

Frank S Lee

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8383339/frank-s-lee-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

64
papers

5,240
citations

30
h-index

72
g-index

77
ext. papers

5,676
ext. citations

8.4
avg, IF

5.39
L-index

#	Paper	IF	Citations
64	gain-of-function mutation modulates the stiffness of smooth muscle cells and compromises vascular mechanics. <i>iScience</i> , 2021 , 24, 102246	6.1	2
63	High-altitude deer mouse hypoxia-inducible factor-2 β shows defective interaction with CREB-binding protein. <i>Journal of Biological Chemistry</i> , 2021 , 296, 100461	5.4	3
62	Tibetan β , an allele with loss-of-function properties. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 12230-12238	11.5	13
61	Reply to Liu et al.: The Andean adaptive allele could be a loss of function variant that increases HIF1 β in skeletal muscle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 29286-29287	11.5	
60	Update on mutations in the HIF: EPO pathway and their role in erythrocytosis. <i>Blood Reviews</i> , 2019 , 37, 100590	11.1	30
59	Substrates of PHD. <i>Cell Metabolism</i> , 2019 , 30, 626-627	24.6	5
58	At the crossroads of oxygen and iron sensing: hepcidin control of HIF-2 β . <i>Journal of Clinical Investigation</i> , 2019 , 129, 72-74	15.9	3
57	An Erythrocytosis-Associated Mutation in the Zinc Finger of PHD2 Provides Insights into Its Binding of p23. <i>Hypoxia (Auckland, N Z)</i> , 2019 , 7, 81-86	2.1	0
56	Association of gene with high aerobic capacity of Peruvian Quechua at high altitude. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 24006-24011	11.5	16
55	Functional Assays to Screen and Dissect Genomic Hits: Doubling Down on the National Investment in Genomic Research. <i>Circulation Genomic and Precision Medicine</i> , 2018 , 11, e002178	5.2	16
54	Loss-of-function zinc finger mutation in the gene associated with erythrocytosis. <i>Blood</i> , 2018 , 132, 1455-1458	14.58	10
53	Loss of Phd2 cooperates with BRAF to drive melanomagenesis. <i>Nature Communications</i> , 2018 , 9, 5426	17.4	8
52	Identification of Small-Molecule PHD2 Zinc Finger Inhibitors that Activate Hypoxia Inducible Factor. <i>ChemBioChem</i> , 2016 , 17, 2316-2323	3.8	5
51	The Zinc Finger of Prolyl Hydroxylase Domain Protein 2 Is Essential for Efficient Hydroxylation of Hypoxia-Inducible Factor β . <i>Molecular and Cellular Biology</i> , 2016 , 36, 2328-43	4.8	10
50	Identification of prolyl hydroxylation modifications in mammalian cell proteins. <i>Proteomics</i> , 2015 , 15, 1259-67	4.8	14
49	Novel Homozygous Mutation of the Internal Translation Initiation Start Site of VHL is Exclusively Associated with Erythrocytosis: Indications for Distinct Functional Roles of von Hippel-Lindau Tumor Suppressor Isoforms. <i>Human Mutation</i> , 2015 , 36, 1039-42	4.7	7
48	Human high-altitude adaptation: forward genetics meets the HIF pathway. <i>Genes and Development</i> , 2014 , 28, 2189-204	12.6	168

47	The role of PHD2 mutations in the pathogenesis of erythrocytosis. <i>Hypoxia (Auckland, N Z)</i> , 2014 , 2, 71-90	26
46	Defective Tibetan PHD2 binding to p23 links high altitude adaption to altered oxygen sensing. <i>Journal of Biological Chemistry</i> , 2014 , 289, 14656-65	5-4 52
45	Erythrocytosis and pulmonary hypertension in a mouse model of human HIF2A gain of function mutation. <i>Journal of Biological Chemistry</i> , 2013 , 288, 17134-44	5-4 76
44	Prolyl hydroxylase domain protein 2 (PHD2) binds a Pro-Xaa-Leu-Glu motif, linking it to the heat shock protein 90 pathway. <i>Journal of Biological Chemistry</i> , 2013 , 288, 9662-9674	5-4 40
43	A knock-in mouse model of human PHD2 gene-associated erythrocytosis establishes a haploinsufficiency mechanism. <i>Journal of Biological Chemistry</i> , 2013 , 288, 33571-33584	5-4 36
42	Two new mutations in the HIF2A gene associated with erythrocytosis. <i>American Journal of Hematology</i> , 2012 , 87, 439-42	7-1 32
41	The HIF pathway and erythrocytosis. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2011 , 6, 165-92	34 128
40	Mouse knock-out of IOP1 protein reveals its essential role in mammalian cytosolic iron-sulfur protein biogenesis. <i>Journal of Biological Chemistry</i> , 2011 , 286, 15797-805	5-4 27
39	Analysis of HIF-1a and its regulator, PHD2, in retroperitoneal sarcomas: clinico-pathologic implications. <i>Cancer Biology and Therapy</i> , 2010 , 9, 303-11	4-6 10
38	Integrity of the prolyl hydroxylase domain protein 2:erythropoietin pathway in aging mice. <i>Blood Cells, Molecules, and Diseases</i> , 2010 , 45, 9-19	2-1 12
37	Erythrocytosis associated with a novel missense mutation in the HIF2A gene. <i>Haematologica</i> , 2010 , 95, 829-32	6-6 28
36	Erythrocytosis-associated HIF-2alpha mutations demonstrate a critical role for residues C-terminal to the hydroxylacceptor proline. <i>Journal of Biological Chemistry</i> , 2009 , 284, 9050-8	5-4 47
35	Human ISCA1 interacts with IOP1/NARFL and functions in both cytosolic and mitochondrial iron-sulfur protein biogenesis. <i>Journal of Biological Chemistry</i> , 2009 , 284, 35297-307	5-4 43
34	A role for IOP1 in mammalian cytosolic iron-sulfur protein biogenesis. <i>Journal of Biological Chemistry</i> , 2008 , 283, 9231-8	5-4 61
33	A gain-of-function mutation in the HIF2A gene in familial erythrocytosis. <i>New England Journal of Medicine</i> , 2008 , 358, 162-8	59-2 247
32	Regulation of adult erythropoiesis by prolyl hydroxylase domain proteins. <i>Blood</i> , 2008 , 111, 3229-35	2-2 211
31	Novel exon 12 mutations in the HIF2A gene associated with erythrocytosis. <i>Blood</i> , 2008 , 111, 5400-2	2-2 96
30	Genetic causes of erythrocytosis and the oxygen-sensing pathway. <i>Blood Reviews</i> , 2008 , 22, 321-32	11-1 35

29	HIF-2alpha Associated Familial Erythrocytosis Supports the PHD2-HIF- 2alpha-VHL Axis as the Major Regulator of Erythropoietin Production. <i>Blood</i> , 2008 , 112, 481-481	2.2	1
28	IOP1, a novel hydrogenase-like protein that modulates hypoxia-inducible factor-1alpha activity. <i>Biochemical Journal</i> , 2007 , 401, 341-52	3.8	38
27	A novel erythrocytosis-associated PHD2 mutation suggests the location of a HIF binding groove. <i>Blood</i> , 2007 , 110, 2193-6	2.2	128
26	Erythrocytosis Caused by Mutations in the PHD2 and VHL Genes.. <i>Blood</i> , 2007 , 110, 3663-3663	2.2	1
25	A Novel HIFalpha Mutation Associated with Familial Erythrocytosis Supports This Isoform Being the Major Regulator of Erythropoietin in Humans.. <i>Blood</i> , 2007 , 110, LB5-LB5	2.2	
24	Oxygen sensing: recent insights from idiopathic erythrocytosis. <i>Cell Cycle</i> , 2006 , 5, 941-5	4.7	13
23	A novel beta-oxa polyunsaturated fatty acid downregulates the activation of the I kappa B kinase/nuclear factor kappa B pathway, inhibits expression of endothelial cell adhesion molecules, and depresses inflammation. <i>Circulation Research</i> , 2006 , 99, 34-41	15.7	14
22	A family with erythrocytosis establishes a role for prolyl hydroxylase domain protein 2 in oxygen homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 654-9	11.5	263
21	Subdomain VIII is a specificity-determining region in MEKK1. <i>Journal of Biological Chemistry</i> , 2003 , 278, 48498-505	5.4	7
20	A subdomain of MEKK1 that is critical for binding to MKK4. <i>Cellular Signalling</i> , 2003 , 15, 65-77	4.9	14
19	A common polymorphism in the oxygen-dependent degradation (ODD) domain of hypoxia inducible factor-1alpha (HIF-1alpha) does not impair Pro-564 hydroxylation. <i>Molecular Cancer</i> , 2003 , 2, 31	42.1	45
18	The transcriptional activity of the APP intracellular domain-Fe65 complex is inhibited by activation of the NF-kappa B pathway. <i>Biochemistry</i> , 2003 , 42, 3627-34	3.2	30
17	Fatal systemic inflammatory response syndrome in a ornithine transcarbamylase deficient patient following adenoviral gene transfer. <i>Molecular Genetics and Metabolism</i> , 2003 , 80, 148-58	3.7	1115
16	Mutations in protein kinase subdomain X differentially affect MEKK2 and MEKK1 activity. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 303, 532-40	3.4	7
15	Sequence determinants in hypoxia-inducible factor-1alpha for hydroxylation by the prolyl hydroxylases PHD1, PHD2, and PHD3. <i>Journal of Biological Chemistry</i> , 2002 , 277, 39792-800	5.4	233
14	I kappa B kinase is critical for TNF-alpha-induced VCAM1 gene expression in renal tubular epithelial cells. <i>Journal of Immunology</i> , 2001 , 166, 6839-46	5.3	42
13	Activation of Nuclear Factor- B 2001 , 203-227		
12	Mitogen-activated protein kinase/ERK kinase 2 and 3 activate nuclear factor-kappa B through I kappa B kinase-alpha and I kappa B kinase-beta. <i>Journal of Biological Chemistry</i> , 1999 , 274, 8355-84	5.4	229

11	MEKK1 activates both IkappaB kinase alpha and IkappaB kinase beta. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 9319-24	11.5	360
10	Activation of the IkappaB alpha kinase complex by MEKK1, a kinase of the JNK pathway. <i>Cell</i> , 1997 , 88, 213-22	56.2	675
9	Structure and action of mammalian ribonuclease (angiogenin) inhibitor. <i>Progress in Molecular Biology and Translational Science</i> , 1993 , 44, 1-30		81
8	Kinetic characterization of two active mutants of placental ribonuclease inhibitor that lack internal repeats. <i>Biochemistry</i> , 1990 , 29, 6633-8	3.2	18
7	Tight-binding inhibition of angiogenin and ribonuclease A by placental ribonuclease inhibitor. <i>Biochemistry</i> , 1989 , 28, 225-30	3.2	148
6	Tryptophan fluorescence as a probe of placental ribonuclease inhibitor binding to angiogenin. <i>Biochemistry</i> , 1989 , 28, 219-24	3.2	50
5	Binding of placental ribonuclease inhibitor to the active site of angiogenin. <i>Biochemistry</i> , 1989 , 28, 3556-61	3.2	33
4	Characterization of ribonucleolytic activity of angiogenin towards tRNA. <i>Biochemical and Biophysical Research Communications</i> , 1989 , 161, 121-6	3.4	36
3	Expression of human placental ribonuclease inhibitor in Escherichia coli. <i>Biochemical and Biophysical Research Communications</i> , 1989 , 160, 115-20	3.4	23
2	Primary structure of human placental ribonuclease inhibitor. <i>Biochemistry</i> , 1988 , 27, 8545-53	3.2	71
1	Electronic spectroscopy of cobalt angiotensin converting enzyme and its inhibitor complexes. <i>Biochemistry</i> , 1987 , 26, 7291-7	3.2	30