

Structure, function, and evolution of ferritins

Journal of Inorganic Biochemistry

47, 161-174

DOI: [10.1016/0162-0134\(92\)84062-r](https://doi.org/10.1016/0162-0134(92)84062-r)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Amino-acid sequence and predicted three-dimensional structure of pea seed (<i>Pisum sativum</i>) ferritin. <i>Biochemical Journal</i> , 1992, 288, 931-939.	1.7	104
2	Overproduction, purification and characterization of the <i>Escherichia coli</i> ferritin. <i>FEBS Journal</i> , 1993, 218, 985-995.	0.2	82
3	Cloning, expression and characterization of horse L-ferritin in <i>Escherichia coli</i> . <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1993, 1174, 218-220.	2.4	36
4	Structure and composition of ferritin cores from pea seed (<i>Pisum sativum</i>). <i>BBA - Proteins and Proteomics</i> , 1993, 1161, 91-96.	2.1	89
5	Iron release and uptake by plant ferritin: effects of pH, reduction and chelation. <i>Biochemical Journal</i> , 1993, 290, 693-699.	1.7	84
6	Iron (II) oxidation and early intermediates of iron-core formation in recombinant human H-chain ferritin. <i>Biochemical Journal</i> , 1993, 296, 709-719.	1.7	89
7	Defining the roles of the threefold channels in iron uptake, iron oxidation and iron-core formation in ferritin: a study aided by site-directed mutagenesis. <i>Biochemical Journal</i> , 1993, 296, 721-728.	1.7	125
8	Absciscic acid is involved in the iron-induced synthesis of maize ferritin.. <i>EMBO Journal</i> , 1993, 12, 651-657.	3.5	90
9	Exclusion of ferritins and iron-responsive element (IRE)-binding proteins as candidates for the hemochromatosis gene. <i>Human Genetics</i> , 1994, 94, 159-64.	1.8	9
10	cDNA cloning and deduced amino acid sequence of two ferritins: soma ferritin and yolk ferritin, from the snail <i>Lymnaea stagnalis</i> L.. <i>FEBS Journal</i> , 1994, 222, 353-366.	0.2	67
11	Expression in <i>Escherichia coli</i> of a secreted invertebrate ferritin. <i>FEBS Journal</i> , 1994, 222, 367-376.	0.2	9
12	Iron metabolism in <i>Rhodobacter capsulatus</i> . Characterisation of bacterioferritin and formation of non-haem iron particles in intact cells. <i>FEBS Journal</i> , 1994, 223, 847-855.	0.2	29
13	Direct observation of the iron binding sites in a ferritin. <i>FEBS Letters</i> , 1994, 350, 258-262.	1.3	93
14	Rapid Kinetics of the EPR-Active Species Formed during Initial Iron Uptake in Horse Spleen Apoferritin. <i>Biochemistry</i> , 1994, 33, 15095-15102.	1.2	28
15	Iron incorporation into ferritins: evidence for the transfer of monomeric Fe(III) between ferritin molecules and for the formation of an unusual mineral in the ferritin of <i>Escherichia coli</i> . <i>Biochemical Journal</i> , 1994, 302, 813-820.	1.7	40
16	Structural heterogeneity of <i>Pseudomonas aeruginosa</i> bacterioferritin. <i>Biochemical Journal</i> , 1994, 304, 493-497.	1.7	42
17	Conformational changes and in vitro core-formation modifications induced by site-directed mutagenesis of the specific N-terminus of pea seed ferritin. <i>Biochemical Journal</i> , 1995, 305, 959-965.	1.7	34
18	Ferritin does not accumulate iron oxidized by caeruloplasmin. <i>Biochemical Journal</i> , 1995, 305, 21-23.	1.7	11

#	ARTICLE	IF	CITATIONS
19	Permeation of small molecules into the cavity of ferritin as revealed by proton nuclear magnetic resonance relaxation. <i>Biochemical Journal</i> , 1995, 307, 253-256.	1.7	36
20	Identification of the ferroxidase centre of <i>Escherichia coli</i> bacterioferritin. <i>Biochemical Journal</i> , 1995, 312, 385-392.	1.7	83
21	Purification and characterization of recombinant pea-seed ferritins expressed in <i>Escherichia coli</i> : influence of N-terminus deletions on protein solubility and core formation in vitro. <i>Biochemical Journal</i> , 1995, 305, 253-261.	1.7	73
22	Structure and Differential Expression of two Maize Ferritin Genes in Response to Iron and Abscisic Acid. <i>FEBS Journal</i> , 1995, 231, 609-619.	0.2	23
23	An isoform of ferritin as a component of protein yolk platelets in <i>Schistosoma mansoni</i> . <i>Molecular Reproduction and Development</i> , 1995, 41, 325-330.	1.0	50
24	Isolation and characterization of mosquito ferritin and cloning of a cDNA that encodes one subunit. <i>Archives of Insect Biochemistry and Physiology</i> , 1995, 29, 293-307.	0.6	75
25	Isolation and preliminary characterization of ferritin from clover seeds. <i>BioMetals</i> , 1995, 8, 47.	1.8	8
26	Control of crystal forms of apoferritin by site-directed mutagenesis. <i>Proteins: Structure, Function and Bioinformatics</i> , 1995, 23, 548-556.	1.5	34
27	Molecular aspects of iron uptake and storage in ferritin. <i>Coordination Chemistry Reviews</i> , 1995, 144, 347-368.	9.5	106
28	Induction of Ferritin Synthesis by Oxidative Stress. <i>Journal of Biological Chemistry</i> , 1995, 270, 700-703.	1.6	299
29	An unusual human ferritin H sequence from chromosome 4. <i>DNA Sequence</i> , 1995, 5, 173-175.	0.7	3
30	Diiron-Dependent Oxygen Proteins. <i>Advances in Inorganic Chemistry</i> , 1995, 43, 359-408.	0.4	63
31	Ferritin in cultured human cytotrophoblasts: Synthesis and subunit distribution. <i>Placenta</i> , 1995, 16, 383-395.	0.7	14
32	Cloning and sequencing of the bacterioferritin gene of <i>Brucella melitensis</i> 16M strain. <i>FEBS Letters</i> , 1995, 361, 238-242.	1.3	37
33	Cellular and molecular aspects of iron metabolism in plants. <i>Biology of the Cell</i> , 1995, 84, 69-81.	0.7	187
34	Initial assessment of magnetoferritin biokinetics and proton relaxation enhancement in rats. <i>Academic Radiology</i> , 1995, 2, 871-878.	1.3	35
36	Iron in biology: a structural viewpoint. <i>Reports on Progress in Physics</i> , 1996, 59, 867-933.	8.1	54
37	<i>Manduca sexta</i> hemolymph ferritin: cDNA sequence and mRNA expression. <i>Gene</i> , 1996, 172, 255-259.	1.0	48

#	ARTICLE	IF	CITATIONS
38	Spectroscopic and Voltammetric Characterisation of the Bacterioferritin-Associated Ferredoxin of <i>Escherichia coli</i> . <i>Biochemical and Biophysical Research Communications</i> , 1996, 229, 635-642.	1.0	58
39	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
40	Post-transcriptional regulation of plant ferritin accumulation in response to iron as observed in the maize mutant <i>ys1</i> . <i>FEBS Letters</i> , 1996, 397, 149-154.	1.3	21
41	Roles of ferritin in plants. <i>Journal of Plant Nutrition</i> , 1996, 19, 1331-1342.	0.9	44
42	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
43	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
44	Characterization of a ferritin mRNA from <i>Arabidopsis thaliana</i> accumulated in response to iron through an oxidative pathway independent of abscisic acid. <i>Biochemical Journal</i> , 1996, 318, 67-73.	1.7	96
45	Molecular Cloning and Cold-inducible Gene Expression of Ferritin H Subunit Isoforms in Rainbow Trout Cells. <i>Journal of Biological Chemistry</i> , 1996, 271, 26908-26913.	1.6	39
46	Lability of iron at the dinuclear centres of ferritin studied by competition with four chelators. <i>Journal of Biological Inorganic Chemistry</i> , 1996, 1, 49-60.	1.1	12
47	Ferritin gene organization: Differences between plants and animals suggest possible kingdom-specific selective constraints. <i>Journal of Molecular Evolution</i> , 1996, 42, 325-336.	0.8	63
48	Purification and cDNA Cloning of Ferritin from the Hepatopancreas of the Freshwater Crayfish <i>Pacifastacus leniusculus</i> . <i>FEBS Journal</i> , 1996, 236, 450-456.	0.2	61
49	Ferritin mRNAs in <i>Schistosoma Mansoni</i> do not have Iron-Responsive Elements for Post-Transcriptional Regulation. <i>FEBS Journal</i> , 1996, 241, 64-69.	0.2	20
50	Structural investigation of the complexation properties between horse spleen apoferritin and metalloporphyrins. <i>Proteins: Structure, Function and Bioinformatics</i> , 1996, 24, 314-321.	1.5	21
51	Dynamic equilibria in iron uptake and release by ferritin. <i>BioMetals</i> , 1996, 9, 303-309.	1.8	21
52	Preliminary X-ray diffraction studies of the tetragonal form of native horse-spleen apoferritin. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1996, 52, 594-596.	2.5	3
53	Protein folding and association: In vitro studies for self-organization and targeting in the cell. <i>Current Topics in Cellular Regulation</i> , 1996, 34, 209-314.	9.6	57
54	Dinuclear Center of Ferritin: Studies of Iron Binding and Oxidation Show Differences in the Two Iron Sites. <i>Biochemistry</i> , 1997, 36, 432-441.	1.2	78
55	Comparison of the three-dimensional structures of recombinant human H and horse L ferritins at high resolution 1.1 Å. Edited by R. Huber. <i>Journal of Molecular Biology</i> , 1997, 268, 424-448.	2.0	306

#	ARTICLE	IF	CITATIONS
56	Isolation and Properties of <i>Drosophila Melanogaster</i> Ferritin - Molecular Cloning of a cDNA that Encodes One Subunit, and Localization of the Gene on the Third Chromosome. <i>FEBS Journal</i> , 1997, 247, 470-475.	0.2	62
57	Sequencing of cDNA Clones that Encode Bovine Ferritin H and L Chains. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1997, 118, 667-673.	0.7	35
58	Purification and characterization of ferritin from alfalfa seeds. <i>Journal of Inorganic Biochemistry</i> , 1997, 66, 23-27.	1.5	19
59	Two-dimensional crystals of apoferritin. <i>Advances in Biophysics</i> , 1997, 34, 93-107.	0.6	19
60	Leaf senescence in <i>Brassica napus</i> : cloning of senescence related genes by subtractive hybridisation. , 1997, 33, 821-834.		243
61	X-ray structure of recombinant horse L-chain apoferritin at 2.0Å resolution: implications for stability and function. <i>Journal of Biological Inorganic Chemistry</i> , 1997, 2, 360-367.	1.1	54
62	Comparison of the Structures of the Cubic and Tetragonal Forms of Horse-Spleen Apoferritin. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1997, 53, 580-587.	2.5	69
63	Regulation of iron metabolism in the sanguivore lamprey <i>Lampetra fluviatilis</i> . Molecular cloning of two ferritin subunits and two iron-regulatory proteins (IRP) reveals evolutionary conservation of the iron-regulatory element (IRE)/IRP regulatory system. <i>FEBS Journal</i> , 1998, 254, 223-229.	0.2	32
64	Formation and movement of Fe(III) in horse spleen, H and L recombinant ferritins. A fluorescence study. <i>Protein Science</i> , 1998, 7, 427-432.	3.1	14
65	Iron Storage in Bacteria. <i>Advances in Microbial Physiology</i> , 1998, 40, 281-351.	1.0	311
66	Reaction Paths of Iron Oxidation and Hydrolysis in Horse Spleen and Recombinant Human Ferritins. <i>Biochemistry</i> , 1998, 37, 9743-9750.	1.2	142
67	Iron metabolism in the lower respiratory tract. <i>Thorax</i> , 1998, 53, 594-600.	2.7	143
68	Distinct stability of recombinant L and H subunits of human ferritin: calorimetric and ANS binding studies. <i>Protein Engineering, Design and Selection</i> , 1998, 11, 377-381.	1.0	29
69	H-Ferritin Subunit Overexpression in Erythroid Cells Reduces the Oxidative Stress Response and Induces Multidrug Resistance Properties. <i>Blood</i> , 1999, 94, 3593-3603.	0.6	187
70	Expression, purification, crystallization and preliminary X-ray diffraction results from <i>Campylobacter jejuni</i> ferritin. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1999, 55, 299-301.	2.5	2
71	Transcriptional control is relevant in the modulation of mosquito ferritin synthesis by iron. <i>FEBS Journal</i> , 1999, 266, 236-240.	0.2	49
72	Plants ectopically expressing the ironbinding protein, ferritin, are tolerant to oxidative damage and pathogens. <i>Nature Biotechnology</i> , 1999, 17, 192-196.	9.4	208
73	Regulation of plant ferritin synthesis: how and why. <i>Cellular and Molecular Life Sciences</i> , 1999, 56, 155-166.	2.4	133

#	ARTICLE	IF	CITATIONS
74	Free radical activity of mineral fibres containing adsorbed ferritin: Detection using supercoiled DNA. <i>Research on Chemical Intermediates</i> , 1999, 25, 177-185.	1.3	6
75	Occurrence and expression of members of the ferritin gene family in cowpeas. <i>Biochemical Journal</i> , 1999, 337, 523-530.	1.7	29
76	Ferroxidase activity of ferritin: effects of pH, buffer and Fe(II) and Fe(III) concentrations on Fe(II) autoxidation and ferroxidation. <i>Biochemical Journal</i> , 1999, 338, 615-618.	1.7	45
77	Occurrence and expression of members of the ferritin gene family in cowpeas. <i>Biochemical Journal</i> , 1999, 337, 523.	1.7	18
78	Ferroxidase activity of ferritin: effects of pH, buffer and Fe(II) and Fe(III) concentrations on Fe(II) autoxidation and ferroxidation. <i>Biochemical Journal</i> , 1999, 338, 615.	1.7	18
79	Structure and location of a ferritin gene of the yellow fever mosquito <i>Aedes aegypti</i> . <i>FEBS Journal</i> , 2000, 267, 3885-3890.	0.2	20
80	Lupine leghemoglobin α : expression in transgenic Lotus and tobacco tissues. <i>Molecular Genetics and Genomics</i> , 2000, 263, 173-182.	2.4	11
81	Purification and Properties of a Folate-catabolizing Enzyme. <i>Journal of Biological Chemistry</i> , 2000, 275, 35646-35655.	1.6	68
82	Increased Expression of mRNA Encoding Ferritin Heavy Chain in Brain Structures of a Rat Model of Absence Epilepsy. <i>Experimental Neurology</i> , 2000, 162, 112-120.	2.0	12
83	Addressing micronutrient malnutrition through enhancing the nutritional quality of staple foods: Principles, perspectives and knowledge gaps. <i>Advances in Agronomy</i> , 2001, 70, 77-142.	2.4	443
84	Developmental profile, isolation, and biochemical characterization of a novel lipoglycoheme-carrier protein from the American dog tick, <i>Dermacentor variabilis</i> (Acari: Ixodidae) and observations on a similar protein in the soft tick, <i>Ornithodoros parkeri</i> (Acari: Argasidae). <i>Insect Biochemistry and Molecular Biology</i> , 2001, 31, 299-311.	1.2	42
85	<i>Manduca sexta</i> IRP1: molecular characterization and in vivo response to iron. <i>Insect Biochemistry and Molecular Biology</i> , 2001, 32, 85-96.	1.2	13
86	Intracellular Iron Storage and Biomineralization. , 0, , 133-165.		1
87	Evolution of the acute phase response: iron release by echinoderm (<i>Asterias forbesi</i>) coelomocytes, and cloning of an echinoderm ferritin molecule. <i>Developmental and Comparative Immunology</i> , 2002, 26, 11-26.	1.0	128
88	Iron Metabolism in Insects. <i>Annual Review of Entomology</i> , 2002, 47, 535-559.	5.7	253
89	Tissue distribution and characterization of predominant hemolymph carrier proteins from <i>Dermacentor variabilis</i> and <i>Ornithodoros parkeri</i> . <i>Journal of Insect Physiology</i> , 2002, 48, 161-170.	0.9	37
90	Alterations in cellular Ca ²⁺ and free iron pool by sulfur amino acid deprivation: the role of ferritin light chain down-regulation in prooxidant production. <i>Biochemical Pharmacology</i> , 2002, 63, 647-657.	2.0	13
91	Two pathways of iron uptake in bovine spleen apoferritin dependent on iron concentration. <i>BioMetals</i> , 2002, 15, 59-63.	1.8	11

#	ARTICLE	IF	CITATIONS
92	Current Knowledge of Iron Metabolism. <i>Biological Trace Element Research</i> , 2003, 92, 189-212.	1.9	18
93	Purification, electrophoretic behavior, and kinetics of iron release of liver ferritin of <i>Dasyatis akajei</i> . <i>The Protein Journal</i> , 2003, 22, 61-70.	1.1	25
94	<i>Aedes aegypti</i> ferritin. A cytotoxic protector against iron and oxidative challenge?. <i>FEBS Journal</i> , 2003, 270, 3667-3674.	0.2	59
95	Ferritins. , 2003, , 169-194.		4
96	Coupled degradation of a small regulatory RNA and its mRNA targets in <i>Escherichia coli</i> . <i>Genes and Development</i> , 2003, 17, 2374-2383.	2.7	626
97	A novel ferritin subunit involved in shell formation from the pearl oyster (<i>Pinctada fucata</i>). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2003, 135, 43-54.	0.7	93
98	<l>Ferritin</l> Gene Coding Sequences Are Conserved Among Eight Hard Tick Species (Ixodida:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 50	1.3	15
99	Kinetic analysis of bovine spleen apoferritin and recombinant H and L chain homopolymers: Iron uptake suggests early stage H chain ferroxidase activity and second stage L chain cooperation. <i>BioMetals</i> , 2004, 17, 129-134.	1.8	17
100	High-field magnetic resonance imaging of brain iron: birth of a biomarker?. <i>NMR in Biomedicine</i> , 2004, 17, 433-445.	1.6	306
101	Heme Protein Assemblies. <i>Chemical Reviews</i> , 2004, 104, 617-650.	23.0	352
102	Molecular cloning, expression and characterization of cDNAs encoding the ferritin subunits from the beetle, <i>Apriona germari</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2004, 138, 423-433.	0.7	19
103	<i>Crassostrea gigas</i> ferritin: cDNA sequence analysis for two heavy chain type subunits and protein purification. <i>Gene</i> , 2004, 338, 187-195.	1.0	59
104	Regulated secretion of glycosylated human ferritin from hepatocytes. <i>Blood</i> , 2004, 103, 2369-2376.	0.6	115
105	Effect of pH and Phosphate on Trapping Capacity of Various Heavy Metal Ions With Ferritin Reactor in Flowing Seawater. <i>Applied Biochemistry and Biotechnology</i> , 2005, 126, 133-148.	1.4	2
106	Isolation and Expression Pattern Analysis of Two Ferritin Genes in Tobacco. <i>Journal of Integrative Plant Biology</i> , 2005, 47, 477-486.	4.1	11
107	Sequencing and characterization of a cDNA encoding a ferritin subunit of Colorado potato beetle, <i>Leptinotarsa decemlineata</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2005, 60, 140-150.	0.6	10
108	The <i>Brachyspira hyodysenteriae</i> ftnA Gene: DNA Vaccination and Real-Time PCR Quantification of Bacteria in a Mouse Model of Disease. <i>Current Microbiology</i> , 2005, 50, 285-291.	1.0	10
109	Ferritin. , 2005, , 341-356.		0

#	ARTICLE	IF	CITATIONS
110	Cellular and whole organism aspects of iron transport and storage in plants. Topics in Current Genetics, 2005, , 193-213.	0.7	3
111	Sequence analysis of canine and equine ferritin H and L subunit cDNAs. DNA Sequence, 2005, 16, 58-64.	0.7	11
112	The So-Called <i>Listeria innocua</i> Ferritin Is a Dps Protein. Iron Incorporation, Detoxification, and DNA Protection Properties. Biochemistry, 2005, 44, 5572-5578.	1.2	99
115	Technical Note: Measurement of Ferritin in Bovine Milk and Its Clinical Significance. Journal of Dairy Science, 2006, 89, 3842-3845.	1.4	11
116	Mass spectrometry studies of demetallation of haemin by recombinant horse L chain apoferritin and its mutant (E 53,56,57,60 Q). FEBS Letters, 2006, 580, 6275-6280.	1.3	3
117	Molecular cloning and tissue distribution of ferritin in Pacific white shrimp (<i>Litopenaeus vannamei</i>). Fish and Shellfish Immunology, 2006, 21, 279-283.	1.6	45
118	Recent Advances in Food Biotechnology Research. , 0, , 35-70.		10
119	Analysis of fat body transcriptome from the adult tsetse fly, <i>Glossina morsitans morsitans</i> . Insect Molecular Biology, 2006, 15, 411-424.	1.0	58
120	Release of iron from ferritin requires lysosomal activity. American Journal of Physiology - Cell Physiology, 2006, 291, C445-C455.	2.1	221
121	A Ferritin-responsive Internal Ribosome Entry Site Regulates Folate Metabolism. Journal of Biological Chemistry, 2007, 282, 29927-29935.	1.6	35
122	Variation in biological characteristics of purified pea ferritin (<i>Fer</i>) transgenic rice. Chinese Journal of Agricultural Biotechnology, 2007, 4, 213-219.	0.1	0
123	Iron role in oxidative metabolism of soybean axes upon growth. Plant Science, 2007, 172, 939-947.	1.7	22
124	Two ferritin subunits from disk abalone (<i>Haliotis discus discus</i>): Cloning, characterization and expression analysis. Fish and Shellfish Immunology, 2007, 23, 624-635.	1.6	70
125	Cleavage of the human thyrotropin receptor by ADAM10 is regulated by thyrotropin. Journal of Molecular Recognition, 2007, 20, 392-404.	1.1	36
126	Glutathione depletion in hippocampal cells increases levels of H and L ferritin and glutathione S-transferase mRNAs. Genes To Cells, 2007, 12, 561-567.	0.5	16
127	Ferritin associates with marginal band microtubules. Experimental Cell Research, 2007, 313, 1602-1614.	1.2	11
128	EPR Studies of Recombinant Horse L-Chain Apoferritin and its Mutant (E 53,56,57,60 Q) with Haemin. BioMetals, 2007, 20, 21-26.	1.8	1
129	Apolipoprotein B binds ferritin by hemin-mediated binding: evidence of direct binding of apolipoprotein B and ferritin to hemin. BioMetals, 2008, 21, 61-69.	1.8	18

#	ARTICLE	IF	CITATIONS
130	Proteomic study of the effects of complex environmental stresses in the livers of goldfish (<i>Carassius</i>) Tj ETQq0 0 0 ggBT /Overlock 10 Tf	1.1	35
131	Label-Free Detection of Antibody-antigen Interactions on (R)-Lipo-diaza-18-crown-6 Self-Assembled Monolayer Modified Gold Electrodes. <i>Analytical Chemistry</i> , 2008, 80, 4986-4993.	3.2	34
132	Molecular, physiological and clinical aspects of the iron storage protein ferritin. <i>Veterinary Journal</i> , 2008, 178, 191-201.	0.6	115
133	Sequence analysis of dolphin ferritin H and L subunits and possible iron-dependent translational control of dolphin ferritin gene. <i>Acta Veterinaria Scandinavica</i> , 2008, 50, 42.	0.5	3
134	Identification and expression of a ferritin homolog in amphioxus <i>Branchiostoma belcheri</i> : Evidence for its dual role in immune response and iron metabolism. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2008, 150, 263-270.	0.7	35
135	Transcriptional regulation of ferritin mRNA levels by iron in the freshwater giant prawn, <i>Macrobrachium rosenbergii</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2008, 150, 320-325.	0.7	27
136	MytiBase: a knowledgebase of mussel (<i>M. galloprovincialis</i>) transcribed sequences. <i>BMC Genomics</i> , 2009, 10, 72.	1.2	102
137	Characterization of feline serum ferritin-binding proteins: the presence of a novel ferritin-binding protein as an inhibitory factor in feline ferritin immunoassay. <i>BioMetals</i> , 2009, 22, 793-802.	1.8	12
138	A combined ¹⁵ N tracing/proteomics study in <i>Brassica napus</i> reveals the chronology of proteomics events associated with N remobilisation during leaf senescence induced by nitrate limitation or starvation. <i>Proteomics</i> , 2009, 9, 3580-3608.	1.3	78
139	Sequence and structural analysis of artemin based on ferritin: A comparative study. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2009, 1794, 1407-1413.	1.1	17
140	Production of recombinant protein and polyclonal mouse antiserum for ferritin from <i>Sipuncula Phascolosoma esculenta</i> . <i>Fish and Shellfish Immunology</i> , 2009, 27, 466-468.	1.6	11
141	A New Family of Ferritin Genes from <i>Lupinus luteus</i> -Comparative Analysis of Plant Ferritins, Their Gene Structure, and Evolution. <i>Molecular Biology and Evolution</i> , 2010, 27, 91-101.	3.5	22
142	Nitric oxide and frataxin: two players contributing to maintain cellular iron homeostasis. <i>Annals of Botany</i> , 2010, 105, 801-810.	1.4	33
143	Two novel secreted ferritins involved in immune defense of Chinese mitten crab <i>Eriocheir sinensis</i> . <i>Fish and Shellfish Immunology</i> , 2010, 28, 604-612.	1.6	48
144	Identification and molecular analysis of a ferritin subunit from red drum (<i>Sciaenops ocellatus</i>). <i>Fish and Shellfish Immunology</i> , 2010, 28, 678-686.	1.6	105
145	Cloning and analysis of a ferritin subunit from turbot (<i>Scophthalmus maximus</i>). <i>Fish and Shellfish Immunology</i> , 2010, 28, 829-836.	1.6	70
146	Ferritins and iron storage in plants. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2010, 1800, 806-814.	1.1	271
147	Insect ferritins: Typical or atypical?. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2010, 1800, 824-833.	1.1	100

#	ARTICLE	IF	CITATIONS
148	Serum ferritin: Past, present and future. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2010, 1800, 760-769.	1.1	593
149	Identification and analysis of a <i>Scophthalmus maximus</i> ferritin that is regulated at transcription level by oxidative stress and bacterial infection. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2010, 156, 222-228.	0.7	51
150	New insights into ferritin synthesis and function highlight a link between iron homeostasis and oxidative stress in plants. <i>Annals of Botany</i> , 2010, 105, 811-822.	1.4	267
151	Self-Assembly in the Ferritin Nano-Cage Protein Superfamily. <i>International Journal of Molecular Sciences</i> , 2011, 12, 5406-5421.	1.8	116
152	Molecular characterization of the iron binding protein ferritin in <i>Eisenia andrei</i> earthworms. <i>Gene</i> , 2011, 485, 73-80.	1.0	6
153	Cloning and characterization of <i>Chlorobium tepidum</i> ferritin. <i>Biochimie</i> , 2011, 93, 352-360.	1.3	7
154	Magnetic Resonance Imaging of Tumors Colonized with Bacterial Ferritin-Expressing <i>Escherichia coli</i> . <i>PLoS ONE</i> , 2011, 6, e25409.	1.1	36
155	Binding of Mammalian and Avian Ferritins with Biotinylated Hemin: Demonstration of Preferential Binding of the H Subunit to Heme. <i>Journal of Veterinary Medical Science</i> , 2011, 73, 313-318.	0.3	6
156	Molecular characterization and tissue distribution of ferritin M in kelp grouper, <i>Epinephelus bruneus</i> . <i>Journal of Bioscience and Bioengineering</i> , 2011, 112, 541-544.	1.1	2
157	Effect of diquat-induced oxidative stress on iron metabolism in male Fischer-344 rats. <i>BioMetals</i> , 2011, 24, 1123-1131.	1.8	7
158	Cloning and characterization of two ferritin subunit genes from bay scallop, <i>Argopecten irradians</i> (Lamarck 1819). <i>Molecular Biology Reports</i> , 2011, 38, 2125-2132.	1.0	16
159	Cloning, phylogenetic and expression analysis of soybean ferritin gene. , 2011, , .		0
160	Isolation and Characterization of a Ferritin cDNA from the Mud Crab <i>Scylla paramamosain</i> . <i>Journal of Crustacean Biology</i> , 2011, 31, 345-351.	0.3	13
161	Structural and functional analyses of chicken liver ferritin. <i>Poultry Science</i> , 2011, 90, 1489-1495.	1.5	12
162	Gene Expression Analysis of <i>Xenopsylla cheopis</i> (Siphonaptera: Pulicidae) Suggests a Role for Reactive Oxygen Species in Response to <i>Yersinia pestis</i> Infection. <i>Journal of Medical Entomology</i> , 2012, 49, 364-370.	0.9	25
163	Synthesis of Metal Core in the Apoferritin Cavity. <i>Advanced Materials Research</i> , 0, 549, 216-220.	0.3	0
164	Ferritin H-like subunit from Manila clam (<i>Ruditapes philippinarum</i>): Molecular insights as a potent player in host antibacterial defense. <i>Fish and Shellfish Immunology</i> , 2012, 33, 926-936.	1.6	24
165	Three ferritin subunits involved in immune defense from bay scallop <i>Argopecten irradians</i> . <i>Fish and Shellfish Immunology</i> , 2012, 32, 368-372.	1.6	29

#	ARTICLE	IF	CITATIONS
166	Iron transport and storage in the coccolithophore: <i>Emiliana huxleyi</i> . <i>Metallomics</i> , 2012, 4, 1160.	1.0	11
167	Biomimetic Materials Synthesis from Ferritin-Related, Cage-Shaped Proteins. , 2012, , .		1
168	Biocompatible Nanomembranes Based on PEGylation of Cross-Linked Self-Assembled Monolayers. <i>Chemistry of Materials</i> , 2012, 24, 2965-2972.	3.2	23
169	Molecular and functional characterization of ferritin in abalone <i>Haliotis diversicolor supertexta</i> . <i>Acta Oceanologica Sinica</i> , 2012, 31, 87-97.	0.4	8
170	Immunocytochemical analysis of the subcellular distribution of ferritin in <i>Imperata cylindrica</i> (L.) Raeuschel, an iron hyperaccumulator plant. <i>Acta Histochemica</i> , 2012, 114, 232-236.	0.9	14
171	Identification and expression of differentially expressed genes in clam <i>Venerupis philippinarum</i> in response to environmental pollutant hexabromocyclododecane (HBCD). <i>Journal of Experimental Marine Biology and Ecology</i> , 2013, 445, 166-173.	0.7	12
172	Differential response of two ferritin subunit genes (VpFer1 and VpFer2) from <i>Venerupis philippinarum</i> following pathogen and heavy metals challenge. <i>Fish and Shellfish Immunology</i> , 2013, 35, 1658-1662.	1.6	17
173	<i>Concholepas concholepas</i> Ferritin H-like subunit (CcFer): Molecular characterization and single nucleotide polymorphism associated to innate immune response. <i>Fish and Shellfish Immunology</i> , 2013, 35, 910-917.	1.6	17
174	Identification of differential expressed proteins and characterization their mRNA expression in thermally stressed <i>Apostichopus japonicus</i> . <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2013, 8, 194-200.	0.4	11
175	Change of antibody levels to ferritin in the sera of foals after birth: Possible passive transfer of maternal anti-ferritin autoantibody via colostrum and age-related anti-ferritin autoantibody production. <i>Animal Science Journal</i> , 2013, 84, 782-789.	0.6	1
176	Measurement of ferritin and anti-ferritin autoantibodies in serum and colostrum of Holstein and Japanese Black cows. <i>Animal Science Journal</i> , 2013, 84, 556-561.	0.6	3
177	Binding Analysis of Ferritin with Heme Using β -Casein and Biotinylated-Hemin: Detection of Heme-Binding Capacity of Dpr Derived from Heme Synthesis-Deficient <i>Streptococcus mutans</i> . <i>Journal of Veterinary Medical Science</i> , 2013, 75, 1101-1105.	0.3	1
178	Genome-Wide Identification of Molecular Pathways and Biomarkers in Response to Arsenic Exposure in Zebrafish Liver. <i>PLoS ONE</i> , 2013, 8, e68737.	1.1	49
179	A comparative study of neurotoxic potential of synthesized polysaccharide-coated and native ferritin-based magnetic nanoparticles. <i>Croatian Medical Journal</i> , 2014, 55, 195-205.	0.2	31
180	Characterization Analysis of Human Anti-Ferritin Autoantibodies. <i>Antibodies</i> , 2014, 3, 169-181.	1.2	4
181	Peroxidase-like activity of magnetoferritin. <i>Mikrochimica Acta</i> , 2014, 181, 295-301.	2.5	30
182	Identification and functional characterization of a novel ferritin subunit from the tropical sea cucumber, <i>Stichopus monotuberculatus</i> . <i>Fish and Shellfish Immunology</i> , 2014, 38, 265-274.	1.6	36
183	Coupling Heme and Iron Metabolism via Ferritin H Chain. <i>Antioxidants and Redox Signaling</i> , 2014, 20, 1754-1769.	2.5	126

#	ARTICLE	IF	CITATIONS
184	Toxicological responses of the hard clam <i>Meretrix meretrix</i> exposed to excess dissolved iron or challenged by <i>Vibrio parahaemolyticus</i> . <i>Aquatic Toxicology</i> , 2014, 156, 240-247.	1.9	6
185	Molecular profile and functional characterization of the ferritin H subunit from rock bream (<i>Oplegnathus fasciatus</i>), revealing its putative role in host antioxidant and immune defense. <i>Developmental and Comparative Immunology</i> , 2014, 47, 104-114.	1.0	13
186	iTRAQ-based proteomic study of the effects of <i>Spiroplasma eriocheiris</i> on Chinese mitten crab <i>Eriocheir sinensis</i> hemocytes. <i>Fish and Shellfish Immunology</i> , 2014, 40, 182-189.	1.6	68
187	Label-Free Biomarker Assay in a Microresistive Pulse Sensor via Immunoaggregation. <i>Analytical Chemistry</i> , 2014, 86, 9717-9722.	3.2	22
188	Antioxidant Properties of Wheat Bran against Oxidative Stress. , 2014, , 181-199.		26
189	Excitotoxic potential of exogenous ferritin and apoferritin: Changes in ambient level of glutamate and synaptic vesicle acidification in brain nerve terminals. <i>Molecular and Cellular Neurosciences</i> , 2014, 58, 95-104.	1.0	7
190	Identification and analysis of a <i>Marsupenaeus japonicus</i> ferritin that is regulated at the transcriptional level by WSSV infection. <i>Gene</i> , 2014, 544, 184-190.	1.0	17
191	Ultra-thin Self-Assembled Protein-Polymer Membranes: A New Pore Forming Strategy. <i>Advanced Functional Materials</i> , 2014, 24, 6762-6770.	7.8	34
192	Three Aromatic Residues are Required for Electron Transfer during Iron Mineralization in Bacterioferritin. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14763-14767.	7.2	24
193	Three Aromatic Residues are Required for Electron Transfer during Iron Mineralization in Bacterioferritin. <i>Angewandte Chemie</i> , 2015, 127, 14976-14980.	1.6	14
194	Orally Delivered Sour Cherry Seed Extract (SCSE) Affects Cardiovascular and Hematological Parameters in Humans. <i>Phytotherapy Research</i> , 2015, 29, 444-449.	2.8	17
195	Preparation and Representation of Recombinant Mn-Ferritin Flower-Like Spherical Aggregates from Marine Invertebrates. <i>PLoS ONE</i> , 2015, 10, e0119427.	1.1	4
196	Diversity and Evolutionary History of Iron Metabolism Genes in Diatoms. <i>PLoS ONE</i> , 2015, 10, e0129081.	1.1	69
197	Contribution of neovascularization and intraplaque haemorrhage to atherosclerotic plaque progression and instability. <i>Acta Physiologica</i> , 2015, 213, 539-553.	1.8	83
198	Identification of genes differentially expressed in swimming crab <i>Portunus trituberculatus</i> response to low temperature. <i>Aquaculture</i> , 2015, 442, 21-28.	1.7	12
199	Mutagenesis study to disrupt electrostatic interactions on the twofold symmetry interface of <i>Escherichia coli</i> bacterioferritin. <i>Journal of Biochemistry</i> , 2015, 158, mvv065.	0.9	14
200	Transcriptomic and proteomic analyses of splenic immune mechanisms of rainbow trout (<i>Oncorhynchus mykiss</i>) infected by <i>Aeromonas salmonicida</i> subsp. <i>salmonicida</i> . <i>Journal of Proteomics</i> , 2015, 122, 41-54.	1.2	99
201	Genome-wide comparison of ferritin family from Archaea, Bacteria, Eukarya, and Viruses: its distribution, characteristic motif, and phylogenetic relationship. <i>Die Naturwissenschaften</i> , 2015, 102, 64.	0.6	21

#	ARTICLE	IF	CITATIONS
202	Three ferritin subunit analogs in Chinese giant salamander (<i>Andrias davidianus</i>) and their response to microbial stimulation. <i>Molecular Immunology</i> , 2015, 67, 642-651.	1.0	4
203	Determination of Iron Content and Dispersity of Intact Ferritin by Superconducting Tunnel Junction Cryodetection Mass Spectrometry. <i>Analytical Chemistry</i> , 2015, 87, 8985-8993.	3.2	27
204	Title is missing!. <i>Turkish Journal of Fisheries and Aquatic Sciences</i> , 2016, 16, .	0.4	2
206	Chronic iron limitation confers transient resistance to oxidative stress in marine diatoms. <i>Plant Physiology</i> , 2016, 172, pp.00840.2016.	2.3	26
207	Molecular characterization and gene expression of ferritin in blunt snout bream (<i>Megalobrama</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 50	1.6	8
208	Evidence that ferritin is associated with light production in the mucus of the marine worm <i>Chaetopterus</i> . <i>Scientific Reports</i> , 2016, 6, 36854.	1.6	16
209	Chickpea Ferritin CaFer1 Participates in Oxidative Stress Response and Promotes Growth and Development. <i>Scientific Reports</i> , 2016, 6, 31218.	1.6	22
210	Construction of a cDNA library for sea cucumber <i>Acaudina leucoprocta</i> and differential expression of ferritin peptide. <i>Chinese Journal of Oceanology and Limnology</i> , 2016, 34, 719-729.	0.7	2
211	Molecular and cellular bases of iron metabolism in humans. <i>Biochemistry (Moscow)</i> , 2016, 81, 549-564.	0.7	52
212	Cisplatin encapsulation within a ferritin nanocage: a high-resolution crystallographic study. <i>Chemical Communications</i> , 2016, 52, 4136-4139.	2.2	57
213	Data Mining Approaches to Identify Biomineralization Related Sequences. <i>Key Engineering Materials</i> , 2016, 672, 191-214.	0.4	2
214	Ferritin from the Pacific abalone <i>Haliotis discus hannai</i> : Analysis of cDNA sequence, expression, and activity. <i>Fish and Shellfish Immunology</i> , 2016, 49, 315-323.	1.6	6
215	Formation of biomineral iron oxides compounds in a Fe hyperaccumulator plant: <i>Imperata cylindrica</i> (L.) P. Beauv.. <i>Journal of Structural Biology</i> , 2016, 193, 23-32.	1.3	25
216	Analysis of Salmonella PhoP/PhoQ regulation by dimethyl-SRM-based quantitative proteomics. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2016, 1864, 20-28.	1.1	8
217	Scientific and Regulatory Considerations for Generic Complex Drug Products Containing Nanomaterials. <i>AAPS Journal</i> , 2017, 19, 619-631.	2.2	39
218	Chemistry at the proteinâ€“mineral interface in L-ferritin assists the assembly of a functional (1/4) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 50 <i>Academy of Sciences of the United States of America</i> , 2017, 114, 2580-2585.	3.3	74
219	X-ray Structure of the Carboplatin-Loaded Apo-Ferritin Nanocage. <i>ACS Medicinal Chemistry Letters</i> , 2017, 8, 433-437.	1.3	21
220	Polypeptides and Engineered Proteins. <i>ACS Symposium Series</i> , 2017, , 93-127.	0.5	2

#	ARTICLE	IF	CITATIONS
221	Ferritin nanocages loaded with gold ions induce oxidative stress and apoptosis in MCF-7 human breast cancer cells. <i>Dalton Transactions</i> , 2017, 46, 15354-15362.	1.6	37
222	Heavy metal detoxification by recombinant ferritin from <i>Apostichopus japonicus</i> . <i>RSC Advances</i> , 2017, 7, 41909-41918.	1.7	14
223	Effects of surface functionalization of hydrophilic NaYF ₄ nanocrystals doped with Eu ³⁺ on glutamate and GABA transport in brain synaptosomes. <i>Journal of Nanoparticle Research</i> , 2017, 19, 275.	0.8	8
224	The Crystal Structure of a Maxi/Mini-Ferritin Chimera Reveals Guiding Principles for the Assembly of Protein Cages. <i>Biochemistry</i> , 2017, 56, 3894-3899.	1.2	8
225	Description of a Second Ferritin Light Chain Homologue From the Yellow Fever Mosquito (Diptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.6	3
226	Molecular Characterization and Functional Analysis of a Ferritin Heavy Chain Subunit from the Eri-Silkworm, <i>Samia cynthia ricini</i> . <i>International Journal of Molecular Sciences</i> , 2017, 18, 2126.	1.8	11
227	Ferritin â†, 2017, , .		0
228	iTRAQ-based quantitative proteomic analysis of <i>Procambarus clarkii</i> hemocytes during <i>Spiroplasma eriocheiris</i> infection. <i>Fish and Shellfish Immunology</i> , 2018, 77, 438-444.	1.6	20
229	Comparative Analysis of Neurotoxic Potential of Synthesized, Native, and Physiological Nanoparticles. <i>Neuromethods</i> , 2018, , 203-227.	0.2	4
230	Caged noble metals: Encapsulation of a cytotoxic platinum(II)-gold(I) compound within the ferritin nanocage. <i>International Journal of Biological Macromolecules</i> , 2018, 115, 1116-1121.	3.6	23
231	Preparation, structure, cytotoxicity and mechanism of action of ferritin-Pt(II) terpyridine compound nanocomposites. <i>Nanomedicine</i> , 2018, 13, 2995-3007.	1.7	9
232	The NAMI A â€“ human ferritin system: a biophysical characterization. <i>Dalton Transactions</i> , 2018, 47, 11429-11437.	1.6	24
233	Protein Self-Assembly: Strategies and Applications. , 2019, , 1-41.		1
234	Application of crossflow ultrafiltration for scaling up the purification of a recombinant ferritin. <i>Protein Expression and Purification</i> , 2019, 163, 105451.	0.6	14
235	Comparative Proteomics on Deep-Sea Amphipods after in Situ Copper Exposure. <i>Environmental Science & Technology</i> , 2019, 53, 13981-13991.	4.6	9
236	Encapsulation of the Dinuclear Trithiolatoâ€Bridged Arene Ruthenium Complex Dirutheniumâ€1 in an Apoferritin Nanocage: Structure and Cytotoxicity. <i>ChemMedChem</i> , 2019, 14, 594-602.	1.6	22
237	Proteomic and metabolomic responses in hepatopancreas of whiteleg shrimp <i>Litopenaeus vannamei</i> infected by microsporidian <i>Enterocytozoon hepatopenaei</i> . <i>Fish and Shellfish Immunology</i> , 2019, 87, 534-545.	1.6	79
238	Ferritin variants: inspirations for rationally designing protein nanocarriers. <i>Nanoscale</i> , 2019, 11, 12449-12459.	2.8	41

#	ARTICLE	IF	CITATIONS
239	Recent progresses in the accumulation of metal ions into the apo-ferritin cage: Experimental and theoretical perspectives. <i>Polyhedron</i> , 2019, 172, 104-111.	1.0	12
240	Rice Biofortification: High Iron, Zinc, and Vitamin-A to Fight against "Hidden Hunger". <i>Agronomy</i> , 2019, 9, 803.	1.3	86
241	Protein-Based Nanobiosensor for Electrochemical Determination of Hydrogen Peroxide. <i>Russian Journal of Electrochemistry</i> , 2019, 55, 962-969.	0.3	1
242	Over expression of TaFer gene from <i>Tamarix androssowii</i> improves iron and drought tolerance in transgenic <i>Populus tomentosa</i> . <i>Journal of Forestry Research</i> , 2019, 30, 171-181.	1.7	1
243	Nanosopic X-ray imaging and quantification of the iron cellular architecture within single fibroblasts of Friedreich's ataxia patients. <i>Journal of Synchrotron Radiation</i> , 2020, 27, 185-198.	1.0	5
244	Magnetic nanoparticles. , 2020, , 195-221.		12
245	Genome editing of staple crop plants to combat iron deficiency. , 2020, , 187-206.		3
246	Ferritins in Kidney Disease. <i>Seminars in Nephrology</i> , 2020, 40, 160-172.	0.6	17
247	pH induced reorganization of protein-protein interface in liposome encapsulated Ferritin at air/fluid and fluid/solid interfaces. <i>Journal of Molecular Liquids</i> , 2020, 312, 113422.	2.3	1
248	Protein aggregates nucleate ice: the example of apoferritin. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 3291-3315.	1.9	22
249	Label-free quantitative proteomics of the MCF-7 cellular response to a ferritin-metallo drug complex. <i>Molecular Omics</i> , 2020, 16, 165-173.	1.4	3
250	Differential iron management in monocotyledon and dicotyledon plants from the R� Tinto basin. <i>Protoplasma</i> , 2020, 257, 889-900.	1.0	1
251	Ferritins in Chordata: Potential evolutionary trajectory marked by discrete selective pressures. <i>BioEssays</i> , 2021, 43, 2000207.	1.2	1
252	Synthesis, Biocompatibility, and Relaxometric Properties of Heavily Loaded Apoferritin with D-Glucuronic Acid-Coated Ultrasmall Gd ₂ O ₃ Nanoparticles. <i>BioNanoScience</i> , 2021, 11, 380-389.	1.5	0
253	Advancements of nature nanocage protein: preparation, identification and multiple applications of ferritins. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 7117-7128.	5.4	8
254	A critical review of ferritin as a drug nanocarrier: Structure, properties, comparative advantages and challenges. <i>Particuology</i> , 2022, 64, 65-84.	2.0	14
255	Integrin α 5 β 1-targeting ferritin nanocarrier traverses the blood-brain barrier for effective glioma chemotherapy. <i>Journal of Nanobiotechnology</i> , 2021, 19, 180.	4.2	28
256	Improvement of thermal stability of oyster (<i>Crassostrea gigas</i>) ferritin by point mutation. <i>Food Chemistry</i> , 2021, 346, 128879.	4.2	10

#	ARTICLE	IF	CITATIONS
257	Identification of novel yolk ferritins unique to planarians: planarians supply aluminum rather than iron to vitellaria in egg capsules. <i>Cell and Tissue Research</i> , 2021, 386, 391-413.	1.5	2
258	Ferroptosis in aquaculture research. <i>Aquaculture</i> , 2021, 541, 736760.	1.7	5
259	Conservative and Atypical Ferritins of Sponges. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8635.	1.8	7
260	Ferritins and Iron Accumulation in Plant Tissues. , 2006, , 341-357.		23
261	Utilization of Nitric Oxide as a Paramagnetic Probe of the Molecular Oxygen Binding Site of Metalloenzymes. , 1997, , 99-143.		4
262	Mechanism of Fe(II) Oxidation and Core Formation in Ferritin. <i>Advances in Experimental Medicine and Biology</i> , 1994, 356, 1-12.	0.8	5
263	Bacterioferritin: A Hemoprotein Member of the Ferritin Family. <i>Advances in Experimental Medicine and Biology</i> , 1994, 356, 157-164.	0.8	8
264	Chemico-Physical and Functional Differences Between H and L Chains of Human Ferritin. <i>Advances in Experimental Medicine and Biology</i> , 1994, 356, 13-21.	0.8	2
265	Molecular and cellular biology of plant ferritins. , 1995, , 265-276.		16
266	Ferritin Gene Organization: Differences Between Plants and Animals Suggest Possible Kingdom-Specific Selective Constraints. <i>Journal of Molecular Evolution</i> , 1996, 42, 325-336.	0.8	5
267	Construction of a ferroxidase center in human ferritin L-chain.. <i>Journal of Biological Chemistry</i> , 1994, 269, 30334-30339.	1.6	32
268	<i>Neisseria gonorrhoeae</i> bacterioferritin: structural heterogeneity, involvement in iron storage and protection against oxidative stress. <i>Microbiology (United Kingdom)</i> , 1999, 145, 2967-2975.	0.7	59
269	Structure and Differential Expression of two Maize Ferritin Genes in Response to Iron and Abscisic Acid. <i>FEBS Journal</i> , 1995, 231, 609-619.	0.2	71
270	Survival of a bacterioferritin deletion mutant of <i>Brucella melitensis</i> 16M in human monocyte-derived macrophages. <i>Infection and Immunity</i> , 1997, 65, 4337-4340.	1.0	21
271	Ultrastructural studies of oogenesis in the variable abalone <i>Haliotis varia</i> (Vetigastropoda:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf,50 182 Td	0.5	11
272	Recombinant ferritin protein protects <i>Penaeus monodon</i> infected by pathogenic <i>Vibrio harveyi</i> . <i>Diseases of Aquatic Organisms</i> , 2010, 88, 99-105.	0.5	24
273	Combined transcriptome and proteome profiling reveals specific molecular brain signatures for sex, maturation and circalunar clock phase. <i>ELife</i> , 2019, 8, .	2.8	51
274	DeterminaÃ§Ã£o dos valores hematolÃ³gicos e das concentraÃ§Ãµes sÃ©ricas de ferro e ferritina em sangue de cordÃ£o umbilical de recÃ©m-nascidos de termo e prÃ©-termo no Hospital Israelita Albert Einstein de SÃ£o Paulo. <i>Acta Cirurgica Brasileira</i> , 2000, 15, 220-228.	0.3	3

#	ARTICLE	IF	CITATIONS
276	Isolating and characterizing a cDNA encoding the iron-storage protein in rice. , 2008, , 446-448.		0
277	Sequence analysis and expression pattern of <i>ferritin</i> gene in sea cucumber(<i>Apostichopus</i>) Tj ETQq1 1 0.784314 rgBT /Overl	0.1	0
278	Molecular cloning and expression analysis of a ferritin H subunit from rock bream, <i>Oplegnathus fasciatus</i> . <i>Hangug Eobyeong Haghoeji</i> , 2013, 26, 295-301.	0.2	0
279	Regulation of Ferritin Synthesis and Degradation in Plants. , 1998, , 431-449.		0
280	Secretion of Ferritin Protein of <i>Periserrula leucophyryna</i> in <i>Bacillus subtilis</i> and Its Feed Efficiency. <i>KSBB Journal</i> , 2016, 31, 105-112.	0.1	1
281	Physiological Contemplation of Iron in the Body. , 2017, , 11-27.		0
282	Menopausal Phase and Iron, a Baseline Study in Calabar Cross River State, Nigeria. <i>Asian Journal of Biological Sciences</i> , 2018, 12, 31-35.	0.2	0
283	Seed Biotechnology for Improvement of Staple Crops. , 2020, , 503-519.		1
284	Protein Self-Assembly: Strategies and Applications. , 2020, , 915-955.		2
287	Abscisic acid is involved in the iron-induced synthesis of maize ferritin. <i>EMBO Journal</i> , 1993, 12, 651-7.	3.5	27
288	Identification of the ferroxidase centre of <i>Escherichia coli</i> bacterioferritin. <i>Biochemical Journal</i> , 1995, 312 (Pt 2), 385-92.	1.7	29
289	Occurrence and expression of members of the ferritin gene family in cowpeas. <i>Biochemical Journal</i> , 1999, 337 (Pt 3), 523-30.	1.7	11
290	Ferroxidase activity of ferritin: effects of pH, buffer and Fe(II) and Fe(III) concentrations on Fe(II) autoxidation and ferroxidation. <i>Biochemical Journal</i> , 1999, 338 (Pt 3), 615-8.	1.7	9
291	Production and characterization of a murine monoclonal antibody against human ferritin. <i>Avicenna Journal of Medical Biotechnology</i> , 2013, 5, 212-9.	0.2	10
292	Transgenics for Biofortification with Special Reference to Rice. , 2022, , 439-460.		0
293	Oyster (<i>Crassostrea gigas</i>) ferritin can efficiently reduce the damage of Pb ²⁺ in vivo by electrostatic attraction. <i>International Journal of Biological Macromolecules</i> , 2022, 210, 365-376.	3.6	6
294	An ancient function of PGR5 in iron delivery?. <i>Trends in Plant Science</i> , 2022, 27, 971-980.	4.3	5
295	Molecular imaging approaches to facilitate bacteria-mediated cancer therapy. <i>Advanced Drug Delivery Reviews</i> , 2022, 187, 114366.	6.6	3

#	ARTICLE	IF	CITATIONS
296	Ferritin self-assembly, structure, function, and biotechnological applications. International Journal of Biological Macromolecules, 2023, 224, 319-343.	3.6	11
297	Oyster (<i>Crassostrea gigas</i>) ferritin should be a promising Fe ²⁺ nanocarrier. Food Chemistry, 2023, 404, 134586.	4.2	0
298	Effect of Air Exposure and Re-Submersion on the Histological Structure, Antioxidant Response, and Gene Expression of <i>Procambarus Clarkii</i> . Animals, 2023, 13, 462.	1.0	0
299	Localization of secreted ferritin (FER2) in the embryos of the tick <i>Haemaphysalis longicornis</i> . Parasites and Vectors, 2023, 16, .	1.0	1
300	Iron uptake, transport and storage in marine brown algae. BioMetals, 2023, 36, 371-383.	1.8	0
303	Reducing cadmium content in zinc biofortified rice through genetic manipulation. , 2023, , 115-130.		0