

Amalia Dolga

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

73 papers	2,130 citations	27 h-index	44 g-index
87 ext. papers	2,654 ext. citations	6.2 avg, IF	4.93 L-index

#	Paper	IF	Citations
73	SK-Channel Activation Alters Peripheral Metabolic Pathways in Mice, but Not Lipopolysaccharide-Induced Fever or Inflammation.. <i>Journal of Inflammation Research</i> , 2022 , 15, 509-531	4.8	0
72	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	4.9	0
71	Mitochondrial dysfunction in neurodegenerative diseases: A focus on iPSC-derived neuronal models. <i>Cell Calcium</i> , 2021 , 94, 102362	4	5
70	PEG out through the pores with the help of ESCRTIII. <i>Cell Calcium</i> , 2021 , 97, 102422	4	1
69	The tale of proteolysis targeting chimeras (PROTACs) for Leucine-Rich Repeat Kinase 2 (LRRK2). <i>ChemMedChem</i> , 2021 , 16, 959-965	3.7	7
68	Plasma hsa-mir-19b is a potential LevoDopa therapy marker. <i>Journal of Cellular and Molecular Medicine</i> , 2021 , 25, 8715-8724	5.6	1
67	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	8.3	2
66	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	5.7	2
65	The Potential of Ferroptosis-Targeting Therapies for Alzheimer's Disease: From Mechanism to Transcriptomic Analysis.. <i>Frontiers in Aging Neuroscience</i> , 2021 , 13, 745046	5.3	4
64	Fibroblast-specific genome-scale modelling predicts an imbalance in amino acid metabolism in Refsum disease. <i>FEBS Journal</i> , 2020 , 287, 5096-5113	5.7	4
63	Unraveling the role of thiosulfate sulfurtransferase in metabolic diseases. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020 , 1866, 165716	6.9	13
62	Calcium-activated potassium channels: implications for aging and age-related neurodegeneration. <i>International Journal of Biochemistry and Cell Biology</i> , 2020 , 123, 105748	5.6	11
61	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	9.8	6
60	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	10.9	20
59	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	5.8	5
58	SK channel activation potentiates auranofin-induced cell death in glioma- and neuroblastoma cells. <i>Biochemical Pharmacology</i> , 2020 , 171, 113714	6	6
57	The neuroprotective role of microglial cells against amyloid beta-mediated toxicity in organotypic hippocampal slice cultures. <i>Brain Pathology</i> , 2020 , 30, 589-602	6	10

56	Protective effect of metformin against palmitate-induced hepatic cell death. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020 , 1866, 165621	6.9	27
55	Advanced Modeling of Peripheral Neuro-Effector Communication and -Plasticity. <i>Physiology</i> , 2020 , 35, 348-357	9.8	1
54	Linalool attenuates oxidative stress and mitochondrial dysfunction mediated by glutamate and NMDA toxicity. <i>Biomedicine and Pharmacotherapy</i> , 2019 , 118, 109295	7.5	45
53	Interaction of the Psychiatric Risk Gene 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	6.1	4
52	Human VPS13A is associated with multiple organelles and influences mitochondrial morphology and lipid droplet motility. <i>ELife</i> , 2019 , 8,	8.9	71
51	Metabolic escape to glycolysis through SK channel activation inhibits ferroptosis and increases the life span of <i>C. elegans</i> in conditions of heat stress. <i>FASEB Journal</i> , 2019 , 33, 665.7	0.9	
50	Mitochondrial damage by β -synuclein causes cell death in human dopaminergic neurons. <i>Cell Death and Disease</i> , 2019 , 10, 865	9.8	59
49	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	9.8	9
48	homozygous missense mutation associated with complicated hereditary spastic paraplegia. <i>Neurology: Genetics</i> , 2018 , 4, e223	3.8	18
47	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	4.8	19
46	The role of Ca in cell death caused by oxidative glutamate toxicity and ferroptosis. <i>Cell Calcium</i> , 2018 , 70, 47-55	4	78
45	Mitochondrial Ca-activated K channels and their role in cell life and death pathways. <i>Cell Calcium</i> , 2018 , 69, 101-111	4	36
44	The VAMP-associated protein VAPB is required for cardiac and neuronal pacemaker channel function. <i>FASEB Journal</i> , 2018 , 32, 6159-6173	0.9	10
43	Molecular Mechanisms Underlying Oxytosis 2018 , 289-316		
42	SK channel activation is neuroprotective in conditions of enhanced ER-mitochondrial coupling. <i>Cell Death and Disease</i> , 2018 , 9, 593	9.8	5
41	Targeting pathogen metabolism without collateral damage to the host. <i>Scientific Reports</i> , 2017 , 7, 40406	4.9	32
40	SK2 channels regulate mitochondrial respiration and mitochondrial Ca uptake. <i>Cell Death and Differentiation</i> , 2017 , 24, 761-773	12.7	31
39	Small conductance Ca-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	4.4	20

38	Fibril polymorphism affects immobilized non-amyloid flanking domains of huntingtin exon1 rather than its polyglutamine core. <i>Nature Communications</i> , 2017 , 8, 15462	17.4	50
37	BID links ferroptosis to mitochondrial cell death pathways. <i>Redox Biology</i> , 2017 , 12, 558-570	11.3	142
36	Lithium protects hippocampal progenitors, cognitive performance and hypothalamus-pituitary function after irradiation to the juvenile rat brain. <i>Oncotarget</i> , 2017 , 8, 34111-34127	3.3	13
35	Bcl-x 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	7.8	8
34	Glucose-regulated protein 75 determines ER-mitochondrial coupling and sensitivity to oxidative stress in neuronal cells. <i>Cell Death Discovery</i> , 2017 , 3, 17076	6.9	65
33	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	6.8	20
32	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, 814-27	12.7	24
31	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	9.8	27
30	The metalloprotease-disintegrin ADAM8 contributes to temozolomide chemoresistance and enhanced invasiveness of human glioblastoma cells. <i>Neuro-Oncology</i> , 2015 , 17, 1474-85	1	29
29	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	4.4	21
28	Small-conductance Ca ²⁺ -activated potassium type 2 channels regulate the formation of contextual fear memory. <i>PLoS ONE</i> , 2015 , 10, e0127264	3.7	6
27	Regulators of mitochondrial Ca(2+) homeostasis in cerebral ischemia. <i>Cell and Tissue Research</i> , 2014 , 357, 395-405	4.2	25
26	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	5.4	7
25	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, 1545-58	5.4	8
24	Subcellular expression and neuroprotective effects of SK channels in human dopaminergic neurons. <i>Cell Death and Disease</i> , 2014 , 5, e999	9.8	34
23	Novel N-phenyl-substituted thiazolidinediones protect neural cells against glutamate- and tBid-induced toxicity. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2014 , 350, 273-89	4.7	12
22	Trifluoperazine rescues human dopaminergic cells from wild-type β -synuclein-induced toxicity. <i>Neurobiology of Aging</i> , 2014 , 35, 1700-11	5.6	39
21	α -antitrypsin modulates microglial-mediated neuroinflammation and protects microglial cells from amyloid- β -induced toxicity. <i>Journal of Neuroinflammation</i> , 2014 , 11, 165	10.1	28

20	Inhibition of the AIF/CypA complex protects against intrinsic death pathways induced by oxidative stress. <i>Cell Death and Disease</i> , 2014 , 5, e993	9.8	41
19	Mitochondrial small conductance SK2 channels prevent glutamate-induced oxytosis and mitochondrial dysfunction. <i>Journal of Biological Chemistry</i> , 2013 , 288, 10792-804	5.4	64
18	Impedance measurement for real time detection of neuronal cell death. <i>Journal of Neuroscience Methods</i> , 2012 , 203, 69-77	3	71
17	AIF depletion provides neuroprotection through a preconditioning effect. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2012 , 17, 1027-38	5.4	25
16	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, 2050-64	9	27
15	K(Ca) ₂ and k(ca) ₃ channels in learning and memory processes, and neurodegeneration. <i>Frontiers in Pharmacology</i> , 2012 , 3, 107	5.6	27
14	Protective Roles for Potassium SK/K(Ca) ₂ Channels in Microglia and Neurons. <i>Frontiers in Pharmacology</i> , 2012 , 3, 196	5.6	29
13	Statins--increasing or reducing the risk of Parkinson's disease?. <i>Experimental Neurology</i> , 2011 , 228, 1-4	5.7	9
12	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	9.8	40
11	KBP interacts with SCG10, linking Goldberg-Shprintzen syndrome to microtubule dynamics and neuronal differentiation. <i>Human Molecular Genetics</i> , 2010 , 19, 3642-51	5.6	33
10	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, 327-36	4.3	27
9	Statins: mechanisms of neuroprotection. <i>Progress in Neurobiology</i> , 2009 , 88, 64-75	10.9	196
8	Inflammation and NF-kappaB in Alzheimer's disease and diabetes. <i>Journal of Alzheimer's Disease</i> , 2009 , 16, 809-21	4.3	132
7	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, 2312-21	6	19
6	TNF-alpha-mediates neuroprotection against glutamate-induced excitotoxicity via NF-kappaB-dependent up-regulation of K2.2 channels. <i>Journal of Neurochemistry</i> , 2008 , 107, 1158-67	6	56
5	Neuronal AKAP150 coordinates PKA and Epac-mediated PKB/Akt phosphorylation. <i>Cellular Signalling</i> , 2008 , 20, 1715-24	4.9	65
4	Interleukin-6 upregulates neuronal adenosine A1 receptors: implications for neuromodulation and neuroprotection. <i>Neuropsychopharmacology</i> , 2008 , 33, 2237-50	8.7	54
3	Lovastatin induces neuroprotection through tumor necrosis factor receptor 2 signaling pathways. <i>Journal of Alzheimer's Disease</i> , 2008 , 13, 111-22	4.3	45

2	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	3.7	34
1	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, 552-60	3.6	10