

Kazuhiko Igarashi

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192
papers

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123
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202
ext. papers

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ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
192	An Nrf2/small Maf heterodimer mediates the induction of phase II detoxifying enzyme genes through antioxidant response elements. <i>Biochemical and Biophysical Research Communications</i> , 1997 , 236, 313-22	3.4	3062
191	Oxidative stress sensor Keap1 functions as an adaptor for Cul3-based E3 ligase to regulate proteasomal degradation of Nrf2. <i>Molecular and Cellular Biology</i> , 2004 , 24, 7130-9	4.8	1561
190	Hemoprotein Bach1 regulates enhancer availability of heme oxygenase-1 gene. <i>EMBO Journal</i> , 2002 , 21, 5216-24	13	483
189	Regulation of transcription by dimerization of erythroid factor NF-E2 p45 with small Maf proteins. <i>Nature</i> , 1994 , 367, 568-72	50.4	399
188	Heme mediates derepression of Maf recognition element through direct binding to transcription repressor Bach1. <i>EMBO Journal</i> , 2001 , 20, 2835-43	13	372
187	Bipartite functional map of the E. coli RNA polymerase alpha subunit: involvement of the C-terminal region in transcription activation by cAMP-CRP. <i>Cell</i> , 1991 , 65, 1015-22	56.2	313
186	DNA damage-dependent acetylation and ubiquitination of H2AX enhances chromatin dynamics. <i>Molecular and Cellular Biology</i> , 2007 , 27, 7028-40	4.8	292
185	Heme regulates the dynamic exchange of Bach1 and NF-E2-related factors in the Maf transcription factor network. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 1461-6	11.5	282
184	BACH2 represses effector programs to stabilize T(reg)-mediated immune homeostasis. <i>Nature</i> , 2013 , 498, 506-10	50.4	264
183	Heme-mediated SPI-C induction promotes monocyte differentiation into iron-recycling macrophages. <i>Cell</i> , 2014 , 156, 1223-1234	56.2	258
182	Characterization of the cancer chemopreventive NRF2-dependent gene battery in human keratinocytes: demonstration that the KEAP1-NRF2 pathway, and not the BACH1-NRF2 pathway, controls cytoprotection against electrophiles as well as redox-cycling compounds. <i>Carcinogenesis</i> , 2009 , 30, 1571-80	4.6	240
181	The world according to Maf. <i>Nucleic Acids Research</i> , 1997 , 25, 2953-59	20.1	224
180	The superoxide-producing NAD(P)H oxidase Nox4 in the nucleus of human vascular endothelial cells. <i>Genes To Cells</i> , 2005 , 10, 1139-51	2.3	219
179	Molecular cloning and functional characterization of a new Cap'n' collar family transcription factor Nrf3. <i>Journal of Biological Chemistry</i> , 1999 , 274, 6443-52	5.4	219
178	The transcriptional programme of antibody class switching involves the repressor Bach2. <i>Nature</i> , 2004 , 429, 566-71	50.4	215
177	Bach1 functions as a hypoxia-inducible repressor for the heme oxygenase-1 gene in human cells. <i>Journal of Biological Chemistry</i> , 2003 , 278, 9125-33	5.4	214
176	Heme induces ubiquitination and degradation of the transcription factor Bach1. <i>Molecular and Cellular Biology</i> , 2007 , 27, 6962-71	4.8	195

175	The heme-Bach1 pathway in the regulation of oxidative stress response and erythroid differentiation. <i>Antioxidants and Redox Signaling</i> , 2006 , 8, 107-18	8.4	193
174	Dynamic changes in transcription factor complexes during erythroid differentiation revealed by quantitative proteomics. <i>Nature Structural and Molecular Biology</i> , 2004 , 11, 73-80	17.6	188
173	Heme regulates gene expression by triggering Crm1-dependent nuclear export of Bach1. <i>EMBO Journal</i> , 2004 , 23, 2544-53	13	160
172	Multivalent DNA binding complex generated by small Maf and Bach1 as a possible biochemical basis for beta-globin locus control region complex. <i>Journal of Biological Chemistry</i> , 1998 , 273, 11783-90	5.4	155
171	S-Adenosylmethionine Synthesis Is Regulated by Selective N-Adenosine Methylation and mRNA Degradation Involving METTL16 and YTHDC1. <i>Cell Reports</i> , 2017 , 21, 3354-3363	10.6	151
170	Bach2 represses plasma cell gene regulatory network in B cells to promote antibody class switch. <i>EMBO Journal</i> , 2010 , 29, 4048-61	13	145
169	Identification of Bach2 as a B-cell-specific partner for small maf proteins that negatively regulate the immunoglobulin heavy chain gene 3' enhancer. <i>EMBO Journal</i> , 1998 , 17, 5734-43	13	145
168	The Tohoku Medical Megabank Project: Design and Mission. <i>Journal of Epidemiology</i> , 2016 , 26, 493-511	3.4	141
167	BACH2 regulates CD8(+) T cell differentiation by controlling access of AP-1 factors to enhancers. <i>Nature Immunology</i> , 2016 , 17, 851-860	19.1	136
166	Methionine adenosyltransferase II serves as a transcriptional corepressor of Maf oncoprotein. <i>Molecular Cell</i> , 2011 , 41, 554-66	17.6	125
165	Cadmium induces nuclear export of Bach1, a transcriptional repressor of heme oxygenase-1 gene. <i>Journal of Biological Chemistry</i> , 2003 , 278, 49246-53	5.4	125
164	Plasmacytic transcription factor Blimp-1 is repressed by Bach2 in B cells. <i>Journal of Biological Chemistry</i> , 2006 , 281, 38226-34	5.4	119
163	Activation of beta-major globin gene transcription is associated with recruitment of NF-E2 to the beta-globin LCR and gene promoter. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 10226-31	11.5	114
162	Mapping the cAMP receptor protein contact site on the alpha subunit of Escherichia coli RNA polymerase. <i>Molecular Microbiology</i> , 1992 , 6, 2599-605	4.1	110
161	Human small Maf proteins form heterodimers with CNC family transcription factors and recognize the NF-E2 motif. <i>Oncogene</i> , 1997 , 14, 1901-10	9.2	100
160	E. coli RNA polymerase, deleted in the C-terminal part of its alpha-subunit, interacts differently with the cAMP-CRP complex at the lacP1 and at the galP1 promoter. <i>Nucleic Acids Research</i> , 1993 , 21, 319-26	20.1	96
159	A combinatorial code for gene expression generated by transcription factor Bach2 and MAZR (MAZ-related factor) through the BTB/POZ domain. <i>Molecular and Cellular Biology</i> , 2000 , 20, 1733-46	4.8	95
158	Heme positively regulates the expression of beta-globin at the locus control region via the transcriptional factor Bach1 in erythroid cells. <i>Journal of Biological Chemistry</i> , 2004 , 279, 5480-7	5.4	93

157	Activity and expression of murine small Maf family protein MafK. <i>Journal of Biological Chemistry</i> , 1995 , 270, 7615-24	5.4	91
156	Bach2 maintains T cells in a naive state by suppressing effector memory-related genes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 10735-40	11.5	88
155	Mitochondrial function provides instructive signals for activation-induced B-cell fates. <i>Nature Communications</i> , 2015 , 6, 6750	17.4	87
154	Bach1 repression of ferritin and thioredoxin reductase1 is heme-sensitive in cells and in vitro and coordinates expression with heme oxygenase1, beta-globin, and NADP(H) quinone (oxido) reductase1. <i>Journal of Biological Chemistry</i> , 2007 , 282, 34365-71	5.4	86
153	Suppression of rat thromboxane synthase gene transcription by peroxisome proliferator-activated receptor gamma in macrophages via an interaction with NRF2. <i>Journal of Biological Chemistry</i> , 2000 , 275, 33142-50	5.4	83
152	BACH2 mediates negative selection and p53-dependent tumor suppression at the pre-B cell receptor checkpoint. <i>Nature Medicine</i> , 2013 , 19, 1014-22	50.5	82
151	Regulation of the plasma cell transcription factor Blimp-1 gene by Bach2 and Bcl6. <i>International Immunology</i> , 2008 , 20, 453-60	4.9	82
150	Regulation of heme oxygenase-1 gene transcription: recent advances and highlights from the International Conference (Uppsala, 2003) on Heme Oxygenase. <i>Antioxidants and Redox Signaling</i> , 2004 , 6, 924-33	8.4	82
149	Transcription repressor Bach2 is required for pulmonary surfactant homeostasis and alveolar macrophage function. <i>Journal of Experimental Medicine</i> , 2013 , 210, 2191-204	16.6	78
148	Oxidative stress abolishes leptomycin B-sensitive nuclear export of transcription repressor Bach2 that counteracts activation of Maf recognition element. <i>Journal of Biological Chemistry</i> , 2000 , 275, 15370-6	5.4	78
147	Wearing red for signaling: the heme-bach axis in heme metabolism, oxidative stress response and iron immunology. <i>Tohoku Journal of Experimental Medicine</i> , 2014 , 232, 229-53	2.4	77
146	Activation of Maf/AP-1 repressor Bach2 by oxidative stress promotes apoptosis and its interaction with promyelocytic leukemia nuclear bodies. <i>Journal of Biological Chemistry</i> , 2002 , 277, 20724-33	5.4	77
145	Long range interaction of cis-DNA elements mediated by architectural transcription factor Bach1. <i>Genes To Cells</i> , 1999 , 4, 643-55	2.3	77
144	Functional specialization within the alpha-subunit of Escherichia coli RNA polymerase. <i>Journal of Molecular Biology</i> , 1991 , 221, 23-9	6.5	75
143	Identification of a subunit assembly domain in the alpha subunit of Escherichia coli RNA polymerase. <i>Journal of Molecular Biology</i> , 1991 , 218, 1-6	6.5	75
142	The transcription repressors Bach2 and Bach1 promote B cell development by repressing the myeloid program. <i>Nature Immunology</i> , 2014 , 15, 1171-80	19.1	74
141	Genetic ablation of the transcription repressor Bach1 leads to myocardial protection against ischemia/reperfusion in mice. <i>Genes To Cells</i> , 2006 , 11, 791-803	2.3	73
140	Bach1 inhibits oxidative stress-induced cellular senescence by impeding p53 function on chromatin. <i>Nature Structural and Molecular Biology</i> , 2008 , 15, 1246-54	17.6	70

139	Bach1, a heme-dependent transcription factor, reveals presence of multiple heme binding sites with distinct coordination structure. <i>IUBMB Life</i> , 2007 , 59, 542-51	4.7	70
138	Heme regulates B-cell differentiation, antibody class switch, and heme oxygenase-1 expression in B cells as a ligand of Bach2. <i>Blood</i> , 2011 , 117, 5438-48	2.2	64
137	Regulation of NF-E2 activity in erythroleukemia cell differentiation. <i>Journal of Biological Chemistry</i> , 1998 , 273, 5358-65	5.4	63
136	Myocardial protection against pressure overload in mice lacking Bach1, a transcriptional repressor of heme oxygenase-1. <i>Hypertension</i> , 2008 , 51, 1570-7	8.5	61
135	Heme-dependent up-regulation of the alpha-globin gene expression by transcriptional repressor Bach1 in erythroid cells. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 324, 77-85	3.4	61
134	BACH transcription factors in innate and adaptive immunity. <i>Nature Reviews Immunology</i> , 2017 , 17, 437-450	4.5	60
133	Conditional expression of the ubiquitous transcription factor MafK induces erythroleukemia cell differentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995 , 92, 7445-9	11.5	59
132	Sequence analysis of two temperature-sensitive mutations in the alpha subunit gene (rpoA) of Escherichia coli RNA polymerase. <i>Nucleic Acids Research</i> , 1990 , 18, 5945-8	20.1	56
131	Ferroptosis is controlled by the coordinated transcriptional regulation of glutathione and labile iron metabolism by the transcription factor BACH1. <i>Journal of Biological Chemistry</i> , 2020 , 295, 69-82	5.4	56
130	Promoter selectivity of Escherichia coli RNA polymerase: omega factor is responsible for the ppGpp sensitivity. <i>Nucleic Acids Research</i> , 1989 , 17, 8755-65	20.1	54
129	Orchestration of plasma cell differentiation by Bach2 and its gene regulatory network. <i>Immunological Reviews</i> , 2014 , 261, 116-25	11.3	53
128	Cloning and expression of human B cell-specific transcription factor BACH2 mapped to chromosome 6q15. <i>Oncogene</i> , 2000 , 19, 3739-49	9.2	53
127	Stimulation of the phage lambda pL promoter by integration host factor requires the carboxy terminus of the alpha-subunit of RNA polymerase. <i>Journal of Molecular Biology</i> , 1992 , 227, 985-90	6.5	51
126	BTB and CNC homolog 1 (Bach1) deficiency ameliorates TNBS colitis in mice: role of M2 macrophages and heme oxygenase-1. <i>Inflammatory Bowel Diseases</i> , 2013 , 19, 740-53	4.5	49
125	Reconstitution of human beta-globin locus control region hypersensitive sites in the absence of chromatin assembly. <i>Molecular and Cellular Biology</i> , 2001 , 21, 2629-40	4.8	49
124	Epigenetic Regulation of the Blimp-1 Gene (Prdm1) in B Cells Involves Bach2 and Histone Deacetylase 3. <i>Journal of Biological Chemistry</i> , 2016 , 291, 6316-30	5.4	48
123	Architecture and dynamics of the transcription factor network that regulates B-to-plasma cell differentiation. <i>Journal of Biochemistry</i> , 2007 , 141, 783-9	3.1	47
122	Bcr-Abl signaling through the PI-3/S6 kinase pathway inhibits nuclear translocation of the transcription factor Bach2, which represses the antiapoptotic factor heme oxygenase-1. <i>Blood</i> , 2007 , 109, 1211-9	2.2	47

121	Repression of PML nuclear body-associated transcription by oxidative stress-activated Bach2. <i>Molecular and Cellular Biology</i> , 2004 , 24, 3473-84	4.8	47
120	Glucocorticoid receptor signaling represses the antioxidant response by inhibiting histone acetylation mediated by the transcriptional activator NRF2. <i>Journal of Biological Chemistry</i> , 2017 , 292, 7519-7530	5.4	46
119	Activation of the SUMO modification system is required for the accumulation of RAD51 at sites of DNA damage. <i>Journal of Cell Science</i> , 2013 , 126, 5284-92	5.3	46
118	Bach1 deficiency reduces severity of osteoarthritis through upregulation of heme oxygenase-1. <i>Arthritis Research and Therapy</i> , 2015 , 17, 285	5.7	44
117	Duodenal follicular lymphoma lacks AID but expresses BACH2 and has memory B-cell characteristics. <i>Modern Pathology</i> , 2013 , 26, 22-31	9.8	44
116	Methionine adenosyltransferase II-dependent histone H3K9 methylation at the COX-2 gene locus. <i>Journal of Biological Chemistry</i> , 2013 , 288, 13592-601	5.4	44
115	Small Maf compound mutants display central nervous system neuronal degeneration, aberrant transcription, and Bach protein mislocalization coincident with myoclonus and abnormal startle response. <i>Molecular and Cellular Biology</i> , 2003 , 23, 1163-74	4.8	43
114	Cohort Profile: Tohoku Medical Megabank Project Birth and Three-Generation Cohort Study (TMM BirThree Cohort Study): rationale, progress and perspective. <i>International Journal of Epidemiology</i> , 2020 , 49, 18-19m	7.8	43
113	Effects of genetic ablation of bach1 upon smooth muscle cell proliferation and atherosclerosis after cuff injury. <i>Genes To Cells</i> , 2005 , 10, 277-85	2.3	42
112	Transforming growth factor- β induces transcription factors MafK and Bach1 to suppress expression of the heme oxygenase-1 gene. <i>Journal of Biological Chemistry</i> , 2013 , 288, 20658-67	5.4	40
111	Mechanism governing heme synthesis reveals a GATA factor/heme circuit that controls differentiation. <i>EMBO Reports</i> , 2016 , 17, 249-65	6.5	40
110	Genetic ablation of transcription repressor Bach1 reduces neural tissue damage and improves locomotor function after spinal cord injury in mice. <i>Journal of Neurotrauma</i> , 2009 , 26, 31-9	5.4	39
109	B-cell-specific transcription factor BACH2 modifies the cytotoxic effects of anticancer drugs. <i>Blood</i> , 2003 , 102, 3317-22	2.2	38
108	Prognostic significance of BACH2 expression in diffuse large B-cell lymphoma: a study of the Osaka Lymphoma Study Group. <i>Journal of Clinical Oncology</i> , 2005 , 23, 8012-7	2.2	37
107	Transcription factor BACH1 is recruited to the nucleus by its novel alternative spliced isoform. <i>Journal of Biological Chemistry</i> , 2001 , 276, 7278-84	5.4	37
106	Mesodermal- vs. neuronal-specific expression of MafK is elicited by different promoters. <i>Genes To Cells</i> , 1996 , 1, 223-38	2.3	36
105	The Mediator Subunit MED16 Transduces NRF2-Activating Signals into Antioxidant Gene Expression. <i>Molecular and Cellular Biology</i> , 2016 , 36, 407-20	4.8	35
104	Ablation of the bach1 gene leads to the suppression of atherosclerosis in bach1 and apolipoprotein E double knockout mice. <i>Hypertension Research</i> , 2008 , 31, 783-92	4.7	35

103	Transgenic expression of BACH1 transcription factor results in megakaryocytic impairment. <i>Blood</i> , 2005 , 105, 3100-8	2.2	35
102	A Bach2-Cebp Gene Regulatory Network for the Commitment of Multipotent Hematopoietic Progenitors. <i>Cell Reports</i> , 2017 , 18, 2401-2414	10.6	32
101	Dynamic cytoplasmic anchoring of the transcription factor Bach1 by intracellular hyaluronic acid binding protein IHABP. <i>Journal of Biochemistry</i> , 2005 , 137, 287-96	3.1	31
100	Bach1 gene ablation reduces steatohepatitis in mouse MCD diet model. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2011 , 48, 161-6	3.1	29
99	beta-Carotene and cigarette smoke condensate regulate heme oxygenase-1 and its repressor factor Bach1: relationship with cell growth. <i>Antioxidants and Redox Signaling</i> , 2006 , 8, 1069-80	8.4	29
98	BACH1 Promotes Pancreatic Cancer Metastasis by Repressing Epithelial Genes and Enhancing Epithelial-Mesenchymal Transition. <i>Cancer Research</i> , 2020 , 80, 1279-1292	10.1	28
97	Interaction and cooperation of mi transcription factor (MITF) and myc-associated zinc-finger protein-related factor (MAZR) for transcription of mouse mast cell protease 6 gene. <i>Journal of Biological Chemistry</i> , 2002 , 277, 8566-71	5.4	28
96	Bach1 deficiency protects pancreatic B cells from oxidative stress injury. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013 , 305, E641-8	6	27
95	Proline cis/trans-isomerase Pin1 regulates peroxisome proliferator-activated receptor gamma activity through the direct binding to the activation function-1 domain. <i>Journal of Biological Chemistry</i> , 2010 , 285, 3126-32	5.4	27
94	Histidine decarboxylase expression in mouse mast cell line P815 is induced by mouse peritoneal cavity incubation. <i>Journal of Biological Chemistry</i> , 1996 , 271, 28439-44	5.4	27
93	-GlcNAcylation Signal Mediates Proteasome Inhibitor Resistance in Cancer Cells by Stabilizing NRF1. <i>Molecular and Cellular Biology</i> , 2018 , 38,	4.8	27
92	Transcription Factor IRF8 Governs Enhancer Landscape Dynamics in Mononuclear Phagocyte Progenitors. <i>Cell Reports</i> , 2018 , 22, 2628-2641	10.6	26
91	The Transcription Factor Bach2 Is Phosphorylated at Multiple Sites in Murine B Cells but a Single Site Prevents Its Nuclear Localization. <i>Journal of Biological Chemistry</i> , 2016 , 291, 1826-1840	5.4	25
90	Genetic ablation of the Bach1 gene reduces hyperoxic lung injury in mice: role of IL-6. <i>Free Radical Biology and Medicine</i> , 2009 , 46, 1119-26	7.8	25
89	Down-regulation of heme oxygenase-2 is associated with the increased expression of heme oxygenase-1 in human cell lines. <i>FEBS Journal</i> , 2006 , 273, 5333-46	5.7	24
88	Metabolic aspects of epigenome: coupling of S-adenosylmethionine synthesis and gene regulation on chromatin by SAMIT module. <i>Sub-Cellular Biochemistry</i> , 2013 , 61, 105-18	5.5	24
87	Study Profile of the Tohoku Medical Megabank Community-Based Cohort Study. <i>Journal of Epidemiology</i> , 2021 , 31, 65-76	3.4	24
86	Heme binds to an intrinsically disordered region of Bach2 and alters its conformation. <i>Archives of Biochemistry and Biophysics</i> , 2015 , 565, 25-31	4.1	23

85	Methyl-Metabolite Depletion Elicits Adaptive Responses to Support Heterochromatin Stability and Epigenetic Persistence. <i>Molecular Cell</i> , 2020 , 78, 210-223.e8	17.6	23
84	Bach1 regulates osteoclastogenesis in a mouse model via both heme oxygenase 1-dependent and heme oxygenase 1-independent pathways. <i>Arthritis and Rheumatism</i> , 2012 , 64, 1518-28		23
83	Genetic heterogeneity in 26 infants with a hypomyelinating leukodystrophy. <i>Human Genetics</i> , 2016 , 135, 89-98	6.3	22
82	TLR4 activation alters labile heme levels to regulate BACH1 and heme oxygenase-1 expression in macrophages. <i>Free Radical Biology and Medicine</i> , 2019 , 137, 131-142	7.8	20
81	Dysregulated heme oxygenase-1 M2-like macrophages augment lupus nephritis via Bach1 induced by type I interferons. <i>Arthritis Research and Therapy</i> , 2018 , 20, 64	5.7	20
80	Collagenase H is crucial for isolation of rat pancreatic islets. <i>Cell Transplantation</i> , 2014 , 23, 1187-98	4	20
79	Suppression of indomethacin-induced apoptosis in the small intestine due to Bach1 deficiency. <i>Free Radical Research</i> , 2011 , 45, 717-27	4	20
78	Identification of senescence-associated genes and their networks under oxidative stress by the analysis of Bach1. <i>Antioxidants and Redox Signaling</i> , 2011 , 14, 2441-51	8.4	20
77	The C113D mutation in human Pin1 causes allosteric structural changes in the phosphate binding pocket of the PPIase domain through the tug of war in the dual-histidine motif. <i>Biochemistry</i> , 2014 , 53, 5568-78	3.2	19
76	Bach1-dependent and -independent regulation of heme oxygenase-1 in keratinocytes. <i>Journal of Biological Chemistry</i> , 2010 , 285, 23581-9	5.4	19
75	Oxidative stress reaction in the meniscus of Bach 1 deficient mice: potential prevention of meniscal degeneration. <i>Journal of Orthopaedic Research</i> , 2008 , 26, 894-8	3.8	19
74	Heme oxygenase-1 gene enhancer manifests silencing activity in a chromatin environment prior to oxidative stress. <i>Antioxidants and Redox Signaling</i> , 2006 , 8, 60-7	8.4	19
73	Zinc finger-IRF composite elements bound by Ikaros/IRF4 complexes function as gene repression in plasma cell. <i>Blood Advances</i> , 2018 , 2, 883-894	7.8	19
72	The mTOR-Bach2 Cascade Controls Cell Cycle and Class Switch Recombination during B Cell Differentiation. <i>Molecular and Cellular Biology</i> , 2017 , 37,	4.8	18
71	MiR-196a regulates heme oxygenase-1 by silencing Bach1 in the neonatal mouse lung. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016 , 311, L400-11	5.8	18
70	Regulation of heme oxygenase-1 by transcription factor Bach1 in the mouse brain. <i>Neuroscience Letters</i> , 2008 , 440, 160-5	3.3	18
69	Expression of the oxidative stress-regulated transcription factor bach2 in differentiating neuronal cells. <i>Journal of Biochemistry</i> , 2002 , 132, 427-31	3.1	18
68	Bach1 deficiency and accompanying overexpression of heme oxygenase-1 do not influence aging or tumorigenesis in mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2014 , 2014, 757901	6.7	17

67	Bach1 modulates heme oxygenase-1 expression in the neonatal mouse lung. <i>Pediatric Research</i> , 2009 , 65, 145-9	3.2	17
66	Bach1 deficiency ameliorates hepatic injury in a mouse model. <i>Tohoku Journal of Experimental Medicine</i> , 2009 , 217, 223-9	2.4	17
65	Crystal structure of the Bach1 BTB domain and its regulation of homodimerization. <i>Genes To Cells</i> , 2009 , 14, 167-78	2.3	16
64	Abundant expression of erythroid transcription factor P45 NF-E2 mRNA in human peripheral granulocytes. <i>Biochemical and Biophysical Research Communications</i> , 1996 , 219, 760-5	3.4	16
63	Regulation of Heme Oxygenase-1 Gene Transcription: Recent Advances and Highlights from the International Conference (Uppsala, 2003) on Heme Oxygenase. <i>Antioxidants and Redox Signaling</i> , 2004 , 6, 924-933	8.4	16
62	Iron-heme-Bach1 axis is involved in erythroblast adaptation to iron deficiency. <i>Haematologica</i> , 2017 , 102, 454-465	6.6	15
61	Bach2 Promotes B Cell Receptor-Induced Proliferation of B Lymphocytes and Represses Cyclin-Dependent Kinase Inhibitors. <i>Journal of Immunology</i> , 2018 , 200, 2882-2893	5.3	15
60	Orchestration of B lymphoid cells and their inner myeloid by Bach. <i>Current Opinion in Immunology</i> , 2016 , 39, 136-42	7.8	15
59	Hemopexin-dependent heme uptake via endocytosis regulates the Bach1 transcription repressor and heme oxygenase gene activation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014 , 1840, 2351-60	4.0	15
58	Fission yeast homologues of the B' subunit of protein phosphatase 2A: multiple roles in mitotic cell division and functional interaction with calcineurin. <i>Genes To Cells</i> , 2001 , 6, 455-73	2.3	15
57	The double knockout of Bach1 and Bach2 in mice reveals shared compensatory mechanisms in regulating alveolar macrophage function and lung surfactant homeostasis. <i>Journal of Biochemistry</i> , 2016 , 160, 333-344	3.1	15
56	SUMO modification system facilitates the exchange of histone variant H2A.Z-2 at DNA damage sites. <i>Nucleus</i> , 2018 , 9, 87-94	3.9	15
55	Infection perturbs Bach2- and Bach1-dependent erythroid lineage 'choice' to cause anemia. <i>Nature Immunology</i> , 2018 , 19, 1059-1070	19.1	15
54	Genetic ablation of Bach1 gene enhances recovery from hyperoxic lung injury in newborn mice via transient upregulation of inflammatory genes. <i>Pediatric Research</i> , 2017 , 81, 926-931	3.2	14
53	Association between BACH2 expression and clinical prognosis in diffuse large B-cell lymphoma. <i>Cancer Science</i> , 2014 , 105, 437-44	6.9	14
52	Solution structure of clostridial collagenase H and its calcium-dependent global conformation change. <i>Biophysical Journal</i> , 2013 , 104, 1538-45	2.9	14
51	Synergistic Effect of Neutral Protease and Clostripain on Rat Pancreatic Islet Isolation. <i>Transplantation</i> , 2015 , 99, 1349-55	1.8	14
50	To be red or white: lineage commitment and maintenance of the hematopoietic system by the "inner myeloid". <i>Haematologica</i> , 2019 , 104, 1919-1927	6.6	14

49	Reductions in the mitochondrial ABC transporter Abcb10 affect the transcriptional profile of heme biosynthesis genes. <i>Journal of Biological Chemistry</i> , 2017 , 292, 16284-16299	5.4	13
48	Co-repressor SMRT and class II histone deacetylases promote Bach2 nuclear retention and formation of nuclear foci that are responsible for local transcriptional repression. <i>Journal of Biochemistry</i> , 2007 , 141, 719-27	3.1	13
47	Regulatory signatures of liver regeneration distilled by integrative analysis of mRNA, histone methylation, and proteomics. <i>Journal of Biological Chemistry</i> , 2017 , 292, 8019-8037	5.4	12
46	N 1-methyladenosine (m1A) RNA modification: the key to ribosome control. <i>Journal of Biochemistry</i> , 2020 , 167, 535-539	3.1	12
45	Transcription-independent role of Bach1 in mitosis through a nuclear exporter Crm1-dependent mechanism. <i>FEBS Letters</i> , 2012 , 586, 448-54	3.8	12
44	Cloning of a coproporphyrinogen oxidase promoter regulatory element binding protein. <i>Biochemical and Biophysical Research Communications</i> , 2000 , 273, 596-602	3.4	12
43	Genetic complementation analysis showed distinct contributions of the N-terminal tail of H2A.Z to epigenetic regulations. <i>Genes To Cells</i> , 2016 , 21, 122-35	2.3	12
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