James J Bieker

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/61553/publications.pdf

Version: 2024-02-01

91 papers	4,747 citations	136950 32 h-index	98798 67 g-index
97 all docs	97 docs citations	97 times ranked	4220 citing authors

#	Article	IF	Citations
1	Preferential associations between co-regulated genes reveal a transcriptional interactome in erythroid cells. Nature Genetics, 2010, 42, 53-61.	21.4	652
2	KrÃ¼ppel-like Factors: Three Fingers in Many Pies. Journal of Biological Chemistry, 2001, 276, 34355-34358.	3.4	544
3	A SWI/SNFâ€“Related Chromatin Remodeling Complex, E-RC1, Is Required for Tissue-Specific Transcriptional Regulation by EKLF In Vitro. Cell, 1998, 95, 93-104.	28.9	291
4	The multifunctional role of EKLF/KLF1 during erythropoiesis. Blood, 2011, 118, 2044-2054.	1.4	252
5	Formation of a rate-limiting intermediate in 5S RNA gene transcription. Cell, 1985, 40, 119-127.	28.9	219
6	Role of Erythroid Kruppel-like Factor in Human Î³- to Î²-Globin Gene Switching. Journal of Biological Chemistry, 1995, 270, 1955-1959.	3.4	197
7	Site-Specific Acetylation by p300 or CREB Binding Protein Regulates Erythroid KruÌˆppel-Like Factor Transcriptional Activity via Its Interaction with the SWI-SNF Complex. Molecular and Cellular Biology, 2001, 21, 2413-2422.	2.3	168
8	Chapter 2 The Erythroblastic Island. Current Topics in Developmental Biology, 2008, 82, 23-53.	2.2	141
9	KrÃ¼ppeling erythropoiesis: an unexpected broad spectrum of human red blood cell disorders due to KLF1 variants. Blood, 2016, 127, 1856-1862.	1.4	124
10	Chromatin domain activation via GATA-1 utilization of a small subset of dispersed GATA motifs within a broad chromosomal region. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 17065-17070.	7.1	117
11	Novel role for EKLF in megakaryocyte lineage commitment. Blood, 2007, 110, 3871-3880.	1.4	117
12	Erythroid KrÃ¼ppel-like factor exhibits an early and sequentially localized pattern of expression during mammalian erythroid ontogeny. Developmental Dynamics, 1996, 206, 248-259.	1.8	101
13	The BMP/BMPR/Smad pathway directs expression of the erythroid-specific EKLF and GATA1 transcription factors during embryoid body differentiation in serum-free media. Development (Cambridge), 2002, 129, 539-549.	2.5	85
14	Isolation, Genomic Structure, and Expression of Human Erythroid KrÃ¼ppel-Like Factor (EKLF). DNA and Cell Biology, 1996, 15, 347-352.	1.9	82
15	Unanticipated Repression Function Linked to Erythroid KruÌˆppel-Like Factor. Molecular and Cellular Biology, 2001, 21, 3118-3125.	2.3	72
16	EKLF/KLF1, a Tissue-Restricted Integrator of Transcriptional Control, Chromatin Remodeling, and Lineage Determination. Molecular and Cellular Biology, 2013, 33, 4-13.	2.3	72
17	Stage-Specific Repression by the EKLF Transcriptional Activator. Molecular and Cellular Biology, 2004, 24, 10416-10424.	2.3	70
18	Sumoylation of EKLF Promotes Transcriptional Repression and Is Involved in Inhibition of Megakaryopoiesis. Molecular and Cellular Biology, 2007, 27, 8547-8560.	2.3	69

#	Article	IF	Citations
19	Erythroid transcription factor EKLF/KLF1 mutation causing congenital dyserythropoietic anemia type IV in a patient of Taiwanese origin: Review of all reported cases and development of a clinical diagnostic paradigm. Blood Cells, Molecules, and Diseases, 2013, 51, 71-75.	1.4	68
20	EKLF/KLF1-regulated cell cycle exit is essential for erythroblast enucleation. Blood, 2016, 128, 1631-1641.	1.4	64
21	Severe anemia in theNanmutant mouse caused by sequence-selective disruption of erythroid KrÃ¼ppel-like factor. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 15151-15156.	7.1	62
22	Orchestration of late events in erythropoiesis by KLF1/EKLF. Current Opinion in Hematology, 2017, 24, 183-190.	2.5	62
23	KrÃ¼ppel-like Zinc Fingers Bind to Nuclear Import Proteins and Are Required for Efficient Nuclear Localization of Erythroid KrÃ¼ppel-like Factor. Journal of Biological Chemistry, 2002, 277, 32243-32252.	3.4	60
24	Regulation of Erythroid KrÃ¼ppel-like Factor (EKLF) Transcriptional Activity by Phosphorylation of a Protein Kinase Casein Kinase II Site within Its Interaction Domain. Journal of Biological Chemistry, 1998, 273, 23019-23025.	3.4	56
25	A Systems Approach Identifies Essential FOXO3 Functions at Key Steps of Terminal Erythropoiesis. PLoS Genetics, 2015, 11, e1005526.	3.5	55
26	Activation of Eklf expression during hematopoiesis by Gata2 and Smad5 prior to erythroid commitment. Development (Cambridge), 2008, 135, 2071-2082.	2.5	52
27	Activation and Repression of Interleukin-12 p40 Transcription by Erythroid Kruppel-like Factor in Macrophages. Journal of Biological Chemistry, 2004, 279, 18451-18456.	3.4	51
28	Structural and functional characterization of an atypical activation domain in erythroid KrÃ¼ppel-like factor (EKLF). Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10484-10489.	7.1	45
29	A Shortened Life Span of EKLFâˆ’/âˆ’ Adult Erythrocytes, Due to a Deficiency of Î²-Globin Chains, Is Ameliorated by Human Î³-Globin Chains. Blood, 1997, 90, 1291-1299.	1.4	42
30	Cytokine-Regulated Phosphorylation and Activation of TET2 by JAK2 in Hematopoiesis. Cancer Discovery, 2019, 9, 778-795.	9.4	41
31	The BMP/BMPR/Smad pathway directs expression of the erythroid-specific EKLF and GATA1 transcription factors during embryoid body differentiation in serum-free media. Development (Cambridge), 2002, 129, 539-49.	2.5	41
32	EKLF Directly Activates the p21^{WAF1/CIP1} Gene by Proximal Promoter and Novel Intronic Regulatory Regions during Erythroid Differentiation. Molecular and Cellular Biology, 2010, 30, 2811-2822.	2.3	34
33	Promiscuous DNA-binding of a mutant zinc finger protein corrupts the transcriptome and diminishes cell viability. Nucleic Acids Research, 2017, 45, 1130-1143.	14.5	33
34	Chromatin Structure and Transcriptional Control Elements of the Erythroid KrÃ¼ppel-like Factor (EKLF) Gene. Journal of Biological Chemistry, 1998, 273, 25031-25040.	3.4	30
35	Extrinsic and intrinsic control by EKLF (KLF1) within a specialized erythroid niche. Development (Cambridge), 2014, 141, 2245-2254.	2.5	30
36	Regulatory elements of the EKLF gene that direct erythroid cell-specific expression during mammalian development. Blood, 2004, 103, 4078-4083.	1.4	29

#	Article	IF	Citations
37	Acetylation of EKLF Is Essential for Epigenetic Modification and Transcriptional Activation of the Î²-Globin Locus. Molecular and Cellular Biology, 2008, 28, 6160-6170.	2.3	29
38	EKLF/KLF1 is ubiquitinated in vivo and its stability is regulated by activation domain sequences through the 26S proteasome. FEBS Letters, 2006, 580, 2285-2293.	2.8	28
39	Distinct modes of gene regulation by a cell-specific transcriptional activator. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 4213-4218.	7.1	28
40	Transcription factor EKLF (KLF1) recruitment of the histone chaperone HIRA is essential for Î²-globin gene expression. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13337-13342.	7.1	26
41	Erythroid Kruppelâ€like factor (EKLF) is recruited to the Î³â€globin gene promoter as a coâ€activator and is required for Î³â€globin gene induction by shortâ€chain fatty acid derivatives. European Journal of Haematology, 2009, 82, 466-476.	2.2	25
42	Non-random subcellular distribution of variant EKLF in erythroid cells. Experimental Cell Research, 2008, 314, 1595-1604.	2.6	23
43	Putting a finger on the switch. Nature Genetics, 2010, 42, 733-734.	21.4	23
44	Identification of NuRSERY, a new functional HDAC complex composed by HDAC5, GATA1, EKLF and pERK present in human erythroid cells. International Journal of Biochemistry and Cell Biology, 2014, 50, 112-122.	2.8	23
45	Probing the onset and regulation of erythroid cell-specific gene expression. Mount Sinai Journal of Medicine, 2005, 72, 333-8.	1.9	22
46	Transcription Factor Erythroid KrÃ¼ppel-like Factor (ELKF) Is Essential for the Erythropoietin-induced Hemoglobin Production but Not for Proliferation, Viability, or Morphological Maturation. Journal of Biological Chemistry, 1998, 273, 23793-23798.	3.4	21
47	EKLF/KLF1 expression defines a unique macrophage subset during mouse erythropoiesis. ELife, 2021, 10, .	6.0	21
48	Erythroid-specific transcription. Current Opinion in Hematology, 1998, 5, 145-150.	2.5	19
49	Functional Interactions between Erythroid Kruppel-like Factor (EKLF/KLF1) and Protein Phosphatase PPM1B/PP2CÎ². Journal of Biological Chemistry, 2012, 287, 15193-15204.	3.4	19
50	Neomorphic effects of the neonatal anemia (Nan-Eklf) mutation contribute to deficits throughout development. Development (Cambridge), 2017, 144, 430-440.	2.5	19
51	Genetic disarray follows mutant KLF1-E325K expression in a congenital dyserythropoietic anemia patient. Haematologica, 2019, 104, 2372-2380.	3.5	17
52	Design of embedded chimeric peptide nucleic acids that efficiently enter and accurately reactivate gene expression in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 16846-16851.	7.1	15
53	The DEK Oncoprotein Is a Critical Component of the EKLF/KLF1 Enhancer in Erythroid Cells. Molecular and Cellular Biology, 2015, 35, 3726-3738.	2.3	14
54	Mutant KLF1 in Adult Anemic Nan Mice Leads to Profound Transcriptome Changes and Disordered Erythropoiesis. Scientific Reports, 2018, 8, 12793.	3.3	14

#	Article	IF	Citations
55	Altered regulation of Î²-like globin genes by a redesigned erythroid transcription factor. Experimental Hematology, 2007, 35, 39-47.	0.4	13
56	T-cell Acute Leukemia 1 (TAL1) Regulation of Erythropoietin Receptor and Association with Excessive Erythrocytosis. Journal of Biological Chemistry, 2012, 287, 36720-36731.	3.4	13
57	KLF1: when less is more. Blood, 2014, 124, 672-673.	1.4	12
58	EKLF and the Development of the Erythroid Lineage. , 0, , 71-84.		11
59	Severe anemia caused by dominant mutations in KrÃ¼ppel-like factor 1 (KLF1). Mutation Research - Reviews in Mutation Research, 2020, 786, 108336.	5.5	11
60	A KrÃ¼ppel-like factor 1 (KLF1) Mutation Associated with Severe Congenital Dyserythropoietic Anemia Alters Its DNA-Binding Specificity. Molecular and Cellular Biology, 2020, 40, .	2.3	10
61	Transcriptional Control of Gene Expression and the Heterogeneous Cellular Identity of Erythroblastic Island Macrophages. Frontiers in Genetics, 2021, 12, 756028.	2.3	10
62	Erythroid KrÃ¼ppel-like transcription factor (Eklf) maps to a region of mouse Chromosome 8 syntenic with human Chromosome 19. Mammalian Genome, 1998, 9, 174-176.	2.2	7
63	Transcriptional Activity of Erythroid Kruppel-like Factor (EKLF/KLF1) Modulated by PIAS3 (Protein) Tj ETQq1 1 0.784314 rgBT /Overloc	3.4	7
64	GATA2 finds its macrophage niche. Blood, 2011, 118, 2647-2649.	1.4	5
65	Survey and evaluation of mutations in the human KLF1 transcription unit. Scientific Reports, 2018, 8, 6587.	3.3	5
66	Case Report of Erythroid Transcription Factor EKLF Mutation Causing a Rare Form of Congenital Dyserythropoetic Anemia in a Patient of Taiwanese Origin. Blood, 2011, 118, 2154-2154.	1.4	5
67	KLF1/EKLF expression in acute leukemia is correlated with chromosomal abnormalities. Blood Cells, Molecules, and Diseases, 2020, 83, 102434.	1.4	4
68	Novel Role for EKLF in Megakaryocyte-Erythroid Differential Lineage Commitment.. Blood, 2006, 108, 4205-4205.	1.4	4
69	Alternative splicing of EKLF/KLF1 in murine primary erythroid tissues. Experimental Hematology, 2015, 43, 65-70.	0.4	3
70	Congenital Anemia Phenotypes Due to KLF1 Mutations. Journal of Pediatric Hematology/Oncology, 2021, 43, e148-e149.	0.6	3
71	Cis-vaccenic acid induces differentiation and up-regulates gamma globin synthesis in K562, JK1 and transgenic mice erythroid progenitor stem cells. European Journal of Pharmacology, 2016, 776, 9-18.	3.5	2
72	Isolation of Healthy F4/80+ Macrophages from Embryonic day E13.5 Mouse Fetal Liver Using Magnetic Nanoparticles for Single Cell Sequencing. Bio-protocol, 2021, 11, e4243.	0.4	2

#	Article	IF	Citations
73	An unexpected entry into the globin real estate market. Blood, 2005, 106, 2230-2231.	1.4	1
74	Blood group antigens reveal their maker. Blood, 2008, 112, 1554-1555.	1.4	1
75	A human H1-HBB11-GFP reporter embryonic stem cell line (WAe001-A-2) generated using TALEN-based genome editing. Stem Cell Research, 2020, 45, 101837.	0.7	1
76	A master erythroid regulator gets its own GPS. Blood, 2020, 135, 2209-2210.	1.4	1
77	Erythroid KrÃ¼ppel-like factor exhibits an early and sequentially localized pattern of expression during mammalian erythroid ontogeny. , 0, .		1
78	An easy, quantitative method for detection of endonuclease activity. Analytical Biochemistry, 1980, 108, 285-289.	2.4	0
79	The single-strands of yeast autonomously replicating DNA segments are not recognized as origins of replication by Escherichiacoli DNA replication proteins. Biochemical and Biophysical Research Communications, 1981, 101, 194-200.	2.1	0
80	Preface. Current Topics in Developmental Biology, 2008, 82, XI-XV.	2.2	0
81	A Differentiation Block in Erythroid Cells Lacking Erythroid Krupple-Like Factor (EKLF).. Blood, 2005, 106, 526-526.	1.4	0
82	Defects in E2F1/2 Expression Are Associated with Abnormalities in Cell Cycle and Differentiation in EKLF-Deficient Erythroid Cells.. Blood, 2006, 108, 84-84.	1.4	0
83	Multiple Defects of Both Primitive and Definitive Erythrocytes in EKLF-Deficient Mice.. Blood, 2007, 110, 1234-1234.	1.4	0
84	EKLF Is Recruited to the Î³-Globin Gene Promoter as a Co-Activator and Is Required for Î³-Globin Gene Induction by Short-Chain Fatty Acids.. Blood, 2007, 110, 1771-1771.	1.4	0
85	Ontogenic-Specific Increasesin HDAC1 Activity and Transcription Factor Association During the Maturation of Human Adult Erythroblasts in Vitro.. Blood, 2009, 114, 1978-1978.	1.4	0
86	Identification of a New Functional HDAC Complex Composed by HDAC5, GATA1 and EKLF in Human Erythroid Cells. Blood, 2012, 120, 979-979.	1.4	0
87	New Insights into the Mechanism of Dominant Anemia Caused By Zinc Finger Mutations in KLF1. Blood, 2014, 124, 740-740.	1.4	0
88	Degenerate DNA Binding By Mutant (E339D) KLF1 Dramatically Alters the Erythroid Transcriptome in the Nan Mouse Model. Blood, 2015, 126, 932-932.	1.4	0
89	Identifying Novel Modifiers of Embryonic Globin Expression By Combining Chipseq, Rnaseq and eQTL Mapping in the Adult Nan Mouse Model. Blood, 2016, 128, 398-398.	1.4	0
90	The Glucocorticoid Receptor-Dependent Stress Response in Human Erythropoiesis Is BCL11A-Dependent. Blood, 2021, 138, 939-939.	1.4	0

#	Article	IF	Citations
91	EKLF/Klf1 Regulates Erythroid Transcription By Its Pioneering Activity and Subsequent Control of RNA Pol II Pause-Release. Blood, 2021, 138, 283-283.	1.4	0