

Toshihiko Aki

List of Publications by Year in descending order

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47
papers

892
citations

471509

17
h-index

501196

28
g-index

47
all docs

47
docs citations

47
times ranked

1435
citing authors

#	ARTICLE	IF	CITATIONS
1	Cytoplasmic vacuolization during exposure to drugs and other substances. <i>Cell Biology and Toxicology</i> , 2012, 28, 125-131.	5.3	89
2	Extrusion of mitochondrial contents from lipopolysaccharide-stimulated cells: Involvement of autophagy. <i>Autophagy</i> , 2015, 11, 1520-1536.	9.1	61
3	Regulated necrosis and its implications in toxicology. <i>Toxicology</i> , 2015, 333, 118-126.	4.2	40
4	Methamphetamine induces macropinocytosis in differentiated SH-SY5Y human neuroblastoma cells. <i>Brain Research</i> , 2010, 1352, 1-10.	2.2	38
5	Paraquat Induces Epithelial-Mesenchymal Transition-Like Cellular Response Resulting in Fibrogenesis and the Prevention of Apoptosis in Human Pulmonary Epithelial Cells. <i>PLoS ONE</i> , 2015, 10, e0120192.	2.5	38
6	Inducer of heme oxygenase-1 cobalt protoporphyrin accelerates autophagy and suppresses oxidative damages during lipopolysaccharide treatment in rat liver. <i>Hepatology Research</i> , 2013, 43, 91-96.	3.4	37
7	Impairment of autophagy: From hereditary disorder to drug intoxication. <i>Toxicology</i> , 2013, 311, 205-215.	4.2	35
8	Cobalt Protoporphyrin Accelerates TFEB Activation and Lysosome Reformation during LPS-Induced Septic Insults in the Rat Heart. <i>PLoS ONE</i> , 2013, 8, e56526.	2.5	35
9	Extracellular glucose is crucially involved in the fate decision of LPS-stimulated RAW264.7 murine macrophage cells. <i>Scientific Reports</i> , 2020, 10, 10581.	3.3	35
10	Phosphoinositide 3-kinase accelerates necrotic cell death during hypoxia. <i>Biochemical Journal</i> , 2001, 358, 481-487.	3.7	33
11	Hyperstimulation of macropinocytosis leads to lysosomal dysfunction during exposure to methamphetamine in SH-SY5Y cells. <i>Brain Research</i> , 2012, 1466, 1-14.	2.2	33
12	Reactive oxygen species-independent rapid initiation of mitochondrial apoptotic pathway by chelerythrine. <i>Toxicology in Vitro</i> , 2011, 25, 1581-1587.	2.4	27
13	Distinct effects of methamphetamine on autophagy-lysosome and ubiquitin-proteasome systems in HL-1 cultured mouse atrial cardiomyocytes. <i>Toxicology</i> , 2013, 312, 74-82.	4.2	27
14	Chemically Induced Models of Parkinson's Disease: History and Perspectives for the Involvement of Ferroptosis. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 581191.	3.7	27
15	Activation of the ubiquitin-proteasome system against arsenic trioxide cardiotoxicity involves ubiquitin ligase Parkin for mitochondrial homeostasis. <i>Toxicology</i> , 2014, 322, 43-50.	4.2	26
16	Protein kinase C- μ protects PC12 cells against methamphetamine-induced death: possible involvement of suppression of glutamate receptor. <i>Life Sciences</i> , 2003, 72, 1595-1607.	4.3	21
17	Necroptosis-like Neuronal Cell Death Caused by Cellular Cholesterol Accumulation. <i>Journal of Biological Chemistry</i> , 2016, 291, 25050-25065.	3.4	20
18	Phosphoinositide 3-kinase accelerates necrotic cell death during hypoxia. <i>Biochemical Journal</i> , 2001, 358, 481.	3.7	19

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19	Interaction of carbon monoxide-releasing ruthenium carbonyl CORM-3 with plasma fibronectin. <i>Toxicology in Vitro</i> , 2018, 50, 201-209.	2.4	19
20	Emerging roles of mitochondria and autophagy in liver injury during sepsis. <i>Cell Stress</i> , 2017, 1, 79-89.	3.2	17
21	Rho-Kinase Inhibitor Y-27632 Attenuates Arsenic Trioxide Toxicity in H9c2 Cardiomyoblastoma Cells. <i>Cardiovascular Toxicology</i> , 2013, 13, 267-277.	2.7	16
22	Lysosome vacuolation disrupts the completion of autophagy during norephedrine exposure in SH-SY5Y human neuroblastoma cells. <i>Brain Research</i> , 2013, 1490, 9-22.	2.2	16
23	Inverse regulation of GSDMD and GSDME gene expression during LPS-induced pyroptosis in RAW264.7 macrophage cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2022, 27, 14-21.	4.9	14
24	Critical roles of Rho-associated kinase in membrane blebbing and mitochondrial pathway of apoptosis caused by 1-butanol. <i>Toxicology in Vitro</i> , 2012, 26, 849-855.	2.4	13
25	Repeated exposure of cocaine alters mitochondrial dynamics in mouse neuroblastoma Neuro2a. <i>NeuroToxicology</i> , 2019, 75, 70-77.	3.0	13
26	Elimination and active extrusion of liver mitochondrial proteins during lipopolysaccharide administration in rat. <i>Hepatology Research</i> , 2013, 43, 526-534.	3.4	12
27	Lipopolysaccharide induces expression of collagen VI in the rat lung. <i>Journal of Toxicologic Pathology</i> , 2015, 28, 37-41.	0.7	12
28	Formation of high molecular weight p62 by CORM-3. <i>PLoS ONE</i> , 2019, 14, e0210474.	2.5	12
29	Activation of Master Autophagy Regulator TFEB During Systemic LPS Administration in the Cornea. <i>Journal of Toxicologic Pathology</i> , 2014, 27, 153-158.	0.7	11
30	Direct Exposure to Ethanol Disrupts Junctional Cell-Cell Contact and Hippo-YAP Signaling in HL-1 Murine Atrial Cardiomyocytes. <i>PLoS ONE</i> , 2015, 10, e0136952.	2.5	10
31	Necrosis in human neuronal cells exposed to paraquat. <i>Journal of Toxicological Sciences</i> , 2018, 43, 193-202.	1.5	9
32	Cell Death and Survival Pathways Involving ATM Protein Kinase. <i>Genes</i> , 2021, 12, 1581.	2.4	9
33	A CO-releasing molecule prevents annexin A2 down-regulation and associated disorders in LPS-administered rat lung. <i>Biochemical and Biophysical Research Communications</i> , 2017, 487, 748-754.	2.1	8
34	Role of Mitochondrial Dynamics in Cocaine's Neurotoxicity. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5418.	4.1	8
35	The down-regulation of cardiac contractile proteins underlies myocardial depression during sepsis and is mitigated by carbon monoxide. <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 1668-1674.	2.1	7
36	Altered cardiac mitochondrial dynamics and biogenesis in rat after short-term cocaine administration. <i>Scientific Reports</i> , 2021, 11, 24129.	3.3	7

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37	Hydrogen sulfide donor NaHS causes bronchitis with enhanced respiratory secretion in rats. <i>Journal of Toxicological Sciences</i> , 2019, 44, 107-112.	1.5	6
38	Increased MFG-E8 expression and its implications in the vascular pathophysiology of cocaine abuse. <i>Journal of Toxicologic Pathology</i> , 2016, 29, 131-138.	0.7	5
39	Oxcarbazepine induces mitotic catastrophe and apoptosis in NRK-52E proximal tubular cells. <i>Toxicology Letters</i> , 2021, 350, 240-248.	0.8	4
40	Possible roles of AMPK and macropinocytosis in the defense responses against δ^9 -THC toxicity on HL-1 cardiomyocytes. <i>Toxicology Reports</i> , 2021, 8, 980-987.	3.3	4
41	Bifurcate effects of glucose on caspase-independent cell death during hypoxia. <i>Biochemical and Biophysical Research Communications</i> , 2010, 396, 614-618.	2.1	3
42	Ataxia telangiectasia and rad3 related (ATR)-promyelocytic leukemia protein (PML) pathway of the DNA damage response in the brain of rats administered arsenic trioxide. <i>Journal of Toxicologic Pathology</i> , 2017, 30, 333-337.	0.7	3
43	Increased circulating peroxiredoxin-4 in sepsis model rats involves secretion from hepatocytes and is mitigated by GYY4137. <i>Journal of Toxicologic Pathology</i> , 2019, 32, 305-310.	0.7	3
44	Sustained splenic contraction after daily cocaine administration in rats. <i>PLoS ONE</i> , 2021, 16, e0252853.	2.5	3
45	The Role of Peroxiredoxins in the Regulation of Sepsis. <i>Antioxidants</i> , 2022, 11, 126.	5.1	3
46	Restoration of YAP activation rescues HL-1 cardiomyocytes from apoptotic death by ethanol. <i>Journal of Toxicological Sciences</i> , 2017, 42, 545-551.	1.5	2
47	Pyroptotic cell death by exposure to 1-butanol in H9c2 cardiomyoblastoma cells. <i>Heliyon</i> , 2020, 6, e05503.	3.2	2