Clara Camaschella

List of Publications by Year
in descending order

83 papers	11,985 citations	47006 47 h-index	60623 81 g-index
84 all docs	84 docs citations	84 times ranked	11161 citing authors

#	Article	IF	Citations
1	Two to Tango: Regulation of Mammalian Iron Metabolism. Cell, 2010, 142, 24-38.	28.9	1,692
2	Iron-Deficiency Anemia. New England Journal of Medicine, 2015, 372, 1832-1843.	27.0	1,074
3	Mutant antimicrobial peptide hepcidin is associated with severe juvenile hemochromatosis. Nature Genetics, 2003, 33, 21-22.	21.4	802
4	The gene TFR2 is mutated in a new type of haemochromatosis mapping to 7q22. Nature Genetics, 2000, 25, 14-15.	21.4	751
5	The Serine Protease Matriptase-2 (TMPRSS6) Inhibits Hepcidin Activation by Cleaving Membrane Hemojuvelin. Cell Metabolism, 2008, 8, 502-511.	16.2	494
6	Clinical significance of somatic mutation in unexplained blood cytopenia. Blood, 2017, 129, 3371-3378.	1.4	379
7	Hepcidin is decreased in TFR2 hemochromatosis. Blood, 2005, 105, 1803-1806.	1.4	368
8	Iron deficiency. Blood, 2019, 133, 30-39.	1.4	363
9	Iron metabolism and iron disorders revisited in the hepcidin era. Haematologica, 2020, 105, 260-272.	3.5	349
10	Iron deficiency across chronic inflammatory conditions: International expert opinion on definition, diagnosis, and management. American Journal of Hematology, 2017, 92, 1068-1078.	4.1	290
11	The human counterpart of zebrafish shiraz shows sideroblastic-like microcytic anemia and iron overload. Blood, 2007, 110, 1353-1358.	1.4	287
12	Furin-mediated release of soluble hemojuvelin: a new link between hypoxia and iron homeostasis. Blood, 2008, 111, 924-931.	1.4	277
13	Polarization dictates iron handling by inflammatory and alternatively activated macrophages. Haematologica, 2010, 95, 1814-1822.	3.5	251
14	New mutations inactivating transferrin receptor 2 in hemochromatosis type 3. Blood, 2001, 97, 2555-2560.	1.4	232
15	Glutaredoxin 5 deficiency causes sideroblastic anemia by specifically impairing heme biosynthesis and depleting cytosolic iron in human erythroblasts. Journal of Clinical Investigation, 2010, 120, 1749-1761.	8.2	202
16	Novel loci affecting iron homeostasis and their effects in individuals at risk for hemochromatosis. Nature Communications, 2014, 5, 4926.	12.8	192
17	Italian Society of Hematology practice guidelines for the management of iron overload in thalassemia major and related disorders. Haematologica, 2008, 93, 741-752.	3.5	182
18	New insights into iron deficiency and iron deficiency anemia. Blood Reviews, 2017, 31, 225-233.	5.7	181

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19	Understanding iron homeostasis through genetic analysis of hemochromatosis and related disorders. Blood, 2005, 106, 3710-3717.	1.4	180
20	Iron refractory iron deficiency anemia. Haematologica, 2013, 98, 845-853.	3.5	142
21	Deletion of TMPRSS6 attenuates the phenotype in a mouse model of Î²-thalassemia. Blood, 2012, 119, 5021-5029.	1.4	141
22	Blunted hepcidin response to oral iron challenge in HFE-related hemochromatosis. Blood, 2007, 110, 4096-4100.	1.4	139
23	Microcytic anemia and hepatic iron overload in a child with compound heterozygous mutations in DMT1 (SCL11A2). Blood, 2006, 107, 349-354.	1.4	137
24	A potential pathogenetic role of iron in Alzheimer's disease. Journal of Cellular and Molecular Medicine, 2008, 12, 1548-1550.	3.6	134
25	Hepcidin and Anemia: A Tight Relationship. Frontiers in Physiology, 2019, 10, 1294.	2.8	133
26	The second transferrin receptor regulates red blood cell production in mice. Blood, 2015, 125, 1170-1179.	1.4	130
27	How I treat unexplained refractory iron deficiency anemia. Blood, 2014, 123, 326-333.	1.4	127
28	Ineffective erythropoiesis and regulation of iron status in iron loading anaemias. British Journal of Haematology, 2016, 172, 512-523.	2.5	124
29	Transferrin receptor 2 is a component of the erythropoietin receptor complex and is required for efficient erythropoiesis. Blood, 2010, 116, 5357-5367.	1.4	121
30	Molecular mechanisms of the defective hepcidin inhibition in TMPRSS6 mutations associated with iron-refractory iron deficiency anemia. Blood, 2009, 113, 5605-5608.	1.4	110
31	TMPRSS6 rs855791 modulates hepcidin transcription in vitro and serum hepcidin levels in normal individuals. Blood, 2011, 118, 4459-4462.	1.4	97
32	Limiting hepatic Bmp-Smad signaling by matriptase-2 is required for erythropoietin-mediated hepcidin suppression in mice. Blood, 2016, 127, 2327-2336.	1.4	90
33	Association of HFE and TMPRSS6 genetic variants with iron and erythrocyte parameters is only in part dependent on serum hepcidin concentrations. Journal of Medical Genetics, 2011, 48, 629-634.	3.2	84
34	Hereditary Sideroblastic Anemias: Pathophysiology, Diagnosis, and Treatment. Seminars in Hematology, 2009, 46, 371-377.	3.4	81
35	Defective targeting of hemojuvelin to plasma membrane is a common pathogenetic mechanism in juvenile hemochromatosis. Blood, 2007, 109, 4503-4510.	1.4	78
36	Iron and hepcidin: a story of recycling and balance. Hematology American Society of Hematology Education Program, 2013, 2013, 1-8.	2.5	76

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37	Anemia in the Elderly. HemaSphere, 2018, 2, e40.	2.7	71
38	A time course of hepcidin response to iron challenge in patients with HFE and TFR2 hemochromatosis. Haematologica, 2011, 96, 500-506.	3.5	70
39	Recent advances in the understanding of inherited sideroblastic anaemia. British Journal of Haematology, 2008, 143, 27-38.	2.5	68
40	Comparison of 3 Tfr2-deficient murine models suggests distinct functions for Tfr2-Î± and Tfr2-Î² isoforms in different tissues. Blood, 2010, 115, 3382-3389.	1.4	66
41	Bmp6 Expression in Murine Liver Non Parenchymal Cells: A Mechanism to Control their High Iron Exporter Activity and Protect Hepatocytes from Iron Overload?. PLoS ONE, 2015, 10, e0122696.	2.5	61
42	Relationship between clone metrics and clinical outcome in clonal cytopenia. Blood, 2021, 138, 965-976.	1.4	58
43	Novel TMPRSS6 mutations associated with iron-refractory iron deficiency anemia (IRIDA). Human Mutation, 2010, 31, E1390-E1405.	2.5	56
44	Functional and Clinical Impact of NovelTmprss6Variants in Iron-Refractory Iron-Deficiency Anemia Patients and Genotype-Phenotype Studies. Human Mutation, 2014, 35, n/a-n/a.	2.5	53
45	The immunophilin FKBP12 inhibits hepcidin expression by binding the BMP type I receptor ALK2 in hepatocytes. Blood, 2017, 130, 2111-2120.	1.4	49
46	BMP6 orchestrates iron metabolism. Nature Genetics, 2009, 41, 386-388.	21.4	48
47	Regulation of cell surface transferrin receptor-2 by iron-dependent cleavage and release of a soluble form. Haematologica, 2015, 100, 458-465.	3.5	48
48	Inherited disorders of iron metabolism. Current Opinion in Pediatrics, 2011, 23, 14-20.	2.0	46
49	Erythroblast apoptosis and microenvironmental iron restriction trigger anemia in the VK*MYC model of multiple myeloma. Haematologica, 2015, 100, 534-841.	3.5	45
50	The Repair of Skeletal Muscle Requires Iron Recycling through Macrophage Ferroportin. Journal of Immunology, 2016, 197, 1914-1925.	0.8	44
51	How I manage patients with atypical microcytic anaemia. British Journal of Haematology, 2013, 160, 12-24.	2.5	40
52	Iron increases the susceptibility of multiple myeloma cells to bortezomib. Haematologica, 2013, 98, 971-979.	3.5	40
53	Heterozygous missense mutations in the GLRX5 gene cause sideroblastic anemia in a Chinese patient. Blood, 2014, 124, 2750-2751.	1.4	40
54	Treating Iron Overload. New England Journal of Medicine, 2013, 368, 2325-2327.	27.0	39

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55	NCOA4-mediated ferritinophagy in macrophages is crucial to sustain erythropoiesis in mice. Haematologica, 2021, 106, 795-805.	3.5	37
56	The extrahepatic role of TFR2 in iron homeostasis. Frontiers in Pharmacology, 2014, 5, 93.	3.5	36
57	Functional Analysis of GLRX5 Mutants Reveals Distinct Functionalities of GLRX5 Protein. Journal of Cellular Biochemistry, 2016, 117, 207-217.	2.6	36
58	Iron Induces Cell Death and Strengthens the Efficacy of Antiandrogen Therapy in Prostate Cancer Models. Clinical Cancer Research, 2020, 26, 6387-6398.	7.0	36
59	The erythroid function of transferrin receptor 2 revealed by Tmprss6 inactivation in different models of transferrin receptor 2 knockout mice. Haematologica, 2014, 99, 1016-1021.	3.5	32
60	The changing landscape of iron deficiency. Molecular Aspects of Medicine, 2020, 75, 100861.	6.4	32
61	Hemojuvelin N-terminal mutants reach the plasma membrane but do not activate the hepcidin response. Haematologica, 2008, 93, 1466-1472.	3.5	28
62	Transferrin receptor 2 is a potential novel therapeutic target for Î²-thalassemia: evidence from a murine model. Blood, 2018, 132, 2286-2297.	1.4	28
63	Vaccine efficacy and iron deficiency: an intertwined pair?. Lancet Haematology,the, 2021, 8, e666-e669.	4.6	28
64	Rare Types of Genetic Hemochromatosis. Acta Haematologica, 2009, 122, 140-145.	1.4	27
65	Increased susceptibility to iron deficiency of Tmprss6-haploinsufficient mice. Blood, 2010, 116, 851-852.	1.4	25
66	Recent advances in iron metabolism and related disorders. Internal and Emergency Medicine, 2010, 5, 393-400.	2.0	25
67	Molecular Mechanisms Regulating Hepcidin Revealed by Hepcidin Disorders. Scientific World Journal, The, 2011, 11, 1357-1366.	2.1	24
68	Iron and erythropoiesis: a dual relationship. International Journal of Hematology, 2011, 93, 21-26.	1.6	24
69	Advances in understanding iron metabolism and its crosstalk with erythropoiesis. British Journal of Haematology, 2018, 182, 481-494.	2.5	22
70	Iron Causes Lipid Oxidation and Inhibits Proteasome Function in Multiple Myeloma Cells: A Proof of Concept for Novel Combination Therapies. Cancers, 2020, 12, 970.	3.7	21
71	Transient decrease of serum iron after acute erythropoietin treatment contributes to hepcidin inhibition by ERFE in mice. Haematologica, 2019, 104, e87-e90.	3.5	19
72	A new form of IRIDA due to combined heterozygous mutations of TMPRSS6 and ACVR1A encoding the BMP receptor ALK2. Blood, 2017, 129, 3392-3395.	1.4	18

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73	The mutual crosstalk between iron and erythropoiesis. International Journal of Hematology, 2022, 116, 182-191.	1.6	11
74	GDF11 is not the target of luspatercept. Blood, 2019, 134, 500-501.	1.4	10
75	High resolution melting for the identification of mutations in the iron responsive element of the ferritin light chain gene. Clinical Chemistry and Laboratory Medicine, 2010, 48, 1415-1418.	2.3	7
76	The EHA Research Roadmap: Anemias. HemaSphere, 2021, 5, e607.	2.7	7
77	Identification and characterization of the first <scp>SLC</scp>11<scp>A</scp>2 isoform 1a mutation causing a defect in splicing process and an hypomorphic allele expression of the <scp>SLC</scp>11<scp>A</scp>2 gene. British Journal of Haematology, 2012, 159, 492-495.	2.5	6
78	How to Assess Causality ofTMPRSS6Mutations?. Human Mutation, 2013, 34, 1043-1045.	2.5	6
79	DMT1 mutations: mice and humans are not alike. Blood, 2005, 105, 916-917.	1.4	4
80	Mendelian inheritance of anemia due to disturbed iron homeostasis. Seminars in Hematology, 2021, 58, 175-181.	3.4	3
81	The Immunophilin FKBP12 Inhibits Hepcidin By Modulating BMP Type I-Type II Receptors Interaction and Ligand Responsiveness. Blood, 2019, 134, 430-430.	1.4	1
82	Genetic/metabolic effect of iron metabolism and rare anemias. Thalassemia Reports, 2013, 3, 4.	0.5	0
83	Unraveling the Erythroid Function of Tfr2 in Beta-Thalassemia. Blood, 2016, 128, 73-73.	1.4	0