

Takafumi Miyamoto

List of Publications by Year in descending order

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36
papers

1,561
citations

471371

17
h-index

345118

36
g-index

38
all docs

38
docs citations

38
times ranked

2557
citing authors

#	ARTICLE	IF	CITATIONS
1	The Proline-rich Akt Substrate of 40 kDa (PRAS40) Is a Physiological Substrate of Mammalian Target of Rapamycin Complex 1*. <i>Journal of Biological Chemistry</i> , 2007, 282, 20329-20339.	1.6	275
2	Manipulating signaling at will: chemically-inducible dimerization (CID) techniques resolve problems in cell biology. <i>Pflügers Archiv European Journal of Physiology</i> , 2013, 465, 409-417.	1.3	198
3	Rapid and orthogonal logic gating with a gibberellin-induced dimerization system. <i>Nature Chemical Biology</i> , 2012, 8, 465-470.	3.9	183
4	Synthesizing Biomolecule-Based Boolean Logic Gates. <i>ACS Synthetic Biology</i> , 2013, 2, 72-82.	1.9	133
5	Mieap, a p53-Inducible Protein, Controls Mitochondrial Quality by Repairing or Eliminating Unhealthy Mitochondria. <i>PLoS ONE</i> , 2011, 6, e16060.	1.1	89
6	Compartmentalized AMPK Signaling Illuminated by Genetically Encoded Molecular Sensors and Actuators. <i>Cell Reports</i> , 2015, 11, 657-670.	2.9	83
7	AMP-activated protein kinase phosphorylates glutamine-fructose-6-phosphate amidotransferase 1 at Ser243 to modulate its enzymatic activity. <i>Genes To Cells</i> , 2009, 14, 179-189.	0.5	79
8	Possible Existence of Lysosome-Like Organella within Mitochondria and Its Role in Mitochondrial Quality Control. <i>PLoS ONE</i> , 2011, 6, e16054.	1.1	63
9	Identification of a novel p53 target, COL17A1, that inhibits breast cancer cell migration and invasion. <i>Oncotarget</i> , 2017, 8, 55790-55803.	0.8	58
10	Hepatocyte ELOVL Fatty Acid Elongase 6 Determines Ceramide Acyl-Chain Length and Hepatic Insulin Sensitivity in Mice. <i>Hepatology</i> , 2020, 71, 1609-1625.	3.6	44
11	AMP-activated Protein Kinase Phosphorylates Golgi-specific Brefeldin A Resistance Factor 1 at Thr1337 to Induce Disassembly of Golgi Apparatus. <i>Journal of Biological Chemistry</i> , 2008, 283, 4430-4438.	1.6	41
12	Argininosuccinate synthase 1 is an intrinsic Akt repressor transactivated by p53. <i>Science Advances</i> , 2017, 3, e1603204.	4.7	40
13	A positive role of mammalian Tip41-like protein, TIPRL, in the amino-acid dependent mTORC1 signaling pathway through interaction with PP2A. <i>FEBS Letters</i> , 2013, 587, 2924-2929.	1.3	37
14	Identification of TBC7 having TBC domain as a novel binding protein to TSC1-TSC2 complex. <i>Biochemical and Biophysical Research Communications</i> , 2007, 361, 218-223.	1.0	31
15	Octacosanol and policosanol prevent high-fat diet-induced obesity and metabolic disorders by activating brown adipose tissue and improving liver metabolism. <i>Scientific Reports</i> , 2019, 9, 5169.	1.6	31
16	Glucocorticoid receptor suppresses gene expression of Rev-erb α (Nr1d1) through interaction with the CLOCK complex. <i>FEBS Letters</i> , 2019, 593, 423-432.	1.3	21
17	Opening the conformation is a master switch for the dual localization and phosphatase activity of PTEN. <i>Scientific Reports</i> , 2015, 5, 12600.	1.6	18
18	ELOVL2 promotes cancer progression by inhibiting cell apoptosis in renal cell carcinoma. <i>Oncology Reports</i> , 2021, 47, .	1.2	17

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19	<sc>ELOVL5</sc>-mediated fatty acid elongation promotes cellular proliferation and invasion in renal cell carcinoma. <i>Cancer Science</i> , 2022, 113, 2738-2752.	1.7	14
20	Identification of 14-3-3 β as a Miao-interacting protein and its role in mitochondrial quality control. <i>Scientific Reports</i> , 2012, 2, 379.	1.6	12
21	Transcriptional co-repressor CtBP2 orchestrates epithelial-mesenchymal transition through a novel transcriptional holocomplex with OCT1. <i>Biochemical and Biophysical Research Communications</i> , 2020, 523, 354-360.	1.0	12
22	The transcriptional corepressor CtBP2 serves as a metabolite sensor orchestrating hepatic glucose and lipid homeostasis. <i>Nature Communications</i> , 2021, 12, 6315.	5.8	12
23	Rapid manipulation of mitochondrial morphology in a living cell with iCMM. <i>Cell Reports Methods</i> , 2021, 1, 100052.	1.4	10
24	Regulation of tubular recycling endosome biogenesis by the p53-MICALL1 pathway. <i>International Journal of Oncology</i> , 2017, 51, 724-736.	1.4	6
25	Starvation-induced transcription factor CREBH negatively governs body growth by controlling GH signaling. <i>FASEB Journal</i> , 2021, 35, e21663.	0.2	6
26	Identification of a p53-repressed gene module in breast cancer cells. <i>Oncotarget</i> , 2017, 8, 55821-55836.	0.8	6
27	High protein diet-induced metabolic changes are transcriptionally regulated via KLF15-dependent and independent pathways. <i>Biochemical and Biophysical Research Communications</i> , 2021, 582, 35-42.	1.0	6
28	FoxO-KLF15 pathway switches the flow of macronutrients under the control of insulin. <i>IScience</i> , 2021, 24, 103446.	1.9	6
29	CtBP2 confers protection against oxidative stress through interactions with NRF1 and NRF2. <i>Biochemical and Biophysical Research Communications</i> , 2021, 562, 146-153.	1.0	5
30	Cellular Application of Genetically Encoded Sensors and Impeders of AMPK. <i>Methods in Molecular Biology</i> , 2018, 1732, 255-272.	0.4	5
31	Rho-associated, coiled-coil-containing protein kinase β as a new player in the regulation of hepatic lipogenesis. <i>Journal of Diabetes Investigation</i> , 2019, 10, 1165-1167.	1.1	4
32	Deconvoluting AMPK dynamics. <i>Oncotarget</i> , 2015, 6, 30431-30432.	0.8	4
33	Morphological and functional adaptation of pancreatic islet blood vessels to insulin resistance is impaired in diabetic db/db mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2022, 1868, 166339.	1.8	4
34	Identification of a p53 target, CD137L, that mediates growth suppression and immune response of osteosarcoma cells. <i>Scientific Reports</i> , 2017, 7, 10739.	1.6	3
35	Heme oxygenase-1 induction by heat shock in rat hepatoma cell line is regulated by the coordinated function of HSF1, NRF2, AND BACH1. <i>Journal of Biochemistry</i> , 2021, 170, 501-510.	0.9	3
36	Protocol for rapid manipulation of mitochondrial morphology in living cells using inducible counter mitochondrial morphology (iCMM). <i>STAR Protocols</i> , 2021, 2, 100721.	0.5	1