

Michael D Dennis

List of Publications by Year in descending order

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1,564
citations

304743

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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. <i>Nature Communications</i> , 2015, 6, 7014.	12.8	157
2	REDD1 enhances protein phosphatase 2A-mediated dephosphorylation of Akt to repress mTORC1 signaling. <i>Science Signaling</i> , 2014, 7, ra68.	3.6	120
3	Role of p70S6K1-mediated Phosphorylation of eIF4B and PDCD4 Proteins in the Regulation of Protein Synthesis. <i>Journal of Biological Chemistry</i> , 2012, 287, 42890-42899.	3.4	106
4	Mechanisms Involved in the Coordinate Regulation of mTORC1 by Insulin and Amino Acids. <i>Journal of Biological Chemistry</i> , 2011, 286, 8287-8296.	3.4	86
5	Phosphorylation by CK2 Enhances the Rapid Light-induced Degradation of Phytochrome Interacting Factor 1 in Arabidopsis. <i>Journal of Biological Chemistry</i> , 2011, 286, 12066-12074.	3.4	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. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013, 304, E229-E236.	3.5	83
7	Leucine induced dephosphorylation of Sestrin2 promotes mTORC1 activation. <i>Cellular Signalling</i> , 2016, 28, 896-906.	3.6	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). <i>Cellular Signalling</i> , 2013, 25, 2709-2716.	3.6	72
9	Evidence for Variation in the Optimal Translation Initiation Complex: Plant eIF4B, eIF4F, and eIF(iso)4F Differentially Promote Translation of mRNAs. <i>Plant Physiology</i> , 2009, 150, 1844-1854.	4.8	59
10	Phosphorylation of Plant Translation Initiation Factors by CK2 Enhances the in Vitro Interaction of Multifactor Complex Components. <i>Journal of Biological Chemistry</i> , 2009, 284, 20615-20628.	3.4	55
11	RhoA modulates signaling through the mechanistic target of rapamycin complex 1 (mTORC1) in mammalian cells. <i>Cellular Signalling</i> , 2014, 26, 461-467.	3.6	48
12	Differential Phosphorylation of Plant Translation Initiation Factors by Arabidopsis thaliana CK2 Holoenzymes. <i>Journal of Biological Chemistry</i> , 2009, 284, 20602-20614.	3.4	45
13	The stress response protein REDD1 promotes diabetes-induced oxidative stress in the retina by Keap1-independent Nrf2 degradation. <i>Journal of Biological Chemistry</i> , 2020, 295, 7350-7361.	3.4	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. <i>Journal of Biological Chemistry</i> , 2015, 290, 3865-3874.	3.4	43
15	mTORC1 and JNK coordinate phosphorylation of the p70S6K1 autoinhibitory domain in skeletal muscle following functional overloading. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 306, E1397-E1405.	3.5	42
16	ATF4-Mediated Upregulation of REDD1 and Sestrin2 Suppresses mTORC1 Activity during Prolonged Leucine Deprivation. <i>Journal of Nutrition</i> , 2020, 150, 1022-1030.	2.9	38
17	Deletion of the Akt/mTORC1 Repressor REDD1 Prevents Visual Dysfunction in a Rodent Model of Type 1 Diabetes. <i>Diabetes</i> , 2018, 67, 110-119.	0.6	36
18	Expression and Purification of Recombinant Wheat Translation Initiation Factors eIF1, eIF1A, eIF4A, eIF4B, eIF4F, eIF(iso)4F, and eIF5. <i>Methods in Enzymology</i> , 2007, 430, 397-408.	1.0	31

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19	Mechanistic Target of Rapamycin Complex 1 (mTORC1)-mediated Phosphorylation Is Governed by Competition between Substrates for Interaction with Raptor. <i>Journal of Biological Chemistry</i> , 2013, 288, 10-19.	3.4	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. <i>Diabetes</i> , 2013, 62, 2204-2214.	0.6	28
22	Activation of the Stress Response Kinase JNK (c-Jun N-terminal Kinase) Attenuates Insulin Action in Retina through a p70S6K1-dependent Mechanism. <i>Journal of Biological Chemistry</i> , 2017, 292, 1591-1602.	3.4	28
23	Consumption of a high fat diet promotes protein O-GlcNAcylation in mouse retina via NR4A1-dependent GFAT2 expression. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 3568-3576.	3.8	25
24	Hyperglycemia-Induced O-GlcNAcylation and Truncation of 4E-BP1 Protein in Liver of a Mouse Model of Type 1 Diabetes. <i>Journal of Biological Chemistry</i> , 2011, 286, 34286-34297.	3.4	24
25	Amino Acid-Induced Activation of mTORC1 in Rat Liver Is Attenuated by Short-Term Consumption of a High-Fat Diet. <i>Journal of Nutrition</i> , 2015, 145, 2496-2502.	2.9	22
26	O-GlcNAcylation alters the selection of mRNAs for translation and promotes 4E-BP1-dependent mitochondrial dysfunction in the retina. <i>Journal of Biological Chemistry</i> , 2019, 294, 5508-5520.	3.4	21
27	The Translational Repressor 4E-BP1 Contributes to Diabetes-Induced Visual Dysfunction. , 2016, 57, 1327.		20
28	Angiotensin-(1-7) Attenuates Protein O-GlcNAcylation in the Retina by EPAC/Rap1-Dependent Inhibition of O-GlcNAc Transferase. , 2020, 61, 24.		20
29	The stress response protein REDD1 as a causal factor for oxidative stress in diabetic retinopathy. <i>Free Radical Biology and Medicine</i> , 2021, 165, 127-136.	2.9	16
30	Deletion of the stress response protein REDD1 promotes ceramide-induced retinal cell death and JNK activation. <i>FASEB Journal</i> , 2018, 32, 6883-6897.	0.5	15
31	Glucosamine induces REDD1 to suppress insulin action in retinal Müller cells. <i>Cellular Signalling</i> , 2016, 28, 384-390.	3.6	12
32	Müller Glial Expression of REDD1 Is Required for Retinal Neurodegeneration and Visual Dysfunction in Diabetic Mice. <i>Diabetes</i> , 2022, 71, 1051-1062.	0.6	12
33	Diabetes enhances translation of Cd40 mRNA in murine retinal Müller glia via a 4E-BP1-dependent mechanism. <i>Journal of Biological Chemistry</i> , 2020, 295, 10831-10841.	3.4	11
34	Glucagon-dependent suppression of mTORC1 is associated with upregulation of hepatic FGF21 mRNA translation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 319, E26-E33.	3.5	9
35	Retinol-binding protein 4 mRNA translation in hepatocytes is enhanced by activation of mTORC1. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021, 320, E306-E315.	3.5	7
36	Regulation of protein and mRNA expression of the mTORC1 repressor REDD1 in response to leucine and serum. <i>Biochemistry and Biophysics Reports</i> , 2016, 8, 296-301.	1.3	4

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37	Glucagon transiently stimulates mTORC1 by activation of an EPAC/Rap1 signaling axis. Cellular Signalling, 2021, 84, 110010.	3.6	2
38	Retinal Protein O-GlcNAcylation and the Ocular Renin Angiotensin System: Signaling Cross-Roads in Diabetic Retinopathy. Current Diabetes Reviews, 2021, 17, .	1.3	2
39	Glucagon Activates mTOR1/2 Signaling via an EPAC/Rap1 Signaling Axis in Hepatocyte Cultures. FASEB Journal, 2021, 35, .	0.5	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.	0.5	0
41	REDD1 deletion prevents the development of renal dysfunction in diabetic mice. FASEB Journal, 2022, 36, .	0.5	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, .	0.5	0