David F Bishop

List of Publications by Year
in descending order

21 papers	935 citations	516710 16 h-index	752698 20 g-index
21 all docs	21 docs citations	21 times ranked	758 citing authors

#	Article	IF	Citations
1	Human Î´-aminolevulinate synthase: Assignment of the housekeeping gene to 3p21 and the erythroid-specific gene to the X chromosome. Genomics, 1990, 7, 207-214.	2.9	160
2	Four New Mutations in the Erythroid-Specific 5-Aminolevulinate Synthase (ALAS2) Gene Causing X-Linked Sideroblastic Anemia: Increased Pyridoxine Responsiveness After Removal of Iron Overload by Phlebotomy and Coinheritance of Hereditary Hemochromatosis. Blood, 1999, 93, 1757-1769.	1.4	100
3	Familial-skewed X-chromosome inactivation as a predisposing factor for late-onset X-linked sideroblastic anemia in carrier females. Blood, 2000, 96, 4363-4365.	1.4	86
4	Molecular defects of erythroid 5-aminolevulinate synthase in X-linked sideroblastic anemia. Journal of Bioenergetics and Biomembranes, 1995, 27, 161-168.	2.3	84
5	Loss-of-Function Ferrochelatase and Gain-of-Function Erythroid-Specific 5-Aminolevulinate Synthase Mutations Causing Erythropoietic Protoporphyria and X-Linked Protoporphyria in North American Patients Reveal Novel Mutations and a High Prevalence of X-Linked Protoporphyria. Molecular Medicine, 2013, 19, 26-29.	4.4	74
6	Evidence for erythroid and nonerythroid forms of Î´-aminolevulinate synthetase. Archives of Biochemistry and Biophysics, 1981, 206, 380-391.	3.0	58
7	Coupled-enzyme and direct assays for uroporphyrinogen III synthase activity in human erythrocytes and cultured lymphoblasts. Analytical Biochemistry, 1987, 166, 120-133.	2.4	48
8	X-linked macrocytic dyserythropoietic anemia in females with an ALAS2 mutation. Journal of Clinical Investigation, 2015, 125, 1665-1669.	8.2	43
9	X-linked Sideroblastic Anemia Due to Carboxyl-terminal ALAS2 Mutations That Cause Loss of Binding to the Î²-Subunit of Succinyl-CoA Synthetase (SUCLA2). Journal of Biological Chemistry, 2012, 287, 28943-28955.	3.4	40
10	Molecular Expression and Characterization of Erythroid-Specific 5-Aminolevulinate Synthase Gain-of-Function Mutations Causing X-Linked Protoporphyria. Molecular Medicine, 2013, 19, 18-25.	4.4	33
11	Feline acute intermittent porphyria: a phenocopy masquerading as an erythropoietic porphyria due to dominant and recessive hydroxymethylbilane synthase mutations. Human Molecular Genetics, 2010, 19, 584-596.	2.9	32
12	Hepatic heme synthesis in a new model of experimental hemochromatosis: Studies in rats fed finely divided elemental iron. Hepatology, 1987, 7, 1195-1203.	7.3	31
13	Uroporphyrinogen III Synthase Knock-In Mice Have the Human Congenital Erythropoietic Porphyria Phenotype, Including the Characteristic Light-Induced Cutaneous Lesions. American Journal of Human Genetics, 2006, 78, 645-658.	6.2	26
14	Human aminolevulinate synthase structure reveals a eukaryotic-specific autoinhibitory loop regulating substrate binding and product release. Nature Communications, 2020, 11, 2813.	12.8	25
15	Pilot scale purification of Î±-galactosidase A from Cohn Fraction IV-1 of human plasma. Biochimica Et Biophysica Acta - Biomembranes, 1978, 524, 109-120.	2.6	24
16	Absent phenotypic expression of X-linked sideroblastic anemia in one of 2 brothers with a novel ALAS2 mutation. Blood, 2002, 100, 4236-4238.	1.4	23
17	Molecular expression, characterization and mechanism of ALAS2 gain-of-function mutants. Molecular Medicine, 2019, 25, 4.	4.4	18
18	Congenital erythropoietic porphyria: a novel uroporphyrinogen III synthase branchpoint mutation reveals underlying wild-type alternatively spliced transcripts. Blood, 2010, 115, 1062-1069.	1.4	15

#	Article	IF	Citations
19	Congenital Erythropoietic Porphyria: Characterization of Murine Models of the Severe Common (C73R/C73R) and Later-Onset Genotypes. Molecular Medicine, 2011, 17, 748-756.	4.4	10
20	Design and validation of an open-source modular Microplate Photoirradiation System for high-throughput photobiology experiments. PLoS ONE, 2018, 13, e0203597.	2.5	5
21	Identification and Characterization of Feline Acute Intermittent Porphyria: The First Naturally-Occurring Animal Model.. Blood, 2009, 114, 3014-3014.	1.4	0