

# Bone morphogenetic protein signaling by hemojuvelin

Nature Genetics

38, 531-539

DOI: [10.1038/ng1777](https://doi.org/10.1038/ng1777)

Citation Report

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 4  | Mutations of TGF $\beta$ signaling molecules in human disease. <i>Annals of Medicine</i> , 2006, 38, 403-414.  | 1.5 | 80        |
| 5  | Juvenile hemochromatosis. <i>Journal of Hepatology</i> , 2006, 45, 892-894.  | 1.8 | 16        |
| 6  | Interleukin-6 induces hepcidin expression through STAT3. <i>Blood</i> , 2006, 108, 3204-3209.  | 0.6 | 782       |
| 7  | Regulating the master iron regulator hepcidin. <i>Blood</i> , 2006, 108, 2890-2891.  | 0.6 | 3         |
| 8  | Iron metabolism meets signal transduction. <i>Nature Genetics</i> , 2006, 38, 503-504.   | 9.4 | 36        |
| 9  | A broad band of silence. <i>Nature Genetics</i> , 2006, 38, 504-506.   | 9.4 | 15        |
| 10 | Molecular and clinical aspects of iron homeostasis: from anemia to hemochromatosis. <i>Wiener Klinische Wochenschrift</i> , 2006, 118, 442-462.  | 1.0 | 46        |
| 11 | Hereditary hemochromatosis. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2006, 1763, 700-710.  | 1.9 | 88        |
| 12 | Brain Iron Metabolism. <i>Seminars in Pediatric Neurology</i> , 2006, 13, 142-148.   | 1.0 | 238       |
| 13 | Heritability of Serum Iron, Ferritin and Transferrin Saturation in a Genetically Isolated Population, the Erasmus Rucphen Family (ERF) Study. <i>Human Heredity</i> , 2006, 61, 222-228.   | 0.4 | 37        |
| 14 | Bone morphogenetic proteins 2, 4, and 9 stimulate murine hepcidin 1 expression independently of Hfe, transferrin receptor 2 (Tfr2), and IL-6. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 10289-10293. | 3.3 | 284       |
| 15 | Complex biosynthesis of the muscle-enriched iron regulator RGMc. <i>Journal of Cell Science</i> , 2006, 119, 3273-3283.  | 1.2 | 57        |
| 16 | Hepcidin and Its Role in Regulating Systemic Iron Metabolism. <i>Hematology American Society of Hematology Education Program</i> , 2006, 2006, 29-35.  | 0.9 | 169       |
| 17 | Molecular Control of Iron Transport. <i>Journal of the American Society of Nephrology: JASN</i> , 2007, 18, 394-400.   | 3.0 | 293       |
| 18 | Repulsive Guidance Molecule RGMA Alters Utilization of Bone Morphogenetic Protein (BMP) Type II Receptors by BMP2 and BMP4. <i>Journal of Biological Chemistry</i> , 2007, 282, 18129-18140.   | 1.6 | 91        |
| 19 | Neogenin-RGMA Signaling at the Growth Cone Is Bone Morphogenetic Protein-independent and Involves RhoA, ROCK, and PKC. <i>Journal of Biological Chemistry</i> , 2007, 282, 16423-16433.  | 1.6 | 77        |
| 20 | Liver and Iron Metabolism - A Comprehensive Hypothesis for the Pathogenesis of Genetic Hemochromatosis. <i>Zeitschrift Fur Gastroenterologie</i> , 2007, 45, 71-75.  | 0.2 | 6         |
| 21 | Evidence That Inhibition of Hemojuvelin Shedding in Response to Iron Is Mediated through Neogenin. <i>Journal of Biological Chemistry</i> , 2007, 282, 12547-12556.  | 1.6 | 106       |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 22 | Hepcidin regulation: ironing out the details. <i>Journal of Clinical Investigation</i> , 2007, 117, 1755-1758.   | 3.9 | 125       |
| 23 | Iron transferrin regulates hepcidin synthesis in primary hepatocyte culture through hemojuvelin and BMP2/4. <i>Blood</i> , 2007, 110, 2182-2189.   | 0.6 | 235       |
| 24 | STAT3 mediates hepatic hepcidin expression and its inflammatory stimulation. <i>Blood</i> , 2007, 109, 353-358.  | 0.6 | 485       |
| 25 | Defective targeting of hemojuvelin to plasma membrane is a common pathogenetic mechanism in juvenile hemochromatosis. <i>Blood</i> , 2007, 109, 4503-4510.   | 0.6 | 78        |
| 26 | Effect of the new HJV-L165X mutation on penetrance of HFE. <i>Blood</i> , 2007, 109, 5525-5526.  | 0.6 | 26        |
| 27 | Crypt cell hypothesis: technical knock-out. <i>Blood</i> , 2007, 109, 4114-4115.   | 0.6 | 0         |
| 28 | Inherited metabolic disease of the liver. <i>Current Opinion in Gastroenterology</i> , 2007, 23, 237-243.  | 1.0 | 15        |
| 29 | Iron Metabolism in Children: Confounding Factors. <i>Food and Nutrition Bulletin</i> , 2007, 28, S510-S514.  | 0.5 | 3         |
| 30 | The Regulation of Cellular Iron Metabolism. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2007, 44, 413-459.   | 2.7 | 143       |
| 31 | Effect of phlebotomy on hepcidin expression in hemojuvelin-mutant mice. <i>Blood Cells, Molecules, and Diseases</i> , 2007, 39, 92-95.   | 0.6 | 17        |
| 32 | The role of STAT, AP-1, E-box and TIEG motifs in the regulation of hepcidin by IL-6 and BMP-9: Lessons from human HAMP and murine Hamp1 and Hamp2 gene promoters. <i>Blood Cells, Molecules, and Diseases</i> , 2007, 39, 255-262. | 0.6 | 30        |
| 33 | Characterization of virus/double-stranded RNA-dependent induction of antimicrobial peptide hepcidin in trout macrophages. <i>Developmental and Comparative Immunology</i> , 2007, 31, 1297-1309.                                   | 1.0 | 39        |
| 34 | Iron-independent specific protein expression pattern in the liver of HFE-deficient mice. <i>International Journal of Biochemistry and Cell Biology</i> , 2007, 39, 1006-1015.  | 1.2 | 12        |
| 37 | Haemochromatosis. <i>Lancet, The</i> , 2007, 370, 1855-1860.   | 6.3 | 178       |
| 38 | Common Variants in the BMP2, BMP4, and HJV Genes of the Hepcidin Regulation Pathway Modulate HFE Hemochromatosis Penetrance. <i>American Journal of Human Genetics</i> , 2007, 81, 799-807.  | 2.6 | 120       |
| 39 | Ineffective erythropoiesis in $\beta^2$ -thalassemia is characterized by increased iron absorption mediated by down-regulation of hepcidin and up-regulation of ferroportin. <i>Blood</i> , 2007, 109, 5027-5035.                  | 0.6 | 277       |
| 40 | STAT3 Is Required for IL-6-gp130-Dependent Activation of Hepcidin In Vivo. <i>Gastroenterology</i> , 2007, 132, 294-300.   | 0.6 | 279       |
| 41 | Hepcidin Activation During Inflammation: Make It STAT. <i>Gastroenterology</i> , 2007, 132, 447-449.   | 0.6 | 30        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 42 | Role of alcohol in the regulation of iron metabolism. <i>World Journal of Gastroenterology</i> , 2007, 13, 4925.  | 1.4  | 123       |
| 43 | Mechanisms of iron loading and toxicity. <i>American Journal of Hematology</i> , 2007, 82, 1128-1131.   | 2.0  | 109       |
| 44 | The nexus of iron and inflammation in hepcidin regulation: SMADs, STATs, and ECSIT. <i>Hepatology</i> , 2007, 45, 253-256.  | 3.6  | 21        |
| 45 | Hemochromatosis: An endocrine liver disease. <i>Hepatology</i> , 2007, 46, 1291-1301.   | 3.6  | 193       |
| 46 | A silent H-bond can be mutationally activated for high-affinity interaction of BMP-2 and activin type IIB receptor. <i>BMC Structural Biology</i> , 2007, 7, 6.                           | 2.3  | 129       |
| 47 | Role of RGM coreceptors in bone morphogenetic protein signaling. <i>Journal of Molecular Signaling</i> , 2007, 2, 4.  | 0.5  | 47        |
| 48 | Genetic variation in Mon1a affects protein trafficking and modifies macrophage iron loading in mice. <i>Nature Genetics</i> , 2007, 39, 1025-1032.  | 9.4  | 61        |
| 49 | Diseased red blood cells topple iron balance. <i>Nature Medicine</i> , 2007, 13, 1020-1021.   | 15.2 | 2         |
| 50 | A skeleton key to metabolism. <i>Nature Medicine</i> , 2007, 13, 1021-1023.   | 15.2 | 19        |
| 51 | High levels of GDF15 in thalassemia suppress expression of the iron regulatory protein hepcidin. <i>Nature Medicine</i> , 2007, 13, 1096-1101.  | 15.2 | 743       |
| 52 | Molecular regulation of hepatic expression of iron regulatory hormone hepcidin. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2007, 22, 1378-1387.                      | 1.4  | 18        |
| 53 | Different regulatory elements are required for response of hepcidin to interleukin-6 and bone morphogenetic proteins 4 and 9. <i>British Journal of Haematology</i> , 2007, 139, 138-147. | 1.2  | 65        |
| 54 | Review article: the genetic basis of haemochromatosis. <i>Alimentary Pharmacology and Therapeutics</i> , 2007, 26, 331-342.   | 1.9  | 26        |
| 55 | Effects of iron loading on muscle: genome-wide mRNA expression profiling in the mouse. <i>BMC Genomics</i> , 2007, 8, 379.  | 1.2  | 40        |
| 56 | Neogenin and repulsive guidance molecule signaling in the central nervous system. <i>Current Opinion in Neurobiology</i> , 2007, 17, 29-34.   | 2.0  | 62        |
| 57 | Hepcidin ? central regulator of iron metabolism. <i>European Journal of Haematology</i> , 2007, 78, 1-10.   | 1.1  | 97        |
| 58 | Iron uptake and metabolism in the new millennium. <i>Trends in Cell Biology</i> , 2007, 17, 93-100.   | 3.6  | 343       |
| 59 | Transferrin receptor 2 is emerging as a major player in the control of iron metabolism. <i>Open Life Sciences</i> , 2007, 2, 34-55.   | 0.6  | 3         |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 60 | Iron Homeostasis. Annual Review of Physiology, 2007, 69, 69-85.   | 5.6  | 557       |
| 61 | Molecular Evolution of Hemojuvelin and the Repulsive Guidance Molecule Family. Journal of Molecular Evolution, 2007, 65, 68-81.   | 0.8  | 23        |
| 62 | Regulation of systemic iron homeostasis: how the body responds to changes in iron demand. BioMetals, 2007, 20, 665-674.   | 1.8  | 64        |
| 63 | A bone morphogenetic protein (BMP)-responsive element in the hepcidin promoter controls HFE2-mediated hepatic hepcidin expression and its response to IL-6 in cultured cells. Journal of Molecular Medicine, 2008, 86, 531-540.                         | 1.7  | 121       |
| 64 | Kupffer cells modulate iron homeostasis in mice via regulation of hepcidin expression. Journal of Molecular Medicine, 2008, 86, 825-835.  | 1.7  | 51        |
| 65 | Pro-protein convertases control the maturation and processing of the iron-regulatory protein, RGMc/hemojuvelin. BMC Biochemistry, 2008, 9, 9.   | 4.4  | 35        |
| 66 | The genetics of essential metal homeostasis during development. Genesis, 2008, 46, 214-228.   | 0.8  | 117       |
| 68 | Iron overload in myelodysplastic syndromes: A Canadian consensus guideline. Leukemia Research, 2008, 32, 1338-1353.   | 0.4  | 49        |
| 69 | Current approach to hemochromatosis. Blood Reviews, 2008, 22, 195-210.  | 2.8  | 110       |
| 70 | Secretion of bioactive hepcidin-25 by liver cells correlates with its gene transcription and points towards synergism between iron and inflammation signaling pathways. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2008, 1784, 2029-2037. | 1.1  | 29        |
| 71 | Oxidative Stress and Iron Homeostasis: Mechanistic and Health Aspects. Critical Reviews in Clinical Laboratory Sciences, 2008, 45, 1-23.  | 2.7  | 276       |
| 72 | Dorsomorphin inhibits BMP signals required for embryogenesis and iron metabolism. Nature Chemical Biology, 2008, 4, 33-41.  | 3.9  | 930       |
| 73 | Small-molecule dissection of BMP signaling. Nature Chemical Biology, 2008, 4, 15-16.  | 3.9  | 48        |
| 74 | Regulation of iron acquisition and storage: consequences for iron-linked disorders. Nature Reviews Molecular Cell Biology, 2008, 9, 72-81.  | 16.1 | 393       |
| 75 | A potential pathogenetic role of iron in Alzheimer's disease. Journal of Cellular and Molecular Medicine, 2008, 12, 1548-1550.  | 1.6  | 134       |
| 76 | Iron homeostasis: new players, newer insights. European Journal of Haematology, 2008, 81, 411-424.  | 1.1  | 48        |
| 77 | Genetics of iron regulation and the possible role of iron in Parkinson's disease. Neurobiology of Disease, 2008, 32, 183-195.   | 2.1  | 92        |
| 78 | Bone Morphogenetic Protein Receptors and Actions. , 2008, , 1177-1196.  |      | 2         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 79 | Chapter 6 Iron Homeostasis and Erythropoiesis. Current Topics in Developmental Biology, 2008, 82, 141-167.  | 1.0 | 50        |
| 80 | Repulsive guidance molecule A (RGM A) and its receptor neogenin during neural and neural crest cell development of <i>Xenopus laevis</i> . Biology of the Cell, 2008, 100, 659-677. | 0.7 | 14        |
| 81 | Hepatitis C Virus-Induced Reactive Oxygen Species Raise Hepatic Iron Level in Mice by Reducing Hepsidin Transcription. Gastroenterology, 2008, 134, 226-238.                        | 0.6 | 242       |
| 82 | 2-Oxoglutarate-dependent oxygenases control hepcidin gene expression. Journal of Hepatology, 2008, 48, 801-810.   | 1.8 | 67        |
| 83 | Iron and the liver: Update 2008. Journal of Hepatology, 2008, 48, S113-S123.  | 1.8 | 84        |
| 84 | Hepsidin and iron-related gene expression in subjects with Dysmetabolic Hepatic Iron Overload. Journal of Hepatology, 2008, 49, 123-133.  | 1.8 | 92        |
| 85 | Trophoblast Differentiation Defect in Human Embryonic Stem Cells Lacking PIG-A and GPI-Anchored Cell-Surface Proteins. Cell Stem Cell, 2008, 2, 345-355.                            | 5.2 | 50        |
| 86 | Bone marrow transplantation into hemochromatotic mice decreases hepatic and duodenal iron overload. International Journal of Biochemistry and Cell Biology, 2008, 40, 135-146.      | 1.2 | 4         |
| 87 | Iron regulatory and bactericidal properties of human recombinant hepcidin expressed in <i>Pichia pastoris</i> . Biochimie, 2008, 90, 726-735.                                       | 1.3 | 30        |
| 88 | Role of transforming growth factor- $\beta$ superfamily signaling pathways in human disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2008, 1782, 197-228.       | 1.8 | 544       |
| 89 | Soluble hemojuvelin is released by proprotein convertase-mediated cleavage at a conserved polybasic RNRK site. Blood Cells, Molecules, and Diseases, 2008, 40, 122-131.             | 0.6 | 91        |
| 90 | Regulation of hepcidin: Insights from biochemical analyses on human serum samples. Blood Cells, Molecules, and Diseases, 2008, 40, 339-346.   | 0.6 | 102       |
| 91 | Serum prohepcidin is associated with soluble transferrin receptor-1 but not ferritin in healthy post-menopausal women. Blood Cells, Molecules, and Diseases, 2008, 41, 265-269.     | 0.6 | 8         |
| 92 | Molecular evolution and characterization of hepcidin gene products in vertebrates. Gene, 2008, 415, 40-48.  | 1.0 | 102       |
| 93 | Hfe Acts in Hepatocytes to Prevent Hemochromatosis. Cell Metabolism, 2008, 7, 173-178.  | 7.2 | 139       |
| 94 | Iron Homeostasis: Fitting the Puzzle Pieces Together. Cell Metabolism, 2008, 7, 288-290.  | 7.2 | 107       |
| 95 | Fine Tuning of Hepsidin Expression by Positive and Negative Regulators. Cell Metabolism, 2008, 8, 1-3.  | 7.2 | 81        |
| 96 | The Serine Protease Matriptase-2 (TMPRSS6) Inhibits Hepsidin Activation by Cleaving Membrane Hemojuvelin. Cell Metabolism, 2008, 8, 502-511.  | 7.2 | 494       |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 97  | Clinical Perspectives on Hereditary Hemochromatosis. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2008, 45, 451-484.   | 2.7 | 22        |
| 98  | Deficiency of heme-regulated eIF2 $\alpha$ kinase decreases hepcidin expression and splenic iron in HFE-/- mice. <i>Haematologica</i> , 2008, 93, 753-756.                                      | 1.7 | 20        |
| 99  | Neogenin Interacts with Hemojuvelin through Its Two Membrane-Proximal Fibronectin Type III Domains. <i>Biochemistry</i> , 2008, 47, 4237-4245.  | 1.2 | 52        |
| 100 | Biology and Mechanics of Blood Flows. , 2008, , .   |     | 12        |
| 101 | The Serine Protease TMPRSS6 Is Required to Sense Iron Deficiency. <i>Science</i> , 2008, 320, 1088-1092.  | 6.0 | 517       |
| 102 | Involvement of Hepcidin in the Anemia of Multiple Myeloma. <i>Clinical Cancer Research</i> , 2008, 14, 3262-3267.   | 3.2 | 99        |
| 103 | Intracellular Iron Transport and Storage: From Molecular Mechanisms to Health Implications. <i>Antioxidants and Redox Signaling</i> , 2008, 10, 997-1030.                                       | 2.5 | 425       |
| 104 | The Anemia of Inflammation/Malignancy: Mechanisms and Management. <i>Hematology American Society of Hematology Education Program</i> , 2008, 2008, 159-165.                                     | 0.9 | 86        |
| 105 | Clinical Relevance of Anemia and Transfusion Iron Overload in Myelodysplastic Syndromes. <i>Hematology American Society of Hematology Education Program</i> , 2008, 2008, 166-175.              | 0.9 | 84        |
| 106 | Modifying factors of the <i>HFE</i> hemochromatosis phenotype. <i>Expert Review of Gastroenterology and Hepatology</i> , 2008, 2, 531-540.  | 1.4 | 16        |
| 107 | Regulation of Iron Absorption in Hemoglobinopathies. <i>Current Molecular Medicine</i> , 2008, 8, 646-662.  | 0.6 | 27        |
| 108 | A Q312X mutation in the hemojuvelin gene is associated with cardiomyopathy due to juvenile haemochromatosis $\hat{t}$ . <i>European Journal of Heart Failure</i> , 2008, 10, 1001-1006.         | 2.9 | 20        |
| 109 | Bone Morphogenetic Proteins Signal through the Transforming Growth Factor- $\beta$ 2 Type III Receptor. <i>Journal of Biological Chemistry</i> , 2008, 283, 7628-7637.                          | 1.6 | 161       |
| 110 | Functional Characterization of Bone Morphogenetic Protein Binding Sites and Smad1/5 Activation in Human Vascular Cells. <i>Molecular Pharmacology</i> , 2008, 73, 539-552.                      | 1.0 | 55        |
| 112 | The Regulation of Hepcidin and Its Effects on Systemic and Cellular Iron Metabolism. <i>Hematology American Society of Hematology Education Program</i> , 2008, 2008, 151-158.                  | 0.9 | 96        |
| 113 | New and old players in the hepcidin pathway. <i>Haematologica</i> , 2008, 93, 1441-1444.  | 1.7 | 29        |
| 114 | Neogenin-mediated Hemojuvelin Shedding Occurs after Hemojuvelin Traffics to the Plasma Membrane. <i>Journal of Biological Chemistry</i> , 2008, 283, 17494-17502.                               | 1.6 | 39        |
| 115 | Potential role of bone morphogenetic protein (BMP) signalling as a potential therapeutic target for modification of iron balance. <i>Nephrology Dialysis Transplantation</i> , 2008, 24, 28-30. | 0.4 | 3         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 116 | Selective binding of RGMc/hemojuvelin, a key protein in systemic iron metabolism, to BMP-2 and neogenin. <i>American Journal of Physiology - Cell Physiology</i> , 2008, 294, C994-C1003. | 2.1 | 44        |
| 117 | Hemojuvelin N-terminal mutants reach the plasma membrane but do not activate the hepcidin response. <i>Haematologica</i> , 2008, 93, 1466-1472.   | 1.7 | 28        |
| 119 | Hepcidin: from discovery to differential diagnosis. <i>Haematologica</i> , 2008, 93, 90-97.   | 1.7 | 266       |
| 120 | Furin-mediated release of soluble hemojuvelin: a new link between hypoxia and iron homeostasis. <i>Blood</i> , 2008, 111, 924-931.  | 0.6 | 277       |
| 121 | Hepcidin expression in mouse retina and its regulation via lipopolysaccharide/Toll-like receptor-4 pathway independent of Hfe. <i>Biochemical Journal</i> , 2008, 411, 79-88.             | 1.7 | 77        |
| 122 | Hemojuvelin regulates hepcidin expression via a selective subset of BMP ligands and receptors independently of neogenin. <i>Blood</i> , 2008, 111, 5195-5204.                             | 0.6 | 194       |
| 123 | Forging a field: the golden age of iron biology. <i>Blood</i> , 2008, 112, 219-230.   | 0.6 | 537       |
| 124 | Iron regulates phosphorylation of Smad1/5/8 and gene expression of Bmp6, Smad7, Id1, and Atoh8 in the mouse liver. <i>Blood</i> , 2008, 112, 1503-1509.                                   | 0.6 | 401       |
| 125 | Membrane-bound serine protease matriptase-2 (Tmprss6) is an essential regulator of iron homeostasis. <i>Blood</i> , 2008, 112, 2539-2545.   | 0.6 | 268       |
| 126 | Iron regulation and erythropoiesis. <i>Current Opinion in Hematology</i> , 2008, 15, 169-175.   | 1.2 | 152       |
| 127 | An Insight into the Relationships between Hepcidin, Anemia, Infections and Inflammatory Cytokines in Pediatric Refugees: A Cross-Sectional Study. <i>PLoS ONE</i> , 2008, 3, e4030.       | 1.1 | 73        |
| 128 | Pathways underlying iron accumulation in human nonalcoholic fatty liver disease. <i>American Journal of Clinical Nutrition</i> , 2008, 87, 1374-1383.                                     | 2.2 | 160       |
| 130 | Erythropoiesis: The Roles of Erythropoietin and Iron. , 2009, , 19-26.  |     | 1         |
| 131 | BMP-7 as antagonist of organ fibrosis. <i>Frontiers in Bioscience - Landmark</i> , 2009, 14, 4992.  | 3.0 | 76        |
| 132 | Expression of hepcidin and other iron-related genes in type 3 hemochromatosis due to a novel mutation in transferrin receptor-2. <i>Haematologica</i> , 2009, 94, 276-279.                | 1.7 | 42        |
| 133 | A Novel Immunological Assay for Hepcidin Quantification in Human Serum. <i>PLoS ONE</i> , 2009, 4, e4581.   | 1.1 | 72        |
| 134 | Evidence for a Lack of a Direct Transcriptional Suppression of the Iron Regulatory Peptide Hepcidin by Hypoxia-Inducible Factors. <i>PLoS ONE</i> , 2009, 4, e7875.                       | 1.1 | 76        |
| 135 | Hepcidin for Clinicians. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2009, 4, 1384-1387.   | 2.2 | 99        |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 136 | Hemojuvelin-Neogenin Interaction Is Required for Bone Morphogenic Protein-4-induced Heparin Expression. <i>Journal of Biological Chemistry</i> , 2009, 284, 22580-22589.   | 1.6 | 71        |
| 137 | ER Stress Controls Iron Metabolism Through Induction of Heparin. <i>Science</i> , 2009, 325, 877-880.  | 6.0 | 278       |
| 138 | Neogenin Regulates Skeletal Myofiber Size and Focal Adhesion Kinase and Extracellular Signal-regulated Kinase Activities In Vivo and In Vitro. <i>Molecular Biology of the Cell</i> , 2009, 20, 4920-4931.         | 0.9 | 63        |
| 139 | Anemia of Chronic Disease (Anemia of Inflammation). <i>Acta Haematologica</i> , 2009, 122, 103-108.  | 0.7 | 42        |
| 140 | Rare Types of Genetic Hemochromatosis. <i>Acta Haematologica</i> , 2009, 122, 140-145.   | 0.7 | 27        |
| 141 | Is the iron regulatory hormone heparin a risk factor for alcoholic liver disease?. <i>World Journal of Gastroenterology</i> , 2009, 15, 1186.  | 1.4 | 47        |
| 142 | Iron Homeostasis: Recently Identified Proteins Provide Insight into Novel Control Mechanisms. <i>Journal of Biological Chemistry</i> , 2009, 284, 711-715.   | 1.6 | 120       |
| 143 | Role of STAT1, NF- $\kappa$ B, and C/EBP $\beta$ in the macrophage transcriptional regulation of heparin by mycobacterial infection and IFN- $\gamma$ . <i>Journal of Leukocyte Biology</i> , 2009, 86, 1247-1258. | 1.5 | 76        |
| 144 | Deferasirox Reduces Iron Overload in a Murine Model of Juvenile Hemochromatosis. <i>Experimental Biology and Medicine</i> , 2009, 234, 492-503.  | 1.1 | 22        |
| 145 | Hemojuvelin: The Heparin Story Continues. <i>Kidney and Blood Pressure Research</i> , 2009, 32, 71-76.   | 0.9 | 24        |
| 146 | Activated macrophages induce heparin expression in HuH7 hepatoma cells. <i>Haematologica</i> , 2009, 94, 773-780.  | 1.7 | 36        |
| 147 | Genetic variation in heparin expression and its implications for phenotypic differences in iron metabolism. <i>Haematologica</i> , 2009, 94, 1185-1188.  | 1.7 | 22        |
| 148 | New Pharmacological Concepts for the Treatment of Iron Overload Disorders. <i>Current Medicinal Chemistry</i> , 2009, 16, 576-590.   | 1.2 | 12        |
| 149 | Molecular basis of inherited microcytic anemia due to defects in iron acquisition or heme synthesis. <i>Haematologica</i> , 2009, 94, 395-408.   | 1.7 | 134       |
| 150 | Ironing Out the Wrinkles in Host Defense: Interactions between Iron Homeostasis and Innate Immunity. <i>Journal of Innate Immunity</i> , 2009, 1, 455-464.   | 1.8 | 53        |
| 151 | Molecular mechanisms of normal iron homeostasis. <i>Hematology American Society of Hematology Education Program</i> , 2009, 2009, 207-214.   | 0.9 | 102       |
| 152 | Matriptase-2 mutations in iron-refractory iron deficiency anemia patients provide new insights into protease activation mechanisms. <i>Human Molecular Genetics</i> , 2009, 18, 3673-3683.                         | 1.4 | 59        |
| 153 | Blood Iron Homeostasis: Newly Discovered Proteins and Iron Imbalance. <i>Transfusion Medicine Reviews</i> , 2009, 23, 103-123.   | 0.9 | 33        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 155 | Ironing Out the Pathogenesis of Acute Kidney Injury. <i>American Journal of Kidney Diseases</i> , 2009, 53, 569-571.   | 2.1 | 20        |
| 156 | Things that go BMP in the liver: Bone morphogenetic protein 6 and the control of body iron homeostasis. <i>Hepatology</i> , 2009, 50, 316-319.   | 3.6 | 3         |
| 157 | Combined deletion of Hfe and transferrin receptor 2 in mice leads to marked dysregulation of hepcidin and iron overload. <i>Hepatology</i> , 2009, 50, 1992-2000.  | 3.6 | 180       |
| 158 | Erythropoiesis: Model systems, molecular regulators, and developmental programs. <i>IUBMB Life</i> , 2009, 61, 800-830.  | 1.5 | 169       |
| 159 | Iron metabolism: microbes, mouse, and man. <i>BioEssays</i> , 2009, 31, 1309-1317.   | 1.2 | 23        |
| 160 | Daily regulation of serum and urinary hepcidin is not influenced by submaximal cycling exercise in humans with normal iron metabolism. <i>European Journal of Applied Physiology</i> , 2009, 106, 435-443.         | 1.2 | 31        |
| 161 | Interacting signals in the control of hepcidin expression. <i>BioMetals</i> , 2009, 22, 77-87.   | 1.8 | 82        |
| 162 | Age-related changes in iron homeostasis in mouse ferroxidase mutants. <i>BioMetals</i> , 2009, 22, 827-834.  | 1.8 | 11        |
| 163 | The global burden of iron overload. <i>Hepatology International</i> , 2009, 3, 434-444.  | 1.9 | 37        |
| 164 | Bone morphogenetic protein (BMP)-responsive elements located in the proximal and distal hepcidin promoter are critical for its response to HJV/BMP/SMAD. <i>Journal of Molecular Medicine</i> , 2009, 87, 471-480. | 1.7 | 139       |
| 165 | What regulates the iron regulator?. <i>Journal of Molecular Medicine</i> , 2009, 87, 447-449.  | 1.7 | 1         |
| 166 | Mammalian iron transport. <i>Cellular and Molecular Life Sciences</i> , 2009, 66, 3241-3261.   | 2.4 | 248       |
| 167 | Quantification of hepcidin using matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 1531-1542.                             | 0.7 | 41        |
| 168 | Heterogeneous expressions of hepcidin isoforms in hepatoma-derived cells detected using simultaneous LC-MS/MS. <i>Proteomics - Clinical Applications</i> , 2009, 3, 1256-1264.                                     | 0.8 | 12        |
| 169 | DRAGON, a GPI-anchored membrane protein, inhibits BMP signaling in C2C12 myoblasts. <i>Genes To Cells</i> , 2009, 14, 695-702.   | 0.5 | 23        |
| 170 | Suppression of the hepcidin-encoding gene <i>Hamp</i> permits iron overload in mice lacking both heemojuvelin and matriptase-2/TMPRSS6. <i>British Journal of Haematology</i> , 2009, 147, 571-581.                | 1.2 | 55        |
| 171 | Lack of the bone morphogenetic protein BMP6 induces massive iron overload. <i>Nature Genetics</i> , 2009, 41, 478-481.   | 9.4 | 529       |
| 172 | BMP6 is a key endogenous regulator of hepcidin expression and iron metabolism. <i>Nature Genetics</i> , 2009, 41, 482-487.   | 9.4 | 678       |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 173 | BMP6 orchestrates iron metabolism. <i>Nature Genetics</i> , 2009, 41, 386-388.   | 9.4 | 48        |
| 174 | Genetics of cardiac repolarization. <i>Nature Genetics</i> , 2009, 41, 388-389.  | 9.4 | 6         |
| 175 | Genes determining blood cell traits. <i>Nature Genetics</i> , 2009, 41, 1161-1162.   | 9.4 | 29        |
| 176 | Into the matrix: regulation of the iron regulatory hormone hepcidin by matriptase-2. <i>Nutrition Reviews</i> , 2009, 67, 284-288.   | 2.6 | 10        |
| 177 | The Role of Hepcidin in Iron Homeostasis and Anemia in Hemodialysis Patients. <i>Seminars in Dialysis</i> , 2009, 22, 70-77.   | 0.7 | 64        |
| 178 | Hepcidin Regulation in Wild-Type and Hfe Knockout Mice in Response to Alcohol Consumption: Evidence for an Alcohol-Induced Hypoxic Response. <i>Alcoholism: Clinical and Experimental Research</i> , 2009, 33, 1391-1400.                | 1.4 | 24        |
| 179 | Stimulating neuroregeneration as a therapeutic drug approach for traumatic brain injury. <i>British Journal of Pharmacology</i> , 2009, 157, 675-685.  | 2.7 | 35        |
| 180 | Quantitation of hepcidin in human urine by liquid chromatography-mass spectrometry. <i>Analytical Biochemistry</i> , 2009, 384, 245-253.   | 1.1 | 39        |
| 181 | BMP modulators regulate the function of BMP during body patterning and disease progression. <i>BioFactors</i> , 2009, 35, 113-119.   | 2.6 | 13        |
| 182 | The RGM/DRAGON family of BMP co-receptors. <i>Cytokine and Growth Factor Reviews</i> , 2009, 20, 389-398.  | 3.2 | 102       |
| 183 | Applications of small molecule BMP inhibitors in physiology and disease. <i>Cytokine and Growth Factor Reviews</i> , 2009, 20, 409-418.  | 3.2 | 103       |
| 184 | Gene structure and differential modulation of multiple rockbream ( <i>Oplegnathus fasciatus</i> ) hepcidin isoforms resulting from different biological stimulations. <i>Developmental and Comparative Immunology</i> , 2009, 33, 46-58. | 1.0 | 52        |
| 185 | Hepcidin, the iron watcher. <i>Biochimie</i> , 2009, 91, 1223-1228.  | 1.3 | 108       |
| 186 | Intestinal Hypoxia-Inducible Transcription Factors Are Essential for Iron Absorption following Iron Deficiency. <i>Cell Metabolism</i> , 2009, 9, 152-164.   | 7.2 | 353       |
| 187 | The emerging role of TGF- $\beta$ 2 superfamily coreceptors in cancer. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2009, 1792, 954-973.  | 1.8 | 224       |
| 188 | Iron metabolism in the anemia of chronic disease. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2009, 1790, 682-693.   | 1.1 | 264       |
| 190 | Iron-refractory iron deficiency anemia: new molecular mechanisms. <i>Kidney International</i> , 2009, 76, 1137-1141.   | 2.6 | 35        |
| 191 | Suppressive Effects of Retinoids on Iron-Induced Oxidative Stress in the Liver. <i>Gastroenterology</i> , 2009, 136, 341-350.e8.   | 0.6 | 54        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 192 | Bone Morphogenetic Protein Signaling Is Impaired in an Hfe Knockout Mouse Model of Hemochromatosis. <i>Gastroenterology</i> , 2009, 137, 1489-1497.  | 0.6 | 131       |
| 193 | A general map of iron metabolism and tissue-specific subnetworks. <i>Molecular BioSystems</i> , 2009, 5, 422.  | 2.9 | 74        |
| 195 | Cross-talk between the mitogen activated protein kinase and bone morphogenetic protein/hemojuvelin pathways is required for the induction of hepcidin by holotransferrin in primary mouse hepatocytes. <i>Haematologica</i> , 2009, 94, 765-772. | 1.7 | 105       |
| 196 | Regulation of Hepcidin and Iron-Overload Disease. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2009, 4, 489-515.   | 9.6 | 155       |
| 197 | Iron Sequestration and Anemia of Inflammation. <i>Seminars in Hematology</i> , 2009, 46, 387-393.  | 1.8 | 283       |
| 198 | Iron-Refractory Iron Deficiency Anemia. <i>Seminars in Hematology</i> , 2009, 46, 378-386.   | 1.8 | 94        |
| 199 | Hyporesponsiveness to Erythropoiesis Stimulating Agents in Chronic Kidney Disease: The Many Faces of Inflammation. <i>Advances in Chronic Kidney Disease</i> , 2009, 16, 76-82.  | 0.6 | 35        |
| 200 | A new mutation in the hepcidin promoter impairs its BMP response and contributes to a severe phenotype in HFE related hemochromatosis. <i>Haematologica</i> , 2009, 94, 720-724.   | 1.7 | 71        |
| 201 | Selective modulation of TLR4-activated inflammatory responses by altered iron homeostasis in mice. <i>Journal of Clinical Investigation</i> , 2009, 119, 3322-8.   | 3.9 | 135       |
| 202 | Expression of the iron-regulatory protein haemojuvelin in retina and its regulation during cytomegalovirus infection. <i>Biochemical Journal</i> , 2009, 419, 533-543.   | 1.7 | 21        |
| 203 | Two BMP responsive elements, STAT, and bZIP/HNF4/COUP motifs of the hepcidin promoter are critical for BMP, SMAD1, and HJV responsiveness. <i>Blood</i> , 2009, 113, 688-695.  | 0.6 | 103       |
| 204 | Contribution of STAT3 and SMAD4 pathways to the regulation of hepcidin by opposing stimuli. <i>Blood</i> , 2009, 113, 3593-3599.   | 0.6 | 141       |
| 205 | Processing of hemojuvelin requires retrograde trafficking to the Golgi in HepG2 cells. <i>Blood</i> , 2009, 113, 1786-1793.  | 0.6 | 33        |
| 206 | Identification of TWSG1 as a second novel erythroid regulator of hepcidin expression in murine and human cells. <i>Blood</i> , 2009, 114, 181-186.   | 0.6 | 311       |
| 207 | Molecular mechanisms of the defective hepcidin inhibition in TMPRSS6 mutations associated with iron-refractory iron deficiency anemia. <i>Blood</i> , 2009, 113, 5605-5608.  | 0.6 | 110       |
| 208 | Iron overload in the Asian community. <i>Blood</i> , 2009, 114, 20-25.   | 0.6 | 164       |
| 209 | Matriptase-2 (TMPRSS6): a proteolytic regulator of iron homeostasis. <i>Haematologica</i> , 2009, 94, 840-849.   | 1.7 | 107       |
| 210 | BMP/Smad signaling is not enhanced in Hfe-deficient mice despite increased Bmp6 expression. <i>Blood</i> , 2009, 114, 2515-2520.   | 0.6 | 103       |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 211 | Molecular biology, genetics and biochemistry of the repulsive guidance molecule family. <i>Biochemical Journal</i> , 2009, 422, 393-403.  | 1.7 | 54        |
| 213 | Severe iron deficiency blunts the response of the iron regulatory gene Hmp and pro-inflammatory cytokines to lipopolysaccharide. <i>Haematologica</i> , 2010, 95, 1660-1667.  | 1.7 | 50        |
| 214 | The Effects of Acute Exercise on Hepcidin in Women. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 821.   | 0.2 | 0         |
| 215 | Down-regulation of Bmp/Smad signaling by Tmprss6 is required for maintenance of systemic iron homeostasis. <i>Blood</i> , 2010, 115, 3817-3826.   | 0.6 | 145       |
| 216 | SMAD7 controls iron metabolism as a potent inhibitor of hepcidin expression. <i>Blood</i> , 2010, 115, 2657-2665.   | 0.6 | 112       |
| 217 | Comparison of 3 Tfr2-deficient murine models suggests distinct functions for Tfr2- $\hat{1}\pm$ and Tfr2- $\hat{1}^2$ isoforms in different tissues. <i>Blood</i> , 2010, 115, 3382-3389.   | 0.6 | 66        |
| 218 | Neogenin inhibits HJV secretion and regulates BMP-induced hepcidin expression and iron homeostasis. <i>Blood</i> , 2010, 115, 3136-3145.  | 0.6 | 117       |
| 219 | In anemia of multiple myeloma, hepcidin is induced by increased bone morphogenetic protein 2. <i>Blood</i> , 2010, 116, 3635-3644.  | 0.6 | 120       |
| 220 | Hepcidin induction by transgenic overexpression of Hfe does not require the Hfe cytoplasmic tail, but does require hemojuvelin. <i>Blood</i> , 2010, 116, 5679-5687.  | 0.6 | 23        |
| 221 | Transferrin receptor 2 and HFE regulate furin expression via mitogen-activated protein kinase/extracellular signal-regulated kinase (MAPK/Erk) signaling. Implications for transferrin-dependent hepcidin regulation. <i>Haematologica</i> , 2010, 95, 1832-1840. | 1.7 | 73        |
| 222 | A Close Association of Abnormal Iron Metabolism with Steatosis in the Mice Fed a Choline-Deficient Diet. <i>Biological and Pharmaceutical Bulletin</i> , 2010, 33, 1101-1104.   | 0.6 | 13        |
| 223 | Iron and Immunity: Immunological Consequences of Iron Deficiency and Overload. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2010, 58, 407-415.  | 1.0 | 124       |
| 224 | The ins and outs of mitochondrial iron-loading: the metabolic defect in Friedreich's ataxia. <i>Journal of Molecular Medicine</i> , 2010, 88, 323-329.  | 1.7 | 55        |
| 225 | Natural and synthetic STAT3 inhibitors reduce hepcidin expression in differentiated mouse hepatocytes expressing the active phosphorylated STAT3 form. <i>Journal of Molecular Medicine</i> , 2010, 88, 477-486.  | 1.7 | 54        |
| 226 | Factors influencing disease phenotype and penetrance in HFE haemochromatosis. <i>Human Genetics</i> , 2010, 128, 233-248.   | 1.8 | 41        |
| 227 | STAT3 signaling within hepatocytes is required for anemia of inflammation in vivo. <i>Journal of Gastroenterology</i> , 2010, 45, 244-248.  | 2.3 | 37        |
| 229 | Molecular Mechanisms of Hepcidin Regulation: Implications for the Anemia of CKD. <i>American Journal of Kidney Diseases</i> , 2010, 55, 726-741.  | 2.1 | 203       |
| 230 | The bone of the liver (The hepcidin story contd). <i>Gastroenterologie Clinique Et Biologique</i> , 2010, 34, 351-354.  | 0.9 | 3         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 231 | Defective bone morphogenic protein signaling underlies hepcidin deficiency in HFE hereditary hemochromatosis. <i>Hepatology</i> , 2010, 52, 1266-1273.                             | 3.6 | 64        |
| 232 | Novel TMPRSS6 mutations associated with iron-refractory iron deficiency anemia (IRIDA). <i>Human Mutation</i> , 2010, 31, E1390-E1405.   | 1.1 | 56        |
| 233 | Genetic study of the hepcidin gene (HAMP) promoter and functional analysis of the c.-582A > G variant. <i>BMC Genetics</i> , 2010, 11, 110.  | 2.7 | 18        |
| 234 | Clinical consequences of iron overload from chronic red blood cell transfusions, its diagnosis, and its management by chelation therapy. <i>Transfusion</i> , 2010, 50, 1144-1155. | 0.8 | 57        |
| 235 | Growth differentiation factor 15 in anaemia of chronic disease, iron deficiency anaemia and mixed type anaemia. <i>British Journal of Haematology</i> , 2010, 148, 449-455.        | 1.2 | 66        |
| 236 | Genetic variability of <i>TMPPRSS6</i> and its association with iron deficiency anaemia. <i>British Journal of Haematology</i> , 2010, 151, 281-284.                               | 1.2 | 33        |
| 237 | Hepcidin in $\beta$ -thalassemia. <i>Annals of the New York Academy of Sciences</i> , 2010, 1202, 31-35.   | 1.8 | 69        |
| 238 | Unlocking biomarker discovery: Large scale application of aptamer proteomic technology for early detection of lung cancer. <i>Nature Precedings</i> , 2010, , .                    | 0.1 | 2         |
| 239 | Normal iron absorption and metabolism. , 0, , 10-27.   |     | 0         |
| 240 | A Genome-Wide Association Study of Red Blood Cell Traits Using the Electronic Medical Record. <i>PLoS ONE</i> , 2010, 5, e13011.   | 1.1 | 105       |
| 241 | The Type II Transmembrane Serine Protease, Matriptase-2: Possible Links to Cancer?. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2010, 10, 64-69.                            | 0.9 | 14        |
| 242 | Dragon Enhances BMP Signaling and Increases Transepithelial Resistance in Kidney Epithelial Cells. <i>Journal of the American Society of Nephrology: JASN</i> , 2010, 21, 666-677. | 3.0 | 32        |
| 243 | Molecular basis of iron-loading disorders. <i>Expert Reviews in Molecular Medicine</i> , 2010, 12, e36.  | 1.6 | 42        |
| 244 | Iron Overload in Sickle Cell Disease. <i>Advances in Hematology</i> , 2010, 2010, 1-9.   | 0.6 | 52        |
| 245 | Ferroportin and Erythroid Cells: An Update. <i>Advances in Hematology</i> , 2010, 2010, 1-12.  | 0.6 | 15        |
| 246 | Crosstalk between Iron Metabolism and Erythropoiesis. <i>Advances in Hematology</i> , 2010, 2010, 1-12.  | 0.6 | 41        |
| 247 | Targeting the Hepcidin-Ferroportin Axis in the Diagnosis and Treatment of Anemias. <i>Advances in Hematology</i> , 2010, 2010, 1-9.  | 0.6 | 67        |
| 248 | Immunoassay for human serum hemojuvelin. <i>Haematologica</i> , 2010, 95, 2031-2037.   | 1.7 | 27        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 249 | The Role of Hepatocyte Hemojuvelin in the Regulation of Bone Morphogenic Protein-6 and Hepcidin Expression in Vivo. <i>Journal of Biological Chemistry</i> , 2010, 285, 16416-16423.  | 1.6 | 68        |
| 250 | Matriptase-2- and Proprotein Convertase-cleaved Forms of Hemojuvelin Have Different Roles in the Down-regulation of Hepcidin Expression. <i>Journal of Biological Chemistry</i> , 2010, 285, 39021-39028.   | 1.6 | 54        |
| 251 | Control of Systemic Iron Homeostasis by the Hemojuvelin-Hepcidin Axis. <i>Advances in Nutrition</i> , 2010, 1, 38-45.   | 2.9 | 41        |
| 252 | Soluble Repulsive Guidance Molecule c/Hemojuvelin Is a Broad Spectrum Bone Morphogenetic Protein (BMP) Antagonist and Inhibits both BMP2- and BMP6-mediated Signaling and Gene Expression. <i>Journal of Biological Chemistry</i> , 2010, 285, 24783-24792. | 1.6 | 31        |
| 253 | Genetic mechanisms and modifying factors in hereditary hemochromatosis. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2010, 7, 50-58.   | 8.2 | 71        |
| 254 | Iron-deficiency anemia secondary to mutations in genes controlling hepcidin. <i>Expert Review of Hematology</i> , 2010, 3, 205-216.   | 1.0 | 13        |
| 255 | Molecular diagnosis of genetic iron-overload disorders. <i>Expert Review of Molecular Diagnostics</i> , 2010, 10, 755-763.  | 1.5 | 9         |
| 256 | Oncostatin M is a potent inducer of hepcidin, the iron regulatory hormone. <i>FASEB Journal</i> , 2010, 24, 2093-2103.  | 0.2 | 43        |
| 257 | Iron metabolism and diagnosis of iron overload disorders. <i>Expert Opinion on Medical Diagnostics</i> , 2010, 4, 67-77.  | 1.6 | 3         |
| 258 | The RGM protein DRAG-1 positively regulates a BMP-like signaling pathway in <i>Caenorhabditis elegans</i> . <i>Development (Cambridge)</i> , 2010, 137, 2375-2384.  | 1.2 | 39        |
| 259 | Novel tools for the evaluation of iron metabolism. <i>Haematologica</i> , 2010, 95, 1989-1991.  | 1.7 | 5         |
| 260 | Iron Loading and Overloading due to Ineffective Erythropoiesis. <i>Advances in Hematology</i> , 2010, 2010, 1-8.  | 0.6 | 75        |
| 261 | Molecular basis of hereditary iron homeostasis defects. <i>Hematology</i> , 2010, 15, 96-111.   | 0.7 | 8         |
| 262 | Iron Homeostasis, Hepatocellular Injury, and Fibrogenesis in Hemochromatosis: The Role of Inflammation in a Noninflammatory Liver Disease. <i>Seminars in Liver Disease</i> , 2010, 30, 271-287.  | 1.8 | 59        |
| 263 | Cross-talk between iron homeostasis and intestinal inflammation. <i>Gut Microbes</i> , 2010, 1, 65-69.  | 4.3 | 8         |
| 264 | Anemia in Chronic Kidney Disease: New Advances. <i>Heart Failure Clinics</i> , 2010, 6, 347-357.  | 1.0 | 14        |
| 265 | Hypoxic regulation of erythropoiesis and iron metabolism. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 299, F1-F13.   | 1.3 | 266       |
| 266 | Iron-Induced Expression of Bone Morphogenic Protein 6 in Intestinal Cells Is the Main Regulator of Hepatic Hepcidin Expression In Vivo. <i>Gastroenterology</i> , 2010, 138, 372-382.   | 0.6 | 58        |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 267 | Hereditary Hemochromatosis: Pathogenesis, Diagnosis, and Treatment. <i>Gastroenterology</i> , 2010, 139, 393-408.e2.   | 0.6  | 483       |
| 268 | BMP6 Treatment Compensates for the Molecular Defect and Ameliorates Hemochromatosis in Hfe Knockout Mice. <i>Gastroenterology</i> , 2010, 139, 1721-1729.  | 0.6  | 99        |
| 269 | Bone morphogenetic protein receptors and signal transduction. <i>Journal of Biochemistry</i> , 2010, 147, 35-51.   | 0.9  | 845       |
| 270 | BMP signaling in vascular development and disease. <i>Cytokine and Growth Factor Reviews</i> , 2010, 21, 287-298.  | 3.2  | 114       |
| 271 | Neogenin Regulation of BMP-Induced Canonical Smad Signaling and Endochondral Bone Formation. <i>Developmental Cell</i> , 2010, 19, 90-102.   | 3.1  | 109       |
| 272 | Biological effects of mutant ceruloplasmin on hepcidin-mediated internalization of ferroportin. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2010, 1802, 968-975.   | 1.8  | 70        |
| 273 | Altered hepatic BMP signaling pathway in human HFE hemochromatosis. <i>Blood Cells, Molecules, and Diseases</i> , 2010, 45, 308-312.   | 0.6  | 36        |
| 274 | Two to Tango: Regulation of Mammalian Iron Metabolism. <i>Cell</i> , 2010, 142, 24-38.   | 13.5 | 1,692     |
| 275 | Intestinal Ferritin H Is Required for an Accurate Control of Iron Absorption. <i>Cell Metabolism</i> , 2010, 12, 273-282.  | 7.2  | 125       |
| 277 | Down-regulation of hepcidin resulting from long-term treatment with an anti-IL-6 receptor antibody (tocilizumab) improves anemia of inflammation in multicentric Castleman disease. <i>Blood</i> , 2010, 116, 3627-3634.         | 0.6  | 204       |
| 278 | Anemia, Ineffective Erythropoiesis, and Hepcidin: Interacting Factors in Abnormal Iron Metabolism Leading to Iron Overload in $\beta^2$ -Thalassemia. <i>Hematology/Oncology Clinics of North America</i> , 2010, 24, 1089-1107. | 0.9  | 81        |
| 279 | Iron-Sensing Proteins that Regulate Hepcidin and Enteric Iron Absorption. <i>Annual Review of Nutrition</i> , 2010, 30, 149-171.   | 4.3  | 73        |
| 280 | Iron Homeostasis and the Inflammatory Response. <i>Annual Review of Nutrition</i> , 2010, 30, 105-122.   | 4.3  | 363       |
| 282 | Disorders associated with systemic or local iron overload: from pathophysiology to clinical practice. <i>Metallomics</i> , 2011, 3, 971.   | 1.0  | 48        |
| 283 | Prospects for a hepcidin mimic to treat $\beta^2$ -thalassemia and hemochromatosis. <i>Expert Review of Hematology</i> , 2011, 4, 233-235.   | 1.0  | 11        |
| 284 | Hepcidin in Human Iron Disorders: Diagnostic Implications. <i>Clinical Chemistry</i> , 2011, 57, 1650-1669.  | 1.5  | 216       |
| 285 | Iron Regulation of Hepcidin Despite Attenuated Smad1,5,8 Signaling in Mice Without Transferrin Receptor 2 or Hfe. <i>Gastroenterology</i> , 2011, 141, 1907-1914.  | 0.6  | 89        |
| 286 | Modulation of hepatitis C virus replication by iron and hepcidin in Huh7 hepatocytes. <i>Journal of General Virology</i> , 2011, 92, 2072-2081.  | 1.3  | 50        |



| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 287 | Hepcidin and Disorders of Iron Metabolism. Annual Review of Medicine, 2011, 62, 347-360.  | 5.0 | 404       |
| 288 | Membrane-Anchored Serine Proteases in Vertebrate Cell and Developmental Biology. Annual Review of Cell and Developmental Biology, 2011, 27, 213-235.                              | 4.0 | 111       |
| 289 | The Hepcidin-Ferroportin System as a Therapeutic Target in Anemias and Iron Overload Disorders. Hematology American Society of Hematology Education Program, 2011, 2011, 538-542. | 0.9 | 120       |
| 290 | Î²-thalassemia: a model for elucidating the dynamic regulation of ineffective erythropoiesis and iron metabolism. Blood, 2011, 118, 4321-4330.                                    | 0.6 | 168       |
| 291 | Antagonism of Activin by Activin Chimeras. Vitamins and Hormones, 2011, 85, 105-128.  | 0.7 | 4         |
| 292 | Bmp6 Regulates Retinal Iron Homeostasis and Has Altered Expression in Age-Related Macular Degeneration. American Journal of Pathology, 2011, 179, 335-348.                        | 1.9 | 43        |
| 293 | Endogenous Bmp4 in myoblasts is required for myotube formation in C2C12 cells. Biochimica Et Biophysica Acta - General Subjects, 2011, 1810, 1127-1135.                           | 1.1 | 17        |
| 294 | Liver hemojuvelin protein levels in mice deficient in matriptase-2 (Tmprss6). Blood Cells, Molecules, and Diseases, 2011, 47, 133-137.  | 0.6 | 27        |
| 295 | Hepcidin regulation by innate immune and infectious stimuli. Blood, 2011, 118, 4129-4139.   | 0.6 | 252       |
| 296 | Crystal structure of a hemojuvelin-binding fragment of neogenin at 1.8Å... Journal of Structural Biology, 2011, 174, 239-244.   | 1.3 | 12        |
| 297 | Hepcidin in human iron disorders: Therapeutic implications. Journal of Hepatology, 2011, 54, 173-181.   | 1.8 | 107       |
| 298 | Modulation of Iron Metabolism and Hepcidin Release by HFE Mutations in Chronic Hemodialysis Patients: Pathophysiological and Therapeutic Implications. , 0, , .                   |     | 1         |
| 299 | Implications of altered iron homeostasis for age-related macular degeneration. Frontiers in Bioscience - Landmark, 2011, 16, 1551.  | 3.0 | 29        |
| 300 | Novel observations in hereditary hemochromatosis: potential implications for clinical strategies. Haematologica, 2011, 96, 485-488.   | 1.7 | 8         |
| 301 | Molecular Mechanisms Regulating Hepcidin Revealed by Hepcidin Disorders. Scientific World Journal, The, 2011, 11, 1357-1366.  | 0.8 | 24        |
| 302 | Age-Dependent Retinal Iron Accumulation and Degeneration in Hepcidin Knockout Mice. , 2011, 52, 109.  |     | 86        |
| 303 | Bone morphogenetic protein and bone metastasis, implication and therapeutic potential. Frontiers in Bioscience - Landmark, 2011, 16, 865.   | 3.0 | 49        |
| 304 | BMP Signaling Modulates Hepcidin Expression in Zebrafish Embryos Independent of Hemojuvelin. PLoS ONE, 2011, 6, e14553.   | 1.1 | 20        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 305 | Accelerated CCl4-Induced Liver Fibrosis in H <sub>2</sub> O <sub>2</sub> <sup>-/-</sup> Mice, Associated with an Oxidative Burst and Precocious Profibrogenic Gene Expression. PLoS ONE, 2011, 6, e25138.       | 1.1 | 24        |
| 307 | Repulsive guidance molecules, novel bone morphogenetic protein co-receptors, are key regulators of the growth and aggressiveness of prostate cancer cells. International Journal of Oncology, 2011, 40, 544-50. | 1.4 | 17        |
| 308 | Hepcidin and iron regulation, 10 years later. Blood, 2011, 117, 4425-4433.  | 0.6 | 770       |
| 309 | Suppression of hepatic hepcidin expression in response to acute iron deprivation is associated with an increase of matriptase-2 protein. Blood, 2011, 117, 1687-1699.   | 0.6 | 94        |
| 310 | Blunted hepcidin response to inflammation in the absence of Hfe and transferrin receptor 2. Blood, 2011, 117, 2960-2966.  | 0.6 | 25        |
| 311 | Enhanced erythropoiesis in Hfe-KO mice indicates a role for Hfe in the modulation of erythroid iron homeostasis. Blood, 2011, 117, 1379-1389.   | 0.6 | 42        |
| 312 | Inhibition of bone morphogenetic protein signaling attenuates anemia associated with inflammation. Blood, 2011, 117, 4915-4923.   | 0.6 | 161       |
| 313 | Tmprss6 is a genetic modifier of the Hfe-hemochromatosis phenotype in mice. Blood, 2011, 117, 4590-4599.  | 0.6 | 80        |
| 314 | Skeletal muscle hemojuvelin is dispensable for systemic iron homeostasis. Blood, 2011, 117, 6319-6325.  | 0.6 | 50        |
| 315 | Low hepcidin accounts for the proinflammatory status associated with iron deficiency. Blood, 2011, 118, 736-746.  | 0.6 | 116       |
| 316 | Pharmacologic inhibition of hepcidin expression reverses anemia of chronic inflammation in rats. Blood, 2011, 118, 4977-4984.   | 0.6 | 179       |
| 317 | Regulation of TMPRSS6 by BMP6 and iron in human cells and mice. Blood, 2011, 118, 747-756.  | 0.6 | 104       |
| 318 | TMPRSS6 rs855791 modulates hepcidin transcription in vitro and serum hepcidin levels in normal individuals. Blood, 2011, 118, 4459-4462.  | 0.6 | 97        |
| 319 | Is EPO therapy able to correct iron deficiency anaemia caused by matriptase-2 deficiency?. British Journal of Haematology, 2011, 152, 498-500.  | 1.2 | 12        |
| 320 | Bone marrow transplantation in phosphoglycerate kinase (PGK) deficiency. British Journal of Haematology, 2011, 152, 500-502.  | 1.2 | 11        |
| 321 | Hemojuvelin: A New Link Between Obesity and Iron Homeostasis. Obesity, 2011, 19, 1545-1551.   | 1.5 | 33        |
| 322 | Knockout Mouse Models of Iron Homeostasis. Annual Review of Nutrition, 2011, 31, 117-137.   | 4.3 | 34        |
| 323 | Brain iron metabolism and its perturbation in neurological diseases. Journal of Neural Transmission, 2011, 118, 301-314.  | 1.4 | 214       |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 324 | Brain iron metabolism and its perturbation in neurological diseases. Monatshefte für Chemie, 2011, 142, 341-355.   | 0.9 | 13        |
| 325 | The molecular basis of iron overload disorders and iron-linked anemias. International Journal of Hematology, 2011, 93, 14-20.  | 0.7 | 50        |
| 326 | Obesity modulate serum hepcidin and treatment outcome of iron deficiency anemia in children: A case control study. Italian Journal of Pediatrics, 2011, 37, 34.  | 1.0 | 61        |
| 327 | Hepcidin expression in human airway epithelial cells is regulated by interferon- $\beta$ . Respiratory Research, 2011, 12, 100.  | 1.4 | 41        |
| 328 | Different spatial and temporal protein expressions of repulsive guidance molecule a and neogenin in the rat optic nerve after optic nerve crush with and without lens injury. Journal of Neuroscience Research, 2011, 89, 490-505. | 1.3 | 17        |
| 329 | The hepcidin circuits act: Balancing iron and inflammation. Hepatology, 2011, 53, 1764-1766.   | 3.6 | 29        |
| 330 | Neurofibromatosis type 2/merlin: Sharpening the Myth of Prometheus. Hepatology, 2011, 53, 1767-1770.   | 3.6 | 0         |
| 331 | Serum and liver iron differently regulate the bone morphogenetic protein 6 (BMP6)-SMAD signaling pathway in mice. Hepatology, 2011, 54, 273-284.   | 3.6 | 169       |
| 332 | Liver and serum iron: Discrete regulators of hepatic hepcidin expression. Hepatology, 2011, 54, 16-19.   | 3.6 | 7         |
| 333 | Conditional disruption of mouse HFE2 gene: Maintenance of systemic iron homeostasis requires hepatic but not skeletal muscle hemojuvelin. Hepatology, 2011, 54, 1800-1807.   | 3.6 | 49        |
| 334 | The Molecular Pathogenesis of Hereditary Hemochromatosis. Seminars in Liver Disease, 2011, 31, 280-292.  | 1.8 | 84        |
| 335 | Hepcidin expression in the liver of rats fed a magnesium-deficient diet. British Journal of Nutrition, 2011, 106, 1169-1172.   | 1.2 | 8         |
| 336 | Importance of Iron Chelation in Free Radical-Induced Oxidative Stress and Human Disease. Current Pharmaceutical Design, 2011, 17, 3460-3473.   | 0.9 | 204       |
| 337 | Downregulation of hemojuvelin prevents inhibitory effects of bone morphogenetic proteins on iron metabolism in hepatocellular carcinoma. Laboratory Investigation, 2011, 91, 1615-1623.  | 1.7 | 29        |
| 338 | Heparin: a potent inhibitor of hepcidin expression in vitro and in vivo. Blood, 2011, 117, 997-1004.   | 0.6 | 127       |
| 339 | Hepcidin: A Critical Regulator of Iron Metabolism during Hypoxia. Advances in Hematology, 2011, 2011, 1-7.   | 0.6 | 40        |
| 340 | ER Stress and Iron Homeostasis: A New Frontier for the UPR. Biochemistry Research International, 2011, 2011, 1-10.   | 1.5 | 18        |
| 341 | Hepcidin Is Regulated during Blood-Stage Malaria and Plays a Protective Role in Malaria Infection. Journal of Immunology, 2011, 187, 6410-6416.  | 0.4 | 35        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 343 | Essential Role of Endocytosis of the Type II Transmembrane Serine Protease TMPRSS6 in Regulating Its Functionality. <i>Journal of Biological Chemistry</i> , 2011, 286, 29035-29043.   | 1.6 | 22        |
| 344 | The BMP Coreceptor RGMb Promotes While the Endogenous BMP Antagonist Noggin Reduces Neurite Outgrowth and Peripheral Nerve Regeneration by Modulating BMP Signaling. <i>Journal of Neuroscience</i> , 2011, 31, 18391-18400. | 1.7 | 64        |
| 345 | Dragon (Repulsive Guidance Molecule b) Inhibits IL-6 Expression in Macrophages. <i>Journal of Immunology</i> , 2011, 186, 1369-1376.   | 0.4 | 49        |
| 346 | A Transmembrane Protein EIG121L Is Required for Epidermal Differentiation during Early Embryonic Development. <i>Journal of Biological Chemistry</i> , 2011, 286, 6760-6768.   | 1.6 | 6         |
| 347 | Regulation of Type II Transmembrane Serine Proteinase TMPRSS6 by Hypoxia-inducible Factors. <i>Journal of Biological Chemistry</i> , 2011, 286, 4090-4097.   | 1.6 | 90        |
| 348 | Pathways for the regulation of hepcidin expression in anemia of chronic disease and iron deficiency anemia in vivo. <i>Haematologica</i> , 2011, 96, 1761-1769.  | 1.7 | 63        |
| 349 | Iron-deficiency anemia from matriptase-2 inactivation is dependent on the presence of functional Bmp6. <i>Blood</i> , 2011, 117, 647-650.  | 0.6 | 28        |
| 350 | Perturbation of hepcidin expression by BMP type I receptor deletion induces iron overload in mice. <i>Blood</i> , 2011, 118, 4224-4230.  | 0.6 | 161       |
| 351 | Hypoxia inhibits hepcidin expression in HuH7 hepatoma cells via decreased SMAD4 signaling. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 300, C888-C895.   | 2.1 | 48        |
| 352 | Interrelationships between tissue iron status and erythropoiesis during postweaning development following neonatal iron deficiency in rats. <i>American Journal of Physiology - Renal Physiology</i> , 2011, 300, G470-G476. | 1.6 | 5         |
| 353 | Hereditary Hemochromatosis Restores the Virulence of Plague Vaccine Strains. <i>Journal of Infectious Diseases</i> , 2012, 206, 1050-1058.   | 1.9 | 52        |
| 354 | Alcohol Activates TGF-Beta but Inhibits BMP Receptor-Mediated Smad Signaling and Smad4 Binding to Hepcidin Promoter in the Liver. <i>International Journal of Hepatology</i> , 2012, 2012, 1-11.                             | 0.4 | 44        |
| 355 | Molecular Diagnostic and Pathogenesis of Hereditary Hemochromatosis. <i>International Journal of Molecular Sciences</i> , 2012, 13, 1497-1511.   | 1.8 | 76        |
| 356 | Disorders of iron overload. , 2012, , 261-292.   |     | 0         |
| 357 | Iron Regulator Hepcidin Exhibits Antiviral Activity against Hepatitis C Virus. <i>PLoS ONE</i> , 2012, 7, e46631.  | 1.1 | 42        |
| 358 | Neogenin Interacts with Matriptase-2 to Facilitate Hemojuvelin Cleavage. <i>Journal of Biological Chemistry</i> , 2012, 287, 35104-35117.  | 1.6 | 52        |
| 359 | Diagnosis and Management of Iron Deficiency Anaemia in Children – A Clinical Update. <i>Proceedings of Singapore Healthcare</i> , 2012, 21, 278-285.   | 0.2 | 1         |
| 360 | Obesity and iron deficiency in chronic kidney disease: the putative role of hepcidin. <i>Nephrology Dialysis Transplantation</i> , 2012, 27, 50-57.  | 0.4 | 13        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 361 | BMPER Protein Is a Negative Regulator of Hepcidin and Is Up-regulated in Hypotransferrinemic Mice. <i>Journal of Biological Chemistry</i> , 2012, 287, 4099-4106.  | 1.6 | 28        |
| 362 | TMPRSS6, but not TF, TFR2 or BMP2 variants are associated with increased risk of iron-deficiency anemia. <i>Human Molecular Genetics</i> , 2012, 21, 2124-2131.  | 1.4 | 73        |
| 363 | Iron-regulatory gene expression during liver regeneration. <i>Scandinavian Journal of Gastroenterology</i> , 2012, 47, 591-600.  | 0.6 | 9         |
| 364 | Major Determinants of BMP-2 Serum Levels in Hemodialysis Patients. <i>Renal Failure</i> , 2012, 34, 1355-1358.   | 0.8 | 4         |
| 365 | Management of Anemia of Inflammation in the Elderly. <i>Anemia</i> , 2012, 2012, 1-20.   | 0.5 | 37        |
| 366 | BMPS and Liver: More Questions than Answers. <i>Current Pharmaceutical Design</i> , 2012, 18, 4114-4125.   | 0.9 | 17        |
| 367 | Repulsive Guidance Molecules (RGMs) and Their Potential Implication in Cancer as Co-receptor of BMPs. <i>Current Signal Transduction Therapy</i> , 2012, 7, 149-160.   | 0.3 | 1         |
| 369 | Hypoxia-inducible factor regulates hepcidin via erythropoietin-induced erythropoiesis. <i>Journal of Clinical Investigation</i> , 2012, 122, 4635-4644.  | 3.9 | 263       |
| 371 | Regulation of hepcidin expression at high altitude. <i>Blood</i> , 2012, 119, 857-860.   | 0.6 | 80        |
| 372 | Iron-mediated retinal degeneration in haemojuvelin-knockout mice. <i>Biochemical Journal</i> , 2012, 441, 599-608.   | 1.7 | 28        |
| 374 | Hepcidin and the Iron-Infection Axis. <i>Science</i> , 2012, 338, 768-772.   | 6.0 | 563       |
| 375 | Iron levels in polarized macrophages: Regulation of immunity and autoimmunity. <i>Autoimmunity Reviews</i> , 2012, 11, 883-889.  | 2.5 | 109       |
| 376 | Molecular Regulation of Systemic Iron Metabolism. , 2012, , 173-190.   |     | 2         |
| 377 | <i>RGMa</i> and <i>RGMb</i> expression pattern during chicken development suggest unexpected roles for these repulsive guidance molecules in notochord formation, somitogenesis, and myogenesis. <i>Developmental Dynamics</i> , 2012, 241, 1886-1900. | 0.8 | 9         |
| 378 | Métabolisme du fer en 2012. <i>Revue Francophone Des Laboratoires</i> , 2012, 2012, 31-37.   | 0.0 | 0         |
| 380 | Macrophages and Systemic Iron Homeostasis. <i>Journal of Innate Immunity</i> , 2012, 4, 446-453.   | 1.8 | 212       |
| 381 | Mechanisms of Mammalian Iron Homeostasis. <i>Biochemistry</i> , 2012, 51, 5705-5724.   | 1.2 | 465       |
| 382 | The hemochromatosis proteins HFE, TfR2, and HJV form a membrane-associated protein complex for hepcidin regulation. <i>Journal of Hepatology</i> , 2012, 57, 1052-1060.  | 1.8 | 166       |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 383 | Hereditary hemochromatosis and transferrin receptor 2. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012, 1820, 256-263.  | 1.1  | 27        |
| 384 | The long history of iron in the Universe and in health and disease. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012, 1820, 161-187.   | 1.1  | 166       |
| 385 | Regulation of iron transport and the role of transferrin. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012, 1820, 188-202.   | 1.1  | 383       |
| 386 | Hepcidin and iron homeostasis. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2012, 1823, 1434-1443.   | 1.9  | 947       |
| 387 | Severe microcytic anemia but increased erythropoiesis in mice lacking Hfe or Tfr2 and Tmprss6. <i>Blood Cells, Molecules, and Diseases</i> , 2012, 48, 173-178.  | 0.6  | 26        |
| 388 | Identification of a novel mutation in the HAMP gene that causes non-detectable hepcidin molecules in a Japanese male patient with juvenile hemochromatosis. <i>Blood Cells, Molecules, and Diseases</i> , 2012, 48, 179-182. | 0.6  | 23        |
| 389 | Tumour necrosis factor alpha downregulates human hemojuvelin expression via a novel response element within its promoter. <i>Journal of Biomedical Science</i> , 2012, 19, 83.   | 2.6  | 18        |
| 390 | Computational identification and analysis of novel sugarcane microRNAs. <i>BMC Genomics</i> , 2012, 13, 290.   | 1.2  | 63        |
| 391 | Inhibition of HCV by the serpin antithrombin III. <i>Virology Journal</i> , 2012, 9, 226.  | 1.4  | 14        |
| 392 | Serum Hemojuvelin and Hepcidin Levels in Chronic Kidney Disease. <i>American Journal of Nephrology</i> , 2012, 35, 295-304.  | 1.4  | 24        |
| 393 | Systemic and cellular consequences of macrophage control of iron metabolism. <i>Seminars in Immunology</i> , 2012, 24, 393-398.  | 2.7  | 37        |
| 394 | Iron Overload in Human Disease. <i>New England Journal of Medicine</i> , 2012, 366, 348-359.   | 13.9 | 484       |
| 395 | Brain iron metabolism and its perturbation in neurological diseases. , 2012, , 1-15.   |      | 2         |
| 396 | Iron metabolic disorder in chronic hepatitis C: insights from recent evidence. <i>Clinical Journal of Gastroenterology</i> , 2012, 5, 251-256.   | 0.4  | 1         |
| 397 | Acidic milieu augments the expression of hepcidin, the central regulator of iron homeostasis. <i>International Journal of Hematology</i> , 2012, 96, 701-709.  | 0.7  | 7         |
| 398 | Iron sensing and signalling. <i>Gut</i> , 2012, 61, 933-952.   | 6.1  | 247       |
| 399 | IRON HOMEOSTASIS AND ITS DISORDERS IN MICE AND MEN: POTENTIAL LESSONS FOR RHINOS. <i>Journal of Zoo and Wildlife Medicine</i> , 2012, 43, S19-S26.   | 0.3  | 13        |
| 400 | Effect of Iron Overload and Iron Deficiency on Liver Hemojuvelin Protein. <i>PLoS ONE</i> , 2012, 7, e37391.   | 1.1  | 17        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 401 | Hepcidin Regulation by BMP Signaling in Macrophages Is Lipopolysaccharide Dependent. PLoS ONE, 2012, 7, e44622.   | 1.1 | 31        |
| 402 | Molecular Mechanisms of Intestinal Iron Transport. , 2012, , 1921-1947.   |     | 14        |
| 403 | Modulation of iron metabolism in aging and in Alzheimer's disease: relevance of the choroid plexus. Frontiers in Cellular Neuroscience, 2012, 6, 25.  | 1.8 | 40        |
| 404 | Inactive matriptase-2 mutants found in IRIDA patients still repress hepcidin in a transfection assay despite having lost their serine protease activity. Human Mutation, 2012, 33, 1388-1396.             | 1.1 | 25        |
| 405 | Decreased hepcidin expression in murine $\beta^2$ -thalassemia is associated with suppression of Bmp/Smad signaling. Blood, 2012, 119, 3187-3189.   | 0.6 | 27        |
| 406 | Review article: the iron overload syndromes. Alimentary Pharmacology and Therapeutics, 2012, 35, 876-893.   | 1.9 | 117       |
| 407 | Oligomeric interactions of TGF $\beta^2$ and BMP receptors. FEBS Letters, 2012, 586, 1885-1896.   | 1.3 | 74        |
| 408 | BMP signaling in vascular diseases. FEBS Letters, 2012, 586, 1993-2002.   | 1.3 | 236       |
| 409 | Stimulated erythropoiesis with secondary iron loading leads to a decrease in hepcidin despite an increase in bone morphogenetic protein 6 expression. British Journal of Haematology, 2012, 157, 615-626. | 1.2 | 39        |
| 410 | Essential but toxic: Controlling the flux of iron in the body. Clinical and Experimental Pharmacology and Physiology, 2012, 39, 719-724.  | 0.9 | 36        |
| 411 | The bone morphogenetic proteinâ€“hepcidin axis as a therapeutic target in inflammatory bowel disease. Inflammatory Bowel Diseases, 2012, 18, 112-119.   | 0.9 | 55        |
| 412 | Targeting the hepcidinâ€“ferroportin axis to develop new treatment strategies for anemia of chronic disease and anemia of inflammation. American Journal of Hematology, 2012, 87, 392-400.                | 2.0 | 143       |
| 413 | Regulation of erythropoiesis by hypoxia-inducible factors. Blood Reviews, 2013, 27, 41-53.  | 2.8 | 522       |
| 414 | Protein Antioxidants in Thalassemia. Advances in Clinical Chemistry, 2013, 60, 85-128.  | 1.8 | 17        |
| 415 | Iron storage disease in <i>A&amp;P</i> populations: The importance of non-HFE mutations. Journal of Gastroenterology and Hepatology (Australia), 2013, 28, 1087-1094.                                     | 1.4 | 39        |
| 416 | Anemia of Chronic Disease. Seminars in Hematology, 2013, 50, 232-238.   | 1.8 | 90        |
| 417 | Repeated $\bullet$ interval exercise causes an increase in serum hepcidin concentration in both trained and untrained men. Cellular Immunology, 2013, 283, 12-17.   | 1.4 | 31        |
| 418 | The neogenin/DCC homolog UNC-40 promotes BMP signaling via the RGM protein DRAG-1 in <i>C. elegans</i> . Development (Cambridge), 2013, 140, 4070-4080.   | 1.2 | 28        |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 419 | Iron Metabolism and Related Disorders. , 2013, , 1-41.  |      | 4         |
| 420 | Repulsive guidance molecules (RGMs) and neogenin in bone morphogenetic protein (BMP) signaling. Molecular Reproduction and Development, 2013, 80, 700-717.  | 1.0  | 29        |
| 421 | Systemic Iron Homeostasis. Physiological Reviews, 2013, 93, 1721-1741.  | 13.1 | 854       |
| 422 | Differential regulation of myeloid leukemias by the bone marrow microenvironment. Nature Medicine, 2013, 19, 1513-1517.   | 15.2 | 233       |
| 423 | Iron Metabolism in Man. Journal of Parenteral and Enteral Nutrition, 2013, 37, 599-606.   | 1.3  | 45        |
| 424 | Iron refractory iron deficiency anemia. Haematologica, 2013, 98, 845-853.   | 1.7  | 142       |
| 425 | Iron metabolic disorder in chronic hepatitis <sc>C</sc>: Mechanisms and relevance to hepatocarcinogenesis. Journal of Gastroenterology and Hepatology (Australia), 2013, 28, 93-98.                         | 1.4  | 33        |
| 426 | Differences in activation of mouse hepcidin by dietary iron and parenterally administered iron dextran: compartmentalization is critical for iron sensing. Journal of Molecular Medicine, 2013, 91, 95-102. | 1.7  | 44        |
| 427 | Hemojuvelinâ€™hepcidin axis modeled and analyzed using Petri nets. Journal of Biomedical Informatics, 2013, 46, 1030-1043.  | 2.5  | 24        |
| 428 | Highly Recurrent <i>TERT</i> Promoter Mutations in Human Melanoma. Science, 2013, 339, 957-959.   | 6.0  | 1,621     |
| 429 | Iron Homeostasis in the Liver. , 2013, 3, 315-330.  |      | 165       |
| 430 | Hepcidin is a Potential Regulator of Iron Status in Chronic Kidney Disease. Therapeutic Apheresis and Dialysis, 2013, 17, 1-8.  | 0.4  | 31        |
| 431 | Cardiomyocytes. Biomathematical and Biomechanical Modeling of the Circulatory and Ventilatory Systems, 2013, , 189-269.   | 0.1  | 0         |
| 433 | Regulatory Effects of Cu, Zn, and Ca on Fe Absorption: The Intricate Play between Nutrient Transporters. Nutrients, 2013, 5, 957-970.   | 1.7  | 46        |
| 434 | Mammalian Iron Homeostasis in Health and Disease: Uptake, Storage, Transport, and Molecular Mechanisms of Action. Antioxidants and Redox Signaling, 2013, 18, 2473-2507.                                    | 2.5  | 172       |
| 435 | Serum hepcidin levels and muscle iron proteins in humans injected with lowâ€™or highâ€™dose erythropoietin. European Journal of Haematology, 2013, 91, 74-84.   | 1.1  | 23        |
| 436 | Smad6 and Smad7 are co-regulated with hepcidin in mouse models of iron overload. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2013, 1832, 76-84.   | 1.8  | 36        |
| 437 | Inhibition of RNA Helicase Brr2 by the C-Terminal Tail of the Spliceosomal Protein Prp8. Science, 2013, 341, 80-84.   | 6.0  | 122       |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 438 | Dragon (Repulsive Guidance Molecule RGMb) Inhibits E-cadherin Expression and Induces Apoptosis in Renal Tubular Epithelial Cells. <i>Journal of Biological Chemistry</i> , 2013, 288, 31528-31539.                                       | 1.6 | 23        |
| 439 | A hepcidin lowering agent mobilizes iron for incorporation into red blood cells in an adenine-induced kidney disease model of anemia in rats. <i>Nephrology Dialysis Transplantation</i> , 2013, 28, 1733-1743.                          | 0.4 | 47        |
| 440 | Proteomic analysis and molecular modelling characterize the iron-regulatory protein haemojuvelin/repulsive guidance molecule c. <i>Biochemical Journal</i> , 2013, 452, 87-95.   | 1.7 | 7         |
| 441 | Hepcidinâ€“Minireview. <i>Journal of Clinical and Diagnostic Research JCDR</i> , 2013, 7, 1767-71.   | 0.8 | 13        |
| 442 | An Update on Iron Homeostasis: Make New Friends, but Keep the Old. <i>American Journal of the Medical Sciences</i> , 2013, 346, 413-419.   | 0.4 | 10        |
| 443 | Structure of the Repulsive Guidance Molecule (RGM)â€“Neogenin Signaling Hub. <i>Science</i> , 2013, 341, 77-80.  | 6.0 | 52        |
| 444 | Prohepcidin binds to the <i>HAMP</i> promoter and autoregulates its own expression. <i>Biochemical Journal</i> , 2013, 451, 301-311.   | 1.7 | 21        |
| 445 | Beyond anemia: hepcidin, monocytes and inflammation. <i>Biological Chemistry</i> , 2013, 394, 231-238.   | 1.2 | 24        |
| 446 | Identification and expression of iron regulators in human synovium: evidence for upregulation in haemophilic arthropathy compared to rheumatoid arthritis, osteoarthritis, and healthy controls. <i>Haemophilia</i> , 2013, 19, e218-27. | 1.0 | 47        |
| 447 | A retinoic acid receptor agonist tamibarotene suppresses iron accumulation in the liver. <i>Obesity</i> , 2013, 21, E22-5.   | 1.5 | 4         |
| 448 | A novel validated enzyme-linked immunosorbent assay to quantify soluble hemojuvelin in mouse serum. <i>Haematologica</i> , 2013, 98, 296-304.  | 1.7 | 15        |
| 449 | Manipulation of the hepcidin pathway for therapeutic purposes. <i>Haematologica</i> , 2013, 98, 1667-1676.   | 1.7 | 101       |
| 450 | Beyond anemia: hepcidin, monocytes and inflammation. <i>Biological Chemistry</i> , 2013, 394, 1-10.  | 1.2 | 8         |
| 451 | Liver iron modulates hepcidin expression during chronically elevated erythropoiesis in mice. <i>Hepatology</i> , 2013, 58, 2122-2132.  | 3.6 | 29        |
| 452 | Iron in hematology. <i>Hematologie</i> , 2013, 19, 234-240.  | 0.0 | 0         |
| 453 | Iron regulation by hepcidin. <i>Journal of Clinical Investigation</i> , 2013, 123, 2337-2343.  | 3.9 | 171       |
| 454 | Ferristatin II Promotes Degradation of Transferrin Receptor-1 In Vitro and In Vivo. <i>PLoS ONE</i> , 2013, 8, e70199.   | 1.1 | 34        |
| 455 | Inflammation Regulates TMPRSS6 Expression via STAT5. <i>PLoS ONE</i> , 2013, 8, e82127.  | 1.1 | 23        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 456 | Iron Supplementation in Suckling Piglets: How to Correct Iron Deficiency Anemia without Affecting Plasma Hepcidin Levels. PLoS ONE, 2013, 8, e64022.                    | 1.1 | 50        |
| 458 | BMP-7 counteracting TGF-beta1 activities in organ fibrosis. Frontiers in Bioscience - Landmark, 2013, 18, 1407.   | 3.0 | 55        |
| 459 | BMP signaling in telencephalic neural cell specification and maturation. Frontiers in Cellular Neuroscience, 2013, 7, 87.   | 1.8 | 50        |
| 460 | Out of Balance—Systemic Iron Homeostasis in Iron-Related Disorders. Nutrients, 2013, 5, 3034-3061.  | 1.7 | 144       |
| 461 | Role of hepcidin in the pathophysiology and diagnosis of anemia. Blood Research, 2013, 48, 10.  | 0.5 | 113       |
| 462 | Bmp6 Expression Can Be Regulated Independently of Liver Iron in Mice. PLoS ONE, 2014, 9, e84906.  | 1.1 | 11        |
| 463 | The role of hepatic transferrin receptor 2 in the regulation of iron homeostasis in the body. Frontiers in Pharmacology, 2014, 5, 34.                                   | 1.6 | 51        |
| 464 | Molecular basis of HFE-hemochromatosis. Frontiers in Pharmacology, 2014, 5, 42.   | 1.6 | 35        |
| 465 | Hypoxia induced downregulation of hepcidin is mediated by platelet derived growth factor BB. Gut, 2014, 63, 1951-1959.  | 6.1 | 127       |
| 466 | The liver: conductor of systemic iron balance. Blood, 2014, 123, 168-176.   | 0.6 | 136       |
| 467 | The role of TMPRSS6/matriptase-2 in iron regulation and anemia. Frontiers in Pharmacology, 2014, 5, 114.  | 1.6 | 50        |
| 468 | Potential Roles of Bone Morphogenetic Protein (BMP)-9 in Human Liver Diseases. International Journal of Molecular Sciences, 2014, 15, 5199-5220.                        | 1.8 | 55        |
| 469 | Iron deficiency in systemic sclerosis patients with and without pulmonary hypertension. Rheumatology, 2014, 53, 285-292.  | 0.9 | 56        |
| 470 | The role of hepcidin and its related genes (BMP6, GDF-15, and HJV) in rats exposed to ischemia and reperfusion. Turkish Journal of Medical Sciences, 2014, 44, 576-581. | 0.4 | 1         |
| 471 | Hemojuvelin and bone morphogenetic protein (BMP) signaling in iron homeostasis. Frontiers in Pharmacology, 2014, 5, 104.  | 1.6 | 84        |
| 472 | A Multi-Scale Model of Hepcidin Promoter Regulation Reveals Factors Controlling Systemic Iron Homeostasis. PLoS Computational Biology, 2014, 10, e1003421.              | 1.5 | 22        |
| 473 | RGM Regulates BMP-Mediated Secondary Axis Formation in the Sea Anemone Nematostella vectensis. Cell Reports, 2014, 9, 1921-1930.  | 2.9 | 50        |
| 474 | Iron age: novel targets for iron overload. Hematology American Society of Hematology Education Program, 2014, 2014, 216-221.  | 0.9 | 10        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 475 | The iron cycle in chronic kidney disease (CKD): from genetics and experimental models to CKD patients. <i>Nephrology Dialysis Transplantation</i> , 2014, 29, 263-273.   | 0.4 | 67        |
| 476 | Increased hepcidin expression in non-small cell lung cancer tissue and serum is associated with clinical stage. <i>Thoracic Cancer</i> , 2014, 5, 14-24.   | 0.8 | 43        |
| 478 | Anti-mouse CD52 monoclonal antibody ameliorates iron-deficient anaemia in IL-10 knockout mice. <i>British Journal of Nutrition</i> , 2014, 111, 987-995.   | 1.2 | 11        |
| 479 | Roles of the hepcidin-ferroportin axis and iron in cancer. <i>European Journal of Cancer Prevention</i> , 2014, 23, 122-133.   | 0.6 | 32        |
| 480 | Cardiac Involvement in Hemochromatosis. <i>Cardiology in Review</i> , 2014, 22, 56-68.   | 0.6 | 101       |
| 481 | Quercetin prevents ethanol-induced iron overload by regulating hepcidin through the BMP6/SMAD4 signaling pathway. <i>Journal of Nutritional Biochemistry</i> , 2014, 25, 675-682.  | 1.9 | 37        |
| 482 | Glycol-split nonanticoagulant heparins are inhibitors of hepcidin expression in vitro and in vivo. <i>Blood</i> , 2014, 123, 1564-1573.  | 0.6 | 62        |
| 483 | Identification of mechanosensitive genes during skeletal development: alteration of genes associated with cytoskeletal rearrangement and cell signalling pathways. <i>BMC Genomics</i> , 2014, 15, 48.   | 1.2 | 80        |
| 484 | Influence of post-exercise hypoxic exposure on hepcidin response in athletes. <i>European Journal of Applied Physiology</i> , 2014, 114, 951-959.  | 1.2 | 24        |
| 485 | BuMPing iron with modified heparins. <i>Blood</i> , 2014, 123, 1440-1441.  | 0.6 | 0         |
| 486 | 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        |
| 487 | MicroRNA-130a Is Up-regulated in Mouse Liver by Iron Deficiency and Targets the Bone Morphogenetic Protein (BMP) Receptor ALK2 to Attenuate BMP Signaling and Hepcidin Transcription. <i>Journal of Biological Chemistry</i> , 2014, 289, 23796-23808. | 1.6 | 36        |
| 488 | The soluble form of HFE protein regulates hephaestin mRNA expression in the duodenum through an endocytosis-dependent mechanism. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 2298-2305.                            | 1.8 | 4         |
| 489 | Sex Differences in Iron Status and Hepcidin Expression in Rats. <i>Biological Trace Element Research</i> , 2014, 160, 258-267.   | 1.9 | 37        |
| 490 | A complex signaling network involving protein kinase CK2 is required for hepatitis C virus core protein-mediated modulation of the iron-regulatory hepcidin gene expression. <i>Cellular and Molecular Life Sciences</i> , 2014, 71, 4243-4258.        | 2.4 | 20        |
| 491 | Hepcidin and sports anemia. <i>Cell and Bioscience</i> , 2014, 4, 19.  | 2.1 | 37        |
| 492 | Non-HFE hemochromatosis: Pathophysiological and diagnostic aspects. <i>Clinics and Research in Hepatology and Gastroenterology</i> , 2014, 38, 143-154.  | 0.7 | 36        |
| 493 | Bone Morphogenetic Proteins as Regulators of Iron Metabolism. <i>Annual Review of Nutrition</i> , 2014, 34, 77-94.   | 4.3 | 88        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 494 | Regulation of cellular iron metabolism and its implications in lung cancer progression. <i>Medical Oncology</i> , 2014, 31, 28.   | 1.2 | 27        |
| 495 | Sex differences and steroid modulation of cardiac iron in a mouse model of iron overload. <i>Translational Research</i> , 2014, 163, 151-159.   | 2.2 | 11        |
| 496 | Regulation of hepcidin through GDF-15 in cancer-related anemia. <i>Clinica Chimica Acta</i> , 2014, 428, 14-19.   | 0.5 | 25        |
| 497 | Iron-Refractory Iron Deficiency Anemia (IRIDA). <i>Hematology/Oncology Clinics of North America</i> , 2014, 28, 637-652.  | 0.9 | 68        |
| 498 | Hepcidin expression in liver cells: evaluation of mRNA levels and transcriptional regulation. <i>Gene</i> , 2014, 546, 50-55.   | 1.0 | 21        |
| 499 | Modulation of Hepcidin as Therapy for Primary and Secondary Iron Overload Disorders. <i>Hematology/Oncology Clinics of North America</i> , 2014, 28, 387-401.   | 0.9 | 36        |
| 500 | Tumour angiogenesis and repulsive guidance molecule b: A role in HGF- and BMP-7-mediated angiogenesis. <i>International Journal of Oncology</i> , 2014, 45, 1304-1312.  | 1.4 | 15        |
| 501 | The type I BMP receptor Alk3 is required for the induction of hepatic hepcidin gene expression by interleukin-6. <i>Blood</i> , 2014, 123, 2261-2268.   | 0.6 | 56        |
| 502 | HFE interacts with the BMP type I receptor ALK3 to regulate hepcidin expression. <i>Blood</i> , 2014, 124, 1335-1343.   | 0.6 | 110       |
| 503 | BMP type II receptors have redundant roles in the regulation of hepatic hepcidin gene expression and iron metabolism. <i>Blood</i> , 2014, 124, 2116-2123.  | 0.6 | 66        |
| 504 | Repulsive Guidance Molecules a, b and c Are Skeletal Muscle Proteins, and Repulsive Guidance Molecule a Promotes Cellular Hypertrophy and Is Necessary for Myotube Fusion. <i>Cells Tissues Organs</i> , 2014, 200, 326-338.  | 1.3 | 4         |
| 505 | Renal iron overload in rats with diabetic nephropathy. <i>Physiological Reports</i> , 2015, 3, e12654.  | 0.7 | 25        |
| 506 | Oral administration of a bone morphogenetic protein type I receptor inhibitor prevents the development of anemia of inflammation. <i>Haematologica</i> , 2015, 100, e68-e71.  | 1.7 | 35        |
| 507 | Regulators and effectors of bone morphogenetic protein signalling in the cardiovascular system. <i>Journal of Physiology</i> , 2015, 593, 2995-3011.  | 1.3 | 23        |
| 508 | Hepcidin promotes osteogenic differentiation through the bone morphogenetic protein 2/small mothers against decapentaplegic and mitogen-activated protein kinase/P38 signaling pathways in mesenchymal stem cells. <i>Molecular Medicine Reports</i> , 2015, 11, 143-150. | 1.1 | 22        |
| 509 | Hepcidin: regulation of the master iron regulator. <i>Bioscience Reports</i> , 2015, 35, .  | 1.1 | 159       |
| 510 | Deficits of learning and memory in Hemojuvelin knockout mice. <i>Journal of Veterinary Medical Science</i> , 2015, 77, 1235-1240.   | 0.3 | 1         |
| 511 | Endofin, a novel BMP-SMAD regulator of the iron-regulatory hormone, hepcidin. <i>Scientific Reports</i> , 2015, 5, 13986.   | 1.6 | 24        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 512 | Study on expression of lncRNA RGMB-AS1 and repulsive guidance molecule b in non-small cell lung cancer. <i>Diagnostic Pathology</i> , 2015, 10, 63.  | 0.9 | 23        |
| 513 | Dragon (repulsive guidance molecule b, RGMb) is a novel gene that promotes colorectal cancer growth. <i>Oncotarget</i> , 2015, 6, 20540-20554.   | 0.8 | 25        |
| 514 | Bmp6 Expression in Murine Liver Non Parenchymal Cells: A Mechanism to Control their High Iron Exporter Activity and Protect Hepatocytes from Iron Overload?. <i>PLoS ONE</i> , 2015, 10, e0122696. | 1.1 | 61        |
| 515 | An Evaluation of the Correlation between Hepcidin Serum Levels and Disease Activity in Inflammatory Bowel Disease. <i>Gastroenterology Research and Practice</i> , 2015, 2015, 1-4.                | 0.7 | 17        |
| 516 | Progesterone receptor membrane component-1 regulates hepcidin biosynthesis. <i>Journal of Clinical Investigation</i> , 2015, 126, 389-401.   | 3.9 | 75        |
| 517 | How I Diagnose Non-thalassemic Microcytic Anemias. <i>Seminars in Hematology</i> , 2015, 52, 270-278.  | 1.8 | 16        |
| 518 | Repulsive guidance molecule is a structural bridge between neogenin and bone morphogenetic protein. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 458-465.                            | 3.6 | 78        |
| 519 | Regulation of Iron Metabolism by Hepcidin under Conditions of Inflammation. <i>Journal of Biological Chemistry</i> , 2015, 290, 18975-18983.   | 1.6 | 116       |
| 520 | Anti-repulsive Guidance Molecule C (RGMc) Antibodies Increases Serum Iron in Rats and Cynomolgus Monkeys by Hepcidin Downregulation. <i>AAPS Journal</i> , 2015, 17, 930-938.                      | 2.2 | 31        |
| 521 | Impaired hepcidin expression in alpha-1-antitrypsin deficiency associated with iron overload and progressive liver disease. <i>Human Molecular Genetics</i> , 2015, 24, 6254-6263.                 | 1.4 | 30        |
| 522 | A coding polymorphism in the BMP2 gene is associated with iron overload in non-HFE haemochromatosis patients. <i>Blood Cells, Molecules, and Diseases</i> , 2015, 55, 318-319.                     | 0.6 | 1         |
| 523 | GDF-5 can act as a context-dependent BMP-2 antagonist. <i>BMC Biology</i> , 2015, 13, 77.  | 1.7 | 39        |
| 524 | The role of TMPRSS6 polymorphisms in iron deficiency anemia partially responsive to oral iron treatment. <i>American Journal of Hematology</i> , 2015, 90, 306-309.                                | 2.0 | 32        |
| 525 | Regulation of cell surface transferrin receptor-2 by iron-dependent cleavage and release of a soluble form. <i>Haematologica</i> , 2015, 100, 458-465.   | 1.7 | 48        |
| 526 | HJV and HFE Play Distinct Roles in Regulating Hepcidin. <i>Antioxidants and Redox Signaling</i> , 2015, 22, 1325-1336.   | 2.5 | 19        |
| 527 | BMP signalling: agony and antagonism in the family. <i>Trends in Cell Biology</i> , 2015, 25, 249-264.   | 3.6 | 261       |
| 528 | Decitabine Treatment Could Ameliorate Primary Iron-Overload in Myelodysplastic Syndrome Patients. <i>Cancer Investigation</i> , 2015, 33, 98-106.  | 0.6 | 3         |
| 529 | Low Intracellular Iron Increases the Stability of Matrilysin-2. <i>Journal of Biological Chemistry</i> , 2015, 290, 4432-4446.   | 1.6 | 43        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 530 | Hfe and HJV exhibit overlapping functions for iron signaling to hepcidin. <i>Journal of Molecular Medicine</i> , 2015, 93, 489-498.   | 1.7 | 32        |
| 531 | Hepcidin Levels Are Increased in Patients with Acute Ischemic Stroke: Preliminary Report. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2015, 24, 1570-1576.  | 0.7 | 17        |
| 532 | Decrease in APP and CP mRNA expression supports impairment of iron export in Alzheimer's disease patients. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 2116-2122.                   | 1.8 | 33        |
| 533 | Anemia of Chronic Disorders: New Diagnostic Tools and New Treatment Strategies. <i>Seminars in Hematology</i> , 2015, 52, 313-320.  | 1.8 | 80        |
| 534 | Iron-Refractory Iron Deficiency Anemia. <i>Turkish Journal of Haematology</i> , 2015, 32, 1-14.   | 0.2 | 9         |
| 535 | CD81 Promotes Both the Degradation of Transferrin Receptor 2 (TfR2) and the TfR2-mediated Maintenance of Hepcidin Expression. <i>Journal of Biological Chemistry</i> , 2015, 290, 7841-7850.                            | 1.6 | 14        |
| 536 | Hepcidin Regulation in Prostate and Its Disruption in Prostate Cancer. <i>Cancer Research</i> , 2015, 75, 2254-2263.  | 0.4 | 150       |
| 537 | Decreased Ferroportin Promotes Myeloma Cell Growth and Osteoclast Differentiation. <i>Cancer Research</i> , 2015, 75, 2211-2221.  | 0.4 | 82        |
| 538 | Expression of Human Hemojuvelin (HJV) Is Tightly Regulated by Two Upstream Open Reading Frames in HJV mRNA That Respond to Iron Overload in Hepatic Cells. <i>Molecular and Cellular Biology</i> , 2015, 35, 1376-1389. | 1.1 | 10        |
| 539 | Identification of 6 cleavage sites of hemojuvelin. <i>Journal of Cellular and Molecular Medicine</i> , 2015, 19, 879-888.   | 1.6 | 20        |
| 540 | Update on iron metabolism and molecular perspective of common genetic and acquired disorder, hemochromatosis. <i>Critical Reviews in Oncology/Hematology</i> , 2015, 95, 12-25.   | 2.0 | 32        |
| 541 | An overview of molecular basis of iron metabolism regulation and the associated pathologies. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 1347-1359.                                 | 1.8 | 234       |
| 542 | Hepcidin and iron disorders: new biology and clinical approaches. <i>International Journal of Laboratory Hematology</i> , 2015, 37, 92-98.  | 0.7 | 58        |
| 543 | Cellular sensing and transport of metal ions: implications in micronutrient homeostasis. <i>Journal of Nutritional Biochemistry</i> , 2015, 26, 1103-1115.  | 1.9 | 46        |
| 544 | A high-fat diet modulates iron metabolism but does not promote liver fibrosis in hemochromatotic HJV mice. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 308, G251-G261.                             | 1.6 | 34        |
| 545 | A critical role for murine transferrin receptor 2 in erythropoiesis during iron restriction. <i>British Journal of Haematology</i> , 2015, 168, 891-901.  | 1.2 | 27        |
| 546 | Branched-chain amino acids reduce hepatic iron accumulation and oxidative stress in hepatitis C virus polyprotein-expressing mice. <i>Liver International</i> , 2015, 35, 1303-1314.                                    | 1.9 | 23        |
| 547 | Mutual interaction between iron homeostasis and obesity pathogenesis. <i>Journal of Trace Elements in Medicine and Biology</i> , 2015, 30, 207-214.   | 1.5 | 53        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 548 | Iron and oxygen sensing: a tale of 2 interacting elements?. <i>Metallomics</i> , 2015, 7, 223-231.   | 1.0 | 29        |
| 549 | Hematologic Complications of Chronic Kidney Disease. , 2015, , 266-276.  |     | 1         |
| 551 | Exogenous BMP7 corrects plasma iron overload and bone loss in <i>Bmp6</i> <sup>-/-</sup> mice. <i>International Orthopaedics</i> , 2015, 39, 161-172.  | 0.9 | 29        |
| 552 | Hepcidina: su interacci3n con la hemojuvelina y su aporte en el diagn3stico de las enfermedades relacionadas con el metabolismo del hierro. <i>Revista Universitas Medica</i> , 2016, 53, 382-394. | 0.0 | 1         |
| 553 | Effects of Anti-repulsive Guidance Molecule C (RGMc/Hemojuvelin) Antibody on Hepcidin and Iron in Mouse Liver and Tumor Xenografts. <i>Clinical &amp; Experimental Pharmacology</i> , 2016, 06, .  | 0.3 | 4         |
| 554 | Monomeric gremlin is a novel vascular endothelial growth factor receptor-2 antagonist. <i>Oncotarget</i> , 2016, 7, 35353-35368.   | 0.8 | 34        |
| 555 | Iron Metabolism in Aging. , 2016, , 523-536.   |     | 0         |
| 556 | Molecular Effects of Alcohol on Iron Metabolism. , 2016, , 355-368.  |     | 5         |
| 557 | Hepcidin Regulation by Bone Morphogenetic Protein Signaling and Iron Homeostasis. <i>Journal of Nutrition &amp; Food Sciences</i> , 2016, 6, .   | 1.0 | 5         |
| 558 | Relationship between the Ingestion of a Polyphenol-Rich Drink, Hepcidin Hormone, and Long-Term Training. <i>Molecules</i> , 2016, 21, 1333.  | 1.7 | 15        |
| 559 | Heparanase Overexpression Reduces Hepcidin Expression, Affects Iron Homeostasis and Alters the Response to Inflammation. <i>PLoS ONE</i> , 2016, 11, e0164183.                                     | 1.1 | 16        |
| 560 | 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        |
| 561 | Pharmacological Targeting of the Hepcidin/Ferroportin Axis. <i>Frontiers in Pharmacology</i> , 2016, 7, 160.   | 1.6 | 100       |
| 562 | Hepcidin. <i>Medicine (United States)</i> , 2016, 95, e3150.   | 0.4 | 76        |
| 563 | Neogenin Facilitates the Induction of Hepcidin Expression by Hemojuvelin in the Liver. <i>Journal of Biological Chemistry</i> , 2016, 291, 12322-12335.  | 1.6 | 29        |
| 564 | Anti-hemojuvelin antibody corrects anemia caused by inappropriately high hepcidin levels. <i>Haematologica</i> , 2016, 101, e173-e176.   | 1.7 | 44        |
| 565 | HFE Variants and the Expression of Iron-Related Proteins in Breast Cancer-Associated Lymphocytes and Macrophages. <i>Cancer Microenvironment</i> , 2016, 9, 85-91.                                 | 3.1 | 3         |
| 566 | Molecular pathogenesis and clinical consequences of iron overload in liver cirrhosis. <i>Hepatobiliary and Pancreatic Diseases International</i> , 2016, 15, 461-479.                              | 0.6 | 30        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 567 | Biochemistry and Biology of GDF11 and Myostatin. <i>Circulation Research</i> , 2016, 118, 1125-1142.   | 2.0 | 155       |
| 568 | Repulsive Guidance Molecule b (RGMb) Is Dispensable for Normal Gonadal Function in Mice1. <i>Biology of Reproduction</i> , 2016, 94, 78.   | 1.2 | 5         |
| 569 | Investigational therapies for renal disease-induced anemia. <i>Expert Opinion on Investigational Drugs</i> , 2016, 25, 901-916.  | 1.9 | 31        |
| 570 | Limiting hepatic Bmp-Smad signaling by matriptase-2 is required for erythropoietin-mediated hepcidin suppression in mice. <i>Blood</i> , 2016, 127, 2327-2336.   | 0.6 | 90        |
| 571 | Recent advance in the molecular genetics of Wilson disease and hereditary hemochromatosis. <i>European Journal of Medical Genetics</i> , 2016, 59, 532-539.  | 0.7 | 25        |
| 572 | Signaling Receptors for TGF- $\beta$ Family Members. <i>Cold Spring Harbor Perspectives in Biology</i> , 2016, 8, a022053.   | 2.3 | 480       |
| 574 | Disorders of Iron Metabolism and Anemia in Chronic Kidney Disease. <i>Seminars in Nephrology</i> , 2016, 36, 252-261.  | 0.6 | 58        |
| 575 | Inflammation-induced up-regulation of hepcidin and down-regulation of ferroportin transcription are dependent on macrophage polarization. <i>Blood Cells, Molecules, and Diseases</i> , 2016, 61, 16-25. | 0.6 | 29        |
| 576 | Iron deficiency or anemia of inflammation?. <i>Wiener Medizinische Wochenschrift</i> , 2016, 166, 411-423.   | 0.5 | 100       |
| 577 | Macrophages and Iron Metabolism. <i>Microbiology Spectrum</i> , 2016, 4, .   | 1.2 | 51        |
| 578 | Orphan nuclear receptor SHP regulates iron metabolism through inhibition of BMP6-mediated hepcidin expression. <i>Scientific Reports</i> , 2016, 6, 34630.   | 1.6 | 12        |
| 579 | New strategies to target iron metabolism for the treatment of beta thalassemia. <i>Annals of the New York Academy of Sciences</i> , 2016, 1368, 162-168.   | 1.8 | 19        |
| 580 | Normal systemic iron homeostasis in mice with macrophage-specific deletion of transferrin receptor 2. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 310, G171-G180.                   | 1.6 | 14        |
| 581 | Bone Morphogenetic Proteins. <i>Cold Spring Harbor Perspectives in Biology</i> , 2016, 8, a021899.   | 2.3 | 356       |
| 582 | NCOA4 Deficiency Impairs Systemic Iron Homeostasis. <i>Cell Reports</i> , 2016, 14, 411-421.   | 2.9 | 167       |
| 583 | The Liver in Systemic Diseases. , 2016, , .  |     | 2         |
| 584 | Heterozygous Mutations in BMP6 Pro-peptide Lead to Inappropriate Hepcidin Synthesis and Moderate Iron Overload in Humans. <i>Gastroenterology</i> , 2016, 150, 672-683.e4.                               | 0.6 | 73        |
| 585 | Bone Morphogenetic Protein-6 Mutations Take Their Place in Iron Overload Diseases. <i>Gastroenterology</i> , 2016, 150, 556-559.   | 0.6 | 4         |



| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 586 | Homocysteine upregulates hepcidin expression through BMP6/SMAD signaling pathway in hepatocytes. <i>Biochemical and Biophysical Research Communications</i> , 2016, 471, 303-308.                                | 1.0  | 9         |
| 587 | Activin B Induces Noncanonical SMAD1/5/8 Signaling via BMP Type I Receptors in Hepatocytes: Evidence for a Role in Hepcidin Induction by Inflammation in Male Mice. <i>Endocrinology</i> , 2016, 157, 1146-1162. | 1.4  | 99        |
| 588 | Bone morphogenetic proteins in tumour associated angiogenesis and implication in cancer therapies. <i>Cancer Letters</i> , 2016, 380, 586-597.   | 3.2  | 39        |
| 589 | Modulation of hepcidin to treat iron deregulation: potential clinical applications. <i>Expert Review of Hematology</i> , 2016, 9, 169-186.   | 1.0  | 46        |
| 590 | Targeting BMP signalling in cardiovascular disease and anaemia. <i>Nature Reviews Cardiology</i> , 2016, 13, 106-120.  | 6.1  | 193       |
| 591 | Hepcidin as a Major Component of Renal Antibacterial Defenses against Uropathogenic <i>Escherichia coli</i> . <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 835-846.                    | 3.0  | 42        |
| 592 | Regulation of the Iron Homeostatic Hormone Hepcidin. <i>Advances in Nutrition</i> , 2017, 8, 126-136.  | 2.9  | 289       |
| 593 | Targeting iron metabolism in drug discovery and delivery. <i>Nature Reviews Drug Discovery</i> , 2017, 16, 400-423.  | 21.5 | 258       |
| 594 | A Red Carpet for Iron Metabolism. <i>Cell</i> , 2017, 168, 344-361.  | 13.5 | 847       |
| 595 | Erythropoietin administration increases splenic erythroferrone protein content and liver TMPRSS6 protein content in rats. <i>Blood Cells, Molecules, and Diseases</i> , 2017, 64, 1-7.                           | 0.6  | 11        |
| 596 | Decreasing TfR1 expression reverses anemia and hepcidin suppression in $\beta^2$ -thalassemic mice. <i>Blood</i> , 2017, 129, 1514-1526.   | 0.6  | 52        |
| 597 | The Central Role of BMP Signaling in Regulating Iron Homeostasis. , 2017, , 345-356.   |      | 0         |
| 598 | The $\alpha$ -Iron of Iron Overload and Iron Deficiency in Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 196, 1103-1112.                      | 2.5  | 76        |
| 599 | Reciprocal regulation between hepcidin and erythropoiesis and its therapeutic application in erythroid disorders. <i>Experimental Hematology</i> , 2017, 52, 24-31.  | 0.2  | 18        |
| 600 | A new form of IRIDA due to combined heterozygous mutations of TMPRSS6 and ACVR1A encoding the BMP receptor ALK2. <i>Blood</i> , 2017, 129, 3392-3395.  | 0.6  | 18        |
| 601 | Smad1/5 is required for erythropoietin-mediated suppression of hepcidin in mice. <i>Blood</i> , 2017, 130, 73-83.  | 0.6  | 69        |
| 602 | Hepcidin: a real-time biomarker of iron need. <i>Metallomics</i> , 2017, 9, 606-618.   | 1.0  | 21        |
| 603 | Iron homeostasis: An anthropocentric perspective. <i>Journal of Biological Chemistry</i> , 2017, 292, 12727-12734.   | 1.6  | 153       |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 604 | The liver in regulation of iron homeostasis. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 313, G157-G165.  | 1.6 | 74        |
| 605 | Role of hepcidin-ferroportin axis in the pathophysiology, diagnosis, and treatment of anemia of chronic inflammation. <i>Hemodialysis International</i> , 2017, 21, S37-S46.     | 0.4 | 33        |
| 606 | Systemic iron homeostasis and erythropoiesis. <i>IUBMB Life</i> , 2017, 69, 399-413.   | 1.5 | 82        |
| 607 | Pathophysiological consequences and benefits of <i>HFE</i> mutations: 20 years of research. <i>Haematologica</i> , 2017, 102, 809-817.   | 1.7 | 49        |
| 609 | The Systems Biology of Bone Morphogenetic Proteins. , 2017, , 15-38.   |     | 4         |
| 610 | “Pumping iron” how macrophages handle iron at the systemic, microenvironmental, and cellular levels. <i>Pflügers Archiv European Journal of Physiology</i> , 2017, 469, 397-418. | 1.3 | 132       |
| 611 | BMP and BMP Regulation: Structure and Function. , 2017, , 73-111.  |     | 1         |
| 612 | Endothelial cells produce bone morphogenetic protein 6 required for iron homeostasis in mice. <i>Blood</i> , 2017, 129, 405-414.   | 0.6 | 176       |
| 613 | RGMs: Structural Insights, Molecular Regulation, and Downstream Signaling. <i>Trends in Cell Biology</i> , 2017, 27, 365-378.  | 3.6 | 83        |
| 614 | Anemia of Inflammation. <i>Medical Clinics of North America</i> , 2017, 101, 285-296.  | 1.1 | 143       |
| 615 | Clinical, laboratory, and hemostatic findings in cats with naturally occurring sepsis. <i>Journal of the American Veterinary Medical Association</i> , 2017, 251, 1025-1034.     | 0.2 | 20        |
| 616 | Hemojuvelin regulates the innate immune response to peritoneal bacterial infection in mice. <i>Cell Discovery</i> , 2017, 3, 17028.  | 3.1 | 11        |
| 617 | Bone morphogenetic protein 2 controls iron homeostasis in mice independent of Bmp6. <i>American Journal of Hematology</i> , 2017, 92, 1204-1213.                                 | 2.0 | 85        |
| 618 | Matriptase-2 suppresses hepcidin expression by cleaving multiple components of the hepcidin induction pathway. <i>Journal of Biological Chemistry</i> , 2017, 292, 18354-18371.  | 1.6 | 52        |
| 619 | Minor variant of rs 16827043 in the iron regulator hemojuvelin gene (HJV) contributes to hypertension. <i>Medicine (United States)</i> , 2017, 96, e6052.                        | 0.4 | 6         |
| 620 | Iron metabolism and the role of the iron-regulating hormone hepcidin in health and disease. <i>Presse Medicale</i> , 2017, 46, e272-e278.  | 0.8 | 69        |
| 621 | Iron metabolism: State of the art. <i>Transfusion Clinique Et Biologique</i> , 2017, 24, 115-119.  | 0.2 | 38        |
| 622 | CHIPs and engraftment dips. <i>Blood</i> , 2017, 130, 7-9.   | 0.6 | 0         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 623 | Hemochromatosis, iron-loading anemia, and SMAD. <i>Blood</i> , 2017, 130, 6-7.  | 0.6 | 8         |
| 624 | Soluble hemojuvelin in transfused and untransfused thalassaemic subjects. <i>European Journal of Haematology</i> , 2017, 98, 67-74.   | 1.1 | 4         |
| 625 | Two-stage study of lung cancer risk modification by a functional variant in the 3' untranslated region of SMAD5 based on the bone morphogenetic protein pathway. <i>Molecular and Clinical Oncology</i> , 2017, 8, 38-46.                     | 0.4 | 8         |
| 626 | Nicotinamide N-methyltransferase expression decreases in iron overload, exacerbating toxicity in mouse hepatocytes. <i>Hepatology Communications</i> , 2017, 1, 803-815.  | 2.0 | 4         |
| 627 | Macrophages and Iron Metabolism. , 2017, , 803-812.   |     | 0         |
| 628 | Hepcidin and the Hormonal Control of Iron Homeostasis. , 2017, , 175-186.   |     | 1         |
| 629 | Acidic Polysaccharide from <i>Angelica sinensis</i> Reverses Anemia of Chronic Disease Involving the Suppression of Inflammatory Hepcidin and NF- $\kappa$ B Activation. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-13. | 1.9 | 10        |
| 630 | Differences In Hepatic Expression of Iron, Inflammation and Stress-Related Genes in Patients with Nonalcoholic Steatohepatitis. <i>Annals of Hepatology</i> , 2017, 16, 77-85.  | 0.6 | 28        |
| 631 | Studying hepcidin and related pathways in osteoblasts using a mouse model with insulin receptor substrate 1 loss of function. <i>Molecular Medicine Reports</i> , 2018, 17, 350-357.  | 1.1 | 5         |
| 632 | Erythroferrone: An Erythroid Regulator of Hepcidin and Iron Metabolism. <i>HemaSphere</i> , 2018, 2, e35.   | 1.2 | 60        |
| 633 | Matriptase-2 deficiency protects from obesity by modulating iron homeostasis. <i>Nature Communications</i> , 2018, 9, 1350.   | 5.8 | 32        |
| 634 | Proteomics and Metabolomics for AKI Diagnosis. <i>Seminars in Nephrology</i> , 2018, 38, 63-87.   | 0.6 | 59        |
| 635 | TGF- $\beta$ family co-receptor function and signaling. <i>Acta Biochimica Et Biophysica Sinica</i> , 2018, 50, 12-36.  | 0.9 | 150       |
| 636 | Low hepcidin in liver fibrosis and cirrhosis; a tale of progressive disorder and a case for a new biochemical marker. <i>Molecular Medicine</i> , 2018, 24, 5.  | 1.9 | 39        |
| 637 | Deficiency of the BMP Type I receptor ALK3 partly protects mice from anemia of inflammation. <i>BMC Physiology</i> , 2018, 18, 3.   | 3.6 | 5         |
| 638 | Iron and innate antimicrobial immunity "Depriving the pathogen, defending the host." <i>Journal of Trace Elements in Medicine and Biology</i> , 2018, 48, 118-133.  | 1.5 | 82        |
| 639 | B7-DC (PD-L2) costimulation of CD4+ T-helper 1 response via RGMb. <i>Cellular and Molecular Immunology</i> , 2018, 15, 888-897.   | 4.8 | 32        |
| 640 | TGF- $\beta$ 2 Family Signaling in Ductal Differentiation and Branching Morphogenesis. <i>Cold Spring Harbor Perspectives in Biology</i> , 2018, 10, a031997.   | 2.3 | 21        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 641 | Bone Morphogenetic Proteinâ€‘Based Therapeutic Approaches. Cold Spring Harbor Perspectives in Biology, 2018, 10, a022327.   | 2.3 | 53        |
| 642 | Balance of cardiac and systemic hepcidin and its role in heart physiology and pathology. Laboratory Investigation, 2018, 98, 315-326.   | 1.7 | 26        |
| 643 | â€œHaemochromatoticâ€‘characteristics of the human <sc>BEL</sc>â€‘7402 cell line. British Journal of Haematology, 2018, 183, 302-306.   | 1.2 | 2         |
| 644 | What can we learn from ineffective erythropoiesis in thalassemia?. Blood Reviews, 2018, 32, 130-143.  | 2.8 | 43        |
| 645 | Association of genetic polymorphisms with erythrocyte traits: Verification of SNPs reported in a previous GWAS in a Japanese population. Gene, 2018, 642, 172-177.                          | 1.0 | 8         |
| 646 | The mechanisms of systemic iron homeostasis and etiology, diagnosis, and treatment of hereditary hemochromatosis. International Journal of Hematology, 2018, 107, 31-43.                    | 0.7 | 48        |
| 647 | Effect of tetramethylpyrazine and hyperlipidemia on hepcidin homeostasis in mice. International Journal of Molecular Medicine, 2019, 43, 501-506.   | 1.8 | 4         |
| 648 | Iron Deficiency Anaemia. , 0, , .   |     | 6         |
| 649 | Hepcidin: immunoanalytic characteristics. Annales De Biologie Clinique, 2018, 76, 705-715.  | 0.2 | 0         |
| 650 | Inherited Disorders of Iron Overload. Frontiers in Nutrition, 2018, 5, 103.   | 1.6 | 63        |
| 651 | Iron Regulation: Macrophages in Control. Pharmaceuticals, 2018, 11, 137.  | 1.7 | 124       |
| 652 | Iron overload in myelodysplastic syndromes: Evidence based guidelines from the Canadian consortium on MDS. Leukemia Research, 2018, 74, 21-41.  | 0.4 | 21        |
| 653 | Umbilical Cord Hepcidin Concentrations Are Positively Associated with the Variance in Iron Status among Multiple Birth Neonates. Journal of Nutrition, 2018, 148, 1716-1722.                | 1.3 | 17        |
| 654 | Hepcidin-mediated hypoferremic response to acute inflammation requires a threshold of Bmp6/Hjv/Smad signaling. Blood, 2018, 132, 1829-1841.   | 0.6 | 52        |
| 655 | Non- <i>HFE</i> mutations in haemochromatosis in China: combination of heterozygous mutations involving <i>HJV</i> signal peptide variants. Journal of Medical Genetics, 2018, 55, 650-660. | 1.5 | 21        |
| 656 | Adult onset hereditary hemochromatosis is associated with a novel recurrent Hemojuvelin (HJV) gene mutation in north Indians. Blood Cells, Molecules, and Diseases, 2018, 73, 14-21.        | 0.6 | 10        |
| 657 | MC-LR induces dysregulation of iron homeostasis by inhibiting hepcidin expression: A preliminary study. Chemosphere, 2018, 212, 572-584.  | 4.2 | 13        |
| 658 | Activation of Viruses by Host Proteases. , 2018, , .  |     | 16        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 659 | Membrane-Anchored Serine Proteases: Host Cell Factors in Proteolytic Activation of Viral Glycoproteins. , 2018, , 153-203.  |     | 26        |
| 660 | A severe hemojuvelin mutation leading to late onset of HFE2 -hemochromatosis. Digestive and Liver Disease, 2018, 50, 859-862.   | 0.4 | 9         |
| 661 | Advances in understanding iron metabolism and its crosstalk with erythropoiesis. British Journal of Haematology, 2018, 182, 481-494.  | 1.2 | 22        |
| 662 | Erythropoiesis. , 2018, , 207-215.  |     | 6         |
| 663 | Mechanisms and Regulation of Intestinal Iron Transport. , 2018, , 1451-1483.  |     | 8         |
| 664 | Crossing the Iron Gate: Why and How Transferrin Receptors Mediate Viral Entry. Annual Review of Nutrition, 2018, 38, 431-458.   | 4.3 | 106       |
| 665 | Liver HFE protein content is posttranscriptionally decreased in iron-deficient mice and rats. American Journal of Physiology - Renal Physiology, 2018, 315, G560-G568.            | 1.6 | 2         |
| 666 | Biology of Erythropoiesis, Erythroid Differentiation, and Maturation. , 2018, , 297-320.e14.  |     | 3         |
| 667 | Erythropoiesis: insights into pathophysiology and treatments in 2017. Molecular Medicine, 2018, 24, 11.   | 1.9 | 76        |
| 668 | The role of ClpX in erythropoietic protoporphyria. Hematology, Transfusion and Cell Therapy, 2018, 40, 182-188.   | 0.1 | 20        |
| 669 | Liver Disease in Iron Overload. , 2018, , 151-165.  |     | 2         |
| 670 | Iron overload in patients with myelodysplastic syndromes: An updated overview. Cancer, 2018, 124, 3979-3989.  | 2.0 | 24        |
| 671 | Smoking-induced iron dysregulation in the lung. Free Radical Biology and Medicine, 2019, 133, 238-247.  | 1.3 | 33        |
| 672 | Transferrin and transferrin receptors update. Free Radical Biology and Medicine, 2019, 133, 46-54.  | 1.3 | 355       |
| 673 | Effect of Iron Supplementation on the Outcome of Non-Progressive Pulmonary Mycobacterium tuberculosis Infection. Journal of Clinical Medicine, 2019, 8, 1155.                     | 1.0 | 8         |
| 674 | Iron chelators in obesity therapy “ Old drugs from a new perspective?. European Journal of Pharmacology, 2019, 861, 172614.   | 1.7 | 12        |
| 675 | Hepatic heparan sulfate is a master regulator of hepcidin expression and iron homeostasis in human hepatocytes and mice. Journal of Biological Chemistry, 2019, 294, 13292-13303. | 1.6 | 15        |
| 676 | Mechanism study of bubble removal in narrow viscous fluid by using ultrasonic vibration. Japanese Journal of Applied Physics, 2019, 58, 115503.                                   | 0.8 | 9         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 677 | Hepcidin and Anemia: A Tight Relationship. <i>Frontiers in Physiology</i> , 2019, 10, 1294.   | 1.3 | 133       |
| 679 | Regulators of hepcidin expression. <i>Vitamins and Hormones</i> , 2019, 110, 101-129.   | 0.7 | 49        |
| 680 | Therapeutic Opportunities for Hepcidin in Acute Care Medicine. <i>Critical Care Clinics</i> , 2019, 35, 357-374.  | 1.0 | 17        |
| 681 | Identification of a Novel Transcription Factor Required for Osteogenic Differentiation of Mesenchymal Stem Cells. <i>Stem Cells and Development</i> , 2019, 28, 370-383.  | 1.1 | 10        |
| 682 | Ablation of Hepatocyte Smad1, Smad5, and Smad8 Causes Severe Tissue Iron Loading and Liver Fibrosis in Mice. <i>Hepatology</i> , 2019, 70, 1986-2002.                     | 3.6 | 26        |
| 683 | Fractalkine Induces Hepcidin Expression of BV-2 Microglia and Causes Iron Accumulation in SH-SY5Y Cells. <i>Cellular and Molecular Neurobiology</i> , 2019, 39, 985-1001. | 1.7 | 28        |
| 684 | Deregulation of Hepatic Mek1/2/Erk1/2 Signaling Module in Iron Overload Conditions. <i>Pharmaceuticals</i> , 2019, 12, 70.  | 1.7 | 6         |
| 685 | The Importance of Iron Status for Young Children in Low- and Middle-Income Countries: A Narrative Review. <i>Pharmaceuticals</i> , 2019, 12, 59.                          | 1.7 | 36        |
| 686 | Hemojuvelin is a novel suppressor for Duchenne muscular dystrophy and age-related muscle wasting. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2019, 10, 557-573.  | 2.9 | 19        |
| 687 | Hepcidin as a therapeutic target for anemia and inflammation associated with chronic kidney disease. <i>Expert Opinion on Therapeutic Targets</i> , 2019, 23, 407-421.    | 1.5 | 21        |
| 688 | Effect of stimulated erythropoiesis on liver SMAD signaling pathway in iron-overloaded and iron-deficient mice. <i>PLoS ONE</i> , 2019, 14, e0215028.                     | 1.1 | 4         |
| 689 | Molecular perspective of iron uptake, related diseases, and treatments. <i>Blood Research</i> , 2019, 54, 10-16.  | 0.5 | 14        |
| 690 | Hepcidin and the BMP-SMAD pathway: An unexpected liaison. <i>Vitamins and Hormones</i> , 2019, 110, 71-99.  | 0.7 | 79        |
| 691 | Signaling pathways regulating hepcidin. <i>Vitamins and Hormones</i> , 2019, 110, 47-70.  | 0.7 | 14        |
| 692 | Hepcidin in chronic kidney disease anemia. <i>Vitamins and Hormones</i> , 2019, 110, 243-264.   | 0.7 | 14        |
| 693 | Specificity, versatility, and control of TGF- $\beta$ family signaling. <i>Science Signaling</i> , 2019, 12, .  | 1.6 | 494       |
| 694 | Bone morphogenetic protein signaling in inflammation. <i>Experimental Biology and Medicine</i> , 2019, 244, 147-156.  | 1.1 | 27        |
| 696 | Hepcidin-ferroportin axis in health and disease. <i>Vitamins and Hormones</i> , 2019, 110, 17-45.   | 0.7 | 80        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 697 | The role of heparin, heparanase and heparan sulfates in hepcidin regulation. <i>Vitamins and Hormones</i> , 2019, 110, 157-188.  | 0.7 | 11        |
| 698 | Review article: iron disturbances in chronic liver diseases other than haemochromatosis – pathogenic, prognostic, and therapeutic implications. <i>Alimentary Pharmacology and Therapeutics</i> , 2019, 49, 681-701. | 1.9 | 32        |
| 699 | The Role of Iron Regulation in Immunometabolism and Immune-Related Disease. <i>Frontiers in Molecular Biosciences</i> , 2019, 6, 116.  | 1.6 | 178       |
| 700 | Therapeutic Advances in Regulating the Hepcidin/Ferroportin Axis. <i>Pharmaceuticals</i> , 2019, 12, 170.  | 1.7 | 39        |
| 701 | Hepcidin. <i>Advances in Chronic Kidney Disease</i> , 2019, 26, 298-305.   | 0.6 | 45        |
| 702 | Liver iron sensing and body iron homeostasis. <i>Blood</i> , 2019, 133, 18-29.   | 0.6 | 196       |
| 703 | Systemic and local hepcidin as emerging and important peptides in renal homeostasis and pathology. <i>BioFactors</i> , 2019, 45, 118-134.  | 2.6 | 4         |
| 704 | Transferrin receptor 2 controls bone mass and pathological bone formation via BMP and Wnt signalling. <i>Nature Metabolism</i> , 2019, 1, 111-124.   | 5.1 | 59        |
| 705 | The catalytic, stem, and transmembrane portions of matriptase-2 are required for suppressing the expression of the iron-regulatory hormone hepcidin. <i>Journal of Biological Chemistry</i> , 2019, 294, 2060-2073.  | 1.6 | 8         |
| 706 | Antiviral activity of bone morphogenetic proteins and activins. <i>Nature Microbiology</i> , 2019, 4, 339-351.   | 5.9 | 39        |
| 707 | Mitochondrial damage and iron metabolic dysregulation in hepatitis C virus infection. <i>Free Radical Biology and Medicine</i> , 2019, 133, 193-199.   | 1.3 | 34        |
| 708 | Iron in Health and Disease: An Update. <i>Indian Journal of Pediatrics</i> , 2020, 87, 58-65.  | 0.3 | 39        |
| 709 | 3-Amidinophenylalanine-derived matriptase inhibitors can modulate hepcidin production in vitro. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2020, 393, 511-520.  | 1.4 | 2         |
| 710 | Hematologic Complications of Chronic Kidney Disease – Anemia and Platelet Disorders. , 2020, , 463-475.  |     | 0         |
| 711 | Endothelial Bone Morphogenetic Protein 2 (Bmp2) Knockout Exacerbates Hemochromatosis in Homeostatic Iron Regulator (Hfe) Knockout Mice but not Bmp6 Knockout Mice. <i>Hepatology</i> , 2020, 72, 642-655.            | 3.6 | 24        |
| 712 | Orphan Nuclear Receptor ERR $\beta$ Is a Novel Transcriptional Regulator of IL-6 Mediated Hepatic BMP6 Gene Expression in Mice. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7148.                 | 1.8 | 8         |
| 713 | Bone morphogenetic proteins: New insights into their roles and mechanisms in CNS development, pathology and repair. <i>Experimental Neurology</i> , 2020, 334, 113455.   | 2.0 | 18        |
| 714 | Structural perspective of BMP ligands and signaling. <i>Bone</i> , 2020, 140, 115549.  | 1.4 | 35        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 715 | Liver Sinusoidal Endothelial Cells at the Crossroad of Iron Overload and Liver Fibrosis. <i>Antioxidants and Redox Signaling</i> , 2021, 35, 474-486.  | 2.5 | 6         |
| 716 | Age-Related Changes and Sex-Related Differences in Brain Iron Metabolism. <i>Nutrients</i> , 2020, 12, 2601.   | 1.7 | 32        |
| 717 | Hepcidin Is Essential for Alveolar Macrophage Function and Is Disrupted by Smoke in a Murine Chronic Obstructive Pulmonary Disease Model. <i>Journal of Immunology</i> , 2020, 205, 2489-2498.               | 0.4 | 13        |
| 718 | Antibacterial and antiparasitic activities analysis of a hepcidin-like antimicrobial peptide from <i>Larimichthys crocea</i> . <i>Acta Oceanologica Sinica</i> , 2020, 39, 129-139.                          | 0.4 | 6         |
| 719 | Acute invariant NKT cell activation triggers an immune response that drives prominent changes in iron homeostasis. <i>Scientific Reports</i> , 2020, 10, 21026.  | 1.6 | 5         |
| 720 | Erythroferrone lowers hepcidin by sequestering BMP2/6 heterodimer from binding to the BMP type I receptor ALK3. <i>Blood</i> , 2020, 135, 453-456.   | 0.6 | 63        |
| 721 | Regulation of Iron Homeostasis and Related Diseases. <i>Mediators of Inflammation</i> , 2020, 2020, 1-11.  | 1.4 | 26        |
| 722 | The ectodomain of matriptase-2 plays an important nonproteolytic role in suppressing hepcidin expression in mice. <i>Blood</i> , 2020, 136, 989-1001.  | 0.6 | 29        |
| 723 | Hepatocyte-specific deletion of peroxisomal protein PEX13 results in disrupted iron homeostasis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165882.                     | 1.8 | 4         |
| 724 | Bone morphogenetic protein receptors: Structure, function and targeting by selective small molecule kinase inhibitors. <i>Bone</i> , 2020, 138, 115472.  | 1.4 | 65        |
| 725 | Evaluation of Prognostic Factors of Severity in Acute Biliary Pancreatitis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4300.   | 1.8 | 29        |
| 726 | Repulsive guidance molecules lock growth differentiation factor 5 in an inhibitory complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 15620-15631. | 3.3 | 18        |
| 727 | Bone morphogenic proteins in iron homeostasis. <i>Bone</i> , 2020, 138, 115495.  | 1.4 | 35        |
| 730 | Multifactorial Scores and Biomarkers of Prognosis of Acute Pancreatitis: Applications to Research and Practice. <i>International Journal of Molecular Sciences</i> , 2020, 21, 338.                          | 1.8 | 64        |
| 731 | The Hepatitis C virus NS5A and core proteins exert antagonistic effects on <i>HAMP</i> gene expression: the hidden interplay with the MTF1/MRE pathway. <i>FEBS Open Bio</i> , 2021, 11, 237-250.            | 1.0 | 6         |
| 732 | The Role of Iron in Benign and Malignant Hematopoiesis. <i>Antioxidants and Redox Signaling</i> , 2021, 35, 415-432.   | 2.5 | 15        |
| 733 | Physiological and pathophysiological mechanisms of hepcidin regulation: clinical implications for iron disorders. <i>British Journal of Haematology</i> , 2021, 193, 882-893.                                | 1.2 | 37        |
| 734 | Cell-type-specific insights into iron regulatory processes. <i>American Journal of Hematology</i> , 2021, 96, 110-127.   | 2.0 | 28        |



| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 735 | Iron Accumulation and Lipid Peroxidation in the Aging Retina: Implication of Ferroptosis in Age-Related Macular Degeneration. , 2021, 12, 529.  |     | 61        |
| 736 | Iron Metabolism and Related Disorders. , 2021, , 445-499.   |     | 0         |
| 737 | The Medicinal Chemistry of Zika Virus. , 2021, , 233-295.   |     | 3         |
| 738 | Negative regulators of TGF- $\beta$ 1 signaling in renal fibrosis; pathological mechanisms and novel therapeutic opportunities. Clinical Science, 2021, 135, 275-303.   | 1.8 | 52        |
| 739 | Role of Regulatory Proteins Involved in Iron Homeostasis in Pulmonary Tuberculosis Patients and Their Household Contacts. Indian Journal of Clinical Biochemistry, 2022, 37, 77-84.                             | 0.9 | 4         |
| 740 | Iron Deficiency in Pulmonary Arterial Hypertension: A Deep Dive into the Mechanisms. Cells, 2021, 10, 477.  | 1.8 | 16        |
| 741 | Hepcidin Signaling in Health and Disease: Ironing Out the Details. Hepatology Communications, 2021, 5, 723-735.   | 2.0 | 29        |
| 742 | <scp>BMP/TGF $\beta$ </scp> signaling as a modulator of neurodegeneration in <scp>ALS</scp>. Developmental Dynamics, 2022, 251, 10-25.  | 0.8 | 5         |
| 743 | Matriptase-2 and Hemojuvelin in Hepcidin Regulation: In Vivo Immunoblot Studies in Mask Mice. International Journal of Molecular Sciences, 2021, 22, 2650.  | 1.8 | 6         |
| 744 | The hypoferremic response to acute inflammation is maintained in thalassemia mice even under parenteral iron loading. PeerJ, 2021, 9, e11367.   | 0.9 | 0         |
| 745 | <scp>TGF</scp> superfamily coâ€ receptors in cancer. Developmental Dynamics, 2022, 251, 117-143.  | 0.8 | 33        |
| 746 | Chimeric Protein IPath <sup>®</sup> with Chelating Activity Improves Atlantic Salmon <sup>™</sup> s Immunity against Infectious Diseases. Vaccines, 2021, 9, 361.   | 2.1 | 6         |
| 747 | Hepatocyte neogenin is required for hemojuvelin-mediated hepcidin expression and iron homeostasis in mice. Blood, 2021, 138, 486-499.   | 0.6 | 13        |
| 748 | Iron metabolism and management: focus on chronic kidney disease. Kidney International Supplements, 2021, 11, 46-58.   | 4.6 | 21        |
| 749 | IL-6 Regulates Hepcidin Expression Via the BMP/SMAD Pathway by Altering BMP6, Tmprss6 and Tfr2 Expressions at Normal and Inflammatory Conditions in BV2 Microglia. Neurochemical Research, 2021, 46, 1224-1238. | 1.6 | 15        |
| 750 | Nutritional immunity: the impact of metals on lung immune cells and the airway microbiome during chronic respiratory disease. Respiratory Research, 2021, 22, 133.  | 1.4 | 32        |
| 751 | Musculoskeletal complications associated with pathological iron toxicity and its molecular mechanisms. Biochemical Society Transactions, 2021, 49, 747-759.   | 1.6 | 17        |
| 752 | Black pepper prevents anemia of inflammation by inhibiting hepcidin over-expression through BMP6-SMAD1/ IL6-STAT3 signaling pathway. Free Radical Biology and Medicine, 2021, 168, 189-202.                     | 1.3 | 9         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 753 | Coordination of iron homeostasis by bone morphogenetic proteins: Current understanding and unanswered questions. <i>Developmental Dynamics</i> , 2022, 251, 26-46.  | 0.8 | 21        |
| 754 | Role of Iron in the Molecular Pathogenesis of Diseases and Therapeutic Opportunities. <i>ACS Chemical Biology</i> , 2021, 16, 945-972.  | 1.6 | 21        |
| 755 | Plasmatic Oxidative and Metabonomic Profile of Patients with Different Degrees of Biliary Acute Pancreatitis Severity. <i>Antioxidants</i> , 2021, 10, 988.   | 2.2 | 7         |
| 756 | Ironing out mechanisms of iron homeostasis and disorders of iron deficiency. <i>Journal of Clinical Investigation</i> , 2021, 131, .  | 3.9 | 54        |
| 757 | Effect of Erythropoietin on the Expression of Murine Transferrin Receptor 2. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8209.   | 1.8 | 4         |
| 758 | Shaping the bone through iron and iron-related proteins. <i>Seminars in Hematology</i> , 2021, 58, 188-200.   | 1.8 | 12        |
| 759 | Advances in understanding the crosstalk between mother and fetus on iron utilization. <i>Seminars in Hematology</i> , 2021, 58, 153-160.  | 1.8 | 5         |
| 760 | Hepcidin and Iron Metabolism in Experimental Liver Injury. <i>American Journal of Pathology</i> , 2021, 191, 1165-1179.   | 1.9 | 10        |
| 762 | 20 years of Hepcidin: How far we have come. <i>Seminars in Hematology</i> , 2021, 58, 132-144.  | 1.8 | 16        |
| 763 | Iron metabolism: pathophysiology and pharmacology. <i>Trends in Pharmacological Sciences</i> , 2021, 42, 640-656.   | 4.0 | 87        |
| 764 | Iron distribution in different tissues of homozygous <i>msk/msk</i> mice and the effects of oral iron treatments. <i>American Journal of Hematology</i> , 2021, 96, 1253-1263.  | 2.0 | 4         |
| 765 | Canonical TGF $\beta$ 2 Signaling and Its Contribution to Endometrial Cancer Development and Progression—Underestimated Target of Anticancer Strategies. <i>Journal of Clinical Medicine</i> , 2021, 10, 3900.  | 1.0 | 12        |
| 767 | Role of Iron Metabolism-Related Genes in Prenatal Development: Insights from Mouse Transgenic Models. <i>Genes</i> , 2021, 12, 1382.  | 1.0 | 5         |
| 768 | Macrophages form erythropoietic niches and regulate iron homeostasis to adapt erythropoiesis in response to infections and inflammation. <i>Experimental Hematology</i> , 2021, 103, 1-14.  | 0.2 | 9         |
| 770 | The role of iron homeostasis in remodeling immune function and regulating inflammatory disease. <i>Science Bulletin</i> , 2021, 66, 1806-1816.  | 4.3 | 59        |
| 771 | Tackling the unknowns in understanding and management of hospital acquired anemia. <i>Blood Reviews</i> , 2021, 49, 100830.   | 2.8 | 8         |
| 772 | Transcriptome and morphological analysis in <i>Caligus rogercresseyi</i> uncover the effects of Atlantic salmon vaccination with iPath $\text{A}^{\text{®}}$ . <i>Fish and Shellfish Immunology</i> , 2021, 117, 169-178.                                       | 1.6 | 5         |
| 773 | Elezanumab, a clinical stage human monoclonal antibody that selectively targets repulsive guidance molecule A to promote neuroregeneration and neuroprotection in neuronal injury and demyelination models. <i>Neurobiology of Disease</i> , 2021, 159, 105492. | 2.1 | 7         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 774 | Nerve growth factor promotes osteogenic differentiation of MC3T3-E1 cells via BMP-2/Smads pathway. <i>Annals of Anatomy</i> , 2022, 239, 151819.   | 1.0 | 12        |
| 776 | Management of Renal Anemia in Children with Chronic Kidney Disease. , 2012, , 531-568.   |     | 1         |
| 777 | A Systems Biology Approach to Iron Metabolism. <i>Advances in Experimental Medicine and Biology</i> , 2014, 844, 201-225.  | 0.8 | 96        |
| 778 | The Cellular Physiology of Iron. , 2009, , 3-29.   |     | 1         |
| 779 | Proteins of Iron Homeostasis. , 2012, , 3-25.  |     | 1         |
| 780 | Non-HFE Hemochromatosis. , 2012, , 399-416.  |     | 1         |
| 781 | Bone morphogenetic protein antagonists and kidney. , 2008, , 213-232.  |     | 2         |
| 782 | Systemic administration of bone morphogenetic proteins. , 2008, , 317-337.   |     | 1         |
| 783 | Bone morphogenetic protein signaling is fine-tuned on multiple levels. , 2008, , 81-114.   |     | 2         |
| 784 | Role and regulation of iron metabolism in erythropoiesis and disease. , 2009, , 279-298.   |     | 1         |
| 785 | Metal Metabolism and Liver. , 2016, , 123-146.   |     | 5         |
| 786 | Liver Cirrhosis with Inherited Liver Disease: Hemochromatosis. , 2019, , 47-57.  |     | 1         |
| 787 | Hemoglobin, Iron, and Bilirubin. , 2012, , 985-1030.   |     | 13        |
| 788 | Comparative analysis of high altitude hypoxia induced erythropoiesis and iron homeostasis in Indian and Kyrgyz lowlander males. <i>Current Research in Biotechnology</i> , 2020, 2, 120-130. | 1.9 | 3         |
| 790 | Iron metabolism: current facts and future decisions. <i>Biochemia Medica</i> , 2012, 22, 311-328.  | 1.2 | 65        |
| 791 | Modulation of bone morphogenetic protein signaling in vivo regulates systemic iron balance. <i>Journal of Clinical Investigation</i> , 2007, 117, 1933-1939.                                 | 3.9 | 401       |
| 792 | The liver-specific microRNA miR-122 controls systemic iron homeostasis in mice. <i>Journal of Clinical Investigation</i> , 2011, 121, 1386-1396.   | 3.9 | 221       |
| 793 | Reducing TMPRSS6 ameliorates hemochromatosis and $\beta^2$ -thalassemia in mice. <i>Journal of Clinical Investigation</i> , 2013, 123, 1531-1541.  | 3.9 | 196       |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 794 | Iron Metabolism and Disease. , 2010, , 351-378.   |     | 2         |
| 795 | Cellular and Molecular Biology of Iron-Binding Proteins. , 2010, , 167-180.   |     | 2         |
| 796 | Extrahepatic hepcidin production: The intriguing outcomes of recent years. World Journal of Clinical Cases, 2019, 7, 1926-1936.   | 0.3 | 11        |
| 797 | Modelling Systemic Iron Regulation during Dietary Iron Overload and Acute Inflammation: Role of Hepcidin-Independent Mechanisms. PLoS Computational Biology, 2017, 13, e1005322.  | 1.5 | 37        |
| 798 | Unlocking Biomarker Discovery: Large Scale Application of Aptamer Proteomic Technology for Early Detection of Lung Cancer. PLoS ONE, 2010, 5, e15003.                             | 1.1 | 183       |
| 799 | Tumor Necrosis Factor $\hat{\pm}$ Inhibits Expression of the Iron Regulating Hormone Hepcidin in Murine Models of Innate Colitis. PLoS ONE, 2012, 7, e38136.                      | 1.1 | 32        |
| 800 | Repulsive Guidance Molecule (RGM) Family Proteins Exhibit Differential Binding Kinetics for Bone Morphogenetic Proteins (BMPs). PLoS ONE, 2012, 7, e46307.                        | 1.1 | 47        |
| 801 | Spatiotemporal Expression of Repulsive Guidance Molecules (RGMs) and Their Receptor Neogenin in the Mouse Brain. PLoS ONE, 2013, 8, e55828.                                       | 1.1 | 23        |
| 802 | A Low-Molecular-Weight Compound K7174 Represses Hepcidin: Possible Therapeutic Strategy against Anemia of Chronic Disease. PLoS ONE, 2013, 8, e75568.                             | 1.1 | 16        |
| 803 | Iron-Dependent Regulation of Hepcidin in H $\hat{v}$ <sup>+/+</sup> Mice: Evidence That Hemojuvelin Is Dispensable for Sensing Body Iron Levels. PLoS ONE, 2014, 9, e85530.       | 1.1 | 32        |
| 804 | Low Serum Hepcidin in Patients with Autoimmune Liver Diseases. PLoS ONE, 2015, 10, e0135486.  | 1.1 | 25        |
| 805 | Effect of Erythropoietin, Iron Deficiency and Iron Overload on Liver Matriptase-2 (TMPRSS6) Protein Content in Mice and Rats. PLoS ONE, 2016, 11, e0148540.                       | 1.1 | 19        |
| 806 | Long Noncoding RNA RGMB-AS1 Indicates a Poor Prognosis and Modulates Cell Proliferation, Migration and Invasion in Lung Adenocarcinoma. PLoS ONE, 2016, 11, e0150790.             | 1.1 | 28        |
| 807 | Mesenchymal stromal cells (MSCs) induce ex vivo proliferation and erythroid commitment of cord blood haematopoietic stem cells (CB-CD34+ cells). PLoS ONE, 2017, 12, e0172430.    | 1.1 | 35        |
| 808 | Hepcidin and Host Defense against Infectious Diseases. PLoS Pathogens, 2015, 11, e1004998.  | 2.1 | 163       |
| 809 | Polycythemia in Patients With Hereditary Hemochromatosis: Real or Myth?. Journal of Clinical Medicine Research, 2019, 11, 422-427.  | 0.6 | 3         |
| 810 | Hepcidin: Biological Activity, Analytical Methods in Biological Fluids, Clinical Applications and Antagonists. A Short Review. Current Pharmaceutical Analysis, 2011, 7, 160-166. | 0.3 | 1         |
| 811 | Genetic factors associated with iron storage in Australian blood donors. Blood Transfusion, 2018, 16, 123-129.  | 0.3 | 11        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 812 | Up-regulation of hepcidin by interleukin-6 contributes to anemia of inflammation in multicentric Castleman's disease (MCD). <i>Inflammation and Regeneration</i> , 2012, 32, 099-106.           | 1.5 | 1         |
| 813 | Phenotypic and functional data confirm causality of the recently identified hemojuvelin p.r176c missense mutation. <i>Haematologica</i> , 2007, 92, 1262-1263.                                  | 1.7 | 8         |
| 814 | Iron overload induces BMP6 expression in the liver but not in the duodenum. <i>Haematologica</i> , 2011, 96, 199-203.   | 1.7 | 48        |
| 815 | Decreased Hemojuvelin Protein Levels in Mask Mice Lacking Matriptase-2-Dependent Proteolytic Activity. <i>Physiological Research</i> , 2013, 62, 405-411.                                       | 0.4 | 10        |
| 816 | Hepcidin antagonists for potential treatments of disorders with hepcidin excess. <i>Frontiers in Pharmacology</i> , 2014, 5, 86.  | 1.6 | 100       |
| 817 | Function of the hemochromatosis protein HFE: Lessons from animal models. <i>World Journal of Gastroenterology</i> , 2008, 14, 6893.   | 1.4 | 38        |
| 818 | Hepcidin modulation in human diseases: From research to clinic. <i>World Journal of Gastroenterology</i> , 2009, 15, 538.   | 1.4 | 92        |
| 819 | Liver iron transport. <i>World Journal of Gastroenterology</i> , 2007, 13, 4725.  | 1.4 | 124       |
| 820 | Liver-gut axis in the regulation of iron homeostasis. <i>World Journal of Gastroenterology</i> , 2007, 13, 4737.  | 1.4 | 21        |
| 822 | Design and Rationale for the Study of Changes in Iron and Atherosclerosis Risk in Perimenopause. <i>Journal of Clinical &amp; Experimental Cardiology</i> , 2011, 02, 152.                      | 0.0 | 6         |
| 823 | Gender-related variations in iron metabolism and liver diseases. <i>World Journal of Hepatology</i> , 2010, 2, 302.   | 0.8 | 74        |
| 824 | The role of hepcidin and haemojuvelin in the pathogenesis of iron disorders in patients with severe malnutrition. <i>Annals of Agricultural and Environmental Medicine</i> , 2014, 21, 336-338. | 0.5 | 1         |
| 825 | Transcriptional regulation of metabolism in disease: From transcription factors to epigenetics. <i>PeerJ</i> , 2018, 6, e5062.  | 0.9 | 9         |
| 826 | Epigallocatechin-3-Gallate Suppresses BMP-6-Mediated SMAD1/5/8 Transactivation of Hepcidin Gene by Inducing SMILE in Hepatocytes. <i>Antioxidants</i> , 2021, 10, 1590.                         | 2.2 | 4         |
| 827 | Runx3 regulates iron metabolism via modulation of BMP signalling. <i>Cell Proliferation</i> , 2021, 54, e13138.   | 2.4 | 3         |
| 829 | Cancer: The role of iron and ferroptosis. <i>International Journal of Biochemistry and Cell Biology</i> , 2021, 141, 106094.  | 1.2 | 19        |
| 830 | Regulation of Iron Absorption and Distribution. , 2009, , 31-49.  |     | 2         |
| 831 | The Role of Hepcidin in Iron Homeostasis. , 2009, , 51-64.  |     | 2         |



| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 857 | Laboratory diagnostics of iron overload. Diagnostyka Laboratoryjna I WiadomoÅci PTDL, 2020, 56, 35-42.  | 0.0 | 0         |
| 858 | Bone morphogenetic protein 6â€“mediated crosstalk between endothelial cells and hepatocytes recapitulates the iron-sensing pathway inÅvitro. Journal of Biological Chemistry, 2021, 297, 101378.        | 1.6 | 10        |
| 859 | HereditÃre Lebererkrankungen. Pathologie, 2020, , 63-116.   | 0.0 | 0         |
| 860 | Iron metabolism and its disorders. , 2020, , 5371-5402.   |     | 0         |
| 861 | State-of-the-Art Lecture II: Hereditary haemochromatosis: the genes and the disease. , 0, , 55-65.  |     | 0         |
| 862 | Iron Deficiency Anemia. Clinical Pediatric Hematology-Oncology, 2020, 27, 101-112.  | 0.0 | 3         |
| 863 | I biomarcatori di carenza marziale: nuove acquisizioni fisiopatologiche e necessitÃ interpretative. Rivista Italiana Della Medicina Di Laboratorio, 2020, 16, .   | 0.2 | 0         |
| 865 | Retinal expression of the serine protease matriptase-2 (Tmprss6) and its role in retinal iron homeostasis. Molecular Vision, 2014, 20, 561-74.  | 1.1 | 8         |
| 866 | The Impact of Sex and Age on Serum Prohepcidin Concentration in Healthy Adults. Electronic Journal of the International Federation of Clinical Chemistry and Laboratory Medicine, 2009, 20, 129-35.     | 0.7 | 0         |
| 867 | The Regulation of Iron Absorption and Homeostasis. Clinical Biochemist Reviews, 2016, 37, 51-62.  | 3.3 | 119       |
| 868 | Association of SNPs within TMPRSS6 and BMP2 genes with iron deficiency status in Saudi Arabia. PLoS ONE, 2021, 16, e0257895.  | 1.1 | 3         |
| 869 | Repulsive guidance molecule acts in axon branching in Caenorhabditis elegans. Scientific Reports, 2021, 11, 22370.  | 1.6 | 1         |
| 870 | A farewell to phlebotomyâ€”use of placenta-derived drugs Laennec and Porcine for improving hereditary hemochromatosis without phlebotomy: a case report. Journal of Medical Case Reports, 2022, 16, 26. | 0.4 | 1         |
| 871 | Activation of STAT and SMAD Signaling Induces Hecpidin Re-Expression as a Therapeutic Target for Î²-Thalassemia Patients. Biomedicines, 2022, 10, 189.  | 1.4 | 4         |
| 873 | Effects of Excess Iron on the Retina: Insights From Clinical Cases and Animal Models of Iron Disorders. Frontiers in Neuroscience, 2021, 15, 794809.  | 1.4 | 3         |
| 875 | Research Progress on the Role of Iron Overload in Chronic Viral Hepatitis B. Advances in Clinical Medicine, 2022, 12, 1820-1825.  | 0.0 | 0         |
| 876 | Hemojuvelin deficiency promotes liver mitochondrial dysfunction and predisposes mice to hepatocellular carcinoma. Communications Biology, 2022, 5, 153.   | 2.0 | 2         |
| 877 | Constitutional PIGA mutations cause a novel subtype of hemochromatosis in patients with neurologic dysfunction. Blood, 2022, 139, 1418-1422.  | 0.6 | 8         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 878 | Transcriptomic characterization of the molecular mechanisms induced by RGMa during skeletal muscle nuclei accretion and hypertrophy. <i>BMC Genomics</i> , 2022, 23, 188.   | 1.2 | 2         |
| 879 | Matriptase-2/NR4A3 axis switches TGF- $\beta$ 2 action toward suppression of prostate cancer cell invasion, tumor growth, and metastasis. <i>Oncogene</i> , 2022, 41, 2833-2845.  | 2.6 | 5         |
| 884 | Hepcidin downregulation by repeated bleeding is not mediated by soluble hemojuvelin. <i>Physiological Research</i> , 2010, 59, 53-59.   | 0.4 | 15        |
| 885 | Anti-repulsive guidance molecule: An antibody treatment in spinal cord injury. , 2022, , 347-357.   |     | 0         |
| 886 | Duality of bone morphogenetic proteins in cancer: A comprehensive analysis. <i>Journal of Cellular Physiology</i> , 2022, 237, 3127-3163.   | 2.0 | 7         |
| 887 | Zoledronate and lipopolysaccharide suppress osteoblast differentiation through downregulating phosphorylation of Smad in pre-osteoblastic MC3T3-E1 cells. <i>Journal of Oral and Maxillofacial Surgery, Medicine, and Pathology</i> , 2022, , .                     | 0.2 | 1         |
| 888 | A Prolonged Bout of Running Increases Hepcidin and Decreases Dietary Iron Absorption in Trained Female and Male Runners. <i>Journal of Nutrition</i> , 2022, 152, 2039-2047.  | 1.3 | 7         |
| 889 | Coordinated activation of TGF- $\beta$ 2 and BMP pathways promotes autophagy and limits liver injury after acetaminophen intoxication. <i>Science Signaling</i> , 2022, 15, .   | 1.6 | 5         |
| 890 | Iron-Induced Hepatocarcinogenesisâ€”Preventive Effects of Nutrients. <i>Frontiers in Oncology</i> , 0, 12, .  | 1.3 | 3         |
| 891 | Molecular mechanisms of hepatic dysfunction in sickle cell disease: lessons from Townes mouse model. <i>American Journal of Physiology - Cell Physiology</i> , 2022, 323, C494-C504.  | 2.1 | 2         |
| 892 | Iron effects versus metabolic alterations in hereditary hemochromatosis driven bone loss. <i>Trends in Endocrinology and Metabolism</i> , 2022, 33, 652-663.  | 3.1 | 4         |
| 893 | Influence of supplementation of probiotic bacteria <i>Lactobacillus plantarum</i> and <i>Lactobacillus curvatus</i> on selected parameters of liver iron metabolism in rats on high-fat iron-deficient diet. <i>Journal of Functional Foods</i> , 2022, 96, 105205. | 1.6 | 2         |
| 894 | New Players in Neuronal Iron Homeostasis: Insights from CRISPRi Studies. <i>Antioxidants</i> , 2022, 11, 1807.  | 2.2 | 1         |
| 895 | Regulators of epigenetic change in ferroptosisâ€”associated cancer (Review). <i>Oncology Reports</i> , 2022, 48, .  | 1.2 | 5         |
| 896 | TMPRSS6 gene polymorphisms associated with iron deficiency anaemia among global population. <i>Egyptian Journal of Medical Human Genetics</i> , 2022, 23, .   | 0.5 | 1         |
| 898 | Pathogenesis, Diagnostics, and Treatment of Hereditary Haemochromatosis: A 150 Year-Long Understanding of an Iron Overload Disorder. <i>European Medical Journal (Chelmsford, England)</i> , 0, , 122-133.  | 3.0 | 3         |
| 899 | Low circulatory Fe and Se levels with a higher IL-6/IL-10 ratio provide nutritional immunity in tuberculosis. <i>Frontiers in Immunology</i> , 0, 13, .   | 2.2 | 3         |
| 900 | Iron as a therapeutic target in chronic liver disease. <i>World Journal of Gastroenterology</i> , 0, 29, 616-655.   | 1.4 | 4         |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 901 | Portrait of autosomal recessive diseases in the <scp>Frenchâ€Canadian</scp> founder population of <scp>Saguenayâ€Lacâ€Saintâ€Jean</scp>. American Journal of Medical Genetics, Part A, 2023, 191, 1145-1163. | 0.7 | 2         |
| 902 | Managing the Dual Nature of Iron to Preserve Health. International Journal of Molecular Sciences, 2023, 24, 3995.  | 1.8 | 4         |
| 903 | Iron, ferroptosis, and ischemic stroke. Journal of Neurochemistry, 2023, 165, 487-520.   | 2.1 | 21        |
| 904 | Relationship between iron overload caused by abnormal hepcidin expression and liver disease: A review. Medicine (United States), 2023, 102, e33225.  | 0.4 | 0         |
| 905 | Hepcidin and its multiple partners: Complex regulation of iron metabolism in health and disease. Vitamins and Hormones, 2023, , .  | 0.7 | 0         |
| 906 | Therapeutics of managing reduced red cell mass associated with chronic kidney disease â€“ Is there a case for earlier intervention?. Journal of Veterinary Pharmacology and Therapeutics, 0, , .             | 0.6 | 0         |