47
71	Vanadyl(IV) binding to mammalian ferritins. An EPR study aided by site-directed mutagenesis. *Journal of Inorganic Biochemistry*, **2000**, 80, 107-13	4.2	30
70	Early embryonic lethality of H ferritin gene deletion in mice. *Journal of Biological Chemistry*, **2000**, 275, 3021-4	5.4	188
69	Overexpression of wild type and mutated human ferritin H-chain in HeLa cells: in vivo role of ferritin ferroxidase activity. *Journal of Biological Chemistry*, **2000**, 275, 25122-9	5.4	192
68	Functional and immunological analysis of recombinant mouse H- and L-ferritins from Escherichia coli. *Protein Expression and Purification*, **2000**, 19, 212-8	2	79
67	Molecular diffusion into ferritin: pathways, temperature dependence, incubation time, and concentration effects. *Biophysical Journal*, **2000**, 78, 2049-59	2.9	61
66	Antiferritin single-chain Fv fragment is a functional protein with properties of a partially structured state: comparison with the completely folded V(L) domain. *Biochemistry*, **2000**, 39, 8047-57	3.2	25
65	An ELISA for the H-subunit of human ferritin which employs a combination of rabbit poly- and mice monoclonal antibodies and an enzyme labeled anti-mouse-IgG. *Clinical Chemistry and Laboratory Medicine*, **1999**, 37, 121-5	5.9	7
64	Overexpression of the hereditary hemochromatosis protein, HFE, in HeLa cells induces and iron-deficient phenotype. *FEBS Letters*, **1999**, 460, 149-52	3.8	65
63	Redox reactivity of animal apoferritins and apoheteropolymers assembled from recombinant heavy and light human chain ferritins. *Biochemistry*, **1999**, 38, 4089-96	3.2	24
62	Antiferritin single-chain antibody: a functional protein with incomplete folding?. *FEBS Letters*, **1998**, 441, 458-62	3.8	14
61	Reaction paths of iron oxidation and hydrolysis in horse spleen and recombinant human ferritins. *Biochemistry*, **1998**, 37, 9743-50	3.2	129
60	Transient overexpression of human H- and L-ferritin chains in COS cells. *Biochemical Journal*, **1998**, 330 (Pt 1), 315-20	3.8	41
59	Analysis of Ferritins in Lymphoblastoid Cell Lines and in the Lens of Subjects With Hereditary Hyperferritinemia-Cataract Syndrome. *Blood*, **1998**, 91, 4180-4187	2.2	76
58	Analysis of Ferritins in Lymphoblastoid Cell Lines and in the Lens of Subjects With Hereditary Hyperferritinemia-Cataract Syndrome. *Blood*, **1998**, 91, 4180-4187	2.2	1
57	Effects of modifications near the 2-, 3- and 4-fold symmetry axes on human ferritin renaturation. *Biochemical Journal*, **1997**, 322 (Pt 2), 461-8	3.8	43

56	Hereditary Hyperferritinemia-Cataract Syndrome: Relationship Between Phenotypes and Specific Mutations in the Iron-Responsive Element of Ferritin Light-Chain mRNA. *Blood*, **1997**, 90, 814-821	2.2	110
55	International collaborative study to evaluate a recombinant L ferritin preparation as an International Standard. *Clinical Chemistry*, **1997**, 43, 1582-1587	5.5	27
54	Biochemical and immunological characterization of recombinant allergen Lol p 1. *FEBS Journal*, **1997**, 249, 886-94		21
53	Hereditary Hyperferritinemia-Cataract Syndrome: Relationship Between Phenotypes and Specific Mutations in the Iron-Responsive Element of Ferritin Light-Chain mRNA. *Blood*, **1997**, 90, 814-821	2.2	5
52	The ferritins: molecular properties, iron storage function and cellular regulation. *Biochimica Et Biophysica Acta - Bioenergetics*, **1996**, 1275, 161-203	4.6	1870
51	Human recombinant antibody fragments specific for a rye-grass pollen allergen: characterization and potential applications. *Molecular Immunology*, **1996**, 33, 1049-58	4.3	19
50	Evidence that the specificity of iron incorporation into homopolymers of human ferritin L- and H-chains is conferred by the nucleation and ferroxidase centres. *Biochemical Journal*, **1996**, 314 (Pt 1), 139-44	3.8	112
49	Evidence that residues exposed on the three-fold channels have active roles in the mechanism of ferritin iron incorporation. *Biochemical Journal*, **1996**, 317 (Pt 2), 467-73	3.8	83
48	LOL pII Allergen. *Advances in Experimental Medicine and Biology*, **1996**, 255-260	3.6	
47	A quantitative analysis of isoferritins in select regions of aged, parkinsonian, and Alzheimer's diseased brains. *Journal of Neurochemistry*, **1995**, 65, 717-24	6	243
46	Reconstitution of manganese oxide cores in horse spleen and recombinant ferritins. *Journal of Inorganic Biochemistry*, **1995**, 58, 59-68	4.2	172
45	Tyrosyl radical formation during the oxidative deposition of iron in human apoferritin. *Biochemistry*, **1995**, 34, 7847-53	3.2	39
44	Recombinant allergen Lol p II: expression, purification and characterization. *Molecular Immunology*, **1995**, 32, 505-13	4.3	19
43	The role of the L-chain in ferritin iron incorporation. Studies of homo and heteropolymers. *Journal of Molecular Biology*, **1994**, 238, 649-54	6.5	158
42	Identification of the EPR-active iron-nitrosyl complexes in mammalian ferritins. *Biochemistry*, **1994**, 33, 3679-87	3.2	123
41	Chemico-physical and functional differences between H and L chains of human ferritin. *Advances in Experimental Medicine and Biology*, **1994**, 356, 13-21	3.6	2
40	Iron oxidation in sheep, horse and recombinant human apoferritins. *Advances in Experimental Medicine and Biology*, **1994**, 356, 23-30	3.6	4
39	Ferroxidase kinetics of human liver apoferritin, recombinant H-chain apoferritin, and site-directed mutants. *Biochemistry*, **1993**, 32, 9362-9	3.2	107

38	Human ferritin H-chains can be obtained in non-assembled stable forms which have ferroxidase activity. *FEBS Letters*, **1993**, 336, 309-12	3.8	13
37	Structure, function, and evolution of ferritins. *Journal of Inorganic Biochemistry*, **1992**, 47, 161-74	4.2	281
36	Functional roles of the ferritin receptors of human liver, hepatoma, lymphoid and erythroid cells. *Journal of Inorganic Biochemistry*, **1992**, 47, 219-27	4.2	61
35	Antibodies for denatured human H-ferritin stain only reticuloendothelial cells within the bone marrow. *British Journal of Haematology*, **1992**, 81, 118-24	4.5	10
34	Binding and suppressive activity of human recombinant ferritins on erythroid cells. *American Journal of Hematology*, **1992**, 39, 264-8	7.1	14
33	Solving the structure of human H ferritin by genetically engineering intermolecular crystal contacts. *Nature*, **1991**, 349, 541-4	50.4	674
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