

Fumihiko Urano

List of Publications by Year in descending order

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Version: 2024-02-01

104
papers

12,954
citations

53794
45
h-index

30922
102
g-index

110
all docs

110
docs citations

110
times ranked

17194
citing authors

#	ARTICLE	IF	CITATIONS
1	Two Cases of Wolfram Syndrome Who Were Initially Diagnosed With Type 1 Diabetes. AACE Clinical Case Reports, 2022, , .	1.1	2
2	Loss of Function of WFS1 Causes ER Stress-Mediated Inflammation in Pancreatic Beta-Cells. Frontiers in Endocrinology, 2022, 13, 849204.	3.5	13
3	Wolframin is a novel regulator of tau pathology and neurodegeneration. Acta Neuropathologica, 2022, 143, 547-569.	7.7	22
4	Plasma Neurofilament Light Chain Levels Are Elevated in Children and Young Adults With Wolfram Syndrome. Frontiers in Neuroscience, 2022, 16, 795317.	2.8	2
5	Monogenic and syndromic diabetes due to endoplasmic reticulum stress. Journal of Diabetes and Its Complications, 2021, 35, 107618.	2.3	18
6	Lessons from Wolfram Syndrome: Initiation of DDAVP Therapy Causes Renal Salt Wasting Due to Elevated ANP/BNP Levels, Rescued by Fludrocortisone Treatment. Indian Journal of Pediatrics, 2021, 88, 582-585.	0.8	3
7	A target-agnostic screen identifies approved drugs to stabilize the endoplasmic reticulum-resident proteome. Cell Reports, 2021, 35, 109040.	6.4	18
8	A phase 1b/2a clinical trial of dantrolene sodium in patients with Wolfram syndrome. JCI Insight, 2021, 6, .	5.0	24
9	Altered neuronal physiology, development, and function associated with a common chromosome 15 duplication involving CHRNA7. BMC Biology, 2021, 19, 147.	3.8	9
10	Fast and Efficient Generation of Isogenic Induced Pluripotent Stem Cell Lines Using Adenine Base Editing. CRISPR Journal, 2021, 4, 502-518.	2.9	6
11	Production of BBF2H7â€derived small peptide fragments via endoplasmic reticulum stressâ€dependent regulated intramembrane proteolysis. FASEB Journal, 2020, 34, 865-880.	0.5	2
12	Neuroplastin Modulates Anti-inflammatory Effects of MANF. IScience, 2020, 23, 101810.	4.1	46
13	Deficiency of WFS1 increases vulnerability to pathological tau in vitro and in vivo. Alzheimer's and Dementia, 2020, 16, e042085.	0.8	1
14	A soluble endoplasmic reticulum factor as regenerative therapy for Wolfram syndrome. Laboratory Investigation, 2020, 100, 1197-1207.	3.7	9
15	Calpain inhibitor and ibudilast rescue Î² cell functions in a cellular model of Wolfram syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 17389-17398.	7.1	34
16	Wolfram syndrome 1 gene regulates pathways maintaining beta-cell health and survival. Laboratory Investigation, 2020, 100, 849-862.	3.7	34
17	Primary cilia control glucose homeostasis via islet paracrine interactions. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 8912-8923.	7.1	63
18	Gene-edited human stem cellâ€derived Î² cells from a patient with monogenic diabetes reverse preexisting diabetes in mice. Science Translational Medicine, 2020, 12, .	12.4	123

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19	MON-078 WFS1 Related Disorder in A 4-Month Old Girl. Journal of the Endocrine Society, 2020, 4, .	0.2	0
20	Digenic Variants in the FGF21 Signaling Pathway Associated with Severe Insulin Resistance and Pseudoacromegaly. Journal of the Endocrine Society, 2020, 4, bvaa138.	0.2	6
21	Current Landscape of Treatments for Wolfram Syndrome. Trends in Pharmacological Sciences, 2019, 40, 711-714.	8.7	36
22	Discovery of endoplasmic reticulum calcium stabilizers to rescue ER-stressed podocytes in nephrotic syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 14154-14163.	7.1	39
23	Pancreatic stone protein/regenerating protein is a potential biomarker for endoplasmic reticulum stress in beta cells. Scientific Reports, 2019, 9, 5199.	3.3	3
24	A novel detrimental homozygous mutation in the WFS1 gene in two sisters from nonconsanguineous parents with untreated diabetes insipidus. Clinical Case Reports (discontinued), 2019, 7, 2355-2357.	0.5	1
25	Bisphosphonates prevent age-related weight loss in Japanese postmenopausal women. Journal of Bone and Mineral Metabolism, 2018, 36, 734-740.	2.7	4
26	Low serum osteocalcin concentration is associated with incident type 2 diabetes mellitus in Japanese women. Journal of Bone and Mineral Metabolism, 2018, 36, 470-477.	2.7	23
27	Novel elucidation and treatment of pancreatic chronic graft-versus-host disease in mice. Royal Society Open Science, 2018, 5, 181067.	2.4	1
28	Estrogens Promote Misfolded Proinsulin Degradation to Protect Insulin Production and Delay Diabetes. Cell Reports, 2018, 24, 181-196.	6.4	61
29	<i>Listeria monocytogenes</i> induces an interferon-enhanced activation of the integrated stress response that is detrimental for resolution of infection in mice. European Journal of Immunology, 2017, 47, 830-840.	2.9	14
30	Novel Treatment of Chronic Graft-Versus-Host Disease in Mice Using the ER Stress Reducer 4-Phenylbutyric Acid. Scientific Reports, 2017, 7, 41939.	3.3	25
31	Monogenic diabetes syndromes: Locus-specific databases for Alström, Wolfram, and Thiamine-responsive megaloblastic anemia. Human Mutation, 2017, 38, 764-777.	2.5	47
32	Dominant ER Stress-Inducing <i>WFS1</i> Mutations Underlie a Genetic Syndrome of Neonatal/Infancy-Onset Diabetes, Congenital Sensorineural Deafness, and Congenital Cataracts. Diabetes, 2017, 66, 2044-2053.	0.6	77
33	Intermittent fasting preserves beta-cell mass in obesity-induced diabetes via the autophagy-lysosome pathway. Autophagy, 2017, 13, 1952-1968.	9.1	131
34	Targeting Cellular Calcium Homeostasis to Prevent Cytokine-Mediated Beta Cell Death. Scientific Reports, 2017, 7, 5611.	3.3	28
35	Mammalian ECD Protein Is a Novel Negative Regulator of the PERK Arm of the Unfolded Protein Response. Molecular and Cellular Biology, 2017, 37, .	2.3	7
36	Nrf2/antioxidant pathway mediates β^2 cell self-repair after damage by high-fat diet-induced oxidative stress. JCI Insight, 2017, 2, .	5.0	36

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37	Neuroimaging evidence of deficient axon myelination in Wolfram syndrome. <i>Scientific Reports</i> , 2016, 6, 21167.	3.3	28
38	Endoplasmic reticulum stress in beta cells and autoimmune diabetes. <i>Current Opinion in Immunology</i> , 2016, 43, 60-66.	5.5	53
39	Wolfram Syndrome: Diagnosis, Management, and Treatment. <i>Current Diabetes Reports</i> , 2016, 16, 6.	4.2	198
40	Transcriptional Regulation of X-Box-binding Protein One (XBP1) by Hepatocyte Nuclear Factor 4 \pm (HNF4 \hat{r}) Is Vital to Beta-cell Function. <i>Journal of Biological Chemistry</i> , 2016, 291, 6146-6157.	3.4	25
41	Poly-dipeptides encoded by the C9ORF72 repeats block global protein translation. <i>Human Molecular Genetics</i> , 2016, 25, 1803-1813.	2.9	146
42	Mesencephalic Astrocyteâ€Derived Neurotrophic Factor as a Urine Biomarker for Endoplasmic Reticulum Stressâ€Related Kidney Diseases. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 2974-2982.	6.1	49
43	Rpl13a small nucleolar RNAs regulate systemic glucose metabolism. <i>Journal of Clinical Investigation</i> , 2016, 126, 4616-4625.	8.2	78
44	The ATF6 pathway of the ER stress response contributes to enhanced viability in glioblastoma. <i>Oncotarget</i> , 2016, 7, 2080-2092.	1.8	86
45	Research Resource: Monitoring Endoplasmic Reticulum Membrane Integrity in \hat{I}^2 -Cells at the Single-Cell Level. <i>Molecular Endocrinology</i> , 2015, 29, 473-480.	3.7	1
46	IRE1 prevents endoplasmic reticulum membrane permeabilization and cell death under pathological conditions. <i>Science Signaling</i> , 2015, 8, ra62.	3.6	36
47	Beta cells transfer vesicles containing insulin to phagocytes for presentation to T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E5496-502.	7.1	85
48	Wolfram Syndrome iPS Cells: The First Human Cell Model of Endoplasmic Reticulum Disease. <i>Diabetes</i> , 2014, 63, 844-846.	0.6	27
49	A calcium-dependent protease as a potential therapeutic target for Wolfram syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E5292-301.	7.1	128
50	Calcium Efflux From the Endoplasmic Reticulum Leads to \hat{I}^2 -Cell Death. <i>Endocrinology</i> , 2014, 155, 758-768.	2.8	122
51	Targeting endoplasmic reticulum to combat juvenile diabetes. <i>Nature Reviews Endocrinology</i> , 2014, 10, 129-130.	9.6	13
52	Insulin regulates carboxypeptidase E by modulating translation initiation scaffolding protein eIF4G1 in pancreatic \hat{I}^2 cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E2319-28.	7.1	42
53	Endoplasmic Reticulum: An Interface Between the Immune System and Metabolism. <i>Diabetes</i> , 2014, 63, 48-49.	0.6	11
54	Establishment of a system for monitoring endoplasmic reticulum redox state in mammalian cells. <i>Laboratory Investigation</i> , 2013, 93, 1254-1258.	3.7	15

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55	Pathological endoplasmic reticulum stress mediated by the IRE1 pathway contributes to pre-insulinitic beta cell apoptosis in a virus-induced rat model of type 1 diabetes. <i>Diabetologia</i> , 2013, 56, 2638-2646.	6.3	32
56	FUS/TLS assembles into stress granules and is a prosurvival factor during hyperosmolar stress. <i>Journal of Cellular Physiology</i> , 2013, 228, 2222-2231.	4.1	139
57	Autosomal Dominant Diabetes Arising From a Wolfram Syndrome 1 Mutation. <i>Diabetes</i> , 2013, 62, 3943-3950.	0.6	100
58	The IRE1 \pm -XBP1 Pathway Positively Regulates Parathyroid Hormone (PTH)/PTH-related Peptide Receptor Expression and Is Involved in PTH-induced Osteoclastogenesis. <i>Journal of Biological Chemistry</i> , 2013, 288, 1691-1695.	3.4	29
59	Improved function and proliferation of adult human beta cells engrafted in diabetic immunodeficient NOD-scid IL2r γ ;null mice treated with alogliptin. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2013, 6, 493.	2.4	15
60	KLF15 Is a Molecular Link between Endoplasmic Reticulum Stress and Insulin Resistance. <i>PLoS ONE</i> , 2013, 8, e77851.	2.5	35
61	Cytoplasmic Polyadenylation Element Binding Protein Deficiency Stimulates PTEN and Stat3 mRNA Translation and Induces Hepatic Insulin Resistance. <i>PLoS Genetics</i> , 2012, 8, e1002457.	3.5	46
62	Wolfram syndrome 1 and adenylyl cyclase 8 interact at the plasma membrane to regulate insulin production and secretion. <i>Nature Cell Biology</i> , 2012, 14, 1105-1112.	10.3	57
63	Thioredoxin-Interacting Protein Mediates ER Stress-Induced β^2 Cell Death through Initiation of the Inflammasome. <i>Cell Metabolism</i> , 2012, 16, 265-273.	16.2	568
64	Cdc42 and Rac1 are major contributors to the saturated fatty acid-stimulated JNK pathway in hepatocytes. <i>Journal of Hepatology</i> , 2012, 56, 192-198.	3.7	73
65	ER Stress as a Trigger for β^2 -Cell Dysfunction and Autoimmunity in Type 1 Diabetes. <i>Diabetes</i> , 2012, 61, 780-781.	0.6	48
66	Measuring ER Stress and the Unfolded Protein Response Using Mammalian Tissue Culture System. <i>Methods in Enzymology</i> , 2011, 490, 71-92.	1.0	721
67	Endoplasmic reticulum stress and pancreatic β^2 -cell death. <i>Trends in Endocrinology and Metabolism</i> , 2011, 22, 266-74.	7.1	310
68	The IRE1 \pm -XBP1 pathway is essential for osteoblast differentiation through promoting transcription of <i>Osterix</i> . <i>EMBO Reports</i> , 2011, 12, 451-457.	4.5	103
69	The binary switch that controls the life and death decisions of ER stressed β^2 cells. <i>Current Opinion in Cell Biology</i> , 2011, 23, 207-215.	5.4	69
70	IRE1-Dependent Activation of AMPK in Response to Nitric Oxide. <i>Molecular and Cellular Biology</i> , 2011, 31, 4286-4297.	2.3	66
71	The binary switch between life and death of endoplasmic reticulum-stressed β^2 cells. <i>Current Opinion in Endocrinology, Diabetes and Obesity</i> , 2010, 17, 107-112.	2.3	37
72	Transcriptional Regulation of VEGF-A by the Unfolded Protein Response Pathway. <i>PLoS ONE</i> , 2010, 5, e9575.	2.5	218

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73	A Novel Role for the Centrosomal Protein, Pericentrin, in Regulation of Insulin Secretory Vesicle Docking in Mouse Pancreatic β -cells. PLoS ONE, 2010, 5, e11812.	2.5	19
74	Stress hyperactivation in the β -cell. Islets, 2010, 2, 1-9.	1.8	57
75	Wolfram syndrome 1 gene negatively regulates ER stress signaling in rodent and human cells. Journal of Clinical Investigation, 2010, 120, 744-755.	8.2	336
76	Endoplasmic reticulum stress in β -cells and development of diabetes. Current Opinion in Pharmacology, 2009, 9, 763-770.	3.5	139
77	Valproate, a Mood Stabilizer, Induces WFS1 Expression and Modulates Its Interaction with ER Stress Protein GRP94. PLoS ONE, 2009, 4, e4134.	2.5	53
78	Protein kinase C signaling during T cell activation induces the endoplasmic reticulum stress response. Cell Stress and Chaperones, 2008, 13, 421-434.	2.9	29
79	AIP1 Is Critical in Transducing IRE1-mediated Endoplasmic Reticulum Stress Response. Journal of Biological Chemistry, 2008, 283, 11905-11912.	3.4	104
80	The Role of Nitric Oxide and the Unfolded Protein Response in Cytokine-Induced β -Cell Death. Diabetes, 2008, 57, 124-132.	0.6	76
81	The Role of IRE1 α in the Degradation of Insulin mRNA in Pancreatic β -Cells. PLoS ONE, 2008, 3, e1648.	2.5	162
82	Endoplasmic Reticulum Stress Signaling in Pancreatic β -Cells. Antioxidants and Redox Signaling, 2007, 9, 2335-2344.	5.4	37
83	Dorfin-CHIP chimeric proteins potently ubiquitylate and degrade familial ALS-related mutant SOD1 proteins and reduce their cellular toxicity. Neurobiology of Disease, 2007, 25, 331-341.	4.4	34
84	Autophagy Is Activated for Cell Survival after Endoplasmic Reticulum Stress. Molecular and Cellular Biology, 2006, 26, 9220-9231.	2.3	1,627
85	Regulation of insulin biosynthesis in pancreatic beta cells by an endoplasmic reticulum-resident protein kinase IRE1. Cell Metabolism, 2006, 4, 245-254.	16.2	381
86	Establishment and Characterization of a Clonal Human Extraskeletal Ewing's Sarcoma Cell Line, EES1. Tohoku Journal of Experimental Medicine, 2006, 210, 221-230.	1.2	5
87	Endoplasmic Reticulum Stress-Induced Apoptosis and Autoimmunity in Diabetes. Current Molecular Medicine, 2006, 6, 71-77.	1.3	59
88	Fluoride Induces Endoplasmic Reticulum Stress in Ameloblasts Responsible for Dental Enamel Formation. Journal of Biological Chemistry, 2005, 280, 23194-23202.	3.4	147
89	WFS1 Is a Novel Component of the Unfolded Protein Response and Maintains Homeostasis of the Endoplasmic Reticulum in Pancreatic β -Cells. Journal of Biological Chemistry, 2005, 280, 39609-39615.	3.4	295
90	XBP1 activates the transcription of its target genes via an ACGT core sequence under ER stress. Biochemical and Biophysical Research Communications, 2005, 331, 1146-1153.	2.1	64

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91	Compartment-specific perturbation of protein handling activates genes encoding mitochondrial chaperones. <i>Journal of Cell Science</i> , 2004, 117, 4055-4066.	2.0	522
92	High ER stress in β^2 -cells stimulates intracellular degradation of misfolded insulin. <i>Biochemical and Biophysical Research Communications</i> , 2004, 324, 166-170.	2.1	86
93	Islet cell hyperplasia in transgenic mice overexpressing EAT/mcl-1, a bcl-2 related gene. <i>Molecular and Cellular Endocrinology</i> , 2003, 203, 105-116.	3.2	11
94	A survival pathway for <i>Caenorhabditis elegans</i> with a blocked unfolded protein response. <i>Journal of Cell Biology</i> , 2002, 158, 639-646.	5.2	181
95	Transmission of proteotoxicity across cellular compartments. <i>Genes and Development</i> , 2002, 16, 1307-1313.	5.9	18
96	Transcriptional and Translational Control in the Mammalian Unfolded Protein Response. <i>Annual Review of Cell and Developmental Biology</i> , 2002, 18, 575-599.	9.4	838
97	Lack of matrix metalloproteinase (MMP)-1 and -3 expression in Ewing sarcoma may be due to loss of accessibility of the MMP regulatory element to the specific fusion protein in vivo. <i>Biochemical and Biophysical Research Communications</i> , 2002, 293, 61-71.	2.1	16
98	A case of intra-abdominal desmoplastic small-round-cell tumor with elevated serum CA125. <i>Pediatric Surgery International</i> , 2002, 18, 238-240.	1.4	13
99	IRE1 couples endoplasmic reticulum load to secretory capacity by processing the XBP-1 mRNA. <i>Nature</i> , 2002, 415, 92-96.	27.8	2,452
100	Upregulation of BiP and CHOP by the unfolded-protein response is independent of presenilin expression. <i>Nature Cell Biology</i> , 2000, 2, 863-870.	10.3	136
101	Acute myeloid leukemia possessing jumping translocation is related to highly elevated levels of EAT/mcl-1, a Bcl-2 related gene with anti-apoptotic functions. <i>Leukemia Research</i> , 2000, 24, 73-77.	0.8	13
102	High frequency of inactivation of the imprinted H19 gene in ?sporadic? hepatoblastoma. , 1999, 82, 490-497.		41
103	Molecular Analysis of Ewing's Sarcoma: Another Fusion Gene, EWS-E1AF, Available for Diagnosis. <i>Japanese Journal of Cancer Research</i> , 1998, 89, 703-711.	1.7	63
104	A Novel Chimera Gene between EWS and E1A-F, Encoding the Adenovirus E1A Enhancer-Binding Protein, in Extraosseous Ewing's Sarcoma. <i>Biochemical and Biophysical Research Communications</i> , 1996, 219, 608-612.	2.1	153