Tomas Ganz

List of Publications by Year in descending order

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393	64,094	616	851
papers	citations	124 h-index	244 g-index

405	405	405	35647
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hepcidin Regulates Cellular Iron Efflux by Binding to Ferroportin and Inducing Its Internalization. Science, 2004, 306, 2090-2093.	12.6	4,042
2	Defensins: antimicrobial peptides of innate immunity. Nature Reviews Immunology, 2003, 3, 710-720.	22.7	2,647
3	Endogenous Antimicrobial Peptides and Skin Infections in Atopic Dermatitis. New England Journal of Medicine, 2002, 347, 1151-1160.	27.0	2,084
4	Hepcidin, a Urinary Antimicrobial Peptide Synthesized in the Liver. Journal of Biological Chemistry, 2001, 276, 7806-7810.	3.4	1,829
5	IL-6 mediates hypoferremia of inflammation by inducing the synthesis of the iron regulatory hormone hepcidin. Journal of Clinical Investigation, 2004, 113, 1271-1276.	8.2	1,809
6	Hepcidin, a key regulator of iron metabolism and mediator of anemia of inflammation. Blood, 2003, 102, 783-788.	1.4	1,306
7	Hepcidin, a putative mediator of anemia of inflammation, is a type II acute-phase protein. Blood, 2003, 101, 2461-2463.	1.4	1,245
8	IL-6 mediates hypoferremia of inflammation by inducing the synthesis of the iron regulatory hormone hepcidin. Journal of Clinical Investigation, 2004, 113, 1271-1276.	8.2	1,184
9	Reduced Paneth cell Î±-defensins in ileal Crohn's disease. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 18129-18134.	7.1	954
10	Hepcidin and iron homeostasis. Biochimica Et Biophysica Acta - Molecular Cell Research, 2012, 1823, 1434-1443.	4.1	947
11	Antimicrobial peptides in mammalian and insect host defence. Current Opinion in Immunology, 1999, 11, 23-27.	5.5	935
12	An Antimicrobial Activity of Cytolytic T Cells Mediated by Granulysin. Science, 1998, 282, 121-125.	12.6	906
13	Mutations in HFE2 cause iron overload in chromosome 1qâ€“linked juvenile hemochromatosis. Nature Genetics, 2004, 36, 77-82.	21.4	900
14	Identification of erythroferrone as an erythroid regulator of iron metabolism. Nature Genetics, 2014, 46, 678-684.	21.4	890
15	Systemic Iron Homeostasis. Physiological Reviews, 2013, 93, 1721-1741.	28.8	854
16	Hepcidin and iron regulation, 10 years later. Blood, 2011, 117, 4425-4433.	1.4	770
17	High levels of GDF15 in thalassemia suppress expression of the iron regulatory protein hepcidin. Nature Medicine, 2007, 13, 1096-1101.	30.7	743
18	Regulation of Iron Metabolism by Hepcidin. Annual Review of Nutrition, 2006, 26, 323-342.	10.1	653

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19	Defensins of vertebrate animals. Current Opinion in Immunology, 2002, 14, 96-102.	5.5	630
20	Wound Healing and Expression of Antimicrobial Peptides/Polypeptides in Human Keratinocytes, a Consequence of Common Growth Factors. Journal of Immunology, 2003, 170, 5583-5589.	0.8	613
21	Anemia of inflammation. Blood, 2019, 133, 40-50.	1.4	609
22	Immunoassay for human serum hepcidin. Blood, 2008, 112, 4292-4297.	1.4	605
23	Iron homeostasis in host defence and inflammation. Nature Reviews Immunology, 2015, 15, 500-510.	22.7	593
24	Production of Î²-defensins by human airway epithelia. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 14961-14966.	7.1	554
25	A distinct subset of antineutrophil cytoplasmic antibodies is associated with inflammatory bowel disease. Journal of Allergy and Clinical Immunology, 1990, 86, 202-210.	2.9	505
26	Interleukin-6 regulates the zinc transporter Zip14 in liver and contributes to the hypozincemia of the acute-phase response. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 6843-6848.	7.1	487
27	The Role of Hepcidin in Iron Metabolism. Acta Haematologica, 2009, 122, 78-86.	1.4	477
28	Ironing out Ferroportin. Cell Metabolism, 2015, 22, 777-787.	16.2	474
29	In human epidermis, Î²-defensin 2 is packaged in lamellar bodies. Experimental and Molecular Pathology, 2003, 74, 180-182.	2.1	447
30	Suppression of hepcidin during anemia requires erythropoietic activity. Blood, 2006, 108, 3730-3735.	1.4	439
31	Paneth cell trypsin is the processing enzyme for human defensin-5. Nature Immunology, 2002, 3, 583-590.	14.5	423
32	Inhibition of neutrophil elastase prevents cathelicidin activation and impairs clearance of bacteria from wounds. Blood, 2001, 97, 297-304.	1.4	410
33	Hepcidin and Disorders of Iron Metabolism. Annual Review of Medicine, 2011, 62, 347-360.	12.2	404
34	The Molecular Mechanism of Hepcidin-mediated Ferroportin Down-Regulation. Molecular Biology of the Cell, 2007, 18, 2569-2578.	2.1	393
35	Hepcidin in iron overload disorders. Blood, 2005, 105, 4103-4105.	1.4	387
36	Defensins. Current Opinion in Immunology, 1994, 6, 584-589.	5.5	376

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37	Hepcidin is decreased in TFR2 hemochromatosis. Blood, 2005, 105, 1803-1806.	1.4	368
38	Defensins: Endogenous antibiotic peptides of animal cells. Cell, 1991, 64, 229-230.	28.9	365
39	Cutting Edge: IFN-Inducible ELRâ^' CXC Chemokines Display Defensin-Like Antimicrobial Activity. Journal of Immunology, 2001, 167, 623-627.	0.8	363
40	Antimicrobial peptides of vertebrates. Current Opinion in Immunology, 1998, 10, 41-44.	5.5	353
41	Detection, evaluation, and management of iron-restricted erythropoiesis. Blood, 2010, 116, 4754-4761.	1.4	350
42	The Solution Structure of Human Hepcidin, a Peptide Hormone with Antimicrobial Activity That Is Involved in Iron Uptake and Hereditary Hemochromatosis. Journal of Biological Chemistry, 2002, 277, 37597-37603.	3.4	339
43	Liver iron concentrations and urinary hepcidin in Â-thalassemia. Haematologica, 2007, 92, 583-588.	3.5	339
44	Hepcidinâ€"a regulator of intestinal iron absorption and iron recycling by macrophages. Best Practice and Research in Clinical Haematology, 2005, 18, 171-182.	1.7	325
45	Defensins and Host Defense. Science, 1999, 286, 420-421.	12.6	323
46	Anemia of Inflammation. New England Journal of Medicine, 2019, 381, 1148-1157.	27.0	323
47	Anemia of Inflammation. Hematology/Oncology Clinics of North America, 2014, 28, 671-681.	2.2	321
48	Identification of TWSG1 as a second novel erythroid regulator of hepcidin expression in murine and human cells. Blood, 2009, 114, 181-186.	1.4	311
49	Defensins and other endogenous peptide antibiotics of vertebrates. Journal of Leukocyte Biology, 1995, 58, 128-136.	3.3	298
50	Defensins. , 1995, 66, 191-205.		297
51	Human Î²-Defensin-2 Production in Keratinocytes is Regulated by Interleukin-1, Bacteria, and the State of Differentiation. Journal of Investigative Dermatology, 2002, 118, 275-281.	0.7	293
52	Molecular Control of Iron Transport. Journal of the American Society of Nephrology: JASN, 2007, 18, 394-400.	6.1	293
53	Iron Sequestration and Anemia of Inflammation. Seminars in Hematology, 2009, 46, 387-393.	3.4	283
54	Defensins. European Journal of Haematology, 1990, 44, 1-8.	2.2	282

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55	Cathelicidins: a family of endogenous antimicrobial peptides. Current Opinion in Hematology, 2002, 9, 18-22.	2.5	281
56	Hepcidinâ€"A Potential Novel Biomarker for Iron Status in Chronic Kidney Disease. Clinical Journal of the American Society of Nephrology: CJASN, 2009, 4, 1051-1056.	4.5	279
57	Synthetic hepcidin causes rapid dose-dependent hypoferremia and is concentrated in ferroportin-containing organs. Blood, 2005, 106, 2196-2199.	1.4	274
58	Iron imports. IV. Hepcidin and regulation of body iron metabolism. American Journal of Physiology - Renal Physiology, 2006, 290, G199-G203.	3.4	269
59	Activation of Toll-Like Receptor 2 on Human Tracheobronchial Epithelial Cells Induces the Antimicrobial Peptide Human Î² Defensin-2. Journal of Immunology, 2003, 171, 6820-6826.	0.8	267
60	Hepcidin-Induced Endocytosis of Ferroportin Is Dependent on Ferroportin Ubiquitination. Cell Metabolism, 2012, 15, 918-924.	16.2	261
61	Innate Antimicrobial Activity of Nasal Secretions. Infection and Immunity, 1999, 67, 3267-3275.	2.2	251
62	Structure and mapping of the human Î²-defensin HBD-2 gene and its expression at sites of inflammation. Gene, 1998, 222, 237-244.	2.2	246
63	Erythroferrone contributes to hepcidin suppression and iron overload in a mouse model of Î²-thalassemia. Blood, 2015, 126, 2031-2037.	1.4	245
64	Iron in innate immunity: starve the invaders. Current Opinion in Immunology, 2009, 21, 63-67.	5.5	244
65	Discovery of new human Î²-defensins using a genomics-based approach. Gene, 2001, 263, 211-218.	2.2	241
66	The Role of Antimicrobial Peptides in Innate Immunity. Integrative and Comparative Biology, 2003, 43, 300-304.	2.0	240
67	Competitive regulation of hepcidin mRNA by soluble and cell-associated hemojuvelin. Blood, 2005, 106, 2884-2889.	1.4	239
68	The N-terminus of hepcidin is essential for its interaction with ferroportin: structure-function study. Blood, 2006, 107, 328-333.	1.4	238
69	Iron transferrin regulates hepcidin synthesis in primary hepatocyte culture through hemojuvelin and BMP2/4. Blood, 2007, 110, 2182-2189.	1.4	235
70	Structure-function analysis of ferroportin defines the binding site and an alternative mechanism of action of hepcidin. Blood, 2018, 131, 899-910.	1.4	230
71	Localized antimicrobial peptide expression in human gingiva. Journal of Periodontal Research, 2001, 36, 285-294.	2.7	227
72	Differential Regulation of Î²-Defensin Expression in Human Skin by Microbial Stimuli. Journal of Immunology, 2005, 174, 4870-4879.	0.8	225

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73	The Human Î²-Defensin-1 and Î±-Defensins Are Encoded by Adjacent Genes: Two Peptide Families with Differing Disulfide Topology Share a Common Ancestry. Genomics, 1997, 43, 316-320.	2.9	221
74	Antimicrobial components of vaginal fluid. American Journal of Obstetrics and Gynecology, 2002, 187, 561-568.	1.3	217
75	Iron and infection. International Journal of Hematology, 2018, 107, 7-15.	1.6	214
76	Macrophages and Systemic Iron Homeostasis. Journal of Innate Immunity, 2012, 4, 446-453.	3.8	212
77	Concurrent assessment of inner and outer membrane permeabilization and bacteriolysis in E. coli by multiple-wavelength spectrophotometry. Journal of Immunological Methods, 1988, 108, 153-158.	1.4	210
78	The molecular basis of ferroportin-linked hemochromatosis. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 8955-8960.	7.1	210
79	Macrophages Acquire Neutrophil Granules for Antimicrobial Activity against Intracellular Pathogens. Journal of Immunology, 2006, 177, 1864-1871.	0.8	209
80	Posttranslational processing of hepcidin in human hepatocytes is mediated by the prohormone convertase furin. Blood Cells, Molecules, and Diseases, 2008, 40, 132-138.	1.4	206
81	Antimicrobial factors in the cervical mucus plug. American Journal of Obstetrics and Gynecology, 2002, 187, 137-144.	1.3	205
82	Hepcidin-Ferroportin Interaction Controls Systemic Iron Homeostasis. International Journal of Molecular Sciences, 2021, 22, 6493.	4.1	205
83	Evidence for distinct pathways of hepcidin regulation by acute and chronic iron loading in mice. Hepatology, 2011, 53, 1333-1341.	7.3	203
84	Expression of Antimicrobial Defensins in the Male Reproductive Tract of Rats, Mice, and Humans1. Biology of Reproduction, 2003, 68, 95-104.	2.7	202
85	Co-Regulation and Interdependence of the Mammalian Epidermal Permeability and Antimicrobial Barriers. Journal of Investigative Dermatology, 2008, 128, 917-925.	0.7	199
86	Minihepcidins are rationally designed small peptides that mimic hepcidin activity in mice and may be useful for the treatment of iron overload. Journal of Clinical Investigation, 2011, 121, 4880-4888.	8.2	198
87	Testosterone Suppresses Hepcidin in Men: A Potential Mechanism for Testosterone-Induced Erythrocytosis. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 4743-4747.	3.6	197
88	Granulysin, a T Cell Product, Kills Bacteria by Altering Membrane Permeability. Journal of Immunology, 2000, 165, 7102-7108.	0.8	195
89	Hepcidin-Induced Hypoferremia Is a Critical Host Defense Mechanism against the Siderophilic Bacterium Vibrio vulnificus. Cell Host and Microbe, 2015, 17, 47-57.	11.0	194
90	In Vitro Killing of Spores and Hyphae of Aspergillus fumigatus and Rhizopus oryzae by Rabbit Neutrophil Cationic Peptides and Bronchoalveolar Macrophages. Journal of Infectious Diseases, 1986, 154, 483-489.	4.0	193

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91	Psychological stress downregulates epidermal antimicrobial peptide expression and increases severity of cutaneous infections in mice. Journal of Clinical Investigation, 2007, 117, 3339-3349.	8.2	193
92	Proinflammatory state, hepcidin, and anemia in older persons. Blood, 2010, 115, 3810-3816.	1.4	191
93	Defensins: a family of antimicrobial and cytotoxic peptides. Toxicology, 1994, 87, 131-149.	4.2	190
94	Impaired Innate Immunity in the Newborn: Newborn Neutrophils Are Deficient in Bactericidal/Permeability-Increasing Protein. Pediatrics, 1999, 104, 1327-1333.	2.1	190
95	Regulation of iron acquisition and iron distribution in mammals. Biochimica Et Biophysica Acta - Molecular Cell Research, 2006, 1763, 690-699.	4.1	189
96	Minihepcidins prevent iron overload in a hepcidin-deficient mouse model of severe hemochromatosis. Blood, 2012, 120, 3829-3836.	1.4	184
97	Determinants of Staphylococcusaureus Nasal Carriage. Vaccine Journal, 2001, 8, 1064-1069.	2.6	181
98	Human defensin gene copy number polymorphisms: Comprehensive analysis of independent variation in Î±- and Î²-defensin regions at 8p22â€“p23. Genomics, 2005, 86, 423-430.	2.9	181
99	Cellular iron: Ferroportin is the only way out. Cell Metabolism, 2005, 1, 155-157.	16.2	180
100	Hepcidin excess induces the sequestration of iron and exacerbates tumor-associated anemia. Blood, 2005, 105, 1797-1802.	1.4	179
101	Antibiotic peptides from higher eukaryotes: biology and applications. Trends in Molecular Medicine, 1999, 5, 292-297.	2.6	177
102	Cationic Polypeptides Are Required for Antibacterial Activity of Human Airway Fluid. Journal of Immunology, 2002, 169, 6985-6991.	0.8	177
103	The role of inflammation, iron, and nutritional status in cancer-related anemia: results of a large, prospective, observational study. Haematologica, 2015, 100, 124-132.	3.5	173
104	Hepcidin levels in humans are correlated with hepatic iron stores, hemoglobin levels, and hepatic function. Blood, 2005, 106, 746-748.	1.4	170
105	Hepcidin and Its Role in Regulating Systemic Iron Metabolism. Hematology American Society of Hematology Education Program, 2006, 2006, 29-35.	2.5	169
106	Induction of activin B by inflammatory stimuli up-regulates expression of the iron-regulatory peptide hepcidin through Smad1/5/8 signaling. Blood, 2012, 120, 431-439.	1.4	169
107	Antimicrobial polypeptides. Journal of Leukocyte Biology, 2004, 75, 34-38.	3.3	167
108	Hepcidin and Host Defense against Infectious Diseases. PLoS Pathogens, 2015, 11, e1004998.	4.7	163

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109	Results of the first international round robin for the quantification of urinary and plasma hepcidin assays: need for standardization. Haematologica, 2009, 94, 1748-1752.	3.5	161
110	Antimicrobial polypeptides in host defense of the respiratory tract. Journal of Clinical Investigation, 2002, 109, 693-697.	8.2	159
111	Antimicrobial peptides of leukocytes. Current Opinion in Hematology, 1997, 4, 53-58.	2.5	157
112	By IL-1 Signaling, Monocyte-Derived Cells Dramatically Enhance the Epidermal Antimicrobial Response to Lipopolysaccharide. Journal of Immunology, 2003, 170, 575-580.	0.8	157
113	Urinary hepcidin in congenital chronic anemias. Pediatric Blood and Cancer, 2007, 48, 57-63.	1.5	157
114	Direct Cytotoxicity of Polymorphonuclear Leukocyte Granule Proteins to Human Lung-derived Cells and Endothelial Cells. The American Review of Respiratory Disease, 1990, 141, 179-185.	2.9	154
115	Iron homeostasis: An anthropocentric perspective. Journal of Biological Chemistry, 2017, 292, 12727-12734.	3.4	153
116	Defensins: antimicrobial peptides of vertebrates. Comptes Rendus - Biologies, 2004, 327, 539-549.	0.2	149
117	The molecular basis of hepcidin-resistant hereditary hemochromatosis. Blood, 2009, 114, 437-443.	1.4	149
118	Reduced serum hepcidin levels in patients with chronic hepatitis C. Journal of Hepatology, 2009, 51, 845-852.	3.7	148
119	TGF-Î± Regulates TLR Expression and Function on Epidermal Keratinocytes. Journal of Immunology, 2005, 174, 6137-6143.	0.8	146
120	Hepcidin in iron metabolism. Current Opinion in Hematology, 2004, 11, 251-254.	2.5	144
121	Blunted hepcidin response to oral iron challenge in HFE-related hemochromatosis. Blood, 2007, 110, 4096-4100.	1.4	139
122	The NMR Structure of Human Î²-Defensin-2 Reveals a Novel Î±-Helical Segment,. Biochemistry, 2001, 40, 3810-3816.	2.5	134
123	Erythroferrone contributes to recovery from anemia of inflammation. Blood, 2014, 124, 2569-2574.	1.4	132
124	Injury-induced innate immune response in human skin mediated by transactivation of the epidermal growth factor receptor. Journal of Clinical Investigation, 2006, 116, 1878-1885.	8.2	131
125	Endogenous Vertebrate Antibiotics.. Annals of the New York Academy of Sciences, 1996, 797, 228-239.	3.8	130
126	Modulation of hepcidin production during hypoxia-induced erythropoiesis in humans in vivo: data from the HIGHCARE project. Blood, 2011, 117, 2953-2959.	1.4	128

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127	Antimicrobial activity of innate immune molecules against Streptococcus pneumoniae, Moraxella catarrhalis and nontypeable Haemophilus influenzae. BMC Infectious Diseases, 2004, 4, 12.	2.9	125
128	Molecular Mechanism of Hepcidin-Mediated Ferroportin Internalization Requires Ferroportin Lysines, Not Tyrosines or JAK-STAT. Cell Metabolism, 2012, 15, 905-917.	16.2	124
129	Iron Balance and the Role of Hepcidin in Chronic Kidney Disease. Seminars in Nephrology, 2016, 36, 87-93.	1.6	124
130	Cationic defensins arise from charge-neutralized propeptides: a mechanism for avoiding leukocyte autocytotoxicity?. Journal of Leukocyte Biology, 1992, 51, 634-639.	3.3	123
131	Reversible Deficiency of Antimicrobial Polypeptides in Bacterial Vaginosis. Infection and Immunity, 2006, 74, 5693-5702.	2.2	123
132	Minihepcidin peptides as disease modifiers in mice affected by Î²-thalassemia and polycythemia vera. Blood, 2016, 128, 265-276.	1.4	123
133	Neutrophil defensins: Purification, characterization, and antimicrobial testing. Methods in Enzymology, 1994, 236, 160-172.	1.0	122
134	In anemia of multiple myeloma, hepcidin is induced by increased bone morphogenetic protein 2. Blood, 2010, 116, 3635-3644.	1.4	120
135	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.	2.5	120
136	A mouse model of anemia of inflammation: complex pathogenesis with partial dependence on hepcidin. Blood, 2014, 123, 1129-1136.	1.4	119
137	Effects of maternal iron status on placental and fetal iron homeostasis. Journal of Clinical Investigation, 2019, 130, 625-640.	8.2	119
138	Purification and characterization of defensins from cystic fibrosis sputum. Inflammation Research, 1997, 46, 98-102.	4.0	117
139	Regulation of Human Î²-Defensins by Gastric Epithelial Cells in Response to Infection with Helicobacter pylori or Stimulation with Interleukin-1. Infection and Immunity, 2000, 68, 5412-5415.	2.2	115
140	Antimicrobial polypeptides in host defense of the respiratory tract. Journal of Clinical Investigation, 2002, 109, 693-697.	8.2	114
141	Redox cycling metals: Pedaling their roles in metabolism and their use in the development of novel therapeutics. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 727-748.	4.1	111
142	The opsonizing ligand on Salmonella typhimurium influences incorporation of specific, but not azurophil, granule constituents into neutrophil phagosomes.. Journal of Cell Biology, 1989, 109, 2771-2782.	5.2	108
143	Defensins and Other Antimicrobial Peptides: A Historical Perspective and an Update. Combinatorial Chemistry and High Throughput Screening, 2005, 8, 209-217.	1.1	108
144	Disordered hepcidinâ€“ferroportin signaling promotes breast cancer growth. Cellular Signalling, 2014, 26, 2539-2550.	3.6	108

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145	Activated Î±₂-Macroglobulin Is a Principal Defensin-binding Protein. American Journal of Respiratory Cell and Molecular Biology, 1991, 5, 101-106.	2.9	107
146	Iron-regulatory protein hepcidin is increased in female athletes after a marathon. European Journal of Applied Physiology, 2005, 95, 569-571.	2.5	107
147	Iron Homeostasis: Fitting the Puzzle Pieces Together. Cell Metabolism, 2008, 7, 288-290.	16.2	107
148	Erythropoietic regulators of iron metabolism. Free Radical Biology and Medicine, 2019, 133, 69-74.	2.9	106
149	Iron Metabolism: Interactions with Normal and Disordered Erythropoiesis. Cold Spring Harbor Perspectives in Medicine, 2012, 2, a011668-a011668.	6.2	105
150	Endogenous hepcidin and its agonist mediate resistance to selected infections by clearing nonâ€“transferrin-bound iron. Blood, 2017, 130, 245-257.	1.4	105
151	Immunoassay for human serum erythroferrone. Blood, 2017, 130, 1243-1246.	1.4	104
152	Differential Scanning Microcalorimetry Indicates That Human Defensin, HNP-2, Interacts Specifically with Biomembrane Mimetic Systems,. Biochemistry, 1997, 36, 1525-1531.	2.5	103
153	Controversies in optimal anemia management: conclusions from a Kidney Disease: Improving Global Outcomes (KDIGO) Conference. Kidney International, 2021, 99, 1280-1295.	5.2	103
154	Detection of Î²-defensins secreted by human oral epithelial cells. Journal of Immunological Methods, 2001, 256, 65-76.	1.4	102
155	Functional properties of human ferroportin, a cellular iron exporter reactive also with cobalt and zinc. American Journal of Physiology - Cell Physiology, 2014, 306, C450-C459.	4.6	101
156	An in vitro study of antibacterial properties of the cervical mucus plug in pregnancy. American Journal of Obstetrics and Gynecology, 2001, 185, 586-592.	1.3	99
157	Involvement of Hepcidin in the Anemia of Multiple Myeloma. Clinical Cancer Research, 2008, 14, 3262-3267.	7.0	99
158	Hepcidin Induction by Pathogens and Pathogen-Derived Molecules Is Strongly Dependent on Interleukin-6. Infection and Immunity, 2014, 82, 745-752.	2.2	99
159	Testosterone perturbs systemic iron balance through activation of epidermal growth factor receptor signaling in the liver and repression of hepcidin. Hepatology, 2014, 59, 683-694.	7.3	99
160	Distinct Defensin Profiles inNeisseria gonorrhoeaeandChlamydia trachomatisUrethritis Reveal Novel Epithelial Cell-Neutrophil Interactions. Infection and Immunity, 2005, 73, 4823-4833.	2.2	98
161	Porcine Epithelial Î²-Defensin 1 Is Expressed in the Dorsal Tongue at Antimicrobial Concentrations. Infection and Immunity, 1999, 67, 3121-3127.	2.2	97
162	Increased inflammation in lysozyme Mâ€“deficient mice in response to Micrococcus luteus and its peptidoglycan. Blood, 2003, 101, 2388-2392.	1.4	95

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163	Hepcidin and iron-loading anemias. Haematologica, 2006, 91, 727-32.	3.5	95
164	Erythropoietin stimulates murine and human fibroblast growth factor-23, revealing novel roles for bone and bone marrow. Haematologica, 2017, 102, e427-e430.	3.5	93
165	A 450-kb contig of defensin genes on human chromosome 8p23. Gene, 1999, 233, 205-211.	2.2	92
166	Molecular pathogenesis of anemia of chronic disease. Pediatric Blood and Cancer, 2006, 46, 554-557.	1.5	92
167	Hepcidin and iron-related gene expression in subjects with Dysmetabolic Hepatic Iron Overload. Journal of Hepatology, 2008, 49, 123-133.	3.7	92
168	Soluble hemojuvelin is released by proprotein convertase-mediated cleavage at a conserved polybasic RNRR site. Blood Cells, Molecules, and Diseases, 2008, 40, 122-131.	1.4	91
169	Inhibition of hepcidin transcription by growth factors. Hepatology, 2012, 56, 291-299.	7.3	88
170	Functional analysis of the host defense peptide Human Beta Defensin-1: New insight into its potential role in cancer. Molecular Immunology, 2008, 45, 839-848.	2.2	87
171	Reduction of Serum Hepcidin by Hemodialysis in Pediatric and Adult Patients. Clinical Journal of the American Society of Nephrology: CJASN, 2010, 5, 1010-1014.	4.5	86
172	The structure of porcine protegrin genes. FEBS Letters, 1995, 368, 197-202.	2.8	85
173	Protegrins: new antibiotics of mammalian origin. Expert Opinion on Investigational Drugs, 2000, 9, 1731-1742.	4.1	84
174	Dysregulated iron metabolism in polycythemia vera: etiology and consequences. Leukemia, 2018, 32, 2105-2116.	7.2	84
175	Epithelia: Not just physical barriers. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 3357-3358.	7.1	82
176	Calcitermin, a novel antimicrobial peptide isolated from human airway secretions. FEBS Letters, 2001, 504, 5-10.	2.8	80
177	Activation of a Src-dependent Rafâ€“MEK1/2â€“ERK signaling pathway is required for IL-1Î±-induced upregulation of Î²-defensin 2 in human middle ear epithelial cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2002, 1590, 41-51.	4.1	80
178	Molecular Cloning of the Rat Metallothionein 1 (MT-1) mRNA Sequence. DNA and Cell Biology, 1983, 2, 15-22.	5.2	79
179	Iron absorption in dysmetabolic iron overload syndrome is decreased and correlates with increased plasma hepcidin. Journal of Hepatology, 2009, 50, 1219-1225.	3.7	79
180	Molecular cloning and tissue expression of porcine Î²-defensin-1. FEBS Letters, 1998, 424, 37-40.	2.8	78

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181	ACVR1/JAK1/JAK2 inhibitor momelotinib reverses transfusion dependency and suppresses hepcidin in myelofibrosis phase 2 trial. Blood Advances, 2020, 4, 4282-4291.	5.2	77
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