

Akira Uruno

List of Publications by Year in descending order

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73
papers

3,525
citations

136950

32
h-index

138484

58
g-index

74
all docs

74
docs citations

74
times ranked

5252
citing authors

#	ARTICLE	IF	CITATIONS
1	The Keap1-Nrf2 System Prevents Onset of Diabetes Mellitus. <i>Molecular and Cellular Biology</i> , 2013, 33, 2996-3010.	2.3	265
2	The Keap1-Nrf2 system and diabetes mellitus. <i>Archives of Biochemistry and Biophysics</i> , 2015, 566, 76-84.	3.0	182
3	Transcriptional Suppression of Type 1 Angiotensin II Receptor Gene Expression by Peroxisome Proliferator-Activated Receptor- β in Vascular Smooth Muscle Cells*. <i>Endocrinology</i> , 2001, 142, 3125-3134.	2.8	178
4	Accumulation of p62/SQSTM1 is associated with poor prognosis in patients with lung adenocarcinoma. <i>Cancer Science</i> , 2012, 103, 760-766.	3.9	177
5	The Keap1-Nrf2 system as an in vivo sensor for electrophiles. <i>Nitric Oxide - Biology and Chemistry</i> , 2011, 25, 153-160.	2.7	164
6	Nrf2 Protects Pancreatic β -Cells From Oxidative and Nitrosative Stress in Diabetic Model Mice. <i>Diabetes</i> , 2014, 63, 605-618.	0.6	162
7	Immunohistochemistry of a Proliferation Marker Ki67/MIB1 in Adrenocortical Carcinomas: Ki67/MIB1 Labeling Index Is a Predictor for Recurrence of Adrenocortical Carcinomas. <i>Endocrine Journal</i> , 2008, 55, 49-55.	1.6	126
8	Localization of Aldosterone-Producing Adrenocortical Adenomas: Significance of Adrenal Venous Sampling. <i>Hypertension Research</i> , 2007, 30, 1083-1095.	2.7	104
9	All-trans Retinoic Acid Induces in Vitro Angiogenesis via Retinoic Acid Receptor: Possible Involvement of Paracrine Effects of Endogenous Vascular Endothelial Growth Factor Signaling. <i>Endocrinology</i> , 2007, 148, 1412-1423.	2.8	103
10	Nrf2-Mediated Regulation of Skeletal Muscle Glycogen Metabolism. <i>Molecular and Cellular Biology</i> , 2016, 36, 1655-1672.	2.3	101
11	Nrf2 Suppresses Oxidative Stress and Inflammation in <i>App</i> Knock-In Alzheimer's Disease Model Mice. <i>Molecular and Cellular Biology</i> , 2020, 40, .	2.3	98
12	Nrf2 Improves Leptin and Insulin Resistance Provoked by Hypothalamic Oxidative Stress. <i>Cell Reports</i> , 2017, 18, 2030-2044.	6.4	96
13	Suppression of Rat Thromboxane Synthase Gene Transcription by Peroxisome Proliferator-activated Receptor β in Macrophages via an Interaction with NRF2. <i>Journal of Biological Chemistry</i> , 2000, 275, 33142-33150.	3.4	92
14	Endothelium-Derived Nitric Oxide Modulates Vascular Action of Aldosterone in Renal Arteriole. <i>Hypertension</i> , 2004, 43, 352-357.	2.7	89
15	Transcription Suppression of Thromboxane Receptor Gene by Peroxisome Proliferator-activated Receptor- β via an Interaction with Sp1 in Vascular Smooth Muscle Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 9676-9683.	3.4	84
16	Study Profile of the Tohoku Medical Megabank Community-Based Cohort Study. <i>Journal of Epidemiology</i> , 2021, 31, 65-76.	2.4	81
17	Upregulation of Nitric Oxide Production in Vascular Endothelial Cells by All-transRetinoic Acid Through the Phosphoinositide 3-Kinase/Akt Pathway. <i>Circulation</i> , 2005, 112, 727-736.	1.6	79
18	Important role of heparan sulfate in postnatal islet growth and insulin secretion. <i>Biochemical and Biophysical Research Communications</i> , 2009, 383, 113-118.	2.1	77

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19	Transcription Factor Nrf1 Negatively Regulates the Cystine/Glutamate Transporter and Lipid-Metabolizing Enzymes. <i>Molecular and Cellular Biology</i> , 2014, 34, 3800-3816.	2.3	68
20	Transcriptional Suppression of Type 1 Angiotensin II Receptor Gene Expression by Peroxisome Proliferator-Activated Receptor- α in Vascular Smooth Muscle Cells. <i>Endocrinology</i> , 2001, 142, 3125-3134.	2.8	68
21	Transcription Suppression of Peroxisome Proliferator-Activated Receptor δ Gene Expression by Tumor Necrosis Factor α via an Inhibition of CCAAT/Enhancer-binding Protein β during the Early Stage of Adipocyte Differentiation. <i>Endocrinology</i> , 2004, 145, 4948-4956.	2.8	63
22	Effects of PPAR γ on hypertension, atherosclerosis, and chronic kidney disease. <i>Endocrine Journal</i> , 2010, 57, 847-852.	1.6	58
23	Nrf2 induces fibroblast growth factor 21 in diabetic mice. <i>Genes To Cells</i> , 2014, 19, 864-878.	1.2	52
24	Hepatocyte Growth Factor Stimulates Nitric Oxide Production through Endothelial Nitric Oxide Synthase Activation by the Phosphoinositide 3-Kinase/Akt Pathway and Possibly by Mitogen-Activated Protein Kinase Kinase in Vascular Endothelial Cells. <i>Hypertension Research</i> , 2004, 27, 887-895.	2.7	50
25	Expression of Peroxisome Proliferator-Activated Receptor Isoform Proteins in the Rat Kidney. <i>Hypertension Research</i> , 2004, 27, 417-425.	2.7	47
26	Peroxisome proliferator-activated receptor- α suppresses CYP11B2 expression and aldosterone production. <i>Journal of Molecular Endocrinology</i> , 2011, 46, 37-49.	2.5	44
27	FKBP12.6 disruption impairs glucose-induced insulin secretion. <i>Biochemical and Biophysical Research Communications</i> , 2008, 371, 735-740.	2.1	43
28	Transcription factor $\text{NF-}\epsilon\text{B}$ -related factor 1 impairs glucose metabolism in mice. <i>Genes To Cells</i> , 2014, 19, 650-665.	1.2	43
29	Genetic engineering with endothelial nitric oxide synthase improves functional properties of endothelial progenitor cells from patients with coronary artery disease: an in vitro study. <i>Basic Research in Cardiology</i> , 2009, 104, 739-749.	5.9	38
30	Isocitrate dehydrogenase mutation is frequently observed in giant cell tumor of bone. <i>Cancer Science</i> , 2014, 105, 744-748.	3.9	37
31	Differential Effects among Thiazolidinediones on the Transcription of Thromboxane Receptor and Angiotensin II Type 1 Receptor Genes. <i>Hypertension Research</i> , 2001, 24, 229-233.	2.7	35
32	Nrf2 represses the onset of type 1 diabetes in non-obese diabetic mice. <i>Journal of Endocrinology</i> , 2019, 240, 403-416.	2.6	33
33	Upregulation of REG α accelerates tumor progression in pancreatic cancer with diabetes. <i>International Journal of Cancer</i> , 2010, 127, 1795-1803.	5.1	32
34	The novel Nrf2 inducer TFM-735 ameliorates experimental autoimmune encephalomyelitis in mice. <i>European Journal of Pharmacology</i> , 2017, 802, 76-84.	3.5	32
35	Nrf2 contributes to the weight gain of mice during space travel. <i>Communications Biology</i> , 2020, 3, 496.	4.4	27
36	All-trans-retinoic acid and a novel synthetic retinoid tamibarotene (Am80) differentially regulate CD38 expression in human leukemia HL-60 cells: possible involvement of protein kinase C δ . <i>Journal of Leukocyte Biology</i> , 2011, 90, 235-247.	3.3	26

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37	Renal Tubule-specific Transcription and Chromosomal Localization of Rat Thiazide-sensitive Na-Cl Cotransporter Gene. <i>Journal of Biological Chemistry</i> , 2001, 276, 26260-26268.	3.4	23
38	Effects of Mitogen-Activated Protein Kinase Pathway and Co-Activator CREB-Binding Protein on Peroxisome Proliferator-Activated Receptor- γ -Mediated Transcription Suppression of Angiotensin II Type 1 Receptor Gene. <i>Hypertension Research</i> , 2003, 26, 623-628.	2.7	22
39	Effects of RXR Agonists on Cell Proliferation/Apoptosis and ACTH Secretion/Pomc Expression. <i>PLoS ONE</i> , 2015, 10, e0141960.	2.5	22
40	Conductive Adhesive Film Expands the Utility of Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2019, 91, 8979-8986.	6.5	20
41	Multiple measurements of the urinary sodium-to-potassium ratio strongly related home hypertension: TMM Cohort Study. <i>Hypertension Research</i> , 2020, 43, 62-71.	2.7	19
42	Characterization of Mouse Retinoid X Receptor (RXR)- β Gene Promoter: Negative Regulation by Tumor Necrosis Factor (TNF)- α . <i>Endocrinology</i> , 1998, 139, 3030-3033.	2.8	18
43	Thiazolidinediones inhibit REG β gene transcription in gastrointestinal cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2009, 379, 743-748.	2.1	18
44	Metabolomic Analysis of Mouse Brain after a Transient Middle Cerebral Artery Occlusion by Mass Spectrometry Imaging. <i>Neurologia Medico-Chirurgica</i> , 2018, 58, 384-392.	2.2	17
45	Nrf2 activation in myeloid cells and endothelial cells differentially mitigates sickle cell disease pathology in mice. <i>Blood Advances</i> , 2019, 3, 1285-1297.	5.2	17
46	Japonica Array NEO with increased genome-wide coverage and abundant disease risk SNPs. <i>Journal of Biochemistry</i> , 2021, 170, 399-410.	1.7	17
47	Metabolomic changes in the mouse retina after optic nerve injury. <i>Scientific Reports</i> , 2018, 8, 11930.	3.3	16
48	PPAR β Agonist Beyond Glucose Lowering Effect. <i>Korean Journal of Internal Medicine</i> , 2011, 26, 19.	1.7	16
49	Cytochrome <i>c</i> -450 metabolites but not NO, PGI ₂ , and H ₂ O ₂ contribute to ACh-induced hyperpolarization of pressurized canine coronary microvessels. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003, 285, H1939-H1948.	3.2	15
50	Stimulatory Effects of Low-Dose 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase Inhibitor Fluvastatin on Hepatocyte Growth Factor-Induced Angiogenesis: Involvement of p38 Mitogen-Activated Protein Kinase. <i>Hypertension Research</i> , 2008, 31, 2085-2096.	2.7	15
51	Reduced sleep efficiency, measured using an objective device, was related to an increased prevalence of home hypertension in Japanese adults. <i>Hypertension Research</i> , 2020, 43, 23-29.	2.7	15
52	Association between the combined fat mass and fat-free mass index and hypertension: The Tohoku Medical Megabank Community-based Cohort Study. <i>Clinical and Experimental Hypertension</i> , 2021, 43, 610-621.	1.3	15
53	Transcription Suppression of Thromboxane Receptor Gene Expression by Retinoids in Vascular Smooth Muscle Cells. <i>Hypertension Research</i> , 2003, 26, 815-821.	2.7	14
54	Maternal Baseline Characteristics and Perinatal Outcomes: The Tohoku Medical Megabank Project Birth and Three-Generation Cohort Study. <i>Journal of Epidemiology</i> , 2022, 32, 69-79.	2.4	13

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55	Genetic loci for lung function in Japanese adults with adjustment for exhaled nitric oxide levels as airway inflammation indicator. <i>Communications Biology</i> , 2021, 4, 1288.	4.4	13
56	Association between fat mass index, fat-free mass index and hemoglobin A1c in a Japanese population: The Tohoku Medical Megabank Community-Based Cohort Study. <i>Journal of Diabetes Investigation</i> , 2022, 13, 858-867.	2.4	13
57	Metabolic basis of neuronal vulnerability to ischemia; an in vivo untargeted metabolomics approach. <i>Scientific Reports</i> , 2020, 10, 6507.	3.3	12
58	Intracellular S1P Levels Dictate Fate of Different Regions of the Hippocampus following Transient Global Cerebral Ischemia. <i>Neuroscience</i> , 2018, 384, 188-202.	2.3	11
59	Gene expression changes related to bone mineralization, blood pressure and lipid metabolism in mouse kidneys after space travel. <i>Kidney International</i> , 2022, 101, 92-105.	5.2	11
60	Retinoic acid receptor- α up-regulates proopiomelanocortin gene expression in AtT20 corticotroph cells. <i>Endocrine Journal</i> , 2014, 61, 1105-1114.	1.6	10
61	High glucose stimulates expression of aldosterone synthase (CYP11B2) and secretion of aldosterone in human adrenal cells. <i>FEBS Open Bio</i> , 2017, 7, 1410-1421.	2.3	10
62	Nrf2 plays a critical role in the metabolic response during and after spaceflight. <i>Communications Biology</i> , 2021, 4, 1381.	4.4	10
63	Impacts of the urinary sodium-to-potassium ratio, sleep efficiency, and conventional risk factors on home hypertension in a general Japanese population. <i>Hypertension Research</i> , 2021, 44, 858-865.	2.7	9
64	The return of individual genomic results to research participants: design and pilot study of Tohoku Medical Megabank Project. <i>Journal of Human Genetics</i> , 2022, 67, 9-17.	2.3	9
65	Angiotensin II receptor blockers differentially affect CYP11B2 expression in human adrenal H295R cells. <i>Molecular and Cellular Endocrinology</i> , 2014, 383, 60-68.	3.2	8
66	Consideration of the reference value and number of measurements of the urinary sodium-to-potassium ratio based on the prevalence of untreated home hypertension: TMM Cohort Study. <i>Hypertension Research</i> , 2022, 45, 866-875.	2.7	8
67	Estimating carrier frequencies of newborn screening disorders using a whole-genome reference panel of 3552 Japanese individuals. <i>Human Genetics</i> , 2019, 138, 389-409.	3.8	7
68	dbTMM: an integrated database of large-scale cohort, genome and clinical data for the Tohoku Medical Megabank Project. <i>Human Genome Variation</i> , 2021, 8, 44.	0.7	7
69	Associations between the Combined Fat Mass Index and Fat-Free Mass Index with Carotid Intima-Media Thickness in a Japanese Population: The Tohoku Medical Megabank Community-Based Cohort Study. <i>Journal of Atherosclerosis and Thrombosis</i> , 2023, 30, 255-273.	2.0	7
70	NRF2-Mediated Gene Regulation and Glucose Homeostasis. , 2016, , 331-348.		6
71	Angiographic Index for Angioplasty-Treatable Atheromatous Renal Artery Stenosis. <i>Hypertension Research</i> , 2008, 31, 881-885.	2.7	4
72	Novel method for evaluating the health condition of mice in space through a video downlink. <i>Experimental Animals</i> , 2021, 70, 236-244.	1.1	4

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73	Hypocalcemia in a patient with severe hypertension and surgically induced relative hypoparathyroidism. <i>Journal of Bone and Mineral Metabolism</i> , 2008, 26, 298-300.	2.7	0