

# Paolo Arosio

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/4954162/paolo-arosio-publications-by-citations.pdf>

**Version:** 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	The ferritins: molecular properties, iron storage function and cellular regulation. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>1996</b> , 1275, 161-203	4.6	1870
198	Solving the structure of human H ferritin by genetically engineering intermolecular crystal contacts. <i>Nature</i> , <b>1991</b> , 349, 541-4	50.4	674
197	Ferritins: a family of molecules for iron storage, antioxidation and more. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2009</b> , 1790, 589-99	4	548
196	Ferritin, iron homeostasis, and oxidative damage. <i>Free Radical Biology and Medicine</i> , <b>2002</b> , 33, 457-63	7.8	371
195	The role of iron and copper molecules in the neuronal vulnerability of locus coeruleus and substantia nigra during aging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 9843-8	11.5	342
194	Structure, function, and evolution of ferritins. <i>Journal of Inorganic Biochemistry</i> , <b>1992</b> , 47, 161-74	4.2	281
193	A human mitochondrial ferritin encoded by an intronless gene. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 24437-40	5.4	274
192	A quantitative analysis of isoferritins in select regions of aged, parkinsonian, and Alzheimer's diseased brains. <i>Journal of Neurochemistry</i> , <b>1995</b> , 65, 717-24	6	243
191	Identification of the ferroxidase centre in ferritin. <i>FEBS Letters</i> , <b>1989</b> , 254, 207-10	3.8	240
190	Cytosolic and mitochondrial ferritins in the regulation of cellular iron homeostasis and oxidative damage. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2010</b> , 1800, 783-92	4	205
189	New functions for an iron storage protein: the role of ferritin in immunity and autoimmunity. <i>Journal of Autoimmunity</i> , <b>2008</b> , 30, 84-9	15.5	194
188	Overexpression of wild type and mutated human ferritin H-chain in HeLa cells: in vivo role of ferritin ferroxidase activity. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 25122-9	5.4	192
187	Early embryonic lethality of H ferritin gene deletion in mice. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 3021-4	5.4	188
186	Iron Homeostasis in Health and Disease. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 17,	6.3	185
185	Reconstitution of manganese oxide cores in horse spleen and recombinant ferritins. <i>Journal of Inorganic Biochemistry</i> , <b>1995</b> , 58, 59-68	4.2	172
184	Ferritin functions as a proinflammatory cytokine via iron-independent protein kinase C zeta/nuclear factor kappaB-regulated signaling in rat hepatic stellate cells. <i>Hepatology</i> , <b>2009</b> , 49, 887-900	11.2	167
183	Mitochondrial ferritin expression in erythroid cells from patients with sideroblastic anemia. <i>Blood</i> , <b>2003</b> , 101, 1996-2000	2.2	163

182	The role of the L-chain in ferritin iron incorporation. Studies of homo and heteropolymers. <i>Journal of Molecular Biology</i> , <b>1994</b> , 238, 649-54	6.5	158
181	Ferritin, cellular iron storage and regulation. <i>IUBMB Life</i> , <b>2017</b> , 69, 414-422	4.7	143
180	Influence of site-directed modifications on the formation of iron cores in ferritin. <i>Journal of Molecular Biology</i> , <b>1991</b> , 221, 1443-52	6.5	143
179	Multiple pathways for mineral core formation in mammalian apoferritin. The role of hydrogen peroxide. <i>Biochemistry</i> , <b>2003</b> , 42, 3142-50	3.2	139
178	RNA silencing of the mitochondrial ABCB7 transporter in HeLa cells causes an iron-deficient phenotype with mitochondrial iron overload. <i>Blood</i> , <b>2007</b> , 109, 3552-9	2.2	138
177	Mitochondrial ferritin: a new player in iron metabolism. <i>Blood Cells, Molecules, and Diseases</i> , <b>2002</b> , 29, 376-83	2.1	129
176	Reaction paths of iron oxidation and hydrolysis in horse spleen and recombinant human ferritins. <i>Biochemistry</i> , <b>1998</b> , 37, 9743-50	3.2	129
175	Identification of the EPR-active iron-nitrosyl complexes in mammalian ferritins. <i>Biochemistry</i> , <b>1994</b> , 33, 3679-87	3.2	123
174	Dysregulation of iron homeostasis in the CNS contributes to disease progression in a mouse model of amyotrophic lateral sclerosis. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 610-9	6.6	122
173	Mitochondrial ferritin expression in adult mouse tissues. <i>Journal of Histochemistry and Cytochemistry</i> , <b>2007</b> , 55, 1129-37	3.4	122
172	Human mitochondrial ferritin expressed in HeLa cells incorporates iron and affects cellular iron metabolism. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 22430-7	5.4	120
171	Expression and structural and functional properties of human ferritin L-chain from <i>Escherichia coli</i> . <i>Biochemistry</i> , <b>1989</b> , 28, 5179-84	3.2	120
170	Proximal tubule H-ferritin mediates iron trafficking in acute kidney injury. <i>Journal of Clinical Investigation</i> , <b>2013</b> , 123, 4423-34	15.9	115
169	Evidence that the specificity of iron incorporation into homopolymers of human ferritin L- and H-chains is conferred by the nucleation and ferroxidase centres. <i>Biochemical Journal</i> , <b>1996</b> , 314 ( Pt 1), 139-44	3.8	112
168	Multiple mechanisms of iron-induced ferritin synthesis in HeLa cells. <i>Biochemical and Biophysical Research Communications</i> , <b>1985</b> , 133, 314-21	3.4	111
167	Hereditary Hyperferritinemia-Cataract Syndrome: Relationship Between Phenotypes and Specific Mutations in the Iron-Responsive Element of Ferritin Light-Chain mRNA. <i>Blood</i> , <b>1997</b> , 90, 814-821	2.2	110
166	Heparin: a potent inhibitor of hepcidin expression in vitro and in vivo. <i>Blood</i> , <b>2011</b> , 117, 997-1004	2.2	109
165	Crystal structure and biochemical properties of the human mitochondrial ferritin and its mutant Ser144Ala. <i>Journal of Molecular Biology</i> , <b>2004</b> , 340, 277-93	6.5	107

164	Ferroxidase kinetics of human liver apoferritin, recombinant H-chain apoferritin, and site-directed mutants. <i>Biochemistry</i> , <b>1993</b> , 32, 9362-9	3.2	107
163	Biofortification for combating hidden hunger for iron. <i>Trends in Plant Science</i> , <b>2012</b> , 17, 47-55	13.1	105
162	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. <i>Blood</i> , <b>2004</b> , 103, 2377-83	2.2	105
161	Biology of ferritin in mammals: an update on iron storage, oxidative damage and neurodegeneration. <i>Archives of Toxicology</i> , <b>2014</b> , 88, 1787-802	5.8	101
160	Mitochondrial ferritin. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2004</b> , 36, 1887-9	5.6	101
159	Ferritin as an important player in neurodegeneration. <i>Parkinsonism and Related Disorders</i> , <b>2011</b> , 17, 423-30	3.6	99
158	Ferritin ferroxidase activity: a potent inhibitor of osteogenesis. <i>Journal of Bone and Mineral Research</i> , <b>2010</b> , 25, 164-72	6.3	93
157	Facilitated diffusion of iron(II) and dioxygen substrates into human H-chain ferritin. A fluorescence and absorbance study employing the ferroxidase center substitution Y34W. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 17801-11	16.4	92
156	The expression of human mitochondrial ferritin rescues respiratory function in frataxin-deficient yeast. <i>Human Molecular Genetics</i> , <b>2004</b> , 13, 2279-88	5.6	91
155	Heavy chain ferritin activates regulatory T cells by induction of changes in dendritic cells. <i>Blood</i> , <b>2002</b> , 99, 3326-34	2.2	91
154	Hepcidin antagonists for potential treatments of disorders with hepcidin excess. <i>Frontiers in Pharmacology</i> , <b>2014</b> , 5, 86	5.6	85
153	Evidence that residues exposed on the three-fold channels have active roles in the mechanism of ferritin iron incorporation. <i>Biochemical Journal</i> , <b>1996</b> , 317 ( Pt 2), 467-73	3.8	83
152	Functional and immunological analysis of recombinant mouse H- and L-ferritins from <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , <b>2000</b> , 19, 212-8	2	79
151	Immunochemical characterization of human liver and heart ferritins with monoclonal antibodies. <i>BBA - Proteins and Proteomics</i> , <b>1986</b> , 872, 61-71		79
150	Origin of the unusual kinetics of iron deposition in human H-chain ferritin. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 3885-93	16.4	77
149	Analysis of Ferritins in Lymphoblastoid Cell Lines and in the Lens of Subjects With Hereditary Hyperferritinemia-Cataract Syndrome. <i>Blood</i> , <b>1998</b> , 91, 4180-4187	2.2	76
148	$\mu$ -1,2-Peroxo-bridged di-iron(III) dimer formation in human H-chain ferritin. <i>Biochemical Journal</i> , <b>2002</b> , 364, 57-63	3.8	75
147	Iron(II) and hydrogen peroxide detoxification by human H-chain ferritin. An EPR spin-trapping study. <i>Biochemistry</i> , <b>2006</b> , 45, 3429-36	3.2	74

146	Unique iron binding and oxidation properties of human mitochondrial ferritin: a comparative analysis with Human H-chain ferritin. <i>Journal of Molecular Biology</i> , <b>2005</b> , 347, 543-54	6.5	71
145	Ferrous ion binding to recombinant human H-chain ferritin. An isothermal titration calorimetry study. <i>Biochemistry</i> , <b>2002</b> , 41, 11184-91	3.2	70
144	Iron detoxifying activity of ferritin. Effects of H and L human apoferritins on lipid peroxidation in vitro. <i>FEBS Letters</i> , <b>1990</b> , 277, 119-22	3.8	69
143	Genetic hyperferritinaemia and reticuloendothelial iron overload associated with a three base pair deletion in the coding region of the ferroportin gene (SLC11A3). <i>British Journal of Haematology</i> , <b>2002</b> , 119, 539-46	4.5	68
142	Immunohistochemical evidence for a lack of ferritin in duodenal absorptive epithelial cells in idiopathic hemochromatosis. <i>Gastroenterology</i> , <b>1989</b> , 96, 1071-8	13.3	67
141	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. <i>Clinical Chemistry</i> , <b>2003</b> , 49, 1981-8	5.5	66
140	Structural heterogeneity and subunit composition of horse ferritins. <i>Biochemistry</i> , <b>1982</b> , 21, 2293-9	3.2	66
139	Overexpression of the hereditary hemochromatosis protein, HFE, in HeLa cells induces and iron-deficient phenotype. <i>FEBS Letters</i> , <b>1999</b> , 460, 149-52	3.8	65
138	Oxidative stress and cell death in cells expressing L-ferritin variants causing neuroferritinopathy. <i>Neurobiology of Disease</i> , <b>2010</b> , 37, 77-85	7.5	64
137	Is hydrogen peroxide produced during iron(II) oxidation in mammalian apoferritins?. <i>Biochemistry</i> , <b>2001</b> , 40, 10832-8	3.2	64
136	Ferritin prevents calcification and osteoblastic differentiation of vascular smooth muscle cells. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2009</b> , 20, 1254-63	12.7	63
135	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. <i>Haematologica</i> , <b>2010</b> , 95, 1832-40	6.6	63
134	Neuroferritinopathy: a neurodegenerative disorder associated with L-ferritin mutation. <i>Best Practice and Research in Clinical Haematology</i> , <b>2005</b> , 18, 265-76	4.2	61
133	Molecular diffusion into ferritin: pathways, temperature dependence, incubation time, and concentration effects. <i>Biophysical Journal</i> , <b>2000</b> , 78, 2049-59	2.9	61
132	Functional roles of the ferritin receptors of human liver, hepatoma, lymphoid and erythroid cells. <i>Journal of Inorganic Biochemistry</i> , <b>1992</b> , 47, 219-27	4.2	61
131	The importance of eukaryotic ferritins in iron handling and cytoprotection. <i>Biochemical Journal</i> , <b>2015</b> , 472, 1-15	3.8	58
130	Mitochondrial ferritin in the substantia nigra in restless legs syndrome. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2009</b> , 68, 1193-9	3.1	55
129	Structural description of the active sites of mouse L-chain ferritin at 1.2 Å resolution. <i>Journal of Biological Inorganic Chemistry</i> , <b>2003</b> , 8, 105-11	3.7	55

128	Characterization of human ferritin H chain synthesized in Escherichia coli. <i>Gene</i> , <b>1987</b> , 51, 269-74	3.8	55
127	Human serum ferritin G-peptide is recognized by anti-L ferritin subunit antibodies and concanavalin-A. <i>British Journal of Haematology</i> , <b>1987</b> , 65, 235-7	4.5	55
126	Role of iron and ferritin in TNFalpha-induced apoptosis in HeLa cells. <i>FEBS Letters</i> , <b>2003</b> , 537, 187-92	3.8	54
125	Glycol-split nonanticoagulant heparins are inhibitors of hepcidin expression in vitro and in vivo. <i>Blood</i> , <b>2014</b> , 123, 1564-73	2.2	53
124	Macrophage and epithelial cell H-ferritin expression regulates renal inflammation. <i>Kidney International</i> , <b>2015</b> , 88, 95-108	9.9	51
123	The effects of frataxin silencing in HeLa cells are rescued by the expression of human mitochondrial ferritin. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2008</b> , 1782, 90-8	6.9	51
122	Identification of new mutations of hepcidin and hemojuvelin in patients with HFE C282Y allele. <i>Blood Cells, Molecules, and Diseases</i> , <b>2004</b> , 33, 338-43	2.1	48
121	Relationship between TNF-alpha and iron metabolism in differentiating human monocytic THP-1 cells. <i>British Journal of Haematology</i> , <b>2000</b> , 110, 978-84	4.5	47
120	Expression of iron homeostasis proteins in the spinal cord in experimental autoimmune encephalomyelitis and their implications for iron accumulation. <i>Neurobiology of Disease</i> , <b>2015</b> , 81, 93-107	7.5	46
119	Mutant ferritin L-chains that cause neurodegeneration act in a dominant-negative manner to reduce ferritin iron incorporation. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 11948-57	5.4	43
118	Effects of modifications near the 2-, 3- and 4-fold symmetry axes on human ferritin renaturation. <i>Biochemical Journal</i> , <b>1997</b> , 322 ( Pt 2), 461-8	3.8	43
117	ELISA reveals a difference in the structure of substantia nigra ferritin in Parkinson's disease and incidental Lewy body compared to control. <i>Parkinsonism and Related Disorders</i> , <b>2007</b> , 13, 214-8	3.6	41
116	Transient overexpression of human H- and L-ferritin chains in COS cells. <i>Biochemical Journal</i> , <b>1998</b> , 330 ( Pt 1), 315-20	3.8	41
115	Defining metal ion inhibitor interactions with recombinant human H- and L-chain ferritins and site-directed variants: an isothermal titration calorimetry study. <i>Journal of Biological Inorganic Chemistry</i> , <b>2003</b> , 8, 489-97	3.7	39
114	Tyrosyl radical formation during the oxidative deposition of iron in human apoferritin. <i>Biochemistry</i> , <b>1995</b> , 34, 7847-53	3.2	39
113	Pantothenate kinase-2 (Pank2) silencing causes cell growth reduction, cell-specific ferroportin upregulation and iron deregulation. <i>Neurobiology of Disease</i> , <b>2010</b> , 39, 204-10	7.5	38
112	Iron release from ferritin by flavin nucleotides. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2013</b> , 1830, 4669-74	4	37
111	The putative "nucleation site" in human H-chain ferritin is not required for mineralization of the iron core. <i>Biochemistry</i> , <b>2004</b> , 43, 4332-7	3.2	37

110	Oversulfated heparins with low anticoagulant activity are strong and fast inhibitors of hepcidin expression in vitro and in vivo. <i>Biochemical Pharmacology</i> , <b>2014</b> , 92, 467-75	6	36
109	Characterization of the L-ferritin variant 460InsA responsible of a hereditary ferritinopathy disorder. <i>Neurobiology of Disease</i> , <b>2006</b> , 23, 644-52	7.5	36
108	Iron Oxidation and Core Formation in Recombinant Heteropolymeric Human Ferritins. <i>Biochemistry</i> , <b>2017</b> , 56, 3900-3912	3.2	35
107	Microelectronic DNA chip for hereditary hyperferritinemia cataract syndrome, a model for large-scale analysis of disorders of iron metabolism. <i>Human Mutation</i> , <b>2006</b> , 27, 201-8	4.7	34
106	Ferritin Light Chain Confers Protection Against Sepsis-Induced Inflammation and Organ Injury. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 131	8.4	33
105	Mice lacking mitochondrial ferritin are more sensitive to doxorubicin-mediated cardiotoxicity. <i>Journal of Molecular Medicine</i> , <b>2014</b> , 92, 859-69	5.5	33
104	New TFR2 mutations in young Italian patients with hemochromatosis. <i>Haematologica</i> , <b>2008</b> , 93, 309-10	6.6	32
103	Scanning mutations of the 5'UTR regulatory sequence of L-ferritin by denaturing high-performance liquid chromatography: identification of new mutations. <i>British Journal of Haematology</i> , <b>2003</b> , 121, 173-9	4.5	30
102	Vanadyl(IV) binding to mammalian ferritins. An EPR study aided by site-directed mutagenesis. <i>Journal of Inorganic Biochemistry</i> , <b>2000</b> , 80, 107-13	4.2	30
101	Expression and characterization of the ferritin binding domain of Nuclear Receptor Coactivator-4 (NCOA4). <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2017</b> , 1861, 2710-2716	4	29
100	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. <i>Clinical Chemistry</i> , <b>2001</b> , 47, 491-497	5.5	29
99	Development of an immunoassay for all human isoferritins, and its application to serum ferritin evaluation. <i>Clinica Chimica Acta</i> , <b>1989</b> , 184, 197-206	6.2	29
98	Iron acquisition in <i>Bacillus cereus</i> : the roles of IIsA and bacillibactin in exogenous ferritin iron mobilization. <i>PLoS Pathogens</i> , <b>2014</b> , 10, e1003935	7.6	27
97	International collaborative study to evaluate a recombinant L ferritin preparation as an International Standard. <i>Clinical Chemistry</i> , <b>1997</b> , 43, 1582-1587	5.5	27
96	Structural and functional studies of human ferritin H and L chains. <i>Current Studies in Hematology and Blood Transfusion</i> , <b>1991</b> , 58, 127-31		27
95	A comparative Mössbauer study of the mineral cores of human H-chain ferritin employing dioxygen and hydrogen peroxide as iron oxidants. <i>Biophysical Chemistry</i> , <b>2007</b> , 130, 114-21	3.5	26
94	Ferritin--a mediator of apoptosis?. <i>Journal of Cellular Physiology</i> , <b>2007</b> , 212, 157-64	7	25
93	Recombinant human hepcidin expressed in <i>Escherichia coli</i> isolates as an iron containing protein. <i>Blood Cells, Molecules, and Diseases</i> , <b>2005</b> , 35, 177-81	2.1	25

92	Antiferritin single-chain Fv fragment is a functional protein with properties of a partially structured state: comparison with the completely folded V(L) domain. <i>Biochemistry</i> , <b>2000</b> , 39, 8047-57	3.2	25
91	Redox reactivity of animal apoferritins and apoheteropolymers assembled from recombinant heavy and light human chain ferritins. <i>Biochemistry</i> , <b>1999</b> , 38, 4089-96	3.2	24
90	Mechanisms of regulation of ferritin synthesis in rat liver during experimental inflammation. <i>Experimental and Molecular Pathology</i> , <b>1988</b> , 48, 174-81	4.4	24
89	HFE gene mutations in a population of Italian Parkinson's disease patients. <i>Parkinsonism and Related Disorders</i> , <b>2008</b> , 14, 426-30	3.6	23
88	Analysis of ferritin genes in Parkinson disease. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2007</b> , 45, 1450-6	3.6	22
87	Ferroportin gene silencing induces iron retention and enhances ferritin synthesis in human macrophages. <i>British Journal of Haematology</i> , <b>2004</b> , 127, 598-603	4.5	22
86	A novel deletion of the L-ferritin iron-responsive element responsible for severe hereditary hyperferritinaemia-cataract syndrome. <i>British Journal of Haematology</i> , <b>2002</b> , 116, 667-70	4.5	22
85	Immunocytochemical detection of ferritin in human bone marrow and peripheral blood cells using monoclonal antibodies specific for the H and L subunit. <i>British Journal of Haematology</i> , <b>1990</b> , 76, 427-32	4.5	22
84	Characteristics of a ferritin-binding protein present in human serum. <i>British Journal of Haematology</i> , <b>1987</b> , 65, 489-93	4.5	22
83	Identification of two novel mutations in the 5' untranslated region of H-ferritin using denaturing high performance liquid chromatography scanning. <i>Haematologica</i> , <b>2003</b> , 88, 1110-6	6.6	22
82	Pharmacological induction of ferritin prevents osteoblastic transformation of smooth muscle cells. <i>Journal of Cellular and Molecular Medicine</i> , <b>2016</b> , 20, 217-30	5.6	21
81	The sedimentation properties of ferritins. New insights and analysis of methods of nanoparticle preparation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2010</b> , 1800, 858-70	4	21
80	Biochemical and immunological characterization of recombinant allergen Lol p 1. <i>FEBS Journal</i> , <b>1997</b> , 249, 886-94		21
79	Kinetic studies of iron deposition catalyzed by recombinant human liver heavy and light ferritins and <i>Azotobacter vinelandii</i> bacterioferritin using O <sub>2</sub> and H <sub>2</sub> O <sub>2</sub> as oxidants. <i>Biophysical Chemistry</i> , <b>2005</b> , 114, 235-44	3.5	21
78	Blotting analysis of native IRP1: a novel approach to distinguish the different forms of IRP1 in cells and tissues. <i>Biochemistry</i> , <b>2004</b> , 43, 195-204	3.2	20
77	Regulation of ferritin synthesis in malignant and non-malignant lymphoid cells. <i>Biochemical and Biophysical Research Communications</i> , <b>1986</b> , 139, 652-7	3.4	20
76	Recombinant allergen Lol p II: expression, purification and characterization. <i>Molecular Immunology</i> , <b>1995</b> , 32, 505-13	4.3	19
75	Human recombinant antibody fragments specific for a rye-grass pollen allergen: characterization and potential applications. <i>Molecular Immunology</i> , <b>1996</b> , 33, 1049-58	4.3	19



74	The importance of iron in pathophysiologic conditions. <i>Frontiers in Pharmacology</i> , <b>2015</b> , 6, 26	5.6	18
73	Non-Anticoagulant Heparins Are Hepcidin Antagonists for the Treatment of Anemia. <i>Molecules</i> , <b>2017</b> , 22,	4.8	18
72	Characterization of the H- and L-subunit ratios of ferritins by sodium dodecyl sulfate-capillary gel electrophoresis. <i>Analytical Biochemistry</i> , <b>2002</b> , 302, 263-8	3.1	18
71	Characteristics of ferritins in human milk secretions: similarities to serum and tissue iso-ferritins. <i>Clinica Chimica Acta</i> , <b>1986</b> , 161, 201-8	6.2	18
70	NCOA4-mediated ferritinophagy promotes ferroptosis induced by erastin, but not by RSL3 in HeLa cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2021</b> , 1868, 118913	4.9	18
69	The Ferritin-Heavy-Polypeptide-Like-17 (FTHL17) gene encodes a ferritin with low stability and no ferroxidase activity and with a partial nuclear localization. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2015</b> , 1850, 1267-73	4	17
68	Ferritins in malignant and non-malignant lymphoid cells. <i>British Journal of Haematology</i> , <b>1986</b> , 62, 105-10	4.5	17
67	Use of a monoclonal antibody against human heart ferritin for evaluating acidic ferritin concentration in human serum. <i>British Journal of Haematology</i> , <b>1985</b> , 61, 445-53	4.5	17
66	Immunological Reactivity of Serum Ferritin in Patients with Malignancy. <i>Tumori</i> , <b>1985</b> , 71, 547-554	1.7	17
65	Study of ferritin self-assembly and heteropolymer formation by the use of Fluorescence Resonance Energy Transfer (FRET) technology. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2017</b> , 1861, 522-532 <sup>4</sup>		16
64	Mutations of ferritin H chain C-terminus produced by nucleotide insertions have altered stability and functional properties. <i>Journal of Biochemistry</i> , <b>2006</b> , 139, 881-5	3.1	15
63	Structure of mouse L-chain ferritin at 1.6 Å resolution. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2001</b> , 57, 1491-7		15
62	Ferritin in the red cells of normal subjects and patients with iron deficiency and iron overload. <i>British Journal of Haematology</i> , <b>1983</b> , 53, 659-65	4.5	15
61	Behavioral characterization of mouse models of neuroferritinopathy. <i>PLoS ONE</i> , <b>2015</b> , 10, e0118990	3.7	15
60	Heparanase Overexpression Reduces Hepcidin Expression, Affects Iron Homeostasis and Alters the Response to Inflammation. <i>PLoS ONE</i> , <b>2016</b> , 11, e0164183	3.7	15
59	Sucrosomal Iron Supplementation in Mice: Effects on Blood Parameters, Hepcidin, and Inflammation. <i>Nutrients</i> , <b>2018</b> , 10,	6.7	15
58	Antiferritin single-chain antibody: a functional protein with incomplete folding?. <i>FEBS Letters</i> , <b>1998</b> , 441, 458-62	3.8	14
57	Binding and suppressive activity of human recombinant ferritins on erythroid cells. <i>American Journal of Hematology</i> , <b>1992</b> , 39, 264-8	7.1	14

56	Basic and acidic isoferritins in the serum of patients with Hodgkin's disease. <i>European Journal of Cancer &amp; Clinical Oncology</i> , <b>1983</b> , 19, 339-45		14
55	Serum ferritin evaluation with radioimmunoassays specific for HeLa and liver ferritin types. <i>Immunology Letters</i> , <b>1981</b> , 3, 309-13	4.1	14
54	High Sulfation and a High Molecular Weight Are Important for Anti-hepcidin Activity of Heparin. <i>Frontiers in Pharmacology</i> , <b>2015</b> , 6, 316	5.6	14
53	Potential Role of H-Ferritin in Mitigating Valvular Mineralization. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2019</b> , 39, 413-431	9.4	13
52	Denaturing HPLC analysis of DNA deletions and insertions. <i>Human Mutation</i> , <b>2003</b> , 22, 98-102	4.7	13
51	Human ferritin H-chains can be obtained in non-assembled stable forms which have ferroxidase activity. <i>FEBS Letters</i> , <b>1993</b> , 336, 309-12	3.8	13
50	Properties of ferritin from the earthworm <i>Octolasion complanatum</i> . <i>BBA - Proteins and Proteomics</i> , <b>1984</b> , 787, 264-269		13
49	Design and site-directed compartmentalization of gold nanoclusters within the intrasubunit interfaces of ferritin nanocage. <i>Journal of Nanobiotechnology</i> , <b>2019</b> , 17, 79	9.4	12
48	Regional and cellular distribution of mitochondrial ferritin in the mouse brain. <i>Journal of Neuroscience Research</i> , <b>2010</b> , 88, 3133-43	4.4	12
47	Selective crystallization of horse isoferritins. <i>BBA - Proteins and Proteomics</i> , <b>1983</b> , 744, 230-2		12
46	Effect of chaotropes on the kinetics of iron release from ferritin by flavin nucleotides. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2017</b> , 1861, 3257-3262	4	11
45	β-synuclein in blood cells differentiates Parkinson's disease from healthy controls. <i>Annals of Clinical and Translational Neurology</i> , <b>2019</b> , 6, 2426-2436	5.3	11
44	Ferritin exhibits Michaelis-Menten behavior with oxygen but not with iron during iron oxidation and core mineralization. <i>Metallomics</i> , <b>2019</b> , 11, 774-783	4.5	10
43	Antibodies for denatured human H-ferritin stain only reticuloendothelial cells within the bone marrow. <i>British Journal of Haematology</i> , <b>1992</b> , 81, 118-24	4.5	10
42	Pentosan polysulfate to control hepcidin expression in vitro and in vivo. <i>Biochemical Pharmacology</i> , <b>2020</b> , 175, 113867	6	9
41	Mutant L-chain ferritins that cause neuroferritinopathy alter ferritin functionality and iron permeability. <i>Metallomics</i> , <b>2019</b> , 11, 1635-1647	4.5	9
40	Hepatic heparan sulfate is a master regulator of hepcidin expression and iron homeostasis in human hepatocytes and mice. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 13292-13303	5.4	9
39	Mitochondrial ferritin deficiency reduces male fertility in mice. <i>Reproduction, Fertility and Development</i> , <b>2017</b> , 29, 2005-2010	1.8	8

38	Thermodynamic and Kinetic Studies of the Interaction of Nuclear Receptor Coactivator-4 (NCOA4) with Human Ferritin. <i>Biochemistry</i> , <b>2020</b> , 59, 2707-2717	3.2	8
37	Novel functional changes during podocyte differentiation: increase of oxidative resistance and H-ferritin expression. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2014</b> , 2014, 976394	6.7	8
36	Sequence variations in mitochondrial ferritin: distribution in healthy controls and different types of patients. <i>Genetic Testing and Molecular Biomarkers</i> , <b>2010</b> , 14, 793-6	1.6	8
35	H-ferritin suppression and pronounced mitochondrial respiration make Hepatocellular Carcinoma cells sensitive to RSL3-induced ferroptosis. <i>Free Radical Biology and Medicine</i> , <b>2021</b> , 169, 294-303	7.8	8
34	The role of heparin, heparanase and heparan sulfates in hepcidin regulation. <i>Vitamins and Hormones</i> , <b>2019</b> , 110, 157-188	2.5	8
33	Antiferritin VL homodimer binds human spleen ferritin with high specificity. <i>Journal of Structural Biology</i> , <b>2002</b> , 138, 171-86	3.4	7
32	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. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>1999</b> , 37, 121-5	5.9	7
31	Electrophoretic analysis of horse tissue ferritins at different pH values. <i>Biochimica Et Biophysica Acta (BBA) - Protein Structure</i> , <b>1980</b> , 625, 310-7		7
30	Production and characterization of functional recombinant hybrid heteropolymers of camel hepcidin and human ferritin H and L chains. <i>Protein Engineering, Design and Selection</i> , <b>2017</b> , 30, 77-84	1.9	6
29	Insights on the (Auto)Photocatalysis of Ferritin. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 6047-50	5.1	6
28	No evidence of relation between peripheral neuropathy and presence of hemochromatosis gene mutations in HIV-1-positive patients. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , <b>2007</b> , 46, 255-6	3.1	6
27	Crystallographic data for horse heart ferritin. <i>FEBS Letters</i> , <b>1984</b> , 165, 63-66	3.8	5
26	Hereditary Hyperferritinemia-Cataract Syndrome: Relationship Between Phenotypes and Specific Mutations in the Iron-Responsive Element of Ferritin Light-Chain mRNA. <i>Blood</i> , <b>1997</b> , 90, 814-821	2.2	5
25	Energetics of surface confined ferritin during iron loading. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2016</b> , 145, 520-525	6	5
24	Chemically and biologically harmless versus harmful ferritin/copper-metallothionein couples. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 808-13	4.8	4
23	Analysis of nucleotide variations in genes of iron management in patients of Parkinson's disease and other movement disorders. <i>Parkinson's Disease</i> , <b>2010</b> , 2011, 827693	2.6	4
22	Gel filtration analysis of equine ferritin subunits. <i>FEBS Letters</i> , <b>1979</b> , 104, 51-4	3.8	4
21	Iron oxidation in sheep, horse and recombinant human apoferritins. <i>Advances in Experimental Medicine and Biology</i> , <b>1994</b> , 356, 23-30	3.6	4

20	Photoacoustic molecular imaging for in vivo liver iron quantitation. <i>Journal of Biomedical Optics</i> , <b>2016</b> , 21, 56008	3.5	3
19	Actions of H-subunit ferritin and lactoferrin as suppressor molecules of myelopoiesis in vitro and in vivo. <i>Current Studies in Hematology and Blood Transfusion</i> , <b>1991</b> , 58, 178-81		3
18	BMP6 binding to heparin and heparan sulfate is mediated by N-terminal and C-terminal clustered basic residues. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2021</b> , 1865, 129799	4	3
17	Recombinant overexpression of camel hepcidin cDNA in <i>Pichia pastoris</i> : purification and characterization of the polyHis-tagged peptide HepcD-His. <i>Journal of Molecular Recognition</i> , <b>2017</b> , 30, e2561	2.6	2
16	Human serum ferritin G-peptide is recognized by anti-L ferritin subunit antibodies and concanavalin-A. <i>British Journal of Haematology</i> , <b>2008</b> , 65, 235-237	4.5	2
15	Chemico-physical and functional differences between H and L chains of human ferritin. <i>Advances in Experimental Medicine and Biology</i> , <b>1994</b> , 356, 13-21	3.6	2
14	Iron Mobilization from Ferritin in Yeast Cell Lysate and Physiological Implications. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23, 6100	6.3	2
13	The Antitumor Didox Acts as an Iron Chelator in Hepatocellular Carcinoma Cells. <i>Pharmaceuticals</i> , <b>2019</b> , 12,	5.2	1
12	Ferritin in glioblastoma. <i>British Journal of Cancer</i> , <b>2020</b> , 122, 1441-1444	8.7	1
11	Mamary Control of Iron Secretion in Milka. <i>Annals of the New York Academy of Sciences</i> , <b>1986</b> , 464, 470-475		1
10	Analysis of Ferritins in Lymphoblastoid Cell Lines and in the Lens of Subjects With Hereditary Hyperferritinemia-Cataract Syndrome. <i>Blood</i> , <b>1998</b> , 91, 4180-4187	2.2	1
9	A Novel Approach for the Synthesis of Human Heteropolymer Ferritins of Different H to L Subunit Ratios. <i>Journal of Molecular Biology</i> , <b>2021</b> , 433, 167198	6.5	1
8	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. <i>Molecular Biology Reports</i> , <b>2020</b> , 47, 1265-1273	2.8	0
7	Ultrastructure of Two Mutants in the H-Subunit of Recombinant Human Ferritin: Ordered Arrays Indicate Altered Surface Properties. <i>Proceedings Annual Meeting Electron Microscopy Society of America</i> , <b>1990</b> , 48, 288-289		
6	Mechanisms of Ferritin Iron Incorporation: A Study with Recombinant and Mutant Human Ferritins <b>1991</b> , 339-348		
5	LOL pII Allergen. <i>Advances in Experimental Medicine and Biology</i> , <b>1996</b> , 255-260	3.6	
4	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. <i>Blood</i> , <b>2011</b> , 118, 903-903	2.2	
3	Hepcidin Inhibition by Modified Heparins without Anticoagulant Activity. <i>Blood</i> , <b>2012</b> , 120, 483-483	2.2	

- 2 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
- 1 Biochemical, Biophysical and Functional Characterization of an Insoluble Iron Containing HepcidinBerritin 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