

Marc Montminy

List of Publications by Year in descending order

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62
papers

18,033
citations

66315

42
h-index

128225

60
g-index

67
all docs

67
docs citations

67
times ranked

22174
citing authors

#	ARTICLE	IF	CITATIONS
1	Transcriptional regulation by the phosphorylation-dependent factor CREB. <i>Nature Reviews Molecular Cell Biology</i> , 2001, 2, 599-609.	16.1	2,257
2	The Kinase LKB1 Mediates Glucose Homeostasis in Liver and Therapeutic Effects of Metformin. <i>Science</i> , 2005, 310, 1642-1646.	6.0	1,704
3	CREB regulates hepatic gluconeogenesis through the coactivator PGC-1. <i>Nature</i> , 2001, 413, 179-183.	13.7	1,238
4	TRANSCRIPTIONAL REGULATION BY CYCLIC AMP. <i>Annual Review of Biochemistry</i> , 1997, 66, 807-822.	5.0	926
5	Role of CBP/P300 in nuclear receptor signalling. <i>Nature</i> , 1996, 383, 99-103.	13.7	899
6	The CREB coactivator TORC2 is a key regulator of fasting glucose metabolism. <i>Nature</i> , 2005, 437, 1109-1114.	13.7	888
7	Genome-wide analysis of cAMP-response element binding protein occupancy, phosphorylation, and target gene activation in human tissues. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 4459-4464.	3.3	878
8	CREB and the CRTC co-activators: sensors for hormonal and metabolic signals. <i>Nature Reviews Molecular Cell Biology</i> , 2011, 12, 141-151.	16.1	849
9	The CREB Coactivator TORC2 Functions as a Calcium- and cAMP-Sensitive Coincidence Detector. <i>Cell</i> , 2004, 119, 61-74.	13.5	581
10	TORCs. <i>Molecular Cell</i> , 2003, 12, 413-423.	4.5	564
11	Mutations in NEUROD1 are associated with the development of type 2 diabetes mellitus. <i>Nature Genetics</i> , 1999, 23, 323-328.	9.4	551
12	PGC-1 promotes insulin resistance in liver through PPAR- α -dependent induction of TRB-3. <i>Nature Medicine</i> , 2004, 10, 530-534.	15.2	499
13	cAMP promotes pancreatic β -cell survival via CREB-mediated induction of IRS2. <i>Genes and Development</i> , 2003, 17, 1575-1580.	2.7	491
14	Class IIa Histone Deacetylases Are Hormone-Activated Regulators of FOXO and Mammalian Glucose Homeostasis. <i>Cell</i> , 2011, 145, 607-621.	13.5	486
15	A fasting inducible switch modulates gluconeogenesis via activator/coactivator exchange. <i>Nature</i> , 2008, 456, 269-273.	13.7	481
16	Cryptochrome mediates circadian regulation of cAMP signaling and hepatic gluconeogenesis. <i>Nature Medicine</i> , 2010, 16, 1152-1156.	15.2	465
17	Insulin modulates gluconeogenesis by inhibition of the coactivator TORC2. <i>Nature</i> , 2007, 449, 366-369.	13.7	354
18	Hepatic Glucose Sensing via the CREB Coactivator CRTC2. <i>Science</i> , 2008, 319, 1402-1405.	6.0	274

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19	The CREB coactivator CRTC2 links hepatic ER stress and fasting gluconeogenesis. <i>Nature</i> , 2009, 460, 534-537.	13.7	252
20	SIK1 is a class II HDAC kinase that promotes survival of skeletal myocytes. <i>Nature Medicine</i> , 2007, 13, 597-603.	15.2	235
21	CREB pathway links PGE2 signaling with macrophage polarization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 15642-15647.	3.3	225
22	A Hormone-Dependent Module Regulating Energy Balance. <i>Cell</i> , 2011, 145, 596-606.	13.5	219
23	The Creb1 coactivator Crtc1 is required for energy balance and fertility. <i>Nature Medicine</i> , 2008, 14, 1112-1117.	15.2	185
24	Identification of small-molecule antagonists that inhibit an activator:coactivator interaction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 17622-17627.	3.3	180
25	Inositol-1,4,5-trisphosphate receptor regulates hepatic gluconeogenesis in fasting and diabetes. <i>Nature</i> , 2012, 485, 128-132.	13.7	169
26	Protein-kinase-A-dependent activator in transcription factor CREB reveals new role for CREM repressors. <i>Nature</i> , 1993, 364, 821-824.	13.7	165
27	Adipocyte CREB Promotes Insulin Resistance in Obesity. <i>Cell Metabolism</i> , 2009, 9, 277-286.	7.2	157
28	Cooperative interactions between CBP and TORC2 confer selectivity to CREB target gene expression. <i>EMBO Journal</i> , 2007, 26, 2880-2889.	3.5	148
29	Regulatory factor linked to late-onset diabetes?. <i>Nature</i> , 1998, 392, 560-560.	13.7	144
30	Targeted disruption of the CREB coactivator Crtc2 increases insulin sensitivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 3087-3092.	3.3	137
31	CRTC3 links catecholamine signalling to energy balance. <i>Nature</i> , 2010, 468, 933-939.	13.7	128
32	CREB: the unindicted cancer co-conspirator. <i>Trends in Cell Biology</i> , 2005, 15, 457-459.	3.6	120
33	Leptin-Mediated Increases in Catecholamine Signaling Reduce Adipose Tissue Inflammation via Activation of Macrophage HDAC4. <i>Cell Metabolism</i> , 2014, 19, 1058-1065.	7.2	98
34	Role of the cAMP Pathway in Glucose and Lipid Metabolism. <i>Handbook of Experimental Pharmacology</i> , 2015, 233, 29-49.	0.9	96
35	Chromatin-Dependent Cooperativity between Constitutive and Inducible Activation Domains in CREB. <i>Molecular and Cellular Biology</i> , 2001, 21, 7892-7900.	1.1	90
36	The Insulin-Regulated CREB Coactivator TORC Promotes Stress Resistance in <i>Drosophila</i> . <i>Cell Metabolism</i> , 2008, 7, 434-444.	7.2	87

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37	Mechanism of CREB recognition and coactivation by the CREB-regulated transcriptional coactivator CRTC2. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 20865-20870.	3.3	74
38	Glucagon regulates gluconeogenesis through KAT2B- and WDR5-mediated epigenetic effects. Journal of Clinical Investigation, 2013, 123, 4318-4328.	3.9	73
39	PRMT5 modulates the metabolic response to fasting signals. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 8870-8875.	3.3	70
40	mTOR links incretin signaling to HIF induction in pancreatic beta cells. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 16876-16882.	3.3	62
41	Feedback Inhibition of CREB Signaling Promotes Beta Cell Dysfunction in Insulin Resistance. Cell Reports, 2015, 10, 1149-1157.	2.9	55
42	14â€³â€³ proteins mediate inhibitory effects of cAMP on saltâ€³-inducible kinases (SIKs). FEBS Journal, 2018, 285, 467-480.	2.2	49
43	Trying on a new pair of SH2s. Science, 1993, 261, 1694-1695.	6.0	45
44	The CREB/CRTC2 pathway modulates autoimmune disease by promoting Th17 differentiation. Nature Communications, 2015, 6, 7216.	5.8	42
45	Wylie Vale: Neuroendocrine master. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3604-3605.	3.3	35
46	Neuronal energy-sensing pathway promotes energy balance by modulating disease tolerance. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E3307-14.	3.3	35
47	ATF3 mediates inhibitory effects of ethanol on hepatic gluconeogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2699-2704.	3.3	31
48	The CREB coactivator CRTC2 promotes oncogenesis in LKB1-mutant nonâ€³-small cell lung cancer. Science Advances, 2019, 5, eaaw6455.	4.7	30
49	CREB Promotes Beta Cell Gene Expression by Targeting Its Coactivators to Tissue-Specific Enhancers. Molecular and Cellular Biology, 2019, 39, .	1.1	29
50	Analysis of a cAMP regulated coactivator family reveals an alternative phosphorylation motif for AMPK family members. PLoS ONE, 2017, 12, e0173013.	1.1	27
51	Hepatic Insulin Resistance Following Chronic Activation of the CREB Coactivator CRTC2. Journal of Biological Chemistry, 2015, 290, 25997-26006.	1.6	26
52	cAMP-inducible coactivator CRTC3 attenuates brown adipose tissue thermogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E5289-E5297.	3.3	22
53	Transcriptional co-activator regulates melanocyte differentiation and oncogenesis by integrating cAMP and MAPK/ERK pathways. Cell Reports, 2021, 35, 109136.	2.9	21
54	Combinatorial regulation of a signal-dependent activator by phosphorylation and acetylation. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 17116-17121.	3.3	20

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55	Mitogenic Signals Stimulate the CREB Coactivator CRTC3 through PP2A Recruitment. <i>IScience</i> , 2019, 11, 134-145.	1.9	16
56	CREB coactivators CRTC2 and CRTC3 modulate bone marrow hematopoiesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11739-11744.	3.3	15
57	Adaptive Transcriptional Responses by CRTC Coactivators in Cancer. <i>Trends in Cancer</i> , 2019, 5, 111-127.	3.8	14
58	Activation of the adipocyte CREB/CRTC pathway in obesity. <i>Communications Biology</i> , 2021, 4, 1214.	2.0	14
59	Crtc modulates fasting programs associated with 1-C metabolism and inhibition of insulin signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	5
60	The KLDpT activation loop motif is critical for MARK kinase activity. <i>PLoS ONE</i> , 2019, 14, e0225727.	1.1	3
61	Reply to: "Mouse fertility is not dependent on the CREB coactivator Crtc1". <i>Nature Medicine</i> , 2009, 15, 991-991.	15.2	0
62	The TORC family of CREB coactivators: Regulators of energy balance. <i>FASEB Journal</i> , 2007, 21, A45.	0.2	0