

Seiichi Oyadomari

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

3,921
citations

394421

19
h-index

361022

35
g-index

46
all docs

46
docs citations

46
times ranked

6321
citing authors

#	ARTICLE	IF	CITATIONS
1	CHOP induces death by promoting protein synthesis and oxidation in the stressed endoplasmic reticulum. <i>Genes and Development</i> , 2004, 18, 3066-3077.	5.9	1,648
2	Targeted disruption of the Chop gene delays endoplasmic reticulum stress-mediated diabetes. <i>Journal of Clinical Investigation</i> , 2002, 109, 525-532.	8.2	660
3	Dephosphorylation of Translation Initiation Factor 2 [±] Enhances Glucose Tolerance and Attenuates Hepatosteatosis in Mice. <i>Cell Metabolism</i> , 2008, 7, 520-532.	16.2	389
4	Cotranslocational Degradation Protects the Stressed Endoplasmic Reticulum from Protein Overload. <i>Cell</i> , 2006, 126, 727-739.	28.9	221
5	Integrated stress response of vertebrates is regulated by four eIF2 [±] kinases. <i>Scientific Reports</i> , 2016, 6, 32886.	3.3	208
6	Metabolic and Innate Immune Cues Merge into a Specific Inflammatory Response via the UPR. <i>Cell</i> , 2019, 177, 1201-1216.e19.	28.9	100
7	ER Stress Protein CHOP Mediates Insulin Resistance by Modulating Adipose Tissue Macrophage Polarity. <i>Cell Reports</i> , 2017, 18, 2045-2057.	6.4	96
8	Highly efficient targeted mutagenesis in one-cell mouse embryos mediated by the TALEN and CRISPR/Cas systems. <i>Scientific Reports</i> , 2015, 4, 5705.	3.3	64
9	Activin E Controls Energy Homeostasis in Both Brown and White Adipose Tissues as a Hepatokine. <i>Cell Reports</i> , 2018, 25, 1193-1203.	6.4	54
10	A miR-327 [±] FGF10 [±] FGFR2-mediated autocrine signaling mechanism controls white fat browning. <i>Nature Communications</i> , 2017, 8, 2079.	12.8	52
11	¹³ Oryzanol Protects Pancreatic β -Cells Against Endoplasmic Reticulum Stress in Male Mice. <i>Endocrinology</i> , 2015, 156, 1242-1250.	2.8	51
12	Skeletal muscle-specific eukaryotic translation initiation factor 2 [±] phosphorylation controls amino acid metabolism and fibroblast growth factor 21 [±] -mediated non-cell-autonomous energy metabolism. <i>FASEB Journal</i> , 2016, 30, 798-812.	0.5	48
13	Nanosecond pulsed electric fields act as a novel cellular stress that induces translational suppression accompanied by eIF2 [±] phosphorylation and 4E-BP1 dephosphorylation. <i>Experimental Cell Research</i> , 2012, 318, 1733-1744.	2.6	45
14	ER-resident sensor PERK is essential for mitochondrial thermogenesis in brown adipose tissue. <i>Life Science Alliance</i> , 2020, 3, e201900576.	2.8	27
15	Concomitant Nrf2- and ATF4-activation by Carnosic Acid Cooperatively Induces Expression of Cytoprotective Genes. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1706.	4.1	26
16	Imeglimin Ameliorates β -Cell Apoptosis by Modulating the Endoplasmic Reticulum Homeostasis Pathway. <i>Diabetes</i> , 2022, 71, 424-439.	0.6	26
17	ATF4-mediated transcriptional regulation protects against β -cell loss during endoplasmic reticulum stress in a mouse model. <i>Molecular Metabolism</i> , 2021, 54, 101338.	6.5	26
18	Relationship between somatic mosaicism of Pax6 mutation and variable developmental eye abnormalities—an analysis of CRISPR genome-edited mouse embryos. <i>Scientific Reports</i> , 2017, 7, 53.	3.3	24

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19	Cell-based HTS identifies a chemical chaperone for preventing ER protein aggregation and proteotoxicity. <i>ELife</i> , 2019, 8, .	6.0	22
20	Integrated stress response regulates GDF15 secretion from adipocytes, preferentially suppresses appetite for a high-fat diet and improves obesity. <i>IScience</i> , 2021, 24, 103448.	4.1	19
21	PERK-mediated translational control is required for collagen secretion in chondrocytes. <i>Scientific Reports</i> , 2018, 8, 773.	3.3	17
22	Long-Term Low Carbohydrate Diet Leads to Deleterious Metabolic Manifestations in Diabetic Mice. <i>PLoS ONE</i> , 2014, 9, e104948.	2.5	11
23	Novel human mutation and CRISPR/Cas genome-edited mice reveal the importance of C-terminal domain of MSX1 in tooth and palate development. <i>Scientific Reports</i> , 2016, 6, 38398.	3.3	11
24	The ATF6 ¹² -calreticulin axis promotes neuronal survival under endoplasmic reticulum stress and excitotoxicity. <i>Scientific Reports</i> , 2021, 11, 13086.	3.3	11
25	Ligand-induced rapid skeletal muscle atrophy in HSA-Fv2E-PERK transgenic mice. <i>PLoS ONE</i> , 2017, 12, e0179955.	2.5	10
26	Nanosecond pulsed electric fields induce the integrated stress response via reactive oxygen species-mediated heme-regulated inhibitor (HRI) activation. <i>PLoS ONE</i> , 2020, 15, e0229948.	2.5	10
27	The Role of Heparin Cofactor α_2 in the Regulation of Insulin Sensitivity and Maintenance of Glucose Homeostasis in Humans and Mice. <i>Journal of Atherosclerosis and Thrombosis</i> , 2017, 24, 1215-1230.	2.0	9
28	Activation of PERK-ATF4-CHOP pathway as a novel therapeutic approach for efficient elimination of HTLV-1 α -infected cells. <i>Blood Advances</i> , 2020, 4, 1845-1858.	5.2	9
29	Effective three-dimensional culture of hepatocyte-like cells generated from human adipose-derived mesenchymal stem cells. <i>Journal of Hepato-Biliary-Pancreatic Sciences</i> , 2021, 28, 705-715.	2.6	9
30	Activation of Endoplasmic Reticulum Stress Response by Applying of Nanosecond Pulsed Electric Fields for Medical Application. , 2018, , .		4
31	Identification of an endoplasmic reticulum proteostasis modulator that enhances insulin production in pancreatic β^2 cells. <i>Cell Chemical Biology</i> , 2022, , .	5.2	4
32	Dkk3/REIC, an N-glycosylated Protein, Is a Physiological Endoplasmic Reticulum Stress Inducer in the Mouse Adrenal Gland. <i>Acta Medica Okayama</i> , 2020, 74, 199-208.	0.2	3
33	A KDM6 inhibitor potently induces ATF4 and its target gene expression through HRI activation and by UTX inhibition. <i>Scientific Reports</i> , 2021, 11, 4538.	3.3	2
34	Fgf10-CRISPR mosaic mutants demonstrate the gene dose-related loss of the accessory lobe and decrease in the number of alveolar type 2 epithelial cells in mouse lung. <i>PLoS ONE</i> , 2020, 15, e0240333.	2.5	2
35	Identification of a Novel Protein Binding to the Endocrine Disruptor Nonylphenol. <i>Nihon EiyÅ•ShokuryÅ•Gakkai Shi = Nippon EiyÅ•ShokuryÅ•Gakkaishi = Journal of Japanese Society of Nutrition and Food Science</i> , 2015, 68, 63-68.	0.2	1
36	The multifaceted role of ATF4 in regulating glucose-stimulated insulin secretion. <i>Biochemical and Biophysical Research Communications</i> , 2022, 611, 165-171.	2.1	1

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37	The C-terminal region including the MH6 domain of Msx1 regulates skeletal development. Biochemical and Biophysical Research Communications, 2020, 526, 62-69.	2.1	0
38	Identification of a chemical chaperone for mitigating protein aggregation and proteotoxicity during endoplasmic reticulum stress. FASEB Journal, 2021, 35, .	0.5	0
39	Title is missing!. , 2020, 15, e0229948.		0
40	Title is missing!. , 2020, 15, e0229948.		0
41	Title is missing!. , 2020, 15, e0229948.		0
42	Title is missing!. , 2020, 15, e0229948.		0
43	Title is missing!. , 2020, 15, e0229948.		0
44	Title is missing!. , 2020, 15, e0229948.		0