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Translational regulation of mammalian and *Drosophila* citric acid cycle enzymes via iron-responsive elements

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| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 175 | From transcript to protein. 1996 , 85, 963-72 | | 65 |
| 174 | Aconitase as Ironminus signSulfur Protein, Enzyme, and Iron-Regulatory Protein. <i>Chemical Reviews</i> , 1996 , 96, 2335-2374 | 68.1 | 482 |
| 173 | Nitric oxide and oxidative stress (H2O2) control mammalian iron metabolism by different pathways. 1996 , 16, 3781-8 | | 177 |
| 172 | Molecular control of vertebrate iron metabolism: mRNA-based regulatory circuits operated by iron, nitric oxide, and oxidative stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996 , 93, 8175-82 | 11.5 | 1119 |
| 171 | Post-transcriptional regulation of genes of iron metabolism in mammalian cells. 1996 , 1, 494-499 | | 34 |
| 170 | Iron regulatory proteins 1 and 2. 1996 , 18, 739-46 | | 53 |
| 169 | Redox modulation of iron regulatory proteins by peroxynitrite. <i>Journal of Biological Chemistry</i> , 1997 , 272, 19969-75 | 5.4 | 71 |
| 168 | Comparative nutrition of iron and copper. 1997 , 17, 501-26 | | 48 |
| 167 | Translational controls impinging on the 5' untranslated region and initiation factor proteins. 1997 , 7, 233-41 | | 76 |
| 166 | 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. 1997 , 247, 470-5 | | 58 |
| 165 | Dietary iron intake modulates the activity of iron regulatory proteins and the abundance of ferritin and mitochondrial aconitase in rat liver. 1997 , 127, 238-48 | | 90 |
| 164 | Regulation of expression of ferritin H-chain and transferrin receptor by protoporphyrin IX. 1997 , 250, 764-72 | | 5 |
| 163 | Iron-loading of cultured adult rat hepatocytes reversibly enhances lactoferrin binding and endocytosis. 1997 , 171, 75-86 | | 16 |
| 162 | Description and analysis of switchlike regulatory networks exemplified by a model of cellular iron homeostasis. 1998 , 195, 339-50 | | 14 |
| 161 | <i>Drosophila</i> ferritin mRNA: alternative RNA splicing regulates the presence of the iron-responsive element. 1998 , 436, 476-82 | | 43 |
| 160 | Translational control by repressor proteins binding to the 5' UTR of mRNAs. 1998 , 77, 379-97 | | 15 |
| 159 | Nitric oxide and peroxynitrite-dependent aconitase inactivation and iron-regulatory protein-1 activation in mammalian fibroblasts. <i>Archives of Biochemistry and Biophysics</i> , 1998 , 359, 215-24 | 4.1 | 89 |

| | | | |
|-----|---|------|-----|
| 158 | Protein Synthesis. 1998 , | | 1 |
| 157 | Systematic genomic screening and analysis of mRNA in untranslated regions and mRNA precursors: combining experimental and computational approaches. 1998 , 14, 271-8 | | 21 |
| 156 | Control of translation initiation in animals. 1998 , 14, 399-458 | | 447 |
| 155 | Iron differentially stimulates translation of mitochondrial aconitase and ferritin mRNAs in mammalian cells. Implications for iron regulatory proteins as regulators of mitochondrial citrate utilization. <i>Journal of Biological Chemistry</i> , 1998 , 273, 3740-6 | 5-4 | 69 |
| 154 | Involvement of heme in the degradation of iron-regulatory protein 2. <i>Journal of Biological Chemistry</i> , 1998 , 273, 12555-7 | 5-4 | 39 |
| 153 | Translational regulation of mRNAs with distinct IRE sequences by iron regulatory proteins 1 and 2. <i>Journal of Biological Chemistry</i> , 1998 , 273, 1821-4 | 5-4 | 44 |
| 152 | Molecular genetics of succinate:quinone oxidoreductase in eukaryotes. 1998 , 60, 267-315 | | 85 |
| 151 | Iron regulatory proteins, iron responsive elements and iron homeostasis. 1998 , 128, 2295-8 | | 125 |
| 150 | Dietary iron intake rapidly influences iron regulatory proteins, ferritin subunits and mitochondrial aconitase in rat liver. 1998 , 128, 525-35 | | 41 |
| 149 | The secondary alcohol metabolite of doxorubicin irreversibly inactivates aconitase/iron regulatory protein-1 in cytosolic fractions from human myocardium. 1998 , 12, 541-52 | | 127 |
| 148 | Characterization of the translation-dependent step during iron-regulated decay of transferrin receptor mRNA. <i>Journal of Biological Chemistry</i> , 1999 , 274, 16611-8 | 5-4 | 9 |
| 147 | Structure and regulated expression of the delta-aminolevulinate synthase gene from <i>Drosophila melanogaster</i> . <i>Journal of Biological Chemistry</i> , 1999 , 274, 37321-8 | 5-4 | 25 |
| 146 | Ligand-induced structural alterations in human iron regulatory protein-1 revealed by protein footprinting. <i>Journal of Biological Chemistry</i> , 1999 , 274, 15052-8 | 5-4 | 22 |
| 145 | Mitochondrial disease in superoxide dismutase 2 mutant mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 846-51 | 11.5 | 488 |
| 144 | Iron-sulfur clusters: Formation, perturbation, and physiological functions. 1999 , 37, 87-97 | | 38 |
| 143 | Nitrosative and oxidative modulation of iron regulatory proteins. 1999 , 55, 1043-53 | | 33 |
| 142 | Stress genes and species survival. 1999 , 196, 117-123 | | 10 |
| 141 | A putative iron regulatory protein (IRP)-encoding cDNA sequence in the ciliate <i>Eufolliculina uhligi</i> , and differential gene expression during the life cycle. 1999 , 35, 217-224 | | 1 |

| | | | |
|-----|--|------|-----|
| 140 | RNA Biochemistry and Biotechnology. 1999 , | | 4 |
| 139 | An atypical iron-responsive element (IRE) within crayfish ferritin mRNA and an iron regulatory protein 1 (IRP1)-like protein from crayfish hepatopancreas. <i>Insect Biochemistry and Molecular Biology</i> , 1999 , 29, 1-9 | 4.5 | 27 |
| 138 | Iron-regulatory proteins, iron-responsive elements and ferritin mRNA translation. 1999 , 31, 1139-52 | | 184 |
| 137 | Post-transcriptional control via iron-responsive elements: the impact of aberrations in hereditary disease. 1999 , 437, 219-30 | | 32 |
| 136 | Comparison of the beluga whale (<i>Delphinapterus leucas</i>) expressed genes for 5-aminolevulinate synthase with those in other vertebrates. 1999 , 123, 163-74 | | |
| 135 | Nitric oxide in bacteria: synthesis and consumption. 1999 , 1411, 456-74 | | 105 |
| 134 | Iron-dependent changes in cellular energy metabolism: influence on citric acid cycle and oxidative phosphorylation. 1999 , 1413, 99-107 | | 173 |
| 133 | Molecular cloning of mouse glycolate oxidase. High evolutionary conservation and presence of an iron-responsive element-like sequence in the mRNA. <i>Journal of Biological Chemistry</i> , 1999 , 274, 2401-7 | 5.4 | 46 |
| 132 | Regulation of Genes of Iron Metabolism by the Iron-Response Proteins. 1999 , 318, 230-240 | | 35 |
| 131 | Ribosomal pausing and scanning arrest as mechanisms of translational regulation from cap-distal iron-responsive elements. 1999 , 19, 807-16 | | 50 |
| 130 | Phylogenetic analysis of the 5-aminolevulinate synthase gene. 1999 , 16, 383-96 | | 22 |
| 129 | Iron regulatory proteins in pathobiology. <i>Biochemical Journal</i> , 2000 , 352, 241 | 3.8 | 94 |
| 128 | Aconitase activity and expression during the development of lemon fruit. <i>Physiologia Plantarum</i> , 2000 , 108, 255-262 | 4.6 | 95 |
| 127 | Iron regulatory proteins in pathobiology. <i>Biochemical Journal</i> , 2000 , 352, 241-250 | 3.8 | 225 |
| 126 | Down-regulation of iron regulatory protein 1 gene expression by nitric oxide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 6550-5 | 11.5 | 43 |
| 125 | Nitric Oxide, Oxygen Radicals, and Iron Metabolism. 2000 , 293-313 | | 9 |
| 124 | Thyrotropin-releasing hormone and epidermal growth factor regulate iron-regulatory protein binding in pituitary cells via protein kinase C-dependent and -independent signaling pathways. <i>Journal of Biological Chemistry</i> , 2000 , 275, 31609-15 | 5.4 | 36 |
| 123 | Iron regulatory proteins and the molecular control of mammalian iron metabolism. 2000 , 20, 627-62 | | 546 |

| | | | |
|-----|---|------|-----|
| 122 | Ferritin acts as the most abundant binding protein for snowdrop lectin in the midgut of rice brown planthoppers (<i>Nilaparvata lugens</i>). <i>Insect Biochemistry and Molecular Biology</i> , 2000 , 30, 297-305 | 4.5 | 60 |
| 121 | Iron: deficiencies and requirements. 2001 , 55, 324-32 | | 81 |
| 120 | Chemistry and biology of eukaryotic iron metabolism. 2001 , 33, 940-59 | | 546 |
| 119 | An IRP-like protein from <i>Plasmodium falciparum</i> binds to a mammalian iron-responsive element. <i>Blood</i> , 2001 , 98, 2555-62 | 2.2 | 31 |
| 118 | Pumping iron: the strange partnership of the hemochromatosis protein, a class I MHC homolog, with the transferrin receptor. 2001 , 2, 167-74 | | 31 |
| 117 | Polyphyletic origins of bacterial Nramp transporters. 2001 , 17, 365-70 | | 74 |
| 116 | Modulation of cellular iron metabolism by hydrogen peroxide. Effects of H ₂ O ₂ on the expression and function of iron-responsive element-containing mRNAs in B6 fibroblasts. <i>Journal of Biological Chemistry</i> , 2001 , 276, 19738-45 | 5.4 | 96 |
| 115 | Mitochondrial aconitase binds to the 3' untranslated region of the mouse hepatitis virus genome. 2001 , 75, 3352-62 | | 50 |
| 114 | Regulation of the 75-kDa subunit of mitochondrial complex I by iron. <i>Journal of Biological Chemistry</i> , 2001 , 276, 27685-92 | 5.4 | 43 |
| 113 | The hairpin loop but not the bulged C of the iron responsive element is essential for high affinity binding to iron regulatory protein-1. <i>Journal of Biological Chemistry</i> , 2001 , 276, 14791-6 | 5.4 | 24 |
| 112 | Recycling of RNA binding iron regulatory protein 1 into an aconitase after nitric oxide removal depends on mitochondrial ATP. <i>Journal of Biological Chemistry</i> , 2002 , 277, 31220-7 | 5.4 | 36 |
| 111 | Novel translational control through an iron-responsive element by interaction of multifunctional protein YB-1 and IRP2. 2002 , 22, 6375-83 | | 52 |
| 110 | RNA interference-mediated silencing of <i>Sod2</i> in <i>Drosophila</i> leads to early adult-onset mortality and elevated endogenous oxidative stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 16162-7 | 11.5 | 175 |
| 109 | Cloning and molecular characterization of two mosquito iron regulatory proteins. <i>Insect Biochemistry and Molecular Biology</i> , 2002 , 32, 579-89 | 4.5 | 27 |
| 108 | Iron metabolism in insects. 2002 , 47, 535-59 | | 232 |
| 107 | Regulation of xanthine oxidoreductase by intracellular iron. 2002 , 283, C1722-8 | | 16 |
| 106 | Iron deficiency decreases mitochondrial aconitase abundance and citrate concentration without affecting tricarboxylic acid cycle capacity in rat liver. 2002 , 132, 643-51 | | 18 |
| 105 | MRNA stability and the control of gene expression: implications for human disease. 2002 , 27, 957-80 | | 156 |

| | | | |
|-----|---|------|-----|
| 104 | Ferritin regulation by oxidants and chemopreventive xenobiotics. 2003 , 43, 135-51 | | 11 |
| 103 | Function and structure of complex II of the respiratory chain. 2003 , 72, 77-109 | | 338 |
| 102 | Cytosolic aconitase and ferritin are regulated by iron in <i>Caenorhabditis elegans</i> . <i>Journal of Biological Chemistry</i> , 2003 , 278, 3227-34 | 5.4 | 53 |
| 101 | A software tool-box for analysis of regulatory RNA elements. <i>Nucleic Acids Research</i> , 2003 , 31, 3441-5 | 20.1 | 29 |
| 100 | Relationships and distinctions in iron-regulatory networks responding to interrelated signals. <i>Blood</i> , 2003 , 101, 3690-8 | 2.2 | 55 |
| 99 | Novel roles for iron regulatory proteins in the adaptive response to iron deficiency. 2003 , 133, 1510S-6S | | 52 |
| 98 | Modulation of iron on mitochondrial aconitase expression in human prostatic carcinoma cells. <i>Molecular and Cellular Biochemistry</i> , 2004 , 265, 185-94 | 4.2 | 12 |
| 97 | Iron metabolism and the IRE/IRP regulatory system: an update. 2004 , 1012, 1-13 | | 356 |
| 96 | Modulation of mitochondrial aconitase on the bioenergy of human prostate carcinoma cells. 2004 , 81, 244-52 | | 23 |
| 95 | Cyclic adenosine 3',5'-monophosphate mediate prolactin regulation of mitochondrial aconitase in human prostate carcinoma cells. 2004 , 219, 141-9 | | 5 |
| 94 | Genome wide analysis of common and specific stress responses in adult drosophila melanogaster. 2004 , 5, 74 | | 146 |
| 93 | Succinate dehydrogenase deficiency in human. 2005 , 62, 2317-24 | | 60 |
| 92 | Mitochondrial cysteine desulfurase iron-sulfur cluster S and aconitase are post-transcriptionally regulated by dietary iron in skeletal muscle of rats. 2005 , 135, 2151-8 | | 10 |
| 91 | Ferritin. 2005 , 341-356 | | |
| 90 | Mitochondrial enzyme content in the muscles of high-performance fish: evolution and variation among fiber types. 2005 , 288, R163-72 | | 36 |
| 89 | RNAi-mediated suppression of the mitochondrial iron chaperone, frataxin, in <i>Drosophila</i> . 2005 , 14, 3397-405 | | 116 |
| 88 | [Advances in iron metabolism: a transition state]. 2005 , 26, 315-24 | | 8 |
| 87 | A novel iron responsive element in the 3'UTR of human MRCKalpha. 2006 , 341, 158-66 | | 57 |

| | | | |
|----|---|-----|-----|
| 86 | Secreted ferritin: mosquito defense against iron overload?. <i>Insect Biochemistry and Molecular Biology</i> , 2006 , 36, 177-87 | 4.5 | 25 |
| 85 | Effect of soluble nickel on cellular energy metabolism in A549 cells. 2006 , 231, 1474-80 | | 30 |
| 84 | The role of iron regulatory proteins in mammalian iron homeostasis and disease. 2006 , 2, 406-14 | | 758 |
| 83 | Molecular control of vertebrate iron homeostasis by iron regulatory proteins. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2006 , 1763, 668-89 | 4.9 | 213 |
| 82 | Of two cytosolic aconitases expressed in Drosophila, only one functions as an iron-regulatory protein. <i>Journal of Biological Chemistry</i> , 2006 , 281, 18707-14 | 5.4 | 47 |
| 81 | Involvement of mitochondrial complex II defects in neuronal death produced by N-terminus fragment of mutated huntingtin. 2006 , 17, 1652-63 | | 203 |
| 80 | Bacillus subtilis aconitase is required for efficient late-sporulation gene expression. 2006 , 188, 6396-405 | | 45 |
| 79 | Iron regulation and the cell cycle: identification of an iron-responsive element in the 3' untranslated region of human cell division cycle 14A mRNA by a refined microarray-based screening strategy. <i>Journal of Biological Chemistry</i> , 2006 , 281, 22865-74 | 5.4 | 85 |
| 78 | Evolution of the iron-responsive element. 2007 , 13, 952-66 | | 117 |
| 77 | Iron-dependent RNA-binding activity of Mycobacterium tuberculosis aconitase. 2007 , 189, 4046-52 | | 74 |
| 76 | Iron-regulatory proteins limit hypoxia-inducible factor-2alpha expression in iron deficiency. 2007 , 14, 420-6 | | 213 |
| 75 | Iron-shortage-induced increase in citric acid content and reduction of cytosolic aconitase activity in Citrus fruit vesicles and calli. <i>Physiologia Plantarum</i> , 2007 , 131, 72-9 | 4.6 | 35 |
| 74 | Metabolic regulation of citrate and iron by aconitases: role of iron-sulfur cluster biogenesis. <i>BioMetals</i> , 2007 , 20, 549-64 | 3.4 | 100 |
| 73 | Differential translational regulation of IRE-containing mRNAs in Drosophila melanogaster by endogenous IRP and a constitutive human IRP1 mutant. <i>Insect Biochemistry and Molecular Biology</i> , 2008 , 38, 891-4 | 4.5 | 10 |
| 72 | The biochemistry of heme biosynthesis. <i>Archives of Biochemistry and Biophysics</i> , 2008 , 474, 238-51 | 4.1 | 228 |
| 71 | Iron-independent phosphorylation of iron regulatory protein 2 regulates ferritin during the cell cycle. <i>Journal of Biological Chemistry</i> , 2008 , 283, 23589-98 | 5.4 | 15 |
| 70 | Diverse RNA-binding proteins interact with functionally related sets of RNAs, suggesting an extensive regulatory system. <i>PLoS Biology</i> , 2008 , 6, e255 | 9.7 | 442 |
| 69 | Involvement of fumarase C and NADH oxidase in metabolic adaptation of Pseudomonas fluorescens cells evoked by aluminum and gallium toxicity. <i>Applied and Environmental Microbiology</i> , 2008 , 74, 3977-84 | 4.8 | 42 |

| | | | |
|----|---|------|-----|
| 68 | Iron and gene expression: molecular mechanisms regulating cellular iron homeostasis. <i>Nutrition Reviews</i> , 1998 , 56, s11-9; discussion s54-75 | 6.4 | 28 |
| 67 | Heterogeneity of nervous system mitochondria: location, location, location!. <i>Experimental Neurology</i> , 2009 , 218, 293-307 | 5.7 | 49 |
| 66 | The effects of environmental salinity on trunk kidney proteome of juvenile ayu (<i>Plecoglossus altivelis</i>). <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2009 , 4, 263-267 | 2 | 6 |
| 65 | Response to the increase of oxidative stress and mutation of mitochondrial DNA in aging. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2009 , 1790, 1021-9 | 4 | 70 |
| 64 | Living with iron (and oxygen): questions and answers about iron homeostasis. <i>Chemical Reviews</i> , 2009 , 109, 4568-79 | 68.1 | 189 |
| 63 | SIREs: searching for iron-responsive elements. <i>Nucleic Acids Research</i> , 2010 , 38, W360-7 | 20.1 | 57 |
| 62 | Iron regulatory proteins: from molecular mechanisms to drug development. <i>Antioxidants and Redox Signaling</i> , 2010 , 13, 1593-616 | 8.4 | 92 |
| 61 | Mitochondria in Huntington [®] disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2010 , 1802, 52-61 | 6.9 | 202 |
| 60 | Iron regulatory protein-1 and -2: transcriptome-wide definition of binding mRNAs and shaping of the cellular proteome by iron regulatory proteins. <i>Blood</i> , 2011 , 118, e168-79 | 2.2 | 84 |
| 59 | Regulation of iron pathways in response to hypoxia. <i>Free Radical Biology and Medicine</i> , 2011 , 50, 645-66 | 7.8 | 79 |
| 58 | Two covariance models for iron-responsive elements. <i>RNA Biology</i> , 2011 , 8, 792-801 | 4.8 | 9 |
| 57 | Mammalian iron metabolism and its control by iron regulatory proteins. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2012 , 1823, 1468-83 | 4.9 | 303 |
| 56 | Regulation of zinc-responsive Slc39a5 (Zip5) translation is mediated by conserved elements in the 3' untranslated region. <i>BioMetals</i> , 2012 , 25, 319-35 | 3.4 | 28 |
| 55 | Abnormal body iron distribution and erythropoiesis in a novel mouse model with inducible gain of iron regulatory protein (IRP)-1 function. <i>Journal of Molecular Medicine</i> , 2013 , 91, 871-81 | 5.5 | 13 |
| 54 | The effect of bacterial challenge on ferritin regulation in the yellow fever mosquito, <i>Aedes aegypti</i> . <i>Insect Science</i> , 2013 , 20, 601-19 | 3.6 | 15 |
| 53 | Iron absorption in <i>Drosophila melanogaster</i> . <i>Nutrients</i> , 2013 , 5, 1622-47 | 6.7 | 62 |
| 52 | Rapid kinetics of iron responsive element (IRE) RNA/iron regulatory protein 1 and IRE-RNA/eIF4F complexes respond differently to metal ions. <i>Nucleic Acids Research</i> , 2014 , 42, 6567-77 | 20.1 | 17 |
| 51 | Electrophoretic mobility shift assay (EMSA) for the study of RNA-protein interactions: the IRE/IRP example. <i>Journal of Visualized Experiments</i> , 2014 , | 1.6 | 13 |

| | | | |
|----|---|------|----|
| 50 | Catecholamine stress hormones regulate cellular iron homeostasis by a posttranscriptional mechanism mediated by iron regulatory protein: implication in energy homeostasis. <i>Journal of Biological Chemistry</i> , 2015 , 290, 7634-46 | 5.4 | 13 |
| 49 | Isolation and functional analysis of MdCS1: a gene encoding a citrate synthase in <i>Malus domestica</i> (L.) Borkh. <i>Plant Growth Regulation</i> , 2015 , 75, 209-218 | 3.2 | 10 |
| 48 | Isolation and Preliminary Functional Analysis of MxCS2: a Gene Encoding a Citrate Synthase in <i>Malus xiaojinensis</i> . <i>Plant Molecular Biology Reporter</i> , 2015 , 33, 133-142 | 1.7 | 15 |
| 47 | Mechanisms of an increased level of serum iron in gamma-irradiated mice. <i>Radiation and Environmental Biophysics</i> , 2016 , 55, 81-8 | 2 | 14 |
| 46 | Cell-surface G-protein-coupled receptors for tumor-associated metabolites: A direct link to mitochondrial dysfunction in cancer. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2017 , 1868, 246-257 | 11.2 | 35 |
| 45 | Isolation and functional analysis of MxCS3: a gene encoding a citrate synthase in <i>Malus xiaojinensis</i> , with functions in tolerance to iron stress and abnormal flower in transgenic <i>Arabidopsis thaliana</i> . <i>Plant Growth Regulation</i> , 2017 , 82, 479-489 | 3.2 | 15 |
| 44 | Cellular citrate levels establish a regulatory link between energy metabolism and the hepatic iron hormone hepcidin. <i>Journal of Molecular Medicine</i> , 2017 , 95, 851-860 | 5.5 | 6 |
| 43 | Functional characterization of a novel non-coding mutation "Ghent +49A > G" in the iron-responsive element of L-ferritin causing hereditary hyperferritinaemia-cataract syndrome. <i>Scientific Reports</i> , 2017 , 7, 18025 | 4.9 | 4 |
| 42 | Ferritin. 2017 , | | |
| 41 | Iron Sulfur and Molybdenum Cofactor Enzymes Regulate the Life Cycle by Controlling Cell Metabolism. <i>Frontiers in Physiology</i> , 2018 , 9, 50 | 4.6 | 26 |
| 40 | Silencing of Iron and Heme-Related Genes Revealed a Paramount Role of Iron in the Physiology of the Hematophagous Vector. <i>Frontiers in Genetics</i> , 2018 , 9, 19 | 4.5 | 15 |
| 39 | Hyperconserved Elements in Human 5'UTRs Shape Essential Post-transcriptional Regulatory Networks. <i>Frontiers in Molecular Biosciences</i> , 2020 , 7, 220 | 5.6 | 3 |
| 38 | A versatile toolkit for CRISPR-Cas13-based RNA manipulation in <i>Drosophila</i> . <i>Genome Biology</i> , 2020 , 21, 279 | 18.3 | 23 |
| 37 | The Effects of Early-Life Iron Deficiency on Brain Energy Metabolism. <i>Neuroscience Insights</i> , 2020 , 15, 2633105520935104 | 3 | 13 |
| 36 | Iron Regulatory Protein 2 Exerts its Oncogenic Activities by Suppressing TAp63 Expression. <i>Molecular Cancer Research</i> , 2020 , 18, 1039-1049 | 6.6 | 6 |
| 35 | Metal-metal interaction and metal toxicity: a comparison between mammalian and. <i>Xenobiotica</i> , 2021 , 51, 842-851 | 2 | 1 |
| 34 | Conservation in the Iron Responsive Element Family. <i>Genes</i> , 2021 , 12, | 4.2 | 1 |
| 33 | The Iron Responsive Element (IRE), the Iron Regulatory Protein (IRP), and Cytosolic Aconitase. 1998 , 157-216 | | 12 |

| | | | |
|----|---|-----|----|
| 32 | Mechanisms for posttranscriptional regulation by iron-responsive elements and iron regulatory proteins. <i>Progress in Molecular and Subcellular Biology</i> , 1997 , 18, 93-115 | 3 | 11 |
| 31 | Redox Modulation of Iron Regulatory Proteins by Nitric Oxide and Peroxynitrite. 2000 , 315-328 | | 2 |
| 30 | Differential translational control of 5QRE-containing mRNA in response to dietary iron deficiency and acute iron overload. <i>Metallomics</i> , 2020 , 12, 2186-2198 | 4-5 | 3 |
| 29 | An homeotic post-transcriptional network controlled by the RNA-binding protein RBMX. | | 1 |
| 28 | Soluble Transferrin Receptor. 2001 , 413-424 | | |
| 27 | Iron-Responsive Elements (IRE). | | |
| 26 | References. 2002 , 187-223 | | |
| 25 | Post-Transcriptional Regulation of Iron Metabolism. <i>Growth Hormone</i> , 2002 , 213-224 | | |
| 24 | Regulation of Iron Metabolism in Mammalian Cells. 2012 , 51-62 | | 1 |
| 23 | Functional RNA Interactions. 1998 , 133-163 | | |
| 22 | Instances of Functional RNA (An Overview). 1998 , 19-84 | | |
| 21 | Mechanisms for Induction and Rerepression of Ferritin Synthesis. 1998 , 217-230 | | 1 |
| 20 | Experimental Identification of New Functional RNA. 1998 , 85-104 | | |
| 19 | Areas of Research on Regulatory RNA and Functional RNA Motifs. 1998 , 165-220 | | |
| 18 | Complex II or Succinate: Quinone Oxidoreductase and Pathology. 1999 , 87-95 | | 1 |
| 17 | Stress genes and species survival. 1999 , 117-123 | | |
| 16 | The IRE Model for Families of RNA Structures. 1999 , 241-247 | | |
| 15 | Targeting Alternative Splicing in Human Genetic Disease. 2014 , 347-374 | | |

| | | | |
|----|--|-----|----|
| 14 | A versatile toolkit for CRISPR-Cas13-based RNA manipulation in <i>Drosophila</i> . | | |
| 13 | Non-mitochondrial aconitase regulates the expression of iron-uptake genes by controlling the RNA turnover process in fission yeast. <i>Journal of Microbiology</i> , 2021 , 59, 1075-1082 | 3 | |
| 12 | Iron regulatory proteins in pathobiology. <i>Biochemical Journal</i> , 2000 , 352 Pt 2, 241-50 | 3.8 | 39 |
| 11 | Rethinking IRPs/IRE system in neurodegenerative disorders: Looking beyond iron metabolism. <i>Ageing Research Reviews</i> , 2021 , 73, 101511 | 12 | 0 |
| 10 | Stress genes and species survival. <i>Molecular and Cellular Biochemistry</i> , 1999 , 196, 117-23 | 4.2 | 2 |
| 9 | Iron Regulatory Protein 1 Inhibits Ferritin Translation Responding to OsHV-1 Infection in Ark Clams, .. <i>Cells</i> , 2022 , 11, | 7.9 | 1 |
| 8 | Modelling Metabolic Shifts during Cardiomyocyte Differentiation, Iron Deficiency and Transferrin Rescue Using Human Pluripotent Stem Cells.. <i>Metabolites</i> , 2021 , 12, | 5.6 | 1 |
| 7 | Image_1.PDF. 2020 , | | |
| 6 | Image_2.PDF. 2020 , | | |
| 5 | Image_3.PDF. 2020 , | | |
| 4 | Image_4.PDF. 2020 , | | |
| 3 | Table_1.XLSX. 2020 , | | |
| 2 | Thirteen dubious ways to detect conserved structural RNAs. | | 0 |
| 1 | Iron-dependent post transcriptional control of mitochondrial aconitase expression. 2023 , 15, | | 0 |