

# Jun Young Heo

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

823  
citations

516710

16  
h-index

526287

27  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1411  
citing authors

#	ARTICLE	IF	CITATIONS
1	DJ-1 Null Dopaminergic Neuronal Cells Exhibit Defects in Mitochondrial Function and Structure: Involvement of Mitochondrial Complex I Assembly. <i>PLoS ONE</i> , 2012, 7, e32629.	2.5	86
2	Aberrant Tonic Inhibition of Dopaminergic Neuronal Activity Causes Motor Symptoms in Animal Models of Parkinson's Disease. <i>Current Biology</i> , 2020, 30, 276-291.e9.	3.9	69
3	Cannabidiol promotes apoptosis via regulation of XIAP/Smac in gastric cancer. <i>Cell Death and Disease</i> , 2019, 10, 846.	6.3	60
4	Sevoflurane Exposure during the Critical Period Affects Synaptic Transmission and Mitochondrial Respiration but Not Long-term Behavior in Mice. <i>Anesthesiology</i> , 2017, 126, 288-299.	2.5	48
5	Fully portable continuous real-time auscultation with a soft wearable stethoscope designed for automated disease diagnosis. <i>Science Advances</i> , 2022, 8, .	10.3	44
6	Suppression of mitochondrial respiration with auraptene inhibits the progression of renal cell carcinoma: involvement of HIF-1 $\alpha$ degradation. <i>Oncotarget</i> , 2015, 6, 38127-38138.	1.8	41
7	High-capacity glycolytic and mitochondrial oxidative metabolisms mediate the growth ability of glioblastoma. <i>International Journal of Oncology</i> , 2015, 47, 1009-1016.	3.3	31
8	Genipin induces mitochondrial dysfunction and apoptosis via downregulation of Stat3/mcl-1 pathway in gastric cancer. <i>BMC Cancer</i> , 2019, 19, 739.	2.6	30
9	DJ-1 mediates paraquat-induced dopaminergic neuronal cell death. <i>Toxicology Letters</i> , 2011, 202, 85-92.	0.8	28
10	Copine1 regulates neural stem cell functions during brain development. <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 168-173.	2.1	28
11	Docosahexaenoic acid prevents paraquat-induced reactive oxygen species production in dopaminergic neurons via enhancement of glutathione homeostasis. <i>Biochemical and Biophysical Research Communications</i> , 2015, 457, 95-100.	2.1	27
12	Activation of the Nrf2 signaling pathway and neuroprotection of nigral dopaminergic neurons by a novel synthetic compound KMS99220. <i>Neurochemistry International</i> , 2018, 112, 96-107.	3.8	25
13	p66shc siRNA Nanoparticles Ameliorate Chondrocytic Mitochondrial Dysfunction in Osteoarthritis. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 2379-2390.	6.7	22
14	Single and multiple sevoflurane exposures during pregnancy and offspring behavior in mice. <i>Paediatric Anaesthesia</i> , 2017, 27, 742-751.	1.1	20
15	Anesthesia affects excitatory/inhibitory synapses during the critical synaptogenic period in the hippocampus of young mice: Importance of sex as a biological variable. <i>NeuroToxicology</i> , 2019, 70, 146-153.	3.0	20
16	Endothelial-specific Crif1 deletion induces BBB maturation and disruption via the alteration of actin dynamics by impaired mitochondrial respiration. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 1546-1561.	4.3	19
17	A High-fat Diet Induces a Loss of Midbrain Dopaminergic Neuronal Function That Underlies Motor Abnormalities. <i>Experimental Neurobiology</i> , 2017, 26, 104-112.	1.6	18
18	Activation of the HMGB1-RAGE axis upregulates TH expression in dopaminergic neurons via JNK phosphorylation. <i>Biochemical and Biophysical Research Communications</i> , 2017, 493, 358-364.	2.1	17

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19	Synergistic Neuroprotective Effect of Schisandra chinensis and Ribes fasciculatum on Neuronal Cell Death and Scopolamine-Induced Cognitive Impairment in Rats. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4517.	4.1	17
20	Auraptene Mitigates Parkinson's Disease-Like Behavior by Protecting Inhibition of Mitochondrial Respiration and Scavenging Reactive Oxygen Species. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3409.	4.1	16
21	The Pathological Role of Astrocytic MAOB in Parkinsonism Revealed by Genetic Ablation and Over-expression of MAOB. <i>Experimental Neurobiology</i> , 2021, 30, 113-119.	1.6	15
22	Metabolic characterization of imatinib-resistant BCR-ABL T315I chronic myeloid leukemia cells indicates down-regulation of glycolytic pathway and low ROS production. <i>Leukemia and Lymphoma</i> , 2016, 57, 2180-2188.	1.3	14
23	EGR1/GADD45 $\pm$ Activation by ROS of Non-Thermal Plasma Mediates Cell Death in Thyroid Carcinoma. <i>Cancers</i> , 2021, 13, 351.	3.7	14
24	The inhibitory effects of bupivacaine, levobupivacaine, and ropivacaine on K2P (two-pore domain) Tj ETQq0 0 0 rgBTJ /Overlock,10 Tf 50	1.7	12
25	Non-cell-autonomous modulation of tyrosine hydroxylase by HMGB1 released from astrocytes in an acute MPTP-induced Parkinsonian mouse model. <i>Laboratory Investigation</i> , 2019, 99, 1389-1399.	3.7	12
26	Schisandra Extract and Ascorbic Acid Synergistically Enhance Cognition in Mice through Modulation of Mitochondrial Respiration. <i>Nutrients</i> , 2020, 12, 897.	4.1	11
27	L $\alpha$ -Deprenyl exerts cytotoxicity towards acute myeloid leukemia through inhibition of mitochondrial respiration. <i>Oncology Reports</i> , 2018, 40, 3869-3878.	2.6	10
28	Altered Mitochondrial Functions and Morphologies in Epithelial Cells Are Associated With Pathogenesis of Chronic Rhinosinusitis With Nasal Polyps. <i>Allergy, Asthma and Immunology Research</i> , 2020, 12, 653.	2.9	9
29	Hochu-ekki-to Treatment Improves Reproductive and Immune Modulation in the Stress-Induced Rat Model of Polycystic Ovarian Syndrome. <i>Molecules</i> , 2017, 22, 978.	3.8	8
30	Chloramphenicol Mitigates Oxidative Stress by Inhibiting Translation of Mitochondrial Complex I in Dopaminergic Neurons of Toxin-Induced Parkinson's Disease Model. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-14.	4.0	8
31	Romo1 Inhibition Induces TRAIL-Mediated Apoptosis in Colorectal Cancer. <i>Cancers</i> , 2020, 12, 2358.	3.7	8
32	Auraptene Enhances Junction Assembly in Cerebrovascular Endothelial Cells by Promoting Resilience to Mitochondrial Stress through Activation of Antioxidant Enzymes and mtUPR. <i>Antioxidants</i> , 2021, 10, 475.	5.1	8
33	General anesthesia activates the mitochondrial unfolded protein response and induces age-dependent, long-lasting changes in mitochondrial function in the developing brain. <i>NeuroToxicology</i> , 2021, 82, 1-8.	3.0	7
34	Increasing the interval between repeated anesthetic exposures reduces long-lasting synaptic changes in late postnatal mice. <i>Journal of Neurochemistry</i> , 2021, 156, 76-87.	3.9	5
35	Head and Neck Cancer Cell Death due to Mitochondrial Damage Induced by Reactive Oxygen Species from Nonthermal Plasma-Activated Media: Based on Transcriptomic Analysis. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-17.	4.0	5
36	General Anesthesia During Neurodevelopment Reduces Autistic Behavior in Adult BTBR Mice, a Murine Model of Autism. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 772047.	3.7	4

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37	Interval-dependent neurotoxicity after multiple ketamine injections in late postnatal mice. <i>Journal of Anesthesia</i> , 2021, 35, 93-101.	1.7	3
38	Reactive microglia and mitochondrial unfolded protein response following ventriculomegaly and behavior defects in kaolin-induced hydrocephalus. <i>BMB Reports</i> , 2022, 55, 181-186.	2.4	3
39	Repeated ketamine anesthesia during neurodevelopment upregulates hippocampal activity and enhances drug reward in male mice. <i>Communications Biology</i> , 2022, 5, .	4.4	1