

Paolo Arosio

List of Publications by Year in descending order

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201
papers

16,442
citations

13827

67
h-index

16605

123
g-index

202
all docs

202
docs citations

202
times ranked

12067
citing authors

#	ARTICLE	IF	CITATIONS
1	The ferritins: molecular properties, iron storage function and cellular regulation. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1996, 1275, 161-203.	0.5	2,273
2	Solving the structure of human H ferritin by genetically engineering intermolecular crystal contacts. <i>Nature</i> , 1991, 349, 541-544.	13.7	758
3	Ferritins: A family of molecules for iron storage, antioxidation and more. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2009, 1790, 589-599.	1.1	718
4	Ferritin, iron homeostasis, and oxidative damage ^{1,2} ¹ Guest Editor: Mario Comporti ² This article is part of a series of reviews on "Iron and Cellular Redox Status." The full list of papers may be found on the homepage of the journal.. <i>Free Radical Biology and Medicine</i> , 2002, 33, 457-463.	1.3	452
5	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> , 2004, 101, 9843-9848.	3.3	428
6	A Human Mitochondrial Ferritin Encoded by an Intronless Gene. <i>Journal of Biological Chemistry</i> , 2001, 276, 24437-24440.	1.6	344
7	Structure, function, and evolution of ferritins. <i>Journal of Inorganic Biochemistry</i> , 1992, 47, 161-174.	1.5	306
8	A Quantitative Analysis of Isoferritins in Select Regions of Aged, Parkinsonian, and Alzheimer's Diseased Brains. <i>Journal of Neurochemistry</i> , 1995, 65, 717-724.	2.1	290
9	Identification of the ferroxidase centre in ferritin. <i>FEBS Letters</i> , 1989, 254, 207-210.	1.3	278
10	Iron Homeostasis in Health and Disease. <i>International Journal of Molecular Sciences</i> , 2016, 17, 130.	1.8	274
11	Ferritin, cellular iron storage and regulation. <i>IUBMB Life</i> , 2017, 69, 414-422.	1.5	250
12	Cytosolic and mitochondrial ferritins in the regulation of cellular iron homeostasis and oxidative damage. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2010, 1800, 783-792.	1.1	248
13	Early Embryonic Lethality of H Ferritin Gene Deletion in Mice. <i>Journal of Biological Chemistry</i> , 2000, 275, 3021-3024.	1.6	232
14	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> , 2009, 49, 887-900.	3.6	225
15	Overexpression of Wild Type and Mutated Human Ferritin H-chain in HeLa Cells. <i>Journal of Biological Chemistry</i> , 2000, 275, 25122-25129.	1.6	222
16	New functions for an iron storage protein: The role of ferritin in immunity and autoimmunity. <i>Journal of Autoimmunity</i> , 2008, 30, 84-89.	3.0	222
17	Reconstitution of manganese oxide cores in horse spleen and recombinant ferritins. <i>Journal of Inorganic Biochemistry</i> , 1995, 58, 59-68.	1.5	187
18	Mitochondrial ferritin expression in erythroid cells from patients with sideroblastic anemia. <i>Blood</i> , 2003, 101, 1996-2000.	0.6	181

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19	The Role of the L-Chain in Ferritin Iron Incorporation. <i>Journal of Molecular Biology</i> , 1994, 238, 649-654.	2.0	170
20	Mitochondrial Ferritin: A New Player in Iron Metabolism. <i>Blood Cells, Molecules, and Diseases</i> , 2002, 29, 376-383.	0.6	165
21	Influence of site-directed modifications on the formation of iron cores in ferritin. <i>Journal of Molecular Biology</i> , 1991, 221, 1443-1452.	2.0	162
22	Proximal tubule H-ferritin mediates iron trafficking in acute kidney injury. <i>Journal of Clinical Investigation</i> , 2013, 123, 4423-4434.	3.9	161
23	RNA silencing of the mitochondrial ABCB7 transporter in HeLa cells causes an iron-deficient phenotype with mitochondrial iron overload. <i>Blood</i> , 2007, 109, 3552-3559.	0.6	156
24	Multiple Pathways for Mineral Core Formation in Mammalian Apoferritin. The Role of Hydrogen Peroxide. <i>Biochemistry</i> , 2003, 42, 3142-3150.	1.2	151
25	Mitochondrial Ferritin Expression in Adult Mouse Tissues. <i>Journal of Histochemistry and Cytochemistry</i> , 2007, 55, 1129-1137.	1.3	147
26	Dysregulation of Iron Homeostasis in the CNS Contributes to Disease Progression in a Mouse Model of Amyotrophic Lateral Sclerosis. <i>Journal of Neuroscience</i> , 2009, 29, 610-619.	1.7	147
27	Reaction Paths of Iron Oxidation and Hydrolysis in Horse Spleen and Recombinant Human Ferritins. <i>Biochemistry</i> , 1998, 37, 9743-9750.	1.2	142
28	Human Mitochondrial Ferritin Expressed in HeLa Cells Incorporates Iron and Affects Cellular Iron Metabolism. <i>Journal of Biological Chemistry</i> , 2002, 277, 22430-22437.	1.6	139
29	Biology of ferritin in mammals: an update on iron storage, oxidative damage and neurodegeneration. <i>Archives of Toxicology</i> , 2014, 88, 1787-1802.	1.9	135
30	Expression and structural and functional properties of human ferritin L-chain from <i>Escherichia coli</i> . <i>Biochemistry</i> , 1989, 28, 5179-5184.	1.2	132
31	Hereditary Hyperferritinemia-Cataract Syndrome: Relationship Between Phenotypes and Specific Mutations in the Iron-Responsive Element of Ferritin Light-Chain mRNA. <i>Blood</i> , 1997, 90, 814-821.	0.6	131
32	Biofortification for combating "hidden hunger" for iron. <i>Trends in Plant Science</i> , 2012, 17, 47-55.	4.3	131
33	Identification of the EPR-Active Iron-Nitrosyl Complexes in Mammalian Ferritins. <i>Biochemistry</i> , 1994, 33, 3679-3687.	1.2	127
34	Heparin: a potent inhibitor of hepcidin expression in vitro and in vivo. <i>Blood</i> , 2011, 117, 997-1004.	0.6	127
35	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> , 1996, 314, 139-144.	1.7	125
36	Mitochondrial ferritin. <i>International Journal of Biochemistry and Cell Biology</i> , 2004, 36, 1887-1889.	1.2	119

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37	Multiple mechanisms of iron-induced ferritin synthesis in HeLa cells. <i>Biochemical and Biophysical Research Communications</i> , 1985, 133, 314-321.	1.0	117
38	Ferroxidase kinetics of human liver apoferritin, recombinant H-chain apoferritin, and site-directed mutants. <i>Biochemistry</i> , 1993, 32, 9362-9369.	1.2	114
39	Ferritin ferroxidase activity: A potent inhibitor of osteogenesis. <i>Journal of Bone and Mineral Research</i> , 2010, 25, 164-172.	3.1	114
40	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> , 2004, 103, 2377-2383.	0.6	112
41	Ferritin as an important player in neurodegeneration. <i>Parkinsonism and Related Disorders</i> , 2011, 17, 423-430.	1.1	112
42	Crystal Structure and Biochemical Properties of the Human Mitochondrial Ferritin and its Mutant Ser144Ala. <i>Journal of Molecular Biology</i> , 2004, 340, 277-293.	2.0	111
43	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> , 2008, 130, 17801-17811.	6.6	107
44	Heavy chain ferritin activates regulatory T cells by induction of changes in dendritic cells. <i>Blood</i> , 2002, 99, 3326-3334.	0.6	106
45	The expression of human mitochondrial ferritin rescues respiratory function in frataxin-deficient yeast. <i>Human Molecular Genetics</i> , 2004, 13, 2279-2288.	1.4	100
46	Hepcidin antagonists for potential treatments of disorders with hepcidin excess. <i>Frontiers in Pharmacology</i> , 2014, 5, 86.	1.6	100
47	Functional and Immunological Analysis of Recombinant Mouse H- and L-Ferritins from <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 2000, 19, 212-218.	0.6	99
48	Immunochemical characterization of human liver and heart ferritins with monoclonal antibodies. <i>BBA - Proteins and Proteomics</i> , 1986, 872, 61-71.	2.1	92
49	Evidence that residues exposed on the three-fold channels have active roles in the mechanism of ferritin iron incorporation. <i>Biochemical Journal</i> , 1996, 317, 467-473.	1.7	92
50	Iron(II) and Hydrogen Peroxide Detoxification by Human H-Chain Ferritin. An EPR Spin-Trapping Study. <i>Biochemistry</i> , 2006, 45, 3429-3436.	1.2	87
51	Analysis of Ferritins in Lymphoblastoid Cell Lines and in the Lens of Subjects With Hereditary Hyperferritinemia-Cataract Syndrome. <i>Blood</i> , 1998, 91, 4180-4187.	0.6	85
52	Origin of the Unusual Kinetics of Iron Deposition in Human H-Chain Ferritin. <i>Journal of the American Chemical Society</i> , 2005, 127, 3885-3893.	6.6	81
53	$\hat{1}/4$ -1,2-Peroxybridged di-iron(III) dimer formation in human H-chain ferritin. <i>Biochemical Journal</i> , 2002, 364, 57-63.	1.7	80
54	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> , 2002, 119, 539-546.	1.2	80

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55	Iron detoxifying activity of ferritin. FEBS Letters, 1990, 277, 119-122.	1.3	79
56	Unique Iron Binding and Oxidation Properties of Human Mitochondrial Ferritin: A Comparative Analysis with Human H-chain Ferritin. Journal of Molecular Biology, 2005, 347, 543-554.	2.0	79
57	Ferritin Prevents Calcification and Osteoblastic Differentiation of Vascular Smooth Muscle Cells. Journal of the American Society of Nephrology: JASN, 2009, 20, 1254-1263.	3.0	79
58	The importance of eukaryotic ferritins in iron handling and cytoprotection. Biochemical Journal, 2015, 472, 1-15.	1.7	79
59	Macrophage and epithelial cell H-ferritin expression regulates renal inflammation. Kidney International, 2015, 88, 95-108.	2.6	77
60	Structural heterogeneity and subunit composition of horse ferritins. Biochemistry, 1982, 21, 2293-2299.	1.2	73
61	Ferrous Ion Binding to Recombinant Human H-Chain Ferritin. An Isothermal Titration Calorimetry Study. Biochemistry, 2002, 41, 11184-11191.	1.2	73
62	Neuroferritinopathy: a neurodegenerative disorder associated with L-ferritin mutation. Best Practice and Research in Clinical Haematology, 2005, 18, 265-276.	0.7	73
63	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, 1832-1840.	1.7	73
64	Immunohistochemical evidence for a lack of ferritin in duodenal absorptive epithelial cells in idiopathic hemochromatosis. Gastroenterology, 1989, 96, 1071-1078.	0.6	72
65	Identification of New Mutations of the HFE, Hpcidin, and Transferrin Receptor 2 Genes by Denaturing HPLC Analysis of Individuals with Biochemical Indications of Iron Overload. Clinical Chemistry, 2003, 49, 1981-1988.	1.5	72
66	Oxidative stress and cell death in cells expressing L-ferritin variants causing neuroferritinopathy. Neurobiology of Disease, 2010, 37, 77-85.	2.1	72
67	Overexpression of the hereditary hemochromatosis protein, HFE, in HeLa cells induces an iron-deficient phenotype. FEBS Letters, 1999, 460, 149-152.	1.3	71
68	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.	1.9	69
69	Is Hydrogen Peroxide Produced during Iron(II) Oxidation in Mammalian Apoferritins?. Biochemistry, 2001, 40, 10832-10838.	1.2	68
70	Mitochondrial Ferritin in the Substantia Nigra in Restless Legs Syndrome. Journal of Neuropathology and Experimental Neurology, 2009, 68, 1193-1199.	0.9	68
71	Role of iron and ferritin in TNF α -induced apoptosis in HeLa cells. FEBS Letters, 2003, 537, 187-192.	1.3	66
72	Functional roles of the ferritin receptors of human liver, hepatoma, lymphoid and erythroid cells. Journal of Inorganic Biochemistry, 1992, 47, 219-227.	1.5	64

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73	Ferritin Light Chain Confers Protection Against Sepsis-Induced Inflammation and Organ Injury. <i>Frontiers in Immunology</i> , 2019, 10, 131.	2.2	64
74	Human serum ferritin G-peptide is recognized by anti-L ferritin subunit antibodies and concanavalin-A. <i>British Journal of Haematology</i> , 1987, 65, 235-237.	1.2	64
75	Molecular Diffusion into Ferritin: Pathways, Temperature Dependence, Incubation Time, and Concentration Effects. <i>Biophysical Journal</i> , 2000, 78, 2049-2059.	0.2	63
76	Structural description of the active sites of mouse L-chain ferritin at 1.2Å resolution. <i>Journal of Biological Inorganic Chemistry</i> , 2003, 8, 105-111.	1.1	63
77	Glycol-split nonanticoagulant heparins are inhibitors of hepcidin expression in vitro and in vivo. <i>Blood</i> , 2014, 123, 1564-1573.	0.6	62
78	Expression of iron homeostasis proteins in the spinal cord in experimental autoimmune encephalomyelitis and their implications for iron accumulation. <i>Neurobiology of Disease</i> , 2015, 81, 93-107.	2.1	62
79	Characterization of human ferritin H chain synthesized in <i>Escherichia coli</i> . <i>Gene</i> , 1987, 51, 269-274.	1.0	58
80	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> , 2008, 1782, 90-98.	1.8	56
81	Identification of new mutations of hepcidin and hemojuvelin in patients with HFE C282Y allele. <i>Blood Cells, Molecules, and Diseases</i> , 2004, 33, 338-343.	0.6	54
82	Expression and characterization of the ferritin binding domain of Nuclear Receptor Coactivator-4 (NCOA4). <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 2710-2716.	1.1	53
83	Relationship between TNF- α and iron metabolism in differentiating human monocytic THP-1 cells. <i>British Journal of Haematology</i> , 2000, 110, 978-984.	1.2	52
84	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> , 2007, 13, 214-218.	1.1	51
85	Effects of modifications near the 2-, 3- and 4-fold symmetry axes on human ferritin renaturation. <i>Biochemical Journal</i> , 1997, 322, 461-468.	1.7	49
86	Mutant Ferritin L-chains That Cause Neurodegeneration Act in a Dominant-negative Manner to Reduce Ferritin Iron Incorporation. <i>Journal of Biological Chemistry</i> , 2010, 285, 11948-11957.	1.6	48
87	Iron Oxidation and Core Formation in Recombinant Heteropolymeric Human Ferritins. <i>Biochemistry</i> , 2017, 56, 3900-3912.	1.2	48
88	Tyrosyl radical formation during the oxidative deposition of iron in human apoferritin. <i>Biochemistry</i> , 1995, 34, 7847-7853.	1.2	44
89	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> , 2003, 8, 489-497.	1.1	44
90	Mice lacking mitochondrial ferritin are more sensitive to doxorubicin-mediated cardiotoxicity. <i>Journal of Molecular Medicine</i> , 2014, 92, 859-869.	1.7	44

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91	Transient overexpression of human H- and L-ferritin chains in COS cells. <i>Biochemical Journal</i> , 1998, 330, 315-320.	1.7	43
92	Pantothenate kinase-2 (Pank2) silencing causes cell growth reduction, cell-specific ferroportin upregulation and iron deregulation. <i>Neurobiology of Disease</i> , 2010, 39, 204-210.	2.1	42
93	Iron release from ferritin by flavin nucleotides. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 4669-4674.	1.1	40
94	The Putative "Nucleation Site" in Human H-Chain Ferritin Is Not Required for Mineralization of the Iron Core. <i>Biochemistry</i> , 2004, 43, 4332-4337.	1.2	39
95	Microelectronic DNA chip for hereditary hyperferritinemia cataract syndrome, a model for large-scale analysis of disorders of iron metabolism. <i>Human Mutation</i> , 2006, 27, 201-208.	1.1	38
96	Oversulfated heparins with low anticoagulant activity are strong and fast inhibitors of hepcidin expression in vitro and in vivo. <i>Biochemical Pharmacology</i> , 2014, 92, 467-475.	2.0	38
97	Characterization of the I-ferritin variant 460InsA responsible of a hereditary ferritinopathy disorder. <i>Neurobiology of Disease</i> , 2006, 23, 644-652.	2.1	37
98	International collaborative study to evaluate a recombinant L ferritin preparation as an International Standard. <i>Clinical Chemistry</i> , 1997, 43, 1582-1587.	1.5	36
99	Structural and Functional Studies of Human Ferritin H and L Chains1. <i>Current Studies in Hematology and Blood Transfusion</i> , 1991, 58, 127-131.	0.2	35
100	New TFR2 mutations in young Italian patients with hemochromatosis. <i>Haematologica</i> , 2008, 93, 309-310.	1.7	35
101	Iron Acquisition in <i>Bacillus cereus</i> : The Roles of IIsA and Bacillibactin in Exogenous Ferritin Iron Mobilization. <i>PLoS Pathogens</i> , 2014, 10, e1003935.	2.1	35
102	Vanadyl(IV) binding to mammalian ferritins. An EPR study aided by site-directed mutagenesis. <i>Journal of Inorganic Biochemistry</i> , 2000, 80, 107-113.	1.5	34
103	H-ferritin suppression and pronounced mitochondrial respiration make Hepatocellular Carcinoma cells sensitive to RSL3-induced ferroptosis. <i>Free Radical Biology and Medicine</i> , 2021, 169, 294-303.	1.3	34
104	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> , 2001, 47, 491-497.	1.5	32
105	Scanning mutations of the 5'UTR regulatory sequence of I-ferritin by denaturing high-performance liquid chromatography: identification of new mutations. <i>British Journal of Haematology</i> , 2003, 121, 173-179.	1.2	32
106	Characteristics of a ferritin-binding protein present in human serum. <i>British Journal of Haematology</i> , 1987, 65, 489-493.	1.2	30
107	Development of an immunoassay for all human isoforms of ferritin, and its application to serum ferritin evaluation. <i>Clinica Chimica Acta</i> , 1989, 184, 197-206.	0.5	30
108	Antiferritin Single-Chain Fv Fragment Is a Functional Protein with Properties of a Partially Structured State: A Comparison with the Completely Folded VLDomain. <i>Biochemistry</i> , 2000, 39, 8047-8057.	1.2	30

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109	Recombinant human hepcidin expressed in Escherichia coli isolates as an iron containing protein. Blood Cells, Molecules, and Diseases, 2005, 35, 177-181.	0.6	29
110	Pharmacological induction of ferritin prevents osteoblastic transformation of smooth muscle cells. Journal of Cellular and Molecular Medicine, 2016, 20, 217-230.	1.6	28
111	Immunocytochemical detection of ferritin in human bone marrow and peripheral blood cells using monoclonal antibodies specific for the H and L subunit. British Journal of Haematology, 1990, 76, 427-432.	1.2	27
112	Ferroportin gene silencing induces iron retention and enhances ferritin synthesis in human macrophages. British Journal of Haematology, 2004, 127, 598-603.	1.2	27
113	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, 114-121.	1.5	27
114	Mechanisms of regulation of ferritin synthesis in rat liver during experimental inflammation. Experimental and Molecular Pathology, 1988, 48, 174-181.	0.9	26
115	Redox Reactivity of Animal Apoferritins and Apoheteropolymers Assembled from Recombinant Heavy and Light Human Chain Ferritins. Biochemistry, 1999, 38, 4089-4096.	1.2	26
116	A novel deletion of the I-ferritin iron-responsive element responsible for severe hereditary hyperferritinaemia-cataract syndrome. British Journal of Haematology, 2002, 116, 667-670.	1.2	26
117	Ferritin-a mediator of apoptosis?. Journal of Cellular Physiology, 2007, 212, 157-164.	2.0	26
118	The sedimentation properties of ferritins. New insights and analysis of methods of nanoparticle preparation. Biochimica Et Biophysica Acta - General Subjects, 2010, 1800, 858-870.	1.1	26
119	Biochemical and Immunological Characterization of Recombinant Allergen Lol p 1. FEBS Journal, 1997, 249, 886-894.	0.2	24
120	HFE gene mutations in a population of Italian Parkinson's disease patients. Parkinsonism and Related Disorders, 2008, 14, 426-430.	1.1	24
121	The importance of iron in pathophysiologic conditions. Frontiers in Pharmacology, 2015, 6, 26.	1.6	24
122	Potential Role of H-Ferritin in Mitigating Valvular Mineralization. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 413-431.	1.1	24
123	Immunological Reactivity of Serum Ferritin in Patients with Malignancy. Tumori, 1985, 71, 547-554.	0.6	23
124	Recombinant allergen Lol p II: Expression, purification and characterization. Molecular Immunology, 1995, 32, 505-513.	1.0	23
125	Analysis of ferritin genes in Parkinson disease. Clinical Chemistry and Laboratory Medicine, 2007, 45, 1450-6.	1.4	23
126	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.	1.1	23

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127	Î±-Synuclein in blood cells differentiates Parkinson's disease from healthy controls. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 2426-2436.	1.7	23
128	Identification of two novel mutations in the 5'-untranslated region of H-ferritin using denaturing high performance liquid chromatography scanning. <i>Haematologica</i> , 2003, 88, 1110-6.	1.7	23
129	Blotting Analysis of Native IRP1: A Novel Approach to Distinguish the Different Forms of IRP1 in Cells and Tissues. <i>Biochemistry</i> , 2004, 43, 195-204.	1.2	22
130	Kinetic studies of iron deposition catalyzed by recombinant human liver heavy, and light ferritins and <i>Azotobacter vinelandii</i> bacterioferritin using O ₂ and H ₂ O ₂ as oxidants. <i>Biophysical Chemistry</i> , 2005, 114, 235-244.	1.5	22
131	Sucrosomial Iron Supplementation in Mice: Effects on Blood Parameters, Hepcidin, and Inflammation. <i>Nutrients</i> , 2018, 10, 1349.	1.7	22
132	Regulation of ferritin synthesis in malignant and non-malignant lymphoid cells. <i>Biochemical and Biophysical Research Communications</i> , 1986, 139, 652-657.	1.0	21
133	Human recombinant antibody fragments specific for a rye-grass pollen allergen: Characterization and potential applications. <i>Molecular Immunology</i> , 1996, 33, 1049-1058.	1.0	21
134	Characteristics of ferritins in human milk secretions: Similarities to serum and tissue isoferritins. <i>Clinica Chimica Acta</i> , 1986, 161, 201-208.	0.5	20
135	Characterization of the H- and L-Subunit Ratios of Ferritins by Sodium Dodecyl Sulfate-Capillary Gel Electrophoresis. <i>Analytical Biochemistry</i> , 2002, 302, 263-268.	1.1	20
136	Mutations of Ferritin H Chain C-Terminus Produced by Nucleotide Insertions Have Altered Stability and Functional Properties. <i>Journal of Biochemistry</i> , 2006, 139, 881-885.	0.9	20
137	Non-Anticoagulant Heparins Are hepcidin Antagonists for the Treatment of Anemia. <i>Molecules</i> , 2017, 22, 598.	1.7	20
138	Behavioral Characterization of Mouse Models of Neuroferritinopathy. <i>PLoS ONE</i> , 2015, 10, e0118990.	1.1	20
139	Use of a monoclonal antibody against human heart ferritin for evaluating acidic ferritin concentration in human serum. <i>British Journal of Haematology</i> , 1985, 61, 445-453.	1.2	19
140	Ferritins in malignant and non-malignant lymphoid cells. <i>British Journal of Haematology</i> , 1986, 62, 105-110.	1.2	19
141	Antiferritin single-chain antibody: a functional protein with incomplete folding?. <i>FEBS Letters</i> , 1998, 441, 458-462.	1.3	19
142	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> , 2015, 1850, 1267-1273.	1.1	19
143	Ferritin in the red cells of normal subjects and patients with iron deficiency and iron overload. <i>British Journal of Haematology</i> , 1983, 53, 659-665.	1.2	18
144	Mutant L-chain ferritins that cause neuroferritinopathy alter ferritin functionality and iron permeability. <i>Metallomics</i> , 2019, 11, 1635-1647.	1.0	18

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145	Serum ferritin evaluation with radioimmunoassays specific for HeLa and liver ferritin types. <i>Immunology Letters</i> , 1981, 3, 309-313.	1.1	16
146	Basic and acidic isoferritins in the serum of patients with Hodgkin's disease. <i>European Journal of Cancer & Clinical Oncology</i> , 1983, 19, 339-345.	0.9	16
147	Heparanase Overexpression Reduces Hepcidin Expression, Affects Iron Homeostasis and Alters the Response to Inflammation. <i>PLoS ONE</i> , 2016, 11, e0164183.	1.1	16
148	Design and site-directed compartmentalization of gold nanoclusters within the intrasubunit interfaces of ferritin nanocage. <i>Journal of Nanobiotechnology</i> , 2019, 17, 79.	4.2	16
149	Binding and suppressive activity of human recombinant ferritins on erythroid cells. <i>American Journal of Hematology</i> , 1992, 39, 264-268.	2.0	15
150	Structure of mouse L-chain ferritin at 1.6 Å resolution. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001, 57, 1491-1497.	2.5	15
151	High Sulfation and a High Molecular Weight Are Important for Anti-hepcidin Activity of Heparin. <i>Frontiers in Pharmacology</i> , 2016, 6, 316.	1.6	15
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