

Eitan Fibach

List of Publications by Year in descending order

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99
papers

3,815
citations

126907

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docs citations

99
times ranked

4615
citing authors

#	ARTICLE	IF	CITATIONS
1	The Role of Oxidative Stress in Hemolytic Anemia. <i>Current Molecular Medicine</i> , 2008, 8, 609-619.	1.3	228
2	N-acetylcysteine amide, a novel cell-permeating thiol, restores cellular glutathione and protects human red blood cells from oxidative stress. <i>Free Radical Biology and Medicine</i> , 2005, 38, 136-145.	2.9	189
3	Red blood cells, platelets and polymorphonuclear neutrophils of patients with sickle cell disease exhibit oxidative stress that can be ameliorated by antioxidants. <i>British Journal of Haematology</i> , 2006, 132, 108-113.	2.5	177
4	Nicotinamide, a SIRT1 inhibitor, inhibits differentiation and facilitates expansion of hematopoietic progenitor cells with enhanced bone marrow homing and engraftment. <i>Experimental Hematology</i> , 2012, 40, 342-355.e1.	0.4	168
5	Induction of $\hat{1}^3$ -Globin by Histone Deacetylase Inhibitors. <i>Blood</i> , 1997, 90, 2075-2083.	1.4	132
6	Flow cytometric measurement of reactive oxygen species production by normal and thalassaemic red blood cells. <i>European Journal of Haematology</i> , 2003, 70, 84-90.	2.2	128
7	Linear polyamine copper chelator tetraethylenepentamine augments long-term ex vivo expansion of cord blood-derived CD34 + cells and increases their engraftment potential in NOD/SCID mice. <i>Experimental Hematology</i> , 2004, 32, 547-555.	0.4	117
8	Macrophages function as a ferritin iron source for cultured human erythroid precursors. <i>Journal of Cellular Biochemistry</i> , 2008, 103, 1211-1218.	2.6	113
9	Flow cytometry measurement of the labile iron pool in human hematopoietic cells. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2008, 73A, 22-27.	1.5	108
10	Medicinal Chemistry of Fetal Hemoglobin Inducers for Treatment of $\hat{9}46$ -Thalassemia. <i>Current Medicinal Chemistry</i> , 2007, 14, 199-212.	2.4	103
11	Oxidative stress in red blood cells, platelets and polymorphonuclear leukocytes from patients with myelodysplastic syndrome. <i>European Journal of Haematology</i> , 2007, 79, 463-467.	2.2	98
12	Flow cytometric analysis of the oxidative status of normal and thalassemic red blood cells. <i>Cytometry</i> , 2004, 60A, 73-80.	1.8	93
13	Evidence for tissue iron overload in long-term hemodialysis patients and the impact of withdrawing parenteral iron. <i>European Journal of Haematology</i> , 2012, 89, 87-93.	2.2	91
14	Physiologically aged red blood cells undergo erythrophagocytosis in vivo but not in vitro. <i>Haematologica</i> , 2012, 97, 994-1002.	3.5	90
15	Cellular copper content modulates differentiation and self-renewal in cultures of cord blood-derived CD34+ cells. <i>British Journal of Haematology</i> , 2002, 116, 655-661.	2.5	82
16	Therapeutic Hemoglobin Levels after Gene Transfer in $\hat{1}^2$ -Thalassemia Mice and in Hematopoietic Cells of $\hat{1}^2$ -Thalassemia and Sickle Cells Disease Patients. <i>PLoS ONE</i> , 2012, 7, e32345.	2.5	78
17	Changes in parameters of oxidative stress and free iron biomarkers during treatment with deferasirox in iron-overloaded patients with myelodysplastic syndromes. <i>Haematologica</i> , 2010, 95, 1433-1434.	3.5	74
18	Utilization of Intracellular Ferritin Iron for Hemoglobin Synthesis in Developing Human Erythroid Precursors. <i>Blood</i> , 1997, 90, 831-838.	1.4	73

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19	Hypoxia alters progression of the erythroid program. <i>Experimental Hematology</i> , 2008, 36, 17-27.	0.4	73
20	Oxidative status of platelets in normal and thalassemic blood. <i>Thrombosis and Haemostasis</i> , 2004, 92, 1052-1059.	3.4	69
21	N-acetylcysteine amide (AD4) attenuates oxidative stress in beta-thalassemia blood cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2008, 1780, 249-255.	2.4	69
22	The role of antioxidants and iron chelators in the treatment of oxidative stress in thalassemia. <i>Annals of the New York Academy of Sciences</i> , 2010, 1202, 10-16.	3.8	65
23	Chronic oxidative stress reduces the respiratory burst response of neutrophils from beta-thalassaemia patients. <i>British Journal of Haematology</i> , 2005, 129, 435-441.	2.5	61
24	Peroxiredoxin II is essential for preventing hemolytic anemia from oxidative stress through maintaining hemoglobin stability. <i>Biochemical and Biophysical Research Communications</i> , 2012, 426, 427-432.	2.1	58
25	Pathophysiology and treatment of patients with beta-thalassemia " an update. <i>F1000Research</i> , 2017, 6, 2156.	1.6	54
26	Iron overload in hematological disorders. <i>Presse Medicale</i> , 2017, 46, e296-e305.	1.9	50
27	Self-renewal and commitment to differentiation of human leukemic promyelocytic cells (HL-60). <i>Journal of Cellular Physiology</i> , 1982, 113, 152-158.	4.1	46
28	Oxidative stress causes membrane phospholipid rearrangement and shedding from RBC membranes" An NMR study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 2388-2394.	2.6	46
29	The labile iron pool in human erythroid cells. <i>British Journal of Haematology</i> , 2008, 142, 301-307.	2.5	45
30	Fermented papaya preparation as redox regulator in blood cells of β -thalassemic mice and patients. <i>Phytotherapy Research</i> , 2008, 22, 820-828.	5.8	43
31	Quantitative flow cytometric analysis of ABO red cell antigens. <i>Cytometry</i> , 1991, 12, 545-549.	1.8	42
32	Oxidative status of red blood cells, neutrophils, and platelets in paroxysmal nocturnal hemoglobinuria. <i>Experimental Hematology</i> , 2008, 36, 369-377.	0.4	42
33	Resveratrol: Antioxidant activity and induction of fetal hemoglobin in erythroid cells from normal donors and β -thalassemia patients. <i>International Journal of Molecular Medicine</i> , 2012, 29, 974-82.	4.0	39
34	Oxidative Stress in β -Thalassemia. <i>Molecular Diagnosis and Therapy</i> , 2019, 23, 245-261.	3.8	37
35	Transferrin-iron routing to the cytosol and mitochondria as studied by live and real-time fluorescence. <i>Biochemical Journal</i> , 2010, 429, 185-193.	3.7	34
36	Amelioration of oxidative stress in red blood cells from patients with β -thalassemia major and intermedia and β -thalassemia following administration of a fermented papaya preparation. <i>Phytotherapy Research</i> , 2010, 24, 1334-1338.	5.8	33

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37	Effect of Iron Chelators on Labile Iron and Oxidative Status of Thalassemic Erythroid Cells. <i>Acta Haematologica</i> , 2010, 123, 14-20.	1.4	33
38	Oxidative Stress-Induced Membrane Shedding from RBCs is Ca Flux-Mediated and Affects Membrane Lipid Composition. <i>Journal of Membrane Biology</i> , 2011, 240, 73-82.	2.1	33
39	Uptake of Non-Transferrin Iron by Erythroid Cells. <i>Anemia</i> , 2011, 2011, 1-8.	1.7	33
40	Toxicity of iron overload and iron overload reduction in the setting of hematopoietic stem cell transplantation for hematologic malignancies. <i>Critical Reviews in Oncology/Hematology</i> , 2017, 113, 156-170.	4.4	33
41	Increased serum hepcidin levels during treatment with deferasirox in iron-overloaded patients with myelodysplastic syndrome. <i>British Journal of Haematology</i> , 2011, 153, 118-120.	2.5	32
42	Erythropoietin activity in the serum of beta thalassemic patients. <i>Scandinavian Journal of Haematology</i> , 1986, 37, 221-228.	0.0	30
43	The oxidative status of blood cells in a murine model of graft-versus-host disease. <i>Annals of Hematology</i> , 2007, 86, 753-758.	1.8	29
44	The Antioxidant Effect of Erythropoietin on Thalassemic Blood Cells. <i>Anemia</i> , 2010, 2010, 1-11.	1.7	24
45	Distribution and shedding of the membrane phosphatidylserine during maturation and aging of erythroid cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 2773-2780.	2.6	23
46	Vasculotoxic and proinflammatory action of unbound haemoglobin, haem and iron in transfusion-dependent patients with haemolytic anaemias. <i>British Journal of Haematology</i> , 2021, 193, 637-658.	2.5	22
47	The Effect of the Copper Chelator Tetraethylenepentamine on Reactive Oxygen Species Generation by Human Hematopoietic Progenitor Cells. <i>Stem Cells and Development</i> , 2007, 16, 1053-1056.	2.1	21
48	A preclinical approach for gene therapy of β^0 -thalassemia. <i>Annals of the New York Academy of Sciences</i> , 2010, 1202, 134-140.	3.8	21
49	Oxidative stress contributes to hemolysis in patients with hereditary spherocytosis and can be ameliorated by fermented papaya preparation. <i>Annals of Hematology</i> , 2011, 90, 509-513.	1.8	21
50	Cell culture and animal models to screen for promising fetal hemoglobin-stimulating compounds. <i>Seminars in Hematology</i> , 2001, 38, 374-381.	3.4	20
51	Reducing erythropoietin in cultures of human erythroid precursors elevates the proportion of fetal haemoglobin. <i>British Journal of Haematology</i> , 1994, 88, 39-45.	2.5	19
52	Are postnatal hemangioblasts generated by dedifferentiation from committed hematopoietic stem cells?. <i>Experimental Hematology</i> , 2007, 35, 691-701.	0.4	19
53	Retinoic Acid Induction of CD38 Antigen Expression on Normal and Leukemic Human Myeloid Cells: Relationship with Cell Differentiation. <i>Leukemia and Lymphoma</i> , 2003, 44, 691-698.	1.3	18
54	A flow cytometry approach for quantitative analysis of cellular phosphatidylserine distribution and shedding. <i>Analytical Biochemistry</i> , 2009, 393, 111-116.	2.4	18

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55	Decreased hemolysis following administration of antioxidant-fermented papaya preparation (FPP) to a patient with PNH. <i>Annals of Hematology</i> , 2010, 89, 429-430.	1.8	16
56	Transcriptional upregulation of β -globin by phenylbutyrate and analogous aromatic fatty acids. <i>Biochemical Pharmacology</i> , 1996, 52, 1227-1233.	4.4	15
57	Monoclonal antibody-based methods for quantitation of hemoglobins: application to evaluating patients with sickle cell anemia treated with hydroxyurea. <i>European Journal of Haematology</i> , 1996, 57, 17-24.	2.2	15
58	Oxidative stress in paroxysmal nocturnal hemoglobinuria and other conditions of complement-mediated hemolysis. <i>Free Radical Biology and Medicine</i> , 2015, 88, 63-69.	2.9	15
59	Flow Cytometric Analysis of Hydroxyurea Effects on Fetal Hemoglobin Production in Cultures of β -thalassemia Erythroid Precursors. <i>Hemoglobin</i> , 2003, 27, 77-87.	0.8	14
60	Improvement of Oxidative Stress Parameters in MDS Patients with Iron Overload Treated with Deferasirox. <i>Blood</i> , 2008, 112, 2675-2675.	1.4	14
61	Proliferation and differentiation of erythroid progenitors in liquid culture: Analysis of progenitors derived from patients with polycythemia vera. <i>American Journal of Hematology</i> , 1990, 35, 151-156.	4.1	13
62	Angiomodulators in cancer therapy: New perspectives. <i>Biomedicine and Pharmacotherapy</i> , 2017, 89, 578-590.	5.6	13
63	Acquired sideroblastic anaemia following progesterone therapy. <i>British Journal of Haematology</i> , 1994, 87, 859-862.	2.5	12
64	Oxidative status of valinomycin-resistant normal, β -thalassemia and sickle red blood cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2006, 1760, 793-799.	2.4	12
65	Heterogeneity of F cells in β -thalassemia. <i>Transfusion</i> , 2013, 53, 499-504.	1.6	12
66	Iron-chelator complexes as iron sources for early developing human erythroid precursors. <i>Translational Research</i> , 2008, 151, 88-96.	5.0	11
67	Improved method for diagnosis of polycythemia vera based on flow cytometric analysis of autonomous growth of erythroid precursors in liquid culture. , 1997, 54, 47-52.		10
68	Hemoglobin Switch in the Newborn: A Flow Cytometry Analysis. <i>Neonatology</i> , 2007, 91, 61-68.	2.0	10
69	Does Erythropoietin Have a Role in the Treatment of β -Hemoglobinopathies?. <i>Hematology/Oncology Clinics of North America</i> , 2014, 28, 249-263.	2.2	10
70	A mouse model to study thrombotic complications of thalassemia. <i>Thrombosis Research</i> , 2015, 135, 521-525.	1.7	10
71	The Effect of Tetraethylenepentamine, a Synthetic Copper Chelating Polyamine, on Expression of CD34 and CD38 Antigens on Normal and Leukemic Hematopoietic Cells. <i>Leukemia and Lymphoma</i> , 2004, 45, 583-589.	1.3	9
72	Apheresis Induces Oxidative Stress in Blood Cells. <i>Therapeutic Apheresis and Dialysis</i> , 2010, 14, 166-171.	0.9	9

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73	Hydroxyurea and Hemin Affect Both the Transcriptional and Post-Transcriptional Mechanisms of Some Globin Genes in Human Adult Erythroid Cells. <i>Annals of the New York Academy of Sciences</i> , 1998, 850, 449-451.	3.8	8
74	Erythropoiesis In Vitro—A Research and Therapeutic Tool in Thalassemia. <i>Journal of Clinical Medicine</i> , 2019, 8, 2124.	2.4	8
75	The Redox Balance and Membrane Shedding in RBC Production, Maturation, and Senescence. <i>Frontiers in Physiology</i> , 2021, 12, 604738.	2.8	8
76	Retinoic Acid Receptor Antagonist Inhibits CD38 Antigen Expression on Human Hematopoietic Cells In Vitro. <i>Leukemia and Lymphoma</i> , 2004, 45, 1025-1035.	1.3	7
77	Involvement of Phosphatases in Proliferation, Maturation, and Hemoglobinization of Developing Erythroid Cells. <i>Journal of Signal Transduction</i> , 2011, 2011, 1-7.	2.0	7
78	Shedding of Phosphatidylserine from Developing Erythroid Cells Involves Microtubule Depolymerization and Affects Membrane Lipid Composition. <i>Journal of Membrane Biology</i> , 2012, 245, 779-787.	2.1	7
79	The Effect of Fermented Papaya Preparation on Radioactive Exposure. <i>Radiation Research</i> , 2015, 184, 304-313.	1.5	7
80	Nicotinamide Modulates Ex-Vivo Expansion of Cord Blood Derived CD34+ Cells Cultured with Cytokines and Promotes Their Homing and Engraftment in SCID Mice. <i>Blood</i> , 2006, 108, 725-725.	1.4	7
81	Erythroid differentiation ability of butyric acid analogues: Identification of basal chemical structures of new inducers of foetal haemoglobin. <i>European Journal of Pharmacology</i> , 2015, 752, 84-91.	3.5	6
82	The Human Ankyrin Insulator Supports Production of Therapeutic Levels of Adult Hemoglobin Following β -Globin Gene Transfer in Hematopoietic Cells Derived From Thalassemic and Sickle Cell Patients. <i>Blood</i> , 2011, 118, 2055-2055.	1.4	6
83	New Insights on β -Thalassemia in the Palestinian Population of Gaza: High Frequency and Milder Phenotype Among Homozygous IVS-1-1 (<i>HBB</i> : c.92+1G>A) Patients with High Levels of Hb F. <i>Hemoglobin</i> , 2017, 41, 144-146.	0.8	5
84	Elevated systemic heme and iron levels as risk factor for vascular dysfunction and atherosclerosis: Evidence from a beta-thalassemia cohort study. <i>Atherosclerosis</i> , 2017, 263, e107-e108.	0.8	3
85	Fetal Hemoglobin in the Maternal Circulation—Contribution of Fetal Red Blood Cells. <i>Hemoglobin</i> , 2018, 42, 138-140.	0.8	3
86	Thalassemic DNA-Containing Red Blood Cells Are under Oxidative Stress. <i>Anemia</i> , 2012, 2012, 1-5.	1.7	2
87	The JAK2V617F mutation in normal individuals takes place in differentiating cells. <i>Blood Cells, Molecules, and Diseases</i> , 2017, 63, 45-51.	1.4	2
88	Detection of Fetomaternal Hemorrhage and ABO incompatibility. <i>Cytometry Part B - Clinical Cytometry</i> , 2018, 94, 564-564.	1.5	2
89	Red Blood Cells as Redox Modulators in Hemolytic Anemia. , 2019, , .		2
90	Involvement of Oxidative Stress in Hemolytic Anemia. , 2014, , 2499-2516.		2

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91	Vanadate elevates fetal hemoglobin in human erythroid precursors by inhibiting cell maturation. <i>Experimental Biology and Medicine</i> , 2007, 232, 654-61.	2.4	2
92	Detection of significant fetomaternal hemorrhage by flow cytometry. <i>American Journal of Obstetrics and Gynecology</i> , 2004, 191, S145.	1.3	1
93	Hemin Augments Growth and Hemoglobinization of Erythroid Precursors from Patients with Diamond-Blackfan Anemia. <i>Anemia</i> , 2012, 2012, 1-4.	1.7	1
94	Antagonists to Retinoid Receptors Down-Regulate CD38 Expression and Inhibit In Vitro Differentiation of Cord Blood Derived CD34+ Cells.. <i>Blood</i> , 2006, 108, 3652-3652.	1.4	1
95	Splicing Factor 3b Subunit 1 (SF3B1) mediates Mitochondrial Iron Overload In Myelodysplastic Syndromes With Ring Sideroblasts By Alternative Splicing Of Mitoferrin-1 (SLC25A37). <i>Blood</i> , 2013, 122, 1555-1555.	1.4	1
96	Editorial: Membrane Processes in Erythroid Development and Red Cell Life Time. <i>Frontiers in Physiology</i> , 2021, 12, 655117.	2.8	0
97	Anemia and Iron Deficiency in Strenuously Trained Adolescents.. <i>Blood</i> , 2007, 110, 961-961.	1.4	0
98	Role of Oxidative Stress in α -Thalassemia and the Antioxidative Effect of Fermented Papaya Preparation. <i>Oxidative Stress and Disease</i> , 2008, , .	0.3	0
99	The JAK2V617F Mutation in Non-MPD Hematopoiesis Occurs at a Low Frequency and in Differentiating Erythroid Cells.. <i>Blood</i> , 2008, 112, 1344-1344.	1.4	0