Lucio Luzzatto

List of Publications by Year
in descending order

120	8,282	57758	48315
papers	citations	44 h-index	88 g-index

126	126	126	6309
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Breakthrough Hemolysis in PNH with Proximal or Terminal Complement Inhibition. New England Journal of Medicine, 2022, 387, 160-166.	27.0	28
2	Making hydroxyurea affordable for sickle cell disease in Tanzania is essential (<scp>HASTE</scp>): How to meet major health needs at a reasonable cost. American Journal of Hematology, 2021, 96, E2-E5.	4.1	22
3	Molecular response to imatinib in patients with chronic myeloid leukemia in Tanzania. Blood Advances, 2021, 5, 1403-1411.	5.2	13
4	The prevalence of human immunodeficiency and of hepatitis B viral infections is not increased in patients with sickle cell disease in Tanzania. BMC Infectious Diseases, 2021, 21, 1028.	2.9	4
5	Dynamics of G6PD activity in patients receiving weekly primaquine for therapy of Plasmodium vivax malaria. PLoS Neglected Tropical Diseases, 2021, 15, e0009690.	3.0	5
6	Severe congenital neutropenia with elastase, neutrophil expressed (ELANE) gene mutation in a Tanzanian child. British Journal of Haematology, 2021, , .	2.5	0
7	Control of hemolysis in patients with PNH. Blood, 2021, 138, 1908-1910.	1.4	5
8	Treating Rare Diseases in Africa: The Drugs Exist but the Need Is Unmet. Frontiers in Pharmacology, 2021, 12, 770640.	3.5	14
9	Diagnosis and clinical management of enzymopathies. Hematology American Society of Hematology Education Program, 2021, 2021, 341-352.	2.5	4
10	F cell numbers are associated with an Xâ€linked genetic polymorphism and correlate with haematological parameters in patients with sickle cell disease. British Journal of Haematology, 2020, 191, 888-896.	2.5	10
11	Glucose-6-phosphate dehydrogenase deficiency. Blood, 2020, 136, 1225-1240.	1.4	182
12	Complement-mediated oxidative damage of red cells impairs response to eculizumab in a G6PD-deficient patient with PNH. Blood, 2020, 136, 3082-3085.	1.4	0
13	PNH phenotypes and their genesis. British Journal of Haematology, 2020, 189, 802-805.	2.5	7
14	Sickle cell disease and malaria: decreased exposure and asplenia can modulate the risk from Plasmodium falciparum. Malaria Journal, 2020, 19, 165.	2.3	9
15	SickleInAfrica. Lancet Haematology,the, 2020, 7, e98-e99.	4.6	28
16	Paroxysmal nocturnal haemoglobinuria (PNH): novel therapies for an ancient disease. British Journal of Haematology, 2020, 191, 579-586.	2.5	6
17	Hypertensive disorders of pregnancy are associated with an inflammatory state: evidence from hematological findings and cytokine levels. BMC Pregnancy and Childbirth, 2019, 19, 237.	2.4	22
18	Tafenoquine for the prophylaxis, treatment and elimination of malaria: eagerness must meet prudence. Future Microbiology, 2019, 14, 1261-1279.	2.0	11

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19	Germline NPM1 mutations lead to altered rRNA 2â€²-O-methylation and cause dyskeratosis congenita. Nature Genetics, 2019, 51, 1518-1529.	21.4	84
20	High frequency of acquired aplastic anemia in Tanzania. American Journal of Hematology, 2019, 94, E86-E88.	4.1	9
21	Hydroxyurea â€" An Essential Medicine for Sickle Cell Disease in Africa. New England Journal of Medicine, 2019, 380, 187-189.	27.0	17
22	The â€œescapeâ€•model: a versatile mechanism for clonal expansion. British Journal of Haematology, 2019, 184, 465-466.	2.5	15
23	Favism and Glucose-6-Phosphate Dehydrogenase Deficiency. New England Journal of Medicine, 2018, 378, 60-71.	27.0	181
24	Favism and Glucose-6-Phosphate Dehydrogenase Deficiency. New England Journal of Medicine, 2018, 378, 1067-1069.	27.0	10
25	A ten year review of the sickle cell program in Muhimbili National Hospital, Tanzania. BMC Hematology, 2018, 18, 33.	2.6	31
26	Genes expressed in red cells could shape a malaria attack. Lancet Haematology,the, 2018, 5, e322-e323.	4.6	3
27	Limited Exchange Transfusion Can Be Very Beneficial in Sickle Cell Anemia with Acute Chest Syndrome: A Case Report from Tanzania. Case Reports in Hematology, 2018, 2018, 1-3.	0.4	4
28	Advances in understanding the pathogenesis of acquired aplastic anaemia. British Journal of Haematology, 2018, 182, 758-776.	2.5	91
29	Outrageous prices of orphan drugs: a call for collaboration. Lancet, The, 2018, 392, 791-794.	13.7	132
30	Primaquine-induced haemolysis in females heterozygous for G6PD deficiency. Malaria Journal, 2018, 17, 101.	2.3	84
31	Glycosylphosphatidylinositol-specific T cells, IFN-Î³-producing T cells, and pathogenesis of idiopathic aplastic anemia. Blood, 2017, 129, 388-392.	1.4	32
32	Hemolytic Potential of Tafenoquine in Female Volunteers Heterozygous for Glucose-6-Phosphate Dehydrogenase (G6PD) Deficiency (G6PD Mahidol Variant) versus G6PD-Normal Volunteers. American Journal of Tropical Medicine and Hygiene, 2017, 97, 702-711.	1.4	91
33	Sterile "Abscess" of the Spleen and the Sickle Cell Trait. Mediterranean Journal of Hematology and Infectious Diseases, 2017, 10, 2018003.	1.3	2
34	Clonal Origin and Clonal Selection in PNH. , 2017, , 197-213.		0
35	Recent advances in the pathogenesis and treatment of paroxysmal nocturnal hemoglobinuria. F1000Research, 2016, 5, 209.	1.6	38
36	Glucose-6-Phosphate Dehydrogenase Deficiency. Hematology/Oncology Clinics of North America, 2016, 30, 373-393.	2.2	271

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37	Favism, the commonest form of severe hemolytic anemia in Palestinian children, varies in severity with three different variants of G6PD deficiency within the same community. Blood Cells, Molecules, and Diseases, 2016, 60, 58-64.	1.4	18
38	Causality and Chance in the Development of Cancer. New England Journal of Medicine, 2015, 373, 84-88.	27.0	44
39	G6PD deficiency: a polymorphism balanced by heterozygote advantage against malaria. Lancet Haematology,the, 2015, 2, e400-e401.	4.6	28
40	Polymorphism of the complement receptor 1 gene correlates with the hematologic response to eculizumab in patients with paroxysmal nocturnal hemoglobinuria. Haematologica, 2014, 99, 262-266.	3.5	77
41	G6<scp>PD</scp> deficiency: a classic example of pharmacogenetics with onâ€going clinical implications. British Journal of Haematology, 2014, 164, 469-480.	2.5	185
42	Transcriptional and epigenetic basis for restoration of G6PD enzymatic activity in human G6PD-deficient cells. Blood, 2014, 124, 134-141.	1.4	24
43	Glycosylphosphatidylinositol-specific, CD1d-restricted T cells in paroxysmal nocturnal hemoglobinuria. Blood, 2013, 121, 2753-2761.	1.4	81
44	The Frequency of Granulocytes with Spontaneous Somatic Mutations: A Wide Distribution in a Normal Human Population. PLoS ONE, 2013, 8, e54046.	2.5	36
45	Clinical spectrum and severity of hemolytic anemia in glucose 6-phosphate dehydrogenaseâ€“deficient children receiving dapsone. Blood, 2012, 120, 4123-4133.	1.4	104
46	Rationale for recommending a lower dose of primaquine as a Plasmodium falciparum gametocytocide in populations where G6PD deficiency is common. Malaria Journal, 2012, 11, 418.	2.3	110
47	Management of Paroxysmal Nocturnal Haemoglobinuria: a personal view. British Journal of Haematology, 2011, 153, 709-720.	2.5	76
48	Synthesis of the essential core of the human glycosylphosphatidylinositol (GPI) anchor. Bioorganic Chemistry, 2011, 39, 88-93.	4.1	11
49	The use of PIG-A as a sentinel gene for the study of the somatic mutation rate and of mutagenic agents in vivo. Mutation Research - Reviews in Mutation Research, 2010, 705, 3-10.	5.5	54
50	The rise and fall of the antimalarial Lapdap: a lesson in pharmacogenetics. Lancet, The, 2010, 376, 739-741.	13.7	60
51	Paroxysmal nocturnal haemoglobinuria. , 2010, , 4298-4302.		2
52	Complement fraction 3 binding on erythrocytes as additional mechanism of disease in paroxysmal nocturnal hemoglobinuria patients treated by eculizumab. Blood, 2009, 113, 4094-4100.	1.4	273
53	Neutral evolution in paroxysmal nocturnal hemoglobinuria. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 18496-18500.	7.1	46
54	Highly homologous T-cell receptor beta sequences support a common target for autoreactive T cells in most patients with paroxysmal nocturnal hemoglobinuria. Blood, 2007, 109, 5036-5042.	1.4	54

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55	The Complement Inhibitor Eculizumab in Paroxysmal Nocturnal Hemoglobinuria. New England Journal of Medicine, 2006, 355, 1233-1243.	27.0	1,060
56	CD157 plays a pivotal role in neutrophil transendothelial migration. Blood, 2006, 108, 4214-4222.	1.4	45
57	Diagnosis and management of paroxysmal nocturnal hemoglobinuria. Blood, 2005, 106, 3699-3709.	1.4	652
58	High incidence of thrombosis in African-American and Latin-American patients with Paroxysmal Nocturnal Haemoglobinuria. Thrombosis and Haemostasis, 2005, 93, 88-91.	3.4	50
59	In vivo gene marking of rhesus macaque long-term repopulating hematopoietic cells using a VSV-G pseudotyped versus amphotropic oncoretroviral vector. Journal of Gene Medicine, 2004, 6, 367-373.	2.8	13
60	G6PD is indispensable for erythropoiesis after the embryonic-adult hemoglobin switch. Blood, 2004, 104, 3148-3152.	1.4	33
61	Severe telomere shortening in patients with paroxysmal nocturnal hemoglobinuria affects both GPIâ€“ and GPI+ hematopoiesis. Blood, 2003, 102, 514-516.	1.4	23
62	Glycosylphosphatidylinositol-linked proteins are required for maintenance of a normal peripheral lymphoid compartment but not for lymphocyte development. European Journal of Immunology, 2002, 32, 2607-2616.	2.9	16
63	Haemoglobin's chaperone. Nature, 2002, 417, 703-705.	27.8	20
64	Maternally transmitted severe glucose 6-phosphate dehydrogenase deficiency is an embryonic lethal. EMBO Journal, 2002, 21, 4229-4239.	7.8	123
65	Cytogenetic and morphological abnormalities in paroxysmal nocturnal haemoglobinuria. British Journal of Haematology, 2001, 115, 360-368.	2.5	42
66	Association of clonal T-cell large granular lymphocyte disease and paroxysmal nocturnal haemoglobinuria (PNH): further evidence for a pathogenetic link between T cells, aplastic anaemia and PNH. British Journal of Haematology, 2001, 115, 1010-1014.	2.5	49
67	MALARIA: Protecting Against Bad Air. Science, 2001, 293, 442-443.	12.6	44
68	Red cell glucose-6-phosphate dehydrogenase status and pyruvate kinase activity in a Nigerian population. Tropical Medicine and International Health, 2000, 5, 119-123.	2.3	50
69	Stable in vivo expression of glucose-6-phosphate dehydrogenase (G6PD) and rescue of G6PD deficiency in stem cells by gene transfer. Blood, 2000, 96, 4111-4117.	1.4	25
70	Abnormal T-cell repertoire is consistent with immune process underlying the pathogenesis of paroxysmal nocturnal hemoglobinuria. Blood, 2000, 96, 2613-2620.	1.4	115
71	Human mutations in glucose 6â€phosphate dehydrogenase reflect evolutionary history. FASEB Journal, 2000, 14, 485-494.	0.5	63
72	Stable in vivo expression of glucose-6-phosphate dehydrogenase (G6PD) and rescue of G6PD deficiency in stem cells by gene transfer. Blood, 2000, 96, 4111-4117.	1.4	1

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73	Paroxysmal Murine Hemoglobinuria(?): A Model for Human PNH. Blood, 1999, 94, 2941-2944.	1.4	16
74	Bone marrow transplants for paroxysmal nocturnal haemoglobinuria. British Journal of Haematology, 1999, 104, 392-396.	2.5	110
75	Solution of the structure of tetrameric human glucose 6-phosphate dehydrogenase by molecular replacement. Acta Crystallographica Section D: Biological Crystallography, 1999, 55, 826-834.	2.5	37
76	Mendelian Diseases among Roman Jews: Implications for the Origins of Disease Alleles. Journal of Clinical Endocrinology and Metabolism, 1999, 84, 4405-4409.	3.6	5
77	Paroxysmal Murine Hemoglobinuria(?): A Model for Human PNH. Blood, 1999, 94, 2941-2944.	1.4	0
78	Dyskeratosis and ribosomal rebellion. Nature Genetics, 1998, 19, 6-7.	21.4	65
79	Clinical and haematological consequences of recurrent G6PD mutations and a single new mutation causing chronic nonspherocytic haemolytic anaemia. British Journal of Haematology, 1998, 101, 670-675.	2.5	34
80	The Spectrum of Somatic Mutations in thePIG-AGene in Paroxysmal Nocturnal Hemoglobinuria Includes Large Deletions and Small Duplications. Blood Cells, Molecules, and Diseases, 1998, 24, 370-384.	1.4	79
81	Early Phagocytosis of Glucose-6-Phosphate Dehydrogenase (G6PD)-Deficient Erythrocytes Parasitized by Plasmodium falciparum May Explain Malaria Protection in G6PD Deficiency. Blood, 1998, 92, 2527-2534.	1.4	288
82	New Somatic Mutation in the PIG-A Gene Emerges at Relapse of Paroxysmal Nocturnal Hemoglobinuria. Blood, 1998, 92, 3422-3427.	1.4	46
83	New Somatic Mutation in the PIG-A Gene Emerges at Relapse of Paroxysmal Nocturnal Hemoglobinuria. Blood, 1998, 92, 3422-3427.	1.4	4
84	Mild clinical expression of S-<FONT FACE=Symbol>b thalassemia in a Brazilian patient with the <FONT FACE=Symbol>b+ IVS-I-6 (T<FONT FACE=Symbol>Â®C) mutation. Genetics and Molecular Biology, 1998, 21, 431-433.	1.3	1
85	Hematologically Important Mutations: Glucose-6-Phosphate Dehydrogenase. Blood Cells, Molecules, and Diseases, 1997, 23, 302-313.	1.4	67
86	Somatic Mutations in Paroxysmal Nocturnal Hemoglobinuria: A Blessing in Disguise?. Cell, 1997, 88, 1-4.	28.9	295
87	Independent origin of single and double mutations in the human glucose 6-phosphate dehydrogenase gene. Human Mutation, 1996, 8, 311-318.	2.5	18
88	HAEMOGLOBINURIA AND HAPTOGLOBIN IN G6PD DEFICIENCY. British Journal of Haematology, 1995, 91, 511-512.	2.5	14
89	Natural History of Paroxysmal Nocturnal Hemoglobinuria. New England Journal of Medicine, 1995, 333, 1253-1258.	27.0	796
90	Human glucose-6-phosphate dehydrogenase Lysine 205 is dispensable for substrate binding but essential for catalysis. FEBS Letters, 1995, 366, 61-64.	2.8	27

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91	Cloning of the glucose 6-phosphate dehydrogenase gene from Plasmodium f alciparum. Molecular and Biochemical Parasitology, 1994, 64, 313-326.	1.1	48
92	Management of pregnancy when maternal blood has a very high level of fetal haemoglobin. British Journal of Haematology, 1994, 88, 432-434.	2.5	6
93	Mutations in the PIG-A gene causing partial deficiency of GPI-linked surface proteins (PNH II) in patients with paroxysmal nocturnal haemoglobinuria. British Journal of Haematology, 1994, 87, 863-866.	2.5	63
94	Promoter Function of the Human Glucose-6-Phosphate Dehydrogenase Gene Depends on Two GC Boxes that are Cell Specifically Controlled. FEBS Journal, 1994, 226, 377-384.	0.2	30
95	Variants of glucose-6-phosphate dehydrogenase are due to missense mutations spread throughout the coding region of the gene. Human Mutation, 1993, 2, 159-167.	2.5	83
96	VÏ‡ gene segments rearranged in chronic lymphocytic leukemia are distributed over a large portion of the VÏ‡ locus and do not show somatic mutation. European Journal of Immunology, 1993, 23, 391-397.	2.9	18
97	G6PD Mediterranean accounts for the high prevalence of G6PD deficiency in Kurdish Jews. Human Genetics, 1993, 91, 293-4.	3.8	69
98	Both mutations in G6PD A â€" are necessary to produce the G6PD deficient phenotype. Human Molecular Genetics, 1992, 1, 171-174.	2.9	55
99	Two distinct patterns of glycosylphosphatidylinositol (GPI) linked protein deficiency in the red cells of patients with paroxysmal nocturnal haemoglobinuria. British Journal of Haematology, 1992, 80, 399-405.	2.5	50
100	Rearrangement of T-cell Receptor (Delta, Gamma and Beta) Genes and its Significance in T-cell Chronic Leukaemias. Leukemia and Lymphoma, 1991, 4, 17-25.	1.3	0
101	Deficiency in red blood cells. Nature, 1991, 350, 115-115.	27.8	31
102	East and West. Nature, 1991, 353, 460-460.	27.8	0
103	When are parasites clonal?. Nature, 1990, 348, 120-120.	27.8	20
104	Expression and characterization of glucose-6-phosphate dehydrogenase of Plasmodium falciparum. Molecular and Biochemical Parasitology, 1990, 41, 83-91.	1.1	30
105	Human red cell glucose-6-phosphate dehydrogenase is encoded only on the X chromosome. Cell, 1990, 62, 9-10.	28.9	16
106	7 Paroxysmal nocturnal haemoglobinuria. Best Practice and Research: Clinical Haematology, 1989, 2, 113-138.	1.1	183
107	One enzyme from two genes?. Nature, 1989, 341, 286-287.	27.8	6
108	The production of normal and variant human glucose-6-phosphate dehydrogenase in cos cells. FEBS Journal, 1988, 178, 109-113.	0.2	20

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109	Lymphomatoid Granulomatosis - Evidence of a Clonal T-Cell Origin and an Association with Lethal Midline Granuloma. QJM - Monthly Journal of the Association of Physicians, 1988, , .	0.5	9
110	Clonal rearrangement of the Tâ€cell receptor Î³ gene associated with a bizarre lymphoproliferative syndrome. European Journal of Haematology, 1988, 41, 289-294.	2.2	6
111	Isolation of human glucose-6-pbosphate debydrogenase (G6PD) cDNA clones: primary structure of the protein and unusual 5' non-coding region. Nucleic Acids Research, 1986, 14, 2511-2522.	14.5	242
112	Two new cell lines from B-prolymphocytic leukaemia: Characterization by morphology, immunological markers, karyotype and Ig gene rearrangement. International Journal of Cancer, 1986, 38, 531-538.	5.1	64
113	What future for tropical disease research?. BioEssays, 1985, 3, 243-244.	2.5	1
114	Italian slur rebutted. Nature, 1984, 312, 302-302.	27.8	0
115	X-chromosome inactivation: Switching off blocks of genes. Nature, 1983, 301, 375-376.	27.8	11
116	Thalassaemia. Nature, 1983, 301, 460-460.	27.8	0
117	Thalassaemia. Nature, 1983, 301, 652-652.	27.8	0
118	GLUCOSE-6-PHOSPHATE DEHYDROGENASE AND MALARIA. Lancet, The, 1972, 299, 107-110.	13.7	145
119	The Molecular Basis of Anemia. , 0, , 140-164.		0
120	Paroxysmal Nocturnal Haemoglobinuria. , 0, , 169-175.		1