

# Jae-sung Kim

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

5,583  
citations

394286

19  
h-index

552653

26  
g-index

28  
all docs

28  
docs citations

28  
times ranked

12306  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	4.3	3,122
2	Mitochondrial permeability transition: a common pathway to necrosis and apoptosis. <i>Biochemical and Biophysical Research Communications</i> , 2003, 304, 463-470.	1.0	685
3	Reactive oxygen species, but not Ca <sup>2+</sup> overloading, trigger pH- and mitochondrial permeability transition-dependent death of adult rat myocytes after ischemia-reperfusion. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 290, H2024-H2034.	1.5	264
4	Mitochondrial quality control mechanisms as molecular targets in cardiac ageing. <i>Nature Reviews Cardiology</i> , 2018, 15, 543-554.	6.1	207
5	Mitochondrial permeability transition in the switch from necrotic to apoptotic cell death in ischemic rat hepatocytes. <i>Gastroenterology</i> , 2003, 124, 494-503.	0.6	189
6	Impaired autophagy: A mechanism of mitochondrial dysfunction in anoxic rat hepatocytes. <i>Hepatology</i> , 2008, 47, 1725-1736.	3.6	175
7	SLC39A14 Is Required for the Development of Hepatocellular Iron Overload in Murine Models of Hereditary Hemochromatosis. <i>Cell Metabolism</i> , 2015, 22, 138-150.	7.2	171
8	Autophagy Suppresses Age-Dependent Ischemia and Reperfusion Injury in Livers of Mice. <i>Gastroenterology</i> , 2011, 141, 2188-2199.e6.	0.6	128
9	Nitric oxide protects rat hepatocytes against reperfusion injury mediated by the mitochondrial permeability transition. <i>Hepatology</i> , 2004, 39, 1533-1543.	3.6	105
10	Mitochondrial Dysfunction and Autophagy in Hepatic Ischemia/Reperfusion Injury. <i>BioMed Research International</i> , 2015, 2015, 1-14.	0.9	98
11	Mitochondrial permeability transition in rat hepatocytes after anoxia/reoxygenation: role of Ca <sup>2+</sup> -dependent mitochondrial formation of reactive oxygen species. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 302, G723-G731.	1.6	71
12	Nitric oxide: a signaling molecule against mitochondrial permeability transition- and pH-dependent cell death after reperfusion. <i>Free Radical Biology and Medicine</i> , 2004, 37, 1943-1950.	1.3	67
13	Loss of sirtuin 1 and mitofusin 2 contributes to enhanced ischemia/reperfusion injury in aged livers. <i>Aging Cell</i> , 2018, 17, e12761.	3.0	60
14	Carbamazepine suppresses calpain-mediated autophagy impairment after ischemia/reperfusion in mouse livers. <i>Toxicology and Applied Pharmacology</i> , 2013, 273, 600-610.	1.3	38
15	Role of autophagy in differential sensitivity of hepatocarcinoma cells to sorafenib. <i>World Journal of Hepatology</i> , 2014, 6, 752.	0.8	34
16	Autophagy in the liver: cell's cannibalism and beyond. <i>Archives of Pharmacal Research</i> , 2016, 39, 1050-1061.	2.7	26
17	CUB domain-containing protein 1 and the epidermal growth factor receptor cooperate to induce cell detachment. <i>Breast Cancer Research</i> , 2016, 18, 80.	2.2	25
18	Carbon Monoxide Inhibits Islet Apoptosis <i>via</i> Induction of Autophagy. <i>Antioxidants and Redox Signaling</i> , 2018, 28, 1309-1322.	2.5	21

#	ARTICLE	IF	CITATIONS
19	Mitophagy: Therapeutic Potentials for Liver Disease and Beyond. <i>Toxicological Research</i> , 2014, 30, 243-250.	1.1	21
20	Autophagy in Ischemic Livers: A Critical Role of Sirtuin 1/Mitofusin 2 Axis in Autophagy Induction. <i>Toxicological Research</i> , 2016, 32, 35-46.	1.1	17
21	Autophagy: Self-preservation through cannibalism of proteins and organelles. <i>Surgery</i> , 2015, 157, 1-5.	1.0	14
22	Opioid receptor-independent protection of ischemic rat hepatocytes by morphine. <i>Biochemical and Biophysical Research Communications</i> , 2006, 351, 958-964.	1.0	13
23	Sesquiterpene Alcohol Cedrol Chemosensitizes Human Cancer Cells and Suppresses Cell Proliferation by Destabilizing Plasma Membrane Lipid Rafts. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 571676.	1.8	13
24	Deacetylation of mitofusin-2 by sirtuin-1: A critical event in cell survival after ischemia. <i>Molecular and Cellular Oncology</i> , 2016, 3, e1087452.	0.3	10
25	Critical Roles of Calpastatin in Ischemia/Reperfusion Injury in Aged Livers. <i>Cells</i> , 2021, 10, 1863.	1.8	7
26	Cytoprotection of rat hepatocytes by desipramine in a model of simulated ischemia/reperfusion. <i>Biochemistry and Biophysics Reports</i> , 2021, 27, 101075.	0.7	1
27	Innovative Pharmacological/Therapeutic Approaches against Hepatic Ischemia/Reperfusion Injury. <i>BioMed Research International</i> , 2015, 2015, 1-2.	0.9	0