Michael D Dennis

List of Publications by Year
in descending order

42 papers	1,564 citations	304368 22 h-index	360668 35 g-index
42 all docs	42 docs citations	42 times ranked	2274 citing authors

#	Article	IF	Citations
1	A REDD1/TXNIP pro-oxidant complex regulates ATG4B activity to control stress-induced autophagy and sustain exercise capacity. Nature Communications, 2015, 6, 7014.	5.8	157
2	REDD1 enhances protein phosphatase 2Aâ€“mediated dephosphorylation of Akt to repress mTORC1 signaling. Science Signaling, 2014, 7, ra68.	1.6	120
3	Role of p70S6K1-mediated Phosphorylation of eIF4B and PDCD4 Proteins in the Regulation of Protein Synthesis. Journal of Biological Chemistry, 2012, 287, 42890-42899.	1.6	106
4	Mechanisms Involved in the Coordinate Regulation of mTORC1 by Insulin and Amino Acids. Journal of Biological Chemistry, 2011, 286, 8287-8296.	1.6	86
5	Phosphorylation by CK2 Enhances the Rapid Light-induced Degradation of Phytochrome Interacting Factor 1 in Arabidopsis. Journal of Biological Chemistry, 2011, 286, 12066-12074.	1.6	84
6	The mTORC1 signaling repressors REDD1/2 are rapidly induced and activation of p70S6K1 by leucine is defective in skeletal muscle of an immobilized rat hindlimb. American Journal of Physiology - Endocrinology and Metabolism, 2013, 304, E229-E236.	1.8	83
7	Leucine induced dephosphorylation of Sestrin2 promotes mTORC1 activation. Cellular Signalling, 2016, 28, 896-906.	1.7	77
8	Regulated in DNA damage and development 1 (REDD1) promotes cell survival during serum deprivation by sustaining repression of signaling through the mechanistic target of rapamycin in complex 1 (mTORC1). Cellular Signalling, 2013, 25, 2709-2716.	1.7	72
9	Evidence for Variation in the Optimal Translation Initiation Complex: Plant eIF4B, eIF4F, and eIF(iso)4F Differentially Promote Translation of mRNAs. Plant Physiology, 2009, 150, 1844-1854.	2.3	59
10	Phosphorylation of Plant Translation Initiation Factors by CK2 Enhances the in Vitro Interaction of Multifactor Complex Components. Journal of Biological Chemistry, 2009, 284, 20615-20628.	1.6	55
11	RhoA modulates signaling through the mechanistic target of rapamycin complex 1 (mTORC1) in mammalian cells. Cellular Signalling, 2014, 26, 461-467.	1.7	48
12	Differential Phosphorylation of Plant Translation Initiation Factors by Arabidopsis thaliana CK2 Holoenzymes. Journal of Biological Chemistry, 2009, 284, 20602-20614.	1.6	45
13	The stress response protein REDD1 promotes diabetes-induced oxidative stress in the retina by Keap1-independent Nrf2 degradation. Journal of Biological Chemistry, 2020, 295, 7350-7361.	1.6	44
14	Regulated in Development and DNA Damage 1 Is Necessary for Hyperglycemia-induced Vascular Endothelial Growth Factor Expression in the Retina of Diabetic Rodents. Journal of Biological Chemistry, 2015, 290, 3865-3874.	1.6	43
15	mTORC1 and JNK coordinate phosphorylation of the p70S6K1 autoinhibitory domain in skeletal muscle following functional overloading. American Journal of Physiology - Endocrinology and Metabolism, 2014, 306, E1397-E1405.	1.8	42
16	ATF4-Mediated Upregulation of REDD1 and Sestrin2 Suppresses mTORC1 Activity during Prolonged Leucine Deprivation. Journal of Nutrition, 2020, 150, 1022-1030.	1.3	38
17	Deletion of the Akt/mTORC1 Repressor REDD1 Prevents Visual Dysfunction in a Rodent Model of Type 1 Diabetes. Diabetes, 2018, 67, 110-119.	0.3	36
18	Expression and Purification of Recombinant Wheat Translation Initiation Factors eIF1, eIF1A, eIF4A, eIF4B, eIF4F, eIF(iso)4F, and eIF5. Methods in Enzymology, 2007, 430, 397-408.	0.4	31

#	ARTICLE	IF	CITATIONS
19	Mechanistic Target of Rapamycin Complex 1 (mTORC1)-mediated Phosphorylation Is Governed by Competition between Substrates for Interaction with Raptor. Journal of Biological Chemistry, 2013, 288, 10-19.	1.6	30
20	REDD1 Activates a ROS-Generating Feedback Loop in the Retina of Diabetic Mice. , 2019, 60, 2369.		30
21	Hyperglycemia Mediates a Shift From Cap-Dependent to Cap-Independent Translation Via a 4E-BP1-Dependent Mechanism. Diabetes, 2013, 62, 2204-2214.	0.3	28
22	Activation of the Stress Response Kinase JNK (c-Jun N-terminal Kinase) Attenuates Insulin Action in Retina through a p70S6K1-dependent Mechanism. Journal of Biological Chemistry, 2017, 292, 1591-1602.	1.6	28
23	Consumption of a high fat diet promotes protein O-GlcNAcylation in mouse retina via NR4A1-dependent GFAT2 expression. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2018, 1864, 3568-3576.	1.8	25
24	Hyperglycemia-Induced O-GlcNAcylation and Truncation of 4E-BP1 Protein in Liver of a Mouse Model of Type 1 Diabetes. Journal of Biological Chemistry, 2011, 286, 34286-34297.	1.6	24
25	Amino Acidâ€"Induced Activation of mTORC1 in Rat Liver Is Attenuated by Short-Term Consumption of a High-Fat Diet. Journal of Nutrition, 2015, 145, 2496-2502.	1.3	22
26	O-GlcNAcylation alters the selection of mRNAs for translation and promotes 4E-BP1â€"dependent mitochondrial dysfunction in the retina. Journal of Biological Chemistry, 2019, 294, 5508-5520.	1.6	21
27	The Translational Repressor 4E-BP1 Contributes to Diabetes-Induced Visual Dysfunction. , 2016, 57, 1327.		20
28	Angiotensin-(1â€"7) Attenuates Protein <i>O</i>-GlcNAcylation in the Retina by EPAC/Rap1-Dependent Inhibition of <i>O</i>-GlcNAc Transferase. , 2020, 61, 24.		20
29	The stress response protein REDD1 as a causal factor for oxidative stress in diabetic retinopathy. Free Radical Biology and Medicine, 2021, 165, 127-136.	1.3	16
30	Deletion of the stressâ€response protein REDD1 promotes ceramideâ€induced retinal cell death and JNK activation. FASEB Journal, 2018, 32, 6883-6897.	0.2	15
31	Glucosamine induces REDD1 to suppress insulin action in retinal MÃ¼ller cells. Cellular Signalling, 2016, 28, 384-390.	1.7	12
32	MÃ¼ller Glial Expression of REDD1 Is Required for Retinal Neurodegeneration and Visual Dysfunction in Diabetic Mice. Diabetes, 2022, 71, 1051-1062.	0.3	12
33	Diabetes enhances translation of Cd40 mRNA in murine retinal MÃ¼ller glia via a 4E-BP1/2â€"dependent mechanism. Journal of Biological Chemistry, 2020, 295, 10831-10841.	1.6	11
34	Glucagon-dependent suppression of mTORC1 is associated with upregulation of hepatic FGF21 mRNA translation. American Journal of Physiology - Endocrinology and Metabolism, 2020, 319, E26-E33.	1.8	9
35	Retinol-binding protein 4 mRNA translation in hepatocytes is enhanced by activation of mTORC1. American Journal of Physiology - Endocrinology and Metabolism, 2021, 320, E306-E315.	1.8	7
36	Regulation of protein and mRNA expression of the mTORC1 repressor REDD1 in response to leucine and serum. Biochemistry and Biophysics Reports, 2016, 8, 296-301.	0.7	4

#	Article	IF	Citations
37	Glucagon transiently stimulates mTORC1 by activation of an EPAC/Rap1 signaling axis. Cellular Signalling, 2021, 84, 110010.	1.7	2
38	Retinal Protein O-GlcNAcylation and the Ocular Renin Angiotensin System: Signaling Cross-Roads in Diabetic Retinopathy. Current Diabetes Reviews, 2021, 17, .	0.6	2
39	Glucagon Activates mTOR1/2 Signaling via an EPAC/Rap1 Signaling Axis in Hepatocyte Cultures. FASEB Journal, 2021, 35, .	0.2	0
40	Hyperglycemia mediates a shift from capâ€dependent to capindependent mRNA translation through a 4Eâ€BP1 dependent mechanism. FASEB Journal, 2013, 27, 1080.5.	0.2	0
41	REDD1 deletion prevents the development of renal dysfunction in diabetic mice. FASEB Journal, 2022, 36, .	0.2	0
42	4Eâ€BP1/2 Deletion Enhances mRNA Capâ€binding Complex Assembly and Protein Synthesis in Immobilized Skeletal Muscle But is Not Sufficient to Prevent Muscle Atrophy. FASEB Journal, 2022, 36, .	0.2	0