Antonella Roetto

List of Publications by Citations

95 papers	5,010 citations	33 h-index	70 g-index
99 ext. papers	5,519 ext. citations	5.8 avg, IF	4.61 L-index

#	Paper	IF	Citations
95	Mutant antimicrobial peptide hepcidin is associated with severe juvenile hemochromatosis. *Nature Genetics*, **2003**, 33, 21-2	36.3	710
94	The gene TFR2 is mutated in a new type of haemochromatosis mapping to 7q22. *Nature Genetics*, **2000**, 25, 14-5	36.3	649
93	Hepcidin is decreased in TFR2 hemochromatosis. *Blood*, **2005**, 105, 1803-6	2.2	333
92	Juvenile hemochromatosis locus maps to chromosome 1q. *American Journal of Human Genetics*, **1999**, 64, 1388-93	11	209
91	New mutations inactivating transferrin receptor 2 in hemochromatosis type 3. *Blood*, **2001**, 97, 2555-60	2.2	202
90	Heterogeneity of hemochromatosis in Italy. *Gastroenterology*, **1998**, 114, 996-1002	13.3	201
89	Mutation analysis of the HLA-H gene in Italian hemochromatosis patients. *American Journal of Human Genetics*, **1997**, 60, 828-32	11	200
88	Spectrum of hemojuvelin gene mutations in 1q-linked juvenile hemochromatosis. *Blood*, **2004**, 103, 4317-21	2.2	150
87	Natural history of juvenile haemochromatosis. *British Journal of Haematology*, **2002**, 117, 973-9	4.5	121
86	Clinical and pathologic findings in hemochromatosis type 3 due to a novel mutation in transferrin receptor 2 gene. *Gastroenterology*, **2002**, 122, 1295-302	13.3	116
85	Deferasirox is a powerful NF-kappaB inhibitor in myelodysplastic cells and in leukemia cell lines acting independently from cell iron deprivation by chelation and reactive oxygen species scavenging. *Haematologica*, **2010**, 95, 1308-16	6.6	103
84	A valine deletion of ferroportin 1: a common mutation in hemochromastosis type 4. *Blood*, **2002**, 100, 733-4	2.2	98
83	Transferrin receptor 2 is a component of the erythropoietin receptor complex and is required for efficient erythropoiesis. *Blood*, **2010**, 116, 5357-67	2.2	91
82	Deferasirox treatment improved the hemoglobin level and decreased transfusion requirements in four patients with the myelodysplastic syndrome and primary myelofibrosis. *Acta Haematologica*, **2008**, 120, 70-4	2.7	87
81	The ancestral hemochromatosis haplotype is associated with a severe phenotype expression in Italian patients. *Hepatology*, **1996**, 24, 43-46	11.2	77
80	Juvenile hemochromatosis. *Seminars in Hematology*, **2002**, 39, 242-8	4	76
79	Juvenile and Adult Hemochromatosis Are Distinct Genetic Disorders. *European Journal of Human Genetics*, **1997**, 5, 371-375	5.3	74

78	Genetic interactions in thalassemia intermedia: analysis of beta-mutations, alpha-genotype, gamma-promoters, and beta-LCR hypersensitive sites 2 and 4 in Italian patients. *American Journal of Hematology*, **1995**, 48, 82-7	7.1	69
77	Screening hepcidin for mutations in juvenile hemochromatosis: identification of a new mutation (C70R). *Blood*, **2004**, 103, 2407-9	2.2	68
76	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. *Haematologica*, **2010**, 95, 1832-40	6.6	63
75	Comparison of 3 Tfr2-deficient murine models suggests distinct functions for Tfr2-alpha and Tfr2-beta isoforms in different tissues. *Blood*, **2010**, 115, 3382-9	2.2	53
74	Anemia and iron overload due to compound heterozygosity for novel ceruloplasmin mutations. *Blood*, **2002**, 100, 2246-8	2.2	51
73	Inherited HFE-unrelated hemochromatosis in Italian families. *Hepatology*, **1999**, 29, 1563-4	11.2	50
72	Identification of new mutations of hepcidin and hemojuvelin in patients with HFE C282Y allele. *Blood Cells, Molecules, and Diseases*, **2004**, 33, 338-43	2.1	48
71	Crosstalk between Nrf2 and YAP contributes to maintaining the antioxidant potential and chemoresistance in bladder cancer. *Free Radical Biology and Medicine*, **2018**, 115, 447-457	7.8	45
70	Liver expression of hepcidin and other iron genes in two mouse models of beta-thalassemia. *Haematologica*, **2006**, 91, 1336-42	6.6	45
69	Different hematological phenotypes caused by the interaction of triplicated alpha-globin genes and heterozygous beta-thalassemia. *American Journal of Hematology*, **1997**, 55, 83-8	7.1	41
68	Hemochromatosis due to mutations in transferrin receptor 2. *Blood Cells, Molecules, and Diseases*, **2002**, 29, 465-70	2.1	40
67	Linkage analysis of 6p21 polymorphic markers and the hereditary hemochromatosis: localization of the gene centromeric to HLA-F. *Human Molecular Genetics*, **1993**, 2, 571-6	5.6	37
66	Transferrin receptor 2 controls bone mass and pathological bone formation via BMP and Wnt signaling. *Nature Metabolism*, **2019**, 1, 111-124	14.6	36
65	New insights into iron homeostasis through the study of non-HFE hereditary haemochromatosis. *Best Practice and Research in Clinical Haematology*, **2005**, 18, 235-50	4.2	35
64	Wnt5a is a key target for the pro-osteogenic effects of iron chelation on osteoblast progenitors. *Haematologica*, **2016**, 101, 1499-1507	6.6	35
63	Polymorphism in intron 4 of HFE does not compromise haemochromatosis mutation results. The European Haemochromatosis Consortium. *Nature Genetics*, **1999**, 23, 271	36.3	34
62	A new mutation (G51C) in the iron-responsive element (IRE) of L-ferritin associated with hyperferritinaemia-cataract syndrome decreases the binding affinity of the mutated IRE for iron-regulatory proteins. *British Journal of Haematology*, **2000**, 108, 480-2	4.5	32
61	GABA (gamma-amino-butyric acid) neurotransmission: identification and fine mapping of the human GABAB receptor gene. *Biochemical and Biophysical Research Communications*, **1998**, 250, 240-5	3.4	31

60	The erythroid function of transferrin receptor 2 revealed by Tmprss6 inactivation in different models of transferrin receptor 2 knockout mice. *Haematologica*, **2014**, 99, 1016-21	6.6	29
59	Analysis of microsatellite instability in chronic lymphoproliferative disorders. *Annals of Hematology*, **1996**, 72, 67-71	3	29
58	Recurrent mutations in the iron regulatory element of L-ferritin in hereditary hyperferritinemia-cataract syndrome. *Haematologica*, **1999**, 84, 489-92	6.6	29
57	Homozygosity for transferrin receptor-2 Y250X mutation induces early iron overload. *Haematologica*, **2004**, 89, 359-60	6.6	29
56	Juvenile hemochromatosis locus maps to chromosome 1q in a French Canadian population. *European Journal of Human Genetics*, **2003**, 11, 585-9	5.3	27
55	A Portuguese patient homozygous for the -25G>A mutation of the HAMP promoter shows evidence of steady-state transcription but fails to up-regulate hepcidin levels by iron. *Blood*, **2005**, 106, 2922-3	2.2	26
54	Linkage to chromosome 1q in Greek families with juvenile hemochromatosis. *Blood Cells, Molecules, and Diseases*, **2001**, 27, 744-9	2.1	26
53	Identification of new BMP6 pro-peptide mutations in patients with iron overload. *American Journal of Hematology*, **2017**, 92, 562-568	7.1	25
52	Hepatic expression of hemochromatosis genes in two mouse strains after phlebotomy and iron overload. *Haematologica*, **2005**, 90, 1161-7	6.6	25
51	Ailanthone increases oxidative stress in CDDP-resistant ovarian and bladder cancer cells by inhibiting of Nrf2 and YAP expression through a post-translational mechanism. *Free Radical Biology and Medicine*, **2020**, 150, 125-135	7.8	23
50	Juvenile hemochromatosis HJV-related revealed by cardiogenic shock. *Blood Cells, Molecules, and Diseases*, **2004**, 33, 120-4	2.1	23
49	Pathogenesis of hyperferritinemia cataract syndrome. *Blood Cells, Molecules, and Diseases*, **2002**, 29, 532-5	2.1	22
48	Genetic haemochromatosis: genes and mutations associated with iron loading. *Best Practice and Research in Clinical Haematology*, **2002**, 15, 261-76	4.2	22
47	Juvenile hemochromatosis due to G320V/Q116X compound heterozygosity of hemojuvelin in an Irish patient. *Blood Cells, Molecules, and Diseases*, **2005**, 35, 174-6	2.1	21
46	Hereditary hemochromatosis: generation of a transcription map within a refined and extended map of the HLA class I region. *Genomics*, **1996**, 31, 319-26	4.3	21
45	A pilot C282Y hemochromatosis screening in Italian newborns by TaqMan technology. *Genetic Testing and Molecular Biomarkers*, **2000**, 4, 177-81		19
44	Allelic association of microsatellites of 6p in Italian hemochromatosis patients. *Human Genetics*, **1996**, 97, 476-81	6.3	19
43	Two novel mutations in the tmprss6 gene associated with iron-refractory iron-deficiency anaemia (irida) and partial expression in the heterozygous form. *British Journal of Haematology*, **2012**, 158, 668-72	4.5	18

42	Construction of a YAC contig covering human chromosome 6p22. *Genomics*, **1996**, 36, 399-407	4.3	18
41	The ancestral hemochromatosis haplotype is associated with a severe phenotype expression in Italian patients. *Hepatology*, **1996**, 24, 43-6	11.2	18
40	Hereditary hemochromatosis: progress and perspectives. *Reviews in Clinical and Experimental Hematology*, **2000**, 4, 302-321		17
39	Exclusion of ZIRTL as candidate gene of juvenile hemochromatosis and refinement of the critical interval on 1q21. *Blood Cells, Molecules, and Diseases*, **2000**, 26, 205-10	2.1	16
38	New polymorphisms and markers in the HLA class I region: relevance to hereditary hemochromatosis (HFE). *Human Genetics*, **1995**, 95, 429-34	6.3	15
37	Serum erythropoietin and circulating transferrin receptor in thalassemia intermedia patients with heterogeneous genotypes. *Haematologica*, **1996**, 81, 397-403	6.6	15
36	Hereditary hemochromatosis: a HpaI polymorphism within the HLA-H gene. *Molecular and Cellular Probes*, **1997**, 11, 229-30	3.3	13
35	Transferrin Receptor 2 Dependent Alterations of Brain Iron Metabolism Affect Anxiety Circuits in the Mouse. *Scientific Reports*, **2016**, 6, 30725	4.9	13
34	Iron: An Essential Element of Cancer Metabolism. *Cells*, **2020**, 9,	7.9	10
33	A comparative study of myocardial molecular phenotypes of two tfr2□hull mice: role in ischemia/reperfusion. *BioFactors*, **2015**, 41, 360-71	6.1	10
32	Genetic haemochromatosis: genes and mutations associated with iron loading. *Best Practice and Research in Clinical Haematology*, **2002**, 15, 261-276	4.2	10
31	Juvenile and adult hemochromatosis are distinct genetic disorders. *European Journal of Human Genetics*, **1997**, 5, 371-5	5.3	10
30	The Functional Versatility of Transferrin Receptor 2 and Its Therapeutic Value. *Pharmaceuticals*, **2018**, 11,	5.2	9
29	Post-translational inhibition of YAP oncogene expression by 4-hydroxynonenal in bladder cancer cells. *Free Radical Biology and Medicine*, **2019**, 141, 205-219	7.8	8
28	Cloning of a new gene (FB19) within HLA class I region. *Biochemical and Biophysical Research Communications*, **1998**, 250, 555-7	3.4	7
27	Construction of a genetic map telomeric to HLA-A by microsatellite analysis. *Molecular and Cellular Probes*, **1993**, 7, 411-4	3.3	7
26	Detection of a rare mutation in the ferroportin gene through targeted next generation sequencing. *Blood Transfusion*, **2016**, 14, 531-534	3.6	7
25	Altered Erythropoiesis in Mouse Models of Type 3 Hemochromatosis. *BioMed Research International*, **2017**, 2017, 2408941	3	6

24	Iron Overload, Oxidative Stress, and Ferroptosis in the Failing Heart and Liver.. *Antioxidants*, **2021**, 10,	7.1	6
23	The Molecular Spectrum of □and □Thalassemia Mutations in Non-Endemic Umbria, Central Italy. *Hemoglobin*, **2016**, 40, 371-376	0.6	6
22	Post-translational down-regulation of Nrf2 and YAP proteins, by targeting deubiquitinases, reduces growth and chemoresistance in pancreatic cancer cells. *Free Radical Biology and Medicine*, **2021**, 174, 202-210	7.8	6
21	Feasibility of molecular diagnosis of alpha-thalassemia in the evaluation of microcytosis. *Haematologica*, **1997**, 82, 592-3	6.6	6
20	A child with hyperferritinemia: case report. *Italian Journal of Pediatrics*, **2011**, 37, 20	3.2	5
19	Identification of a novel mutation in the L ferritin iron-responsive element causing hereditary hyperferritinemia-cataract syndrome. *Acta Haematologica*, **2009**, 122, 223-5	2.7	4
18	A frequent polymorphism in the 5Q region of the BCMA gene. *Molecular and Cellular Probes*, **1997**, 11, 311-2	3.3	3
17	Growth hormone (GH)-induced reconstitution of CD8+ CD28+ T lymphocytes in a rare case of severe lymphopenia associated with Juvenile Haemochromatosis and Turner syndrome. *Clinical Endocrinology*, **2004**, 61, 437-40	3.4	3
16	Heterozygous beta-thalassemia and homozygous H63D hemochromatosis in a child: an 18-year follow-up. *Pediatric Hematology and Oncology*, **2005**, 22, 163-6	1.7	3
15	Deferasirox Is the Only Iron Chelator Acting as a Potent NF-KB Inhibitor in Myelodysplastic Syndromes. *Blood*, **2008**, 112, 2671-2671	2.2	3
14	Generation of a transcription map of a 1 Mbase region containing the HFE gene (6p22). *European Journal of Human Genetics*, **1998**, 6, 105-13	5.3	2
13	Detection of humoral immune responses against WT1 antigen in patients affected by different hematological malignancies. *Acta Haematologica*, **2008**, 120, 47-50	2.7	2
12	A new complex polymorphic repeat close to the HLA-A and HLA-E loci. *Human Genetics*, **1994**, 94, 578	6.3	2
11	Analysis of microsatellite instability in chronic lymphoproliferative disorders **1996**, 72, 67		2
10	Iron supplementation is sufficient to rescue skeletal muscle mass and function in cancer cachexia.. *EMBO Reports*, **2022**, e53746	6.5	2
9	A novel mutation in the CUB sequence of matriptase-2 (TMPRSS6) is implicated in iron-resistant iron deficiency anaemia -- response to Jaspers et al. *British Journal of Haematology*, **2013**, 160, 566-7	4.5	1
8	Comprehensive analysis of mitochondrial and nuclear DNA variations in patients affected by hemoglobinopathies: A pilot study. *PLoS ONE*, **2020**, 15, e0240632	3.7	1
7	Allelic association of microsatellites of 6p in Italian hemochromatosis patients. *Human Genetics*, **1996**, 97, 476-481	6.3	1

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6	Development of cellular and humoral response against WT1 protein vaccination in mice. *American Journal of Hematology*, **2015**, 90, E193-4	7.1
5	Commentary: Juvenile hemochromatosis in a Spanish family (by Montes-Cano et al.). *Blood Cells, Molecules, and Diseases*, **2002**, 29, 83-4; author reply 85	2.1
4	Beta-myosin mutations in hypertrophic cardiomyopathies. *Annals of the New York Academy of Sciences*, **1995**, 752, 227-9	6.5
3	Two polymorphic repeats in the candidate region for the haemochromatosis gene. *Molecular and Cellular Probes*, **1996**, 10, 469-70	3.3
2	Molecular Pathogenesis of Hemochromatosis **1996**, 667-670	
1	Juvenile Hemochromatosis **1999**, 371-373	