

Amalia Dolga

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

3,198
citations

136950

32
h-index

168389

53
g-index

87
all docs

87
docs citations

87
times ranked

5231
citing authors

#	ARTICLE	IF	CITATIONS
1	BID links ferroptosis to mitochondrial cell death pathways. <i>Redox Biology</i> , 2017, 12, 558-570.	9.0	245
2	Statins: Mechanisms of neuroprotection. <i>Progress in Neurobiology</i> , 2009, 88, 64-75.	5.7	225
3	Inflammation and NF- κ B in Alzheimer's Disease and Diabetes. <i>Journal of Alzheimer's Disease</i> , 2009, 16, 809-821.	2.6	157
4	The role of Ca ²⁺ in cell death caused by oxidative glutamate toxicity and ferroptosis. <i>Cell Calcium</i> , 2018, 70, 47-55.	2.4	135
5	Human VPS13A is associated with multiple organelles and influences mitochondrial morphology and lipid droplet motility. <i>ELife</i> , 2019, 8, .	6.0	114
6	Mitochondrial damage by α -synuclein causes cell death in human dopaminergic neurons. <i>Cell Death and Disease</i> , 2019, 10, 865.	6.3	112
7	Glucose-regulated protein 75 determines ER-mitochondrial coupling and sensitivity to oxidative stress in neuronal cells. <i>Cell Death Discovery</i> , 2017, 3, 17076.	4.7	100
8	Linalool attenuates oxidative stress and mitochondrial dysfunction mediated by glutamate and NMDA toxicity. <i>Biomedicine and Pharmacotherapy</i> , 2019, 118, 109295.	5.6	91
9	Impedance measurement for real time detection of neuronal cell death. <i>Journal of Neuroscience Methods</i> , 2012, 203, 69-77.	2.5	88
10	Fibril polymorphism affects immobilized non-amyloid flanking domains of huntingtin exon1 rather than its polyglutamine core. <i>Nature Communications</i> , 2017, 8, 15462.	12.8	81
11	Mitochondrial Small Conductance SK2 Channels Prevent Glutamate-induced Oxytosis and Mitochondrial Dysfunction. <i>Journal of Biological Chemistry</i> , 2013, 288, 10792-10804.	3.4	80
12	TNF α -mediates neuroprotection against glutamate-induced excitotoxicity via NF κ B-dependent up-regulation of K _{Ca} 2.2 channels. <i>Journal of Neurochemistry</i> , 2008, 107, 1158-1167.	3.9	77
13	Neuronal AKAP150 coordinates PKA and Epac-mediated PKB/Akt phosphorylation. <i>Cellular Signalling</i> , 2008, 20, 1715-1724.	3.6	76
14	Interleukin-6 Upregulates Neuronal Adenosine A1 Receptors: Implications for Neuromodulation and Neuroprotection. <i>Neuropsychopharmacology</i> , 2008, 33, 2237-2250.	5.4	63
15	Lovastatin Induces Neuroprotection Through Tumor Necrosis Factor Receptor 2 Signaling Pathways. <i>Journal of Alzheimer's Disease</i> , 2008, 13, 111-122.	2.6	56
16	Subcellular expression and neuroprotective effects of SK channels in human dopaminergic neurons. <i>Cell Death and Disease</i> , 2014, 5, e999-e999.	6.3	56
17	Inhibition of the AIF/CypA complex protects against intrinsic death pathways induced by oxidative stress. <i>Cell Death and Disease</i> , 2014, 5, e993-e993.	6.3	54
18	Mitochondrial Ca ²⁺ -activated K ⁺ channels and their role in cell life and death pathways. <i>Cell Calcium</i> , 2018, 69, 101-111.	2.4	52

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19	KCa ₂ channels activation prevents [Ca ²⁺] _i deregulation and reduces neuronal death following glutamate toxicity and cerebral ischemia. <i>Cell Death and Disease</i> , 2011, 2, e147-e147.	6.3	49
20	Trifluoperazine rescues human dopaminergic cells from wild-type $\hat{\iota}$ -synuclein-induced toxicity. <i>Neurobiology of Aging</i> , 2014, 35, 1700-1711.	3.1	48
21	The metalloprotease-disintegrin ADAM8 contributes to temozolomide chemoresistance and enhanced invasiveness of human glioblastoma cells. <i>Neuro-Oncology</i> , 2015, 17, 1474-1485.	1.2	48
22	SK2 channels regulate mitochondrial respiration and mitochondrial Ca ²⁺ uptake. <i>Cell Death and Differentiation</i> , 2017, 24, 761-773.	11.2	48
23	Protective effect of metformin against palmitate-induced hepatic cell death. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165621.	3.8	45
24	Targeting pathogen metabolism without collateral damage to the host. <i>Scientific Reports</i> , 2017, 7, 40406.	3.3	42
25	A-kinase anchoring protein 150 in the mouse brain is concentrated in areas involved in learning and memory. <i>Brain Research</i> , 2007, 1145, 97-107.	2.2	41
26	Unraveling the role of thiosulfate sulfurtransferase in metabolic diseases. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165716.	3.8	39
27	Inhibition of HIF-prolyl-4-hydroxylases prevents mitochondrial impairment and cell death in a model of neuronal oxytosis. <i>Cell Death and Disease</i> , 2016, 7, e2214-e2214.	6.3	38
28	KBP interacts with SCG10, linking Goldberg's Shprintzen syndrome to microtubule dynamics and neuronal differentiation. <i>Human Molecular Genetics</i> , 2010, 19, 3642-3651.	2.9	37
29	$\hat{\iota}$ 1-antitrypsin modulates microglial-mediated neuroinflammation and protects microglial cells from amyloid- β -induced toxicity. <i>Journal of Neuroinflammation</i> , 2014, 11, 165.	7.2	37
30	Activation of SK2 channels preserves ER Ca ²⁺ homeostasis and protects against ER stress-induced cell death. <i>Cell Death and Differentiation</i> , 2016, 23, 814-827.	11.2	37
31	Activation of KCNN3/SK3/K _{Ca} 2.3 channels attenuates enhanced calcium influx and inflammatory cytokine production in activated microglia. <i>Glia</i> , 2012, 60, 2050-2064.	4.9	36
32	Protective Roles for Potassium SK/KCa ₂ Channels in Microglia and Neurons. <i>Frontiers in Pharmacology</i> , 2012, 3, 196.	3.5	35
33	Regulators of mitochondrial Ca ²⁺ homeostasis in cerebral ischemia. <i>Cell and Tissue Research</i> , 2014, 357, 395-405.	2.9	35
34	Calcium-activated SK potassium channels are key modulators of the pacemaker frequency in locus coeruleus neurons. <i>Molecular and Cellular Neurosciences</i> , 2018, 88, 330-341.	2.2	35
35	Microglia alterations in neurodegenerative diseases and their modeling with human induced pluripotent stem cell and other platforms. <i>Progress in Neurobiology</i> , 2020, 190, 101805.	5.7	35
36	SK channel-mediated metabolic escape to glycolysis inhibits ferroptosis and supports stress resistance in <i>C. elegans</i> . <i>Cell Death and Disease</i> , 2020, 11, 263.	6.3	34

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37	Pretreatment with Lovastatin Prevents N-Methyl-D-Aspartate-Induced Neurodegeneration in the Magnocellular Nucleus Basalis and Behavioral Dysfunction. <i>Journal of Alzheimer's Disease</i> , 2009, 17, 327-336.	2.6	32
38	KCa2 and KCa3 Channels in Learning and Memory Processes, and Neurodegeneration. <i>Frontiers in Pharmacology</i> , 2012, 3, 107.	3.5	31
39	Small conductance Ca ²⁺ -activated K ⁺ channels in the plasma membrane, mitochondria and the ER: Pharmacology and implications in neuronal diseases. <i>Neurochemistry International</i> , 2017, 109, 13-23.	3.8	31
40	SK channel activation modulates mitochondrial respiration and attenuates neuronal HT-22 cell damage induced by H ₂ O ₂ . <i>Neurochemistry International</i> , 2015, 81, 63-75.	3.8	30
41	Design of a novel thiophene inhibitor of 15-lipoxygenase-1 with both anti-inflammatory and neuroprotective properties. <i>European Journal of Medicinal Chemistry</i> , 2016, 122, 786-801.	5.5	30
42	AIF depletion provides neuroprotection through a preconditioning effect. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2012, 17, 1027-1038.	4.9	27
43	Lithium protects hippocampal progenitors, cognitive performance and hypothalamus-pituitary function after irradiation to the juvenile rat brain. <i>Oncotarget</i> , 2017, 8, 34111-34127.	1.8	27
44	<i>ACO2</i> homozygous missense mutation associated with complicated hereditary spastic paraplegia. <i>Neurology: Genetics</i> , 2018, 4, e223.	1.9	25
45	The neuroprotective role of microglial cells against amyloid beta-mediated toxicity in organotypic hippocampal slice cultures. <i>Brain Pathology</i> , 2020, 30, 589-602.	4.1	25
46	The Potential of Ferroptosis-Targeting Therapies for Alzheimer's Disease: From Mechanism to Transcriptomic Analysis. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 745046.	3.4	24
47	The tale of proteolysis targeting chimeras (PROTACs) for Leucine-Rich Repeat Kinase 2 (LRRK2). <i>ChemMedChem</i> , 2021, 16, 959-965.	3.2	23
48	Mitochondrial dysfunction in neurodegenerative diseases: A focus on iPSC-derived neuronal models. <i>Cell Calcium</i> , 2021, 94, 102362.	2.4	23
49	Identification and characterization of a novel, shorter isoform of the small conductance Ca ²⁺ -activated K ⁺ channel SK2. <i>Journal of Neurochemistry</i> , 2008, 106, 2312-2321.	3.9	21
50	The VAMP-associated protein VAPB is required for cardiac and neuronal pacemaker channel function. <i>FASEB Journal</i> , 2018, 32, 6159-6173.	0.5	19
51	Calcium-activated potassium channels: implications for aging and age-related neurodegeneration. <i>International Journal of Biochemistry and Cell Biology</i> , 2020, 123, 105748.	2.8	19
52	SK channel activation potentiates auranofin-induced cell death in glio- and neuroblastoma cells. <i>Biochemical Pharmacology</i> , 2020, 171, 113714.	4.4	16
53	Novel <i>N</i> -Phenyl-Substituted Thiazolidinediones Protect Neural Cells against Glutamate- and tBid-Induced Toxicity. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2014, 350, 273-289.	2.5	14
54	Time-resolved characterization of the mechanisms of toxicity induced by silica and amino-modified polystyrene on alveolar-like macrophages. <i>Archives of Toxicology</i> , 2020, 94, 173-186.	4.2	14

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55	Transcriptomic and epigenomic landscapes of Alzheimer's disease evidence mitochondrial-related pathways. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2022, 1869, 119326.	4.1	14
56	One protein, different cell fate: the differential outcome of depleting GRP75 during oxidative stress in neurons. <i>Cell Death and Disease</i> , 2018, 9, 32.	6.3	13
57	Pharmacological Inhibition of Epac1 Averts Ferroptosis Cell Death by Preserving Mitochondrial Integrity. <i>Antioxidants</i> , 2022, 11, 314.	5.1	13
58	RNA Editing in the Central Cavity as a Mechanism to Regulate Surface Expression of the Voltage-gated Potassium Channel Kv1.1. <i>Journal of Biological Chemistry</i> , 2014, 289, 26762-26771.	3.4	12
59	Statins " increasing or reducing the risk of Parkinson's disease?. <i>Experimental Neurology</i> , 2011, 228, 1-4.	4.1	11
60	The serine protease inhibitor TLCK attenuates intrinsic death pathways in neurons upstream of mitochondrial demise. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2014, 19, 1545-1558.	4.9	11
61	Cholinergic cells in the nucleus basalis of mice express the N-methyl-d-aspartate-receptor subunit NR2C and its replacement by the NR2B subunit enhances frontal and amygdaloid acetylcholine levels. <i>Genes, Brain and Behavior</i> , 2006, 5, 552-560.	2.2	10
62	Bcl-xL knockout attenuates mitochondrial respiration and causes oxidative stress that is compensated by pentose phosphate pathway activity. <i>Free Radical Biology and Medicine</i> , 2017, 112, 350-359.	2.9	10
63	Enhanced firing of locus coeruleus neurons and SK channel dysfunction are conserved in distinct models of prodromal Parkinson's disease. <i>Scientific Reports</i> , 2022, 12, 3180.	3.3	10
64	SK channel activation is neuroprotective in conditions of enhanced ER-mitochondrial coupling. <i>Cell Death and Disease</i> , 2018, 9, 593.	6.3	8
65	Fibroblast-specific genome-scale modelling predicts an imbalance in amino acid metabolism in Refsum disease. <i>FEBS Journal</i> , 2020, 287, 5096-5113.	4.7	8
66	Small-Conductance Ca ²⁺ -Activated Potassium Type 2 Channels Regulate the Formation of Contextual Fear Memory. <i>PLoS ONE</i> , 2015, 10, e0127264.	2.5	8
67	Cytochrome c Oxidase Inhibition by ATP Decreases Mitochondrial ROS Production. <i>Cells</i> , 2022, 11, 992.	4.1	8
68	A Conserved Role for LRRK2 and Roco Proteins in the Regulation of Mitochondrial Activity. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 734554.	3.7	6
69	Advanced Modeling of Peripheral Neuro-Effector Communication and -Plasticity. <i>Physiology</i> , 2020, 35, 348-357.	3.1	5
70	Plasma hsa-miR-19b is a potential LevoDopa therapy marker. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 8715-8724.	3.6	5
71	Design, Optimization, and Structural Characterization of an Apoptosis-Inducing Factor Peptide Targeting Human Cyclophilin A to Inhibit Apoptosis Inducing Factor-Mediated Cell Death. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 11445-11459.	6.4	5
72	Interaction of the Psychiatric Risk Gene Cacna1c With Post-weaning Social Isolation or Environmental Enrichment Does Not Affect Brain Mitochondrial Bioenergetics in Rats. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 483.	3.7	4

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73	PEG out through the pores with the help of ESCRTIII. Cell Calcium, 2021, 97, 102422.	2.4	4
74	The Unfolded Protein Response Sensor PERK Mediates Stiffness-Dependent Adaptation in Glioblastoma Cells. International Journal of Molecular Sciences, 2022, 23, 6520.	4.1	4
75	Human pluripotent stem cells for the modelling and treatment of respiratory diseases. European Respiratory Review, 2021, 30, 210042.	7.1	3
76	Thiosulfate sulfurtransferase prevents hyperglycemic damage to the zebrafish pronephros in an experimental model for diabetes. Scientific Reports, 2022, 12, .	3.3	3
77	SK-Channel Activation Alters Peripheral Metabolic Pathways in Mice, but Not Lipopolysaccharide-Induced Fever or Inflammation. Journal of Inflammation Research, 2022, Volume 15, 509-531.	3.5	1
78	Metabolic escape to glycolysis through SK channel activation inhibits ferroptosis and increases the life span of C. elegans in conditions of heat stress. FASEB Journal, 2019, 33, 665.7.	0.5	0
79	Diesel exhaust particles alter cAMP dynamics in human bronchial epithelial cells. FASEB Journal, 2022, 36, .	0.5	0