Benjamin T. Kile

List of Publications by Year
in descending order

138	10,783	34105	33894
papers	citations	52 h-index	99 g-index

141	141	141	16006
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Programmed Anuclear Cell Death Delimits Platelet Life Span. Cell, 2007, 128, 1173-1186.	28.9	910
2	Apoptotic Caspases Suppress mtDNA-Induced STING-Mediated Type I IFN Production. Cell, 2014, 159, 1549-1562.	28.9	698
3	The conserved SOCS box motif in suppressors of cytokine signaling binds to elongins B and C and may couple bound proteins to proteasomal degradation. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 2071-2076.	7.1	581
4	BAK/BAX macropores facilitate mitochondrial herniation and mtDNA efflux during apoptosis. Science, 2018, 359, .	12.6	581
5	The SOCS box: a tale of destruction and degradation. Trends in Biochemical Sciences, 2002, 27, 235-241.	7.5	394
6	Interleukin-11 Is the Dominant IL-6 Family Cytokine during Gastrointestinal Tumorigenesis and Can Be Targeted Therapeutically. Cancer Cell, 2013, 24, 257-271.	16.8	341
7	Two distinct pathways regulate platelet phosphatidylserine exposure and procoagulant function. Blood, 2009, 114, 663-666.	1.4	274
8	The Dendritic Cell Receptor Clec9A Binds Damaged Cells via Exposed Actin Filaments. Immunity, 2012, 36, 646-657.	14.3	272
9	Bcl-xLâ€“inhibitory BH3 mimetics can induce a transient thrombocytopathy that undermines the hemostatic function of platelets. Blood, 2011, 118, 1663-1674.	1.4	262
10	NLRP1 Inflammasome Activation Induces Pyroptosis of Hematopoietic Progenitor Cells. Immunity, 2012, 37, 1009-1023.	14.3	257
11	The transcription factor Erg is essential for definitive hematopoiesis and the function of adult hematopoietic stem cells. Nature Immunology, 2008, 9, 810-819.	14.5	232
12	TBK1 and IKKÎµ Act Redundantly to Mediate STING-Induced NF-Î¹B Responses in Myeloid Cells. Cell Reports, 2020, 31, 107492.	6.4	223
13	Functional genetic analysis of mouse chromosome 11. Nature, 2003, 425, 81-86.	27.8	194
14	Mitochondrial apoptosis is dispensable for <scp>NLRP</scp>3 inflammasome activation but nonâ€apoptotic caspaseâ€8 is required for inflammasome priming. EMBO Reports, 2014, 15, 982-990.	4.5	189
15	The Mitochondrial Apoptotic Effectors BAX/BAK Activate Caspase-3 and -7 to Trigger NLRP3 Inflammasome and Caspase-8 Driven IL-1Î² Activation. Cell Reports, 2018, 25, 2339-2353.e4.	6.4	164
16	Megakaryocytes possess a functional intrinsic apoptosis pathway that must be restrained to survive and produce platelets. Journal of Experimental Medicine, 2011, 208, 2017-2031.	8.5	162
17	The suppressors of cytokine signalling (SOCS). Cellular and Molecular Life Sciences, 2001, 58, 1627-1635.	5.4	141
18	IL-18 Production from the NLRP1 Inflammasome Prevents Obesity and Metabolic Syndrome. Cell Metabolism, 2016, 23, 155-164.	16.2	133

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19	Deciphering the molecular and biologic processes that mediate histone deacetylase inhibitorâ€“induced thrombocytopenia. Blood, 2011, 117, 3658-3668.	1.4	128
20	Aberrant actin depolymerization triggers the pyrin inflammasome and autoinflammatory disease that is dependent on IL-18, not IL-1Î². Journal of Experimental Medicine, 2015, 212, 927-938.	8.5	120
21	Apoptotic Caspases: Multiple or Mistaken Identities?. Trends in Cell Biology, 2018, 28, 475-493.	7.9	111
22	Mitochondrial dysfunction caused by outer membrane vesicles from Gram-negative bacteria activates intrinsic apoptosis and inflammation. Nature Microbiology, 2020, 5, 1418-1427.	13.3	105
23	Mutation discovery in mice by whole exome sequencing. Genome Biology, 2011, 12, R86.	9.6	102
24	Suppressors of cytokine signaling (SOCS): negative regulators of signal transduction. Journal of Leukocyte Biology, 1999, 66, 588-592.	3.3	100
25	ERG dependence distinguishes developmental control of hematopoietic stem cell maintenance from hematopoietic specification. Genes and Development, 2011, 25, 251-262.	5.9	99
26	Mutations in the cofilin partner Aip1/Wdr1 cause autoinflammatory disease and macrothrombocytopenia. Blood, 2007, 110, 2371-2380.	1.4	98
27	The role of apoptosis in megakaryocytes and platelets. British Journal of Haematology, 2014, 165, 217-226.	2.5	97
28	Dual requirement for the ETS transcription factors Fli-1 and Erg in hematopoietic stem cells and the megakaryocyte lineage. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 13814-13819.	7.1	89
29	The art and design of genetic screens: mouse. Nature Reviews Genetics, 2005, 6, 557-567.	16.3	87
30	Defective chromosome segregation, microtubule bundling and nuclear bridging in inner centromere protein gene (Incenp)-disrupted mice. Human Molecular Genetics, 1999, 8, 1145-1155.	2.9	85
31	Apoptosis in megakaryocytes and platelets: the life and death of a lineage. Blood, 2018, 131, 605-610.	1.4	84
32	NLRP1 restricts butyrate producing commensals to exacerbate inflammatory bowel disease. Nature Communications, 2018, 9, 3728.	12.8	81
33	Dicer1-mediated miRNA processing shapes the mRNA profile and function of murine platelets. Blood, 2016, 127, 1743-1751.	1.4	79
34	A Novel Mutation in the Nfkb2 Gene Generates an NF-Î²B2 â€œSuper Repressorâ€• Journal of Immunology, 2007, 179, 7514-7522.	0.8	77
35	Negative Regulators of Cytokine Signaling. International Journal of Hematology, 2001, 73, 292-298.	1.6	76
36	Thrombocytopenia and kidney disease in mice with a mutation in the C1galt1 gene. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 16442-16447.	7.1	76

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37	Mcl-1 and Bcl-xL coordinately regulate megakaryocyte survival. Blood, 2012, 119, 5850-5858.	1.4	76
38	A missense mutation in the MLKL brace region promotes lethal neonatal inflammation and hematopoietic dysfunction. Nature Communications, 2020, 11, 3150.	12.8	75
39	Agm1/Pgm3-Mediated Sugar Nucleotide Synthesis Is Essential for Hematopoiesis and Development. Molecular and Cellular Biology, 2007, 27, 5849-5859.	2.3	73
40	Conserved piRNA Expression from a Distinct Set of piRNA Cluster Loci in Eutherian Mammals. PLoS Genetics, 2015, 11, e1005652.	3.5	73
41	A Mouse Model of Harlequin Ichthyosis Delineates a Key Role for Abca12 in Lipid Homeostasis. PLoS Genetics, 2008, 4, e1000192.	3.5	70
42	Caspase-9 mediates the apoptotic death of megakaryocytes and platelets, but is dispensable for their generation and function. Blood, 2012, 119, 4283-4290.	1.4	70
43	BCL-2 is dispensable for thrombopoiesis and platelet survival. Cell Death and Disease, 2015, 6, e1721-e1721.	6.3	68
44	Cell cycle progression dictates the requirement for BCL2 in natural killer cell survival. Journal of Experimental Medicine, 2017, 214, 491-510.	8.5	66
45	Trisomy of Erg is required for myeloproliferation in a mouse model of Down syndrome. Blood, 2010, 115, 3966-3969.	1.4	65
46	Platelet production proceeds independently of the intrinsic and extrinsic apoptosis pathways. Nature Communications, 2014, 5, 3455.	12.8	63
47	Setdb1-mediated H3K9 methylation is enriched on the inactive X and plays a role in its epigenetic silencing. Epigenetics and Chromatin, 2016, 9, 16.	3.9	63
48	Critical roles for c-Myb in lymphoid priming and early B-cell development. Blood, 2010, 115, 2796-2805.	1.4	62
49	Platelet necrosis mediates ischemic stroke outcome in mice. Blood, 2020, 135, 429-440.	1.4	61
50	ETO2-GLIS2 Hijacks Transcriptional Complexes to Drive Cellular Identity and Self-Renewal in Pediatric Acute Megakaryoblastic Leukemia. Cancer Cell, 2017, 31, 452-465.	16.8	60
51	The role of the intrinsic apoptosis pathway in platelet life and death. Journal of Thrombosis and Haemostasis, 2009, 7, 214-217.	3.8	59
52	Expansion of the neonatal platelet mass is achieved via an extension of platelet lifespan. Blood, 2014, 123, 3381-3389.	1.4	58
53	Mutations in tropomyosin 4 underlie a rare form of human macrothrombocytopenia. Journal of Clinical Investigation, 2017, 127, 814-829.	8.2	57
54	Individual and overlapping roles of BH3-only proteins Bim and Bad in apoptosis of lymphocytes and platelets and in suppression of thymic lymphoma development. Cell Death and Differentiation, 2010, 17, 1655-1664.	11.2	56

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55	Neutrophil macroaggregates promote widespread pulmonary thrombosis after gut ischemia. Science Translational Medicine, 2017, 9, .	12.4	56
56	COVIDâ€19 patients exhibit reduced procoagulant platelet responses. Journal of Thrombosis and Haemostasis, 2020, 18, 3067-3073.	3.8	55
57	Bacteria differentially induce degradation of Bcl-xL, a survival protein, by human platelets. Blood, 2012, 120, 5014-5020.	1.4	53
58	Platelet senescence is regulated by an internal timer, not damage inflicted by hits. Blood, 2010, 116, 1776-1778.	1.4	52
59	A lineage of diploid platelet-forming cells precedes polyploid megakaryocyte formation in the mouse embryo. Blood, 2014, 124, 2725-2729.	1.4	52
60	Regulation of cell proliferation by ERK and signal-dependent nuclear translocation of ERK is dependent on Tm5NM1-containing actin filaments. Molecular Biology of the Cell, 2015, 26, 2475-2490.	2.1	52
61	Erg is required for self-renewal of hematopoietic stem cells during stress hematopoiesis in mice. Blood, 2011, 118, 2454-2461.	1.4	51
62	Functional Analysis of Asb-1 Using Genetic Modification in Mice. Molecular and Cellular Biology, 2001, 21, 6189-6197.	2.3	50
63	Suppressor of Cytokine Signaling 4 (SOCS4) Protects against Severe Cytokine Storm and Enhances Viral Clearance during Influenza Infection. PLoS Pathogens, 2014, 10, e1004134.	4.7	50
64	Association of coagulation factor XIII-A with Golgi proteins within monocyte-macrophages: implications for subcellular trafficking and secretion. Blood, 2010, 115, 2674-2681.	1.4	49
65	Autophagy induced during apoptosis degrades mitochondria and inhibits type I interferon secretion. Cell Death and Differentiation, 2018, 25, 784-796.	11.2	49
66	Ablation of Type-1 IFN Signaling in Hematopoietic Cells Confers Protection Following Traumatic Brain Injury. ENeuro, 2016, 3, ENEURO.0128-15.2016.	1.9	48
67	Hematopoietic overexpression of the transcription factor Erg induces lymphoid and erythro-megakaryocytic leukemia. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15437-15442.	7.1	47
68	ABCA12 Regulates ABCA1-Dependent Cholesterol Efflux from Macrophages and the Development of Atherosclerosis. Cell Metabolism, 2013, 18, 225-238.	16.2	46
69	Novel roles for erythroid Ankyrin-1 revealed through an ENU-induced null mouse mutant. Blood, 2009, 113, 3352-3362.	1.4	44
70	Connexin-Dependent Transfer of cGAMP to Phagocytes Modulates Antiviral Responses. MBio, 2020, 11, .	4.1	44
71	Sex and strain-related differences in the peripheral blood cell values of inbred mouse strains. Mammalian Genome, 2003, 14, 81-85.	2.2	43
72	Proapoptotic Bak and Bax guard against fatal systemic and organ-specific autoimmune disease. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2599-2604.	7.1	43

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73	Cloning and characterization of the genes encoding the ankyrin repeat and SOCS box-containing proteins Asb-1, Asb-2, Asb-3 and Asb-4. Gene, 2000, 258, 31-41.	2.2	42
74	Ankyrin Repeat and Suppressors of Cytokine Signaling Box Protein Asb-9 Targets Creatine Kinase B for Degradation. Journal of Biological Chemistry, 2007, 282, 4728-4737.	3.4	42
75	Translation inhibitors induce cell death by multiple mechanisms and Mcl-1 reduction is only a minor contributor. Cell Death and Disease, 2012, 3, e409-e409.	6.3	42
76	Physiological restraint of Bak by Bcl-x_L is essential for cell survival. Genes and Development, 2016, 30, 1240-1250.	5.9	40
77	Apoptotic Processes in Megakaryocytes and Platelets. Seminars in Hematology, 2010, 47, 227-234.	3.4	39
78	The EMT modulator SNAI1 contributes to AML pathogenesis via its interaction with LSD1. Blood, 2020, 136, 957-973.	1.4	35
79	Inflammatory Disease and Abortive Platelet Shedding Caused by a Mutation in a Pivotal Regulator of Actin Dynamics in the redears Mouse.. Blood, 2004, 104, 1606-1606.	1.4	35
80	Point mutation in the gene encoding p300 suppresses thrombocytopenia in Mplâ^'/â^' mice. Blood, 2008, 112, 3148-3153.	1.4	32
81	Platelet Life Span and Apoptosis. Methods in Molecular Biology, 2012, 788, 59-71.	0.9	32
82	Effect of thrombopoietin receptor agonists on the apoptotic profile of platelets in patients with chronic immune thrombocytopenia. American Journal of Hematology, 2014, 89, E228-34.	4.1	31
83	A small molecule interacts with VDAC2 to block mouse BAK-driven apoptosis. Nature Chemical Biology, 2019, 15, 1057-1066.	8.0	30
84	The role of the ETS factor erg in zebrafish vasculogenesis. Mechanisms of Development, 2009, 126, 220-229.	1.7	28
85	Variability of Inducible Expression across the Hematopoietic System of Tetracycline Transactivator Transgenic Mice. PLoS ONE, 2013, 8, e54009.	2.5	26
86	Protein kinase R is an innate immune sensor of proteotoxic stress via accumulation of cytoplasmic IL-24. Science Immunology, 2022, 7, eabi6763.	11.9	22
87	MCMV-mediated Inhibition of the Pro-apoptotic Bak Protein Is Required for Optimal In Vivo Replication. PLoS Pathogens, 2013, 9, e1003192.	4.7	21
88	Activation of the erythroid K-Cl cotransporter Kcc1 enhances sickle cell disease pathology in a humanized mouse model. Blood, 2015, 126, 2863-2870.	1.4	21
89	An ENU-induced mouse mutant of SHIP1 reveals a critical role of the stem cell isoform for suppression of macrophage activation. Blood, 2011, 117, 5362-5371.	1.4	20
90	Low adhesion receptor levels on circulating platelets in patients with lymphoproliferative diseases before receiving Navitoclax (ABT-263). Blood, 2013, 121, 1479-1481.	1.4	20

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91	CHD7 Deficiency in â€œLooperâ€; a New Mouse Model of CHARGE Syndrome, Results in Ossicle Malformation, Otosclerosis and Hearing Impairment. PLoS ONE, 2014, 9, e97559.	2.5	20
92	Transposon mutagenesis reveals cooperation of ETS family transcription factors with signaling pathways in erythro-megakaryocytic leukemia. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 6091-6096.	7.1	19
93	Regulation of platelet lifespan in the presence and absence of thrombopoietin signaling. Journal of Thrombosis and Haemostasis, 2016, 14, 1882-1887.	3.8	19
94	Intrinsic apoptosis circumvents the functional decline of circulating platelets but does not cause the storage lesion. Blood, 2018, 132, 197-209.	1.4	19
95	MyD88 Is a Critical Regulator of Hematopoietic Cell-Mediated Neuroprotection Seen after Stroke. PLoS ONE, 2013, 8, e57948.	2.5	18
96	Fetal inhibition of inflammation improves disease phenotypes in harlequin ichthyosis. Human Molecular Genetics, 2015, 24, 436-449.	2.9	17
97	Description of a novel mutation leading to MYH9-related disease. Thrombosis Research, 2008, 122, 861-863.	1.7	16
98	Loss of Bak enhances lymphocytosis but does not ameliorate thrombocytopaenia in BCL-2 transgenic mice. Cell Death and Differentiation, 2014, 21, 676-684.	11.2	16
99	A Kinase-Dead Allele of Lyn Attenuates Autoimmune Disease Normally Associated with Lyn Deficiency. Journal of Immunology, 2009, 182, 2020-2029.	0.8	15
100	ENU mutagenesis identifies the first mouse mutants reproducing human Î²-thalassemia at the genomic level. Blood Cells, Molecules, and Diseases, 2013, 50, 86-92.	1.4	15
101	Mice Haploinsufficient for Ets1 and Fli1 Display Middle Ear Abnormalities and Model Aspects of Jacobsen Syndrome. American Journal of Pathology, 2015, 185, 1867-1876.	3.8	15
102	Shared roles for Scl and Lyl1 in murine platelet production and function. Blood, 2019, 134, 826-835.	1.4	15
103	Developmental Stageâ€“Specific Manifestations of Absent TPO/c-MPL Signalling in Newborn Mice. Thrombosis and Haemostasis, 2017, 117, 2322-2333.	3.4	14
104	Cell death following the loss of ADAR1 mediated A-to-I RNA editing is not effected by the intrinsic apoptosis pathway. Cell Death and Disease, 2019, 10, 913.	6.3	13
105	Epigenetic Activation of Plasmacytoid DCs Drives IFNAR-Dependent Therapeutic Differentiation of AML. Cancer Discovery, 2022, 12, 1560-1579.	9.4	13
106	A new mouse model of Canavan leukodystrophy displays hearing impairment due to central nervous system dysmyelination. DMM Disease Models and Mechanisms, 2014, 7, 649-57.	2.4	12
107	Transgenic, inducible RNAi in megakaryocytes and platelets in mice. Journal of Thrombosis and Haemostasis, 2010, 8, 2751-2756.	3.8	11
108	Reduced Lymphocyte Longevity and Homeostatic Proliferation in Lamin B Receptor-Deficient Mice Results in Profound and Progressive Lymphopenia. Journal of Immunology, 2012, 188, 122-134.	0.8	11

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109	Two ENU-Induced Alleles of Atp2b2 Cause Deafness in Mice. PLoS ONE, 2013, 8, e67479.	2.5	11
110	The Regulation of Platelet Life Span. , 2013, , 51-65.		10
111	Recipient BCL2 inhibition and NK cell ablation form part of a reduced intensity conditioning regime that improves allo-bone marrow transplantation outcomes. Cell Death and Differentiation, 2019, 26, 1516-1530.	11.2	10
112	Apoptotic mitochondria prime anti-tumour immunity. Cell Death Discovery, 2020, 6, 98.	4.7	10
113	Apoptotic Ablation of Platelets Reduces Atherosclerosis in Mice With Diabetes. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 1167-1178.	2.4	10
114	Discordance in STING-Induced Activation and Cell Death Between Mouse and Human Dendritic Cell Populations. Frontiers in Immunology, 2022, 13, 794776.	4.8	10
115	Mutational inhibition of c-Myb or p300 ameliorates treatment-induced thrombocytopenia. Blood, 2009, 113, 5599-5604.	1.4	9
116	SOCS4 is dispensable for an efficient recall response to influenza despite being required for primary immunity. Immunology and Cell Biology, 2015, 93, 909-913.	2.3	9
117	Cloning, expression, and promoter structure of a mammalian Inner Centromere Protein (INCENP). Mammalian Genome, 1999, 10, 415-418.	2.2	8
118	Aging platelets stimulate TPO production. Nature Medicine, 2015, 21, 11-12.	30.7	8
119	Loss of <scp>PUMA</scp> (<scp>BBC</scp>3) does not prevent thrombocytopenia caused by the loss of <scp>BCL</scp>â€<scp>XL</scp> (<scp>BCL</scp>2L1). British Journal of Haematology, 2016, 174, 962-969.	2.5	7
120	Loss of Dynamin 2 <scp>GTP</scp>ase function results in microcytic anaemia. British Journal of Haematology, 2017, 178, 616-628.	2.5	7
121	A mouse model of hereditary coproporphyria identified in an ENU mutagenesis screen. DMM Disease Models and Mechanisms, 2017, 10, 1005-1013.	2.4	7
122	Acute myeloid leukemia maturation lineage influences residual disease and relapse following differentiation therapy. Nature Communications, 2021, 12, 6546.	12.8	7
123	Genetic mapping of mouse centromere protein (Incenp and Cenpe) genes. Cytogenetic and Genome Research, 1998, 82, 67-70.	1.1	6
124	Probabilistic analysis of recessive mutagenesis screen strategies. Mammalian Genome, 2007, 18, 5-22.	2.2	6
125	A Model for Studying the Hemostatic Consumption or Destruction of Platelets. PLoS ONE, 2013, 8, e57783.	2.5	6
126	NLRP1a Expression in Srebp-1a-Deficient Mice. Cell Metabolism, 2014, 19, 345-346.	16.2	6

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127	Thrombocytopenia and erythrocytosis in mice with a mutation in the gene encoding the hemoglobin Â minor chain. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 576-581.	7.1	5
128	Characterization of Tfrc-mutant mice with microcytic phenotypes. Blood Advances, 2018, 2, 1914-1922.	5.2	5
129	Germline heterozygous mutations in Nxf1 perturb RNA metabolism and trigger thrombocytopenia and lymphopenia in mice. Blood Advances, 2020, 4, 1270-1283.	5.2	5
130	Stressed mitochondria sound the alarm. Immunology and Cell Biology, 2015, 93, 427-428.	2.3	4
131	Altered B-lymphopoiesis in mice with deregulated thrombopoietin signaling. Scientific Reports, 2017, 7, 14953.	3.3	4
132	Cell Death in the Hematopoietic System. , 2009, , 443-459.		3
133	Homeostatic apoptosis prevents competition-induced atrophy in follicular B cells. Cell Reports, 2021, 36, 109430.	6.4	3
134	Genetic Modifier Screens in Mice. Current Protocols in Mouse Biology, 2012, 2, 75-87.	1.2	2
135	Generation of Murine Bone Marrow and Fetal Liver Chimeras. Current Protocols, 2021, 1, e79.	2.9	1
136	Acknowledgements: the Levin/Kile rule. Platelets, 2019, 30, 280-280.	2.3	0
137	Megakaryocytes possess a functional intrinsic apoptosis pathway that must be restrained to survive and produce platelets. Journal of Cell Biology, 2011, 194, i12-i12.	5.2	0
138	Aberrant actin depolymerization triggers the pyrin inflammasome and autoinflammatory disease that is dependent on IL-18, not IL-1Î². Journal of Cell Biology, 2015, 209, 2095OIA104.	5.2	0