

Carsten Culmsee

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4847598/carsten-culmsee-publications-by-citations.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

134
papers

9,880
citations

50
h-index

98
g-index

148
ext. papers

11,044
ext. citations

6.6
avg, IF

5.87
L-index

#	Paper	IF	Citations
134	Glutathione peroxidase 4 senses and translates oxidative stress into 12/15-lipoxygenase dependent- and AIF-mediated cell death. <i>Cell Metabolism</i> , 2008 , 8, 237-48	24.6	690
133	Homocysteine elicits a DNA damage response in neurons that promotes apoptosis and hypersensitivity to excitotoxicity. <i>Journal of Neuroscience</i> , 2000 , 20, 6920-6	6.6	628
132	Purification of polyethylenimine polyplexes highlights the role of free polycations in gene transfer. <i>Journal of Gene Medicine</i> , 2004 , 6, 1102-11	3.5	381
131	Roles of nuclear factor kappaB in neuronal survival and plasticity. <i>Journal of Neurochemistry</i> , 2000 , 74, 443-56	6	377
130	A dual role for the SDF-1/CXCR4 chemokine receptor system in adult brain: isoform-selective regulation of SDF-1 expression modulates CXCR4-dependent neuronal plasticity and cerebral leukocyte recruitment after focal ischemia. <i>Journal of Neuroscience</i> , 2002 , 22, 5865-78	6.6	337
129	p53 in neuronal apoptosis. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 331, 761-77	3.4	333
128	A synthetic inhibitor of p53 protects neurons against death induced by ischemic and excitotoxic insults, and amyloid beta-peptide. <i>Journal of Neurochemistry</i> , 2001 , 77, 220-8	6	297
127	Apoptosis-inducing factor triggered by poly(ADP-ribose) polymerase and Bid mediates neuronal cell death after oxygen-glucose deprivation and focal cerebral ischemia. <i>Journal of Neuroscience</i> , 2005 , 25, 10262-72	6.6	282
126	AMP-activated protein kinase is highly expressed in neurons in the developing rat brain and promotes neuronal survival following glucose deprivation. <i>Journal of Molecular Neuroscience</i> , 2001 , 17, 45-58	3.3	280
125	Cellular and molecular mechanisms underlying perturbed energy metabolism and neuronal degeneration in Alzheimer's and Parkinson's diseases. <i>Annals of the New York Academy of Sciences</i> , 1999 , 893, 154-75	6.5	275
124	Apoptotic and antiapoptotic mechanisms in stroke. <i>Cell and Tissue Research</i> , 2000 , 301, 173-87	4.2	260
123	Neurodegenerative disorders and ischemic brain diseases. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2001 , 6, 69-81	5.4	253
122	Transforming growth factor-beta 1 increases bad phosphorylation and protects neurons against damage. <i>Journal of Neuroscience</i> , 2002 , 22, 3898-909	6.6	236
121	Effectiveness of intermittent pneumatic compression in reduction of risk of deep vein thrombosis in patients who have had a stroke (CLOTS 3): a multicentre randomised controlled trial. <i>Lancet, The</i> , 2013 , 382, 516-24	4.0	228
120	Inhibition of Drp1 provides neuroprotection in vitro and in vivo. <i>Cell Death and Differentiation</i> , 2012 , 19, 1446-58	12.7	213
119	Apoptosis-inducing factor is a major contributor to neuronal loss induced by neonatal cerebral hypoxia-ischemia. <i>Cell Death and Differentiation</i> , 2007 , 14, 775-84	12.7	169
118	Upregulation of the enzyme chain hydrolyzing extracellular ATP after transient forebrain ischemia in the rat. <i>Journal of Neuroscience</i> , 1998 , 18, 4891-900	6.6	168

117	Neuroprotection by estrogens in a mouse model of focal cerebral ischemia and in cultured neurons: evidence for a receptor-independent antioxidative mechanism. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1999 , 19, 1263-9	7.3	161
116	Nuclear translocation of apoptosis-inducing factor after focal cerebral ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2004 , 24, 458-66	7.3	154
115	Parkin mediates neuroprotection through activation of I κ B kinase/nuclear factor-kappaB signaling. <i>Journal of Neuroscience</i> , 2007 , 27, 1868-78	6.6	153
114	BID links ferroptosis to mitochondrial cell death pathways. <i>Redox Biology</i> , 2017 , 12, 558-570	11.3	142
113	Neuroprotection by transforming growth factor-beta1 involves activation of nuclear factor-kappaB through phosphatidylinositol-3-OH kinase/Akt and mitogen-activated protein kinase-extracellular-signal regulated kinase1,2 signaling pathways. <i>Neuroscience</i> , 2004 , 123, 897-906	3.9	136
112	Molecular insights into mechanisms of the cell death program: role in the progression of neurodegenerative disorders. <i>Current Alzheimer Research</i> , 2006 , 3, 269-83	3	131
111	Reciprocal inhibition of p53 and nuclear factor-kappaB transcriptional activities determines cell survival or death in neurons. <i>Journal of Neuroscience</i> , 2003 , 23, 8586-95	6.6	130
110	The catalytic subunit of telomerase is expressed in developing brain neurons and serves a cell survival-promoting function. <i>Journal of Molecular Neuroscience</i> , 2000 , 14, 3-15	3.3	128
109	Mitochondrial rescue prevents glutathione peroxidase-dependent ferroptosis. <i>Free Radical Biology and Medicine</i> , 2018 , 117, 45-57	7.8	113
108	Presenilin-1 mutations sensitize neurons to DNA damage-induced death by a mechanism involving perturbed calcium homeostasis and activation of calpains and caspase-12. <i>Neurobiology of Disease</i> , 2002 , 11, 2-19	7.5	92
107	Corticotropin-releasing hormone protects neurons against insults relevant to the pathogenesis of Alzheimer's disease. <i>Neurobiology of Disease</i> , 2001 , 8, 492-503	7.5	88
106	Central inhibition of IKK α /NF- κ B signaling attenuates high-fat diet-induced obesity and glucose intolerance. <i>Diabetes</i> , 2015 , 64, 2015-27	0.9	87
105	Targeting the p53 pathway to protect the neonatal ischemic brain. <i>Annals of Neurology</i> , 2011 , 70, 255-64	9.4	81
104	Structure-activity relationships by interligand NOE-based design and synthesis of antiapoptotic compounds targeting Bid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 12602-6	11.5	81
103	Adaptive plasticity in tachykinin and tachykinin receptor expression after focal cerebral ischemia is differentially linked to gabaergic and glutamatergic cerebrocortical circuits and cerebrovenular endothelium. <i>Journal of Neuroscience</i> , 2001 , 21, 798-811	6.6	81
102	Therapeutic targeting of oxygen-sensing prolyl hydroxylases abrogates ATF4-dependent neuronal death and improves outcomes after brain hemorrhage in several rodent models. <i>Science Translational Medicine</i> , 2016 , 8, 328ra29	17.5	77
101	Combination therapy in ischemic stroke: synergistic neuroprotective effects of memantine and clenbuterol. <i>Stroke</i> , 2004 , 35, 1197-202	6.7	77
100	Stimulation of beta-adrenoceptors activates astrocytes and provides neuroprotection. <i>European Journal of Pharmacology</i> , 2002 , 446, 25-36	5.3	77

99	Clenbuterol induces growth factor mRNA, activates astrocytes, and protects rat brain tissue against ischemic damage. <i>European Journal of Pharmacology</i> , 1999 , 379, 33-45	5.3	75
98	Causal role of apoptosis-inducing factor for neuronal cell death following traumatic brain injury. <i>American Journal of Pathology</i> , 2008 , 173, 1795-805	5.8	72
97	Proteomic analysis reveals differences in protein expression in spheroid versus monolayer cultures of low-passage colon carcinoma cells. <i>Journal of Proteome Research</i> , 2007 , 6, 4111-8	5.6	72
96	Impedance measurement for real time detection of neuronal cell death. <i>Journal of Neuroscience Methods</i> , 2012 , 203, 69-77	3	71
95	Bone marrow stromal cells mediate protection through stimulation of PI3-K/Akt and MAPK signaling in neurons. <i>Neurochemistry International</i> , 2007 , 50, 243-50	4.4	69
94	Tf-lipoplexes for neuronal siRNA delivery: a promising system to mediate gene silencing in the CNS. <i>Journal of Controlled Release</i> , 2008 , 132, 113-23	11.7	67
93	Hippocampal neurons of mice deficient in DNA-dependent protein kinase exhibit increased vulnerability to DNA damage, oxidative stress and excitotoxicity. <i>Molecular Brain Research</i> , 2001 , 87, 257-62		67
92	Bid mediates fission, membrane permeabilization and peri-nuclear accumulation of mitochondria as a prerequisite for oxidative neuronal cell death. <i>Brain, Behavior, and Immunity</i> , 2010 , 24, 831-8	16.6	66
91	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
90	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
89	Guidelines on experimental methods to assess mitochondrial dysfunction in cellular models of neurodegenerative diseases. <i>Cell Death and Differentiation</i> , 2018 , 25, 542-572	12.7	64
88	p75 neurotrophin receptor is required for constitutive and NGF-induced survival signalling in PC12 cells and rat hippocampal neurones. <i>Journal of Neurochemistry</i> , 2002 , 81, 594-605	6	61
87	Mitochondrial damage by β -synuclein causes cell death in human dopaminergic neurons. <i>Cell Death and Disease</i> , 2019 , 10, 865	9.8	59
86	Aberrant stress response associated with severe hypoglycemia in a transgenic mouse model of Alzheimer's disease. <i>Journal of Molecular Neuroscience</i> , 1999 , 13, 159-65	3.3	50
85	Neurobiology of the major psychoses: a translational perspective on brain structure and function-the FOR2107 consortium. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2019 , 269, 949-962	5.1	50
84	Stimulation of beta2-adrenoceptors inhibits apoptosis in rat brain after transient forebrain ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1998 , 18, 1032-9	7.3	49
83	Cofilin1-dependent actin dynamics control DRP1-mediated mitochondrial fission. <i>Cell Death and Disease</i> , 2017 , 8, e3063	9.8	47
82	A Small-Molecule Inhibitor of Bax and Bak Oligomerization Prevents Genotoxic Cell Death and Promotes Neuroprotection. <i>Cell Chemical Biology</i> , 2017 , 24, 493-506.e5	8.2	46

81	The Potential Role of Ferroptosis in Neonatal Brain Injury. <i>Frontiers in Neuroscience</i> , 2019 , 13, 115	5.1	46
80	Egr-1 regulates expression of the glial scar component phosphacan in astrocytes after experimental stroke. <i>American Journal of Pathology</i> , 2008 , 173, 77-92	5.8	44
79	Mitochondria, Microglia, and the Immune System-How Are They Linked in Affective Disorders?. <i>Frontiers in Psychiatry</i> , 2018 , 9, 739	5	41
78	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
77	Synthesis and characterization of chemically condensed oligoethylenimine containing beta-aminopropionamide linkages for siRNA delivery. <i>Biomaterials</i> , 2007 , 28, 3731-40	15.6	41
76	KCa2 channels activation prevents [Ca2+]i deregulation and reduces neuronal death following glutamate toxicity and cerebral ischemia. <i>Cell Death and Disease</i> , 2011 , 2, e147	9.8	40
75	Tf-lipoplex-mediated c-Jun silencing improves neuronal survival following excitotoxic damage in vivo. <i>Journal of Controlled Release</i> , 2010 , 142, 392-403	11.7	40
74	Evidence for the involvement of Par-4 in ischemic neuron cell death. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2001 , 21, 334-43	7.3	40
73	Trifluoperazine rescues human dopaminergic cells from wild-type α -synuclein-induced toxicity. <i>Neurobiology of Aging</i> , 2014 , 35, 1700-11	5.6	39
72	Nitric oxide donors induce neurotrophin-like survival signaling and protect neurons against apoptosis. <i>Molecular Pharmacology</i> , 2005 , 68, 1006-17	4.3	39
71	Mitochondrial Ca-activated K channels and their role in cell life and death pathways. <i>Cell Calcium</i> , 2018 , 69, 101-111	4	36
70	Targeting of Polyplexes: Toward Synthetic Virus Vector Systems. <i>Advances in Genetics</i> , 2005 , 53PA, 333-354	3.5	36
69	Stimulation of 5-HT(1A) receptors reduces apoptosis after transient forebrain ischemia in the rat. <i>Brain Research</i> , 2000 , 883, 41-50	3.7	36
68	haploinsufficiency leads to pro-social 50-kHz ultrasonic communication deficits in rats. <i>DMM Disease Models and Mechanisms</i> , 2018 , 11,	4.1	34
67	Subcellular expression and neuroprotective effects of SK channels in human dopaminergic neurons. <i>Cell Death and Disease</i> , 2014 , 5, e999	9.8	34
66	Enalapril and moexipril protect from free radical-induced neuronal damage in vitro and reduce ischemic brain injury in mice and rats. <i>European Journal of Pharmacology</i> , 1999 , 373, 21-33	5.3	34
65	SK2 channels regulate mitochondrial respiration and mitochondrial Ca uptake. <i>Cell Death and Differentiation</i> , 2017 , 24, 761-773	12.7	31
64	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

63	Protective Roles for Potassium SK/K(Ca) ₂ Channels in Microglia and Neurons. <i>Frontiers in Pharmacology</i> , 2012 , 3, 196	5.6	29
62	α ₁ -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
61	Lubeluzole protects hippocampal neurons from excitotoxicity in vitro and reduces brain damage caused by ischemia. <i>European Journal of Pharmacology</i> , 1998 , 342, 193-201	5.3	28
60	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
59	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
58	Current concepts in chronic inflammatory diseases: Interactions between microbes, cellular metabolism, and inflammation. <i>Journal of Allergy and Clinical Immunology</i> , 2016 , 138, 47-56	11.5	26
57	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
56	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
55	Ischaemic brain damage after stroke: new insights into efficient therapeutic strategies. International Symposium on Neurodegeneration and Neuroprotection. <i>EMBO Reports</i> , 2007 , 8, 129-33	6.5	24
54	The tyrosine phosphatase inhibitor orthovanadate mimics NGF-induced neuroprotective signaling in rat hippocampal neurons. <i>Neurochemistry International</i> , 2004 , 44, 505-20	4.4	23
53	Extracellular Alpha-Synuclein Oligomers Induce Parkin S-Nitrosylation: Relevance to Sporadic Parkinson's Disease Etiopathology. <i>Molecular Neurobiology</i> , 2019 , 56, 125-140	6.2	23
52	Actin(g) on mitochondria - a role for cofilin1 in neuronal cell death pathways. <i>Biological Chemistry</i> , 2019 , 400, 1089-1097	4.5	22
51	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
50	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
49	Cylindromatosis mediates neuronal cell death in vitro and in vivo. <i>Cell Death and Differentiation</i> , 2018 , 25, 1394-1407	12.7	18
48	Sex-dependent effects of Cacna1c haploinsufficiency on juvenile social play behavior and pro-social 50-kHz ultrasonic communication in rats. <i>Genes, Brain and Behavior</i> , 2020 , 19, e12552	3.6	18
47	Enantio-selective effects of clenbuterol in cultured neurons and astrocytes, and in a mouse model of cerebral ischemia. <i>European Journal of Pharmacology</i> , 2007 , 575, 57-65	5.3	15
46	Free Fatty Acids in Bone Pathophysiology of Rheumatic Diseases. <i>Frontiers in Immunology</i> , 2019 , 10, 2758.4	8.4	15

45	Downregulation of the psychiatric susceptibility gene promotes mitochondrial resilience to oxidative stress in neuronal cells. <i>Cell Death Discovery</i> , 2018 , 4, 54	6.9	14
44	Drug Safety Analysis in a Real-Life Cohort of Parkinson's Disease Patients with Polypharmacy. <i>CNS Drugs</i> , 2017 , 31, 1093-1102	6.7	14
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	3.3	13
42	Pifithrin- μ provides neuroprotective effects at the level of mitochondria independently of p53 inhibition. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2014 , 19, 1665-77	5.4	12
41	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
40	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
39	A new approach on assessing clinical pharmacists' impact on prescribing errors in a surgical intensive care unit. <i>International Journal of Clinical Pharmacy</i> , 2019 , 41, 1184-1192	2.3	10
38	Effects of Raf-1 siRNA on human cerebral microvascular endothelial cells: a potential therapeutic strategy for inhibition of tumor angiogenesis. <i>Brain Research</i> , 2006 , 1125, 147-54	3.7	10
37	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
36	Metabolic switch induced by <i>Cimicifuga racemosa</i> extract prevents mitochondrial damage and oxidative cell death. <i>Phytomedicine</i> , 2019 , 52, 107-116	6.5	10
35	Central Application of Aliskiren, a Renin Inhibitor, Improves Outcome After Experimental Stroke Independent of Its Blood Pressure Lowering Effect. <i>Frontiers in Neurology</i> , 2019 , 10, 942	4.1	9
34	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
33	Statins--increasing or reducing the risk of Parkinson's disease?. <i>Experimental Neurology</i> , 2011 , 228, 1-4	5.7	9
32	Exogenous Alpha-Synuclein Evoked Parkin Downregulation Promotes Mitochondrial Dysfunction in Neuronal Cells. Implications for Parkinson's Disease Pathology. <i>Frontiers in Aging Neuroscience</i> , 2021 , 13, 591475	5.3	9
31	Protamine Sulfate Induces Mitochondrial Hyperpolarization and a Subsequent Increase in Reactive Oxygen Species Production. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019 , 370, 308-317	4.7	8
30	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
29	N-acyl derivatives of 4-phenoxyaniline as neuroprotective agents. <i>ChemMedChem</i> , 2014 , 9, 2260-73	3.7	8
28	Sex differences in neonatal mouse brain injury after hypoxia-ischemia and adaptaquin treatment. <i>Journal of Neurochemistry</i> , 2019 , 150, 759-775	6	7

27	A synthetic inhibitor of p53 protects neurons against death induced by ischemic and excitotoxic insults, and amyloid β -peptide. <i>Journal of Neurochemistry</i> , 2008 , 77, 220-228	6	7
26	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
25	Mechanisms of neuronal degeneration after ischemic stroke Emerging targets for novel therapeutic strategies. <i>Drug Discovery Today Disease Mechanisms</i> , 2005 , 2, 463-470		6
24	SK channel activation potentiates auranofin-induced cell death in glio- and neuroblastoma cells. <i>Biochemical Pharmacology</i> , 2020 , 171, 113714	6	6
23	SK channel activation is neuroprotective in conditions of enhanced ER-mitochondrial coupling. <i>Cell Death and Disease</i> , 2018 , 9, 593	9.8	5
22	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
21	Emerging pharmacotherapeutic strategies for the treatment of ischemic stroke. <i>Drug Discovery Today: Therapeutic Strategies</i> , 2006 , 3, 621-628		4
20	Dynasore Blocks Ferroptosis through Combined Modulation of Iron Uptake and Inhibition of Mitochondrial Respiration. <i>Cells</i> , 2020 , 9,	7.9	4
19	Overexpression of suppressor of cytokine signaling 3 in the arcuate nucleus of juvenile <i>Phodopus sungorus</i> alters seasonal body weight changes. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2013 , 183, 1101-11	2.2	3
18	Medication Review by Community Pharmacists for Type 2 Diabetes Patients in Routine Care: Results of the DIATHEM-Study. <i>Frontiers in Pharmacology</i> , 2020 , 11, 1176	5.6	3
17	Effects of extract Ze450 on mitochondria in models of oxidative stress in neuronal cells. <i>Data in Brief</i> , 2018 , 21, 1872-1879	1.2	3
16	RIPK1 or RIPK3 deletion prevents progressive neuronal cell death and improves memory function after traumatic brain injury. <i>Acta Neuropathologica Communications</i> , 2021 , 9, 138	7.3	3
15	Extract Ze 450 Re-Balances Energy Metabolism and Promotes Longevity. <i>Antioxidants</i> , 2021 , 10,	7.1	3
14	Characterization of Novel Diphenylamine Compounds as Ferroptosis Inhibitors. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2021 , 378, 184-196	4.7	2
13	Cyclase-associated protein 2 (CAP2) controls MRTF-A localization and SRF activity in mouse embryonic fibroblasts. <i>Scientific Reports</i> , 2021 , 11, 4789	4.9	2
12	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
11	Involvement of Apoptosis-Inducing Factor (AIF) in Neuronal Cell Death Following Cerebral Ischemia 2018 , 103-114		1
10	Cofilin1 oxidation links oxidative distress to mitochondrial demise and neuronal cell death. <i>Cell Death and Disease</i> , 2021 , 12, 953	9.8	1

- | | | |
|---|---|-------|
| 9 | Cofilin1 oxidation links oxidative distress to mitochondrial demise and neuronal cell death | 1 |
| 8 | Significant Role of Apoptosis-Inducing Factor (AIF) for Brain Damage Following Focal Cerebral Ischemia 2010 , 91-101 | 1 |
| 7 | 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 |
| 6 | Treat more than heat-New therapeutic implications of <i>Cimicifuga racemosa</i> through AMPK-dependent metabolic effects.. <i>Phytomedicine</i> , 2022 , 100, 154060 | 6.5 0 |
| 5 | Metabolic effects of <i>Cimicifuga racemosa</i> extract Ze450 on neuronal cells. <i>Maturitas</i> , 2019 , 124, 139 | 5 |
| 4 | Antiproliferative effects of <i>cimicifuga racemosa</i> root extract Ze 450 mediated by inhibition of oxidative phosphorylation and indirect AMPK activation. <i>Maturitas</i> , 2019 , 124, 138 | 5 |
| 3 | Apoptosis inducing factor (AIF) is essential for neuronal cell death following transient focal cerebral ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005 , 25, S466-S466 | 7.3 |
| 2 | 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 |
| 1 | Molecular Mechanisms Underlying Oxytosis 2018 , 289-316 | |