Ferenc Gallyas

List of Publications by Year in descending order

73 papers	3,595 citations	117625 34 h-index	133252 59 g-index
74 all docs	74 docs citations	74 times ranked	4106 citing authors

#	Article	IF	Citations
1	Decrease of the inflammatory response and induction of the Akt/protein kinase B pathway by poly-(ADP-ribose) polymerase 1 inhibitor in endotoxin-induced septic shock. Biochemical Pharmacology, 2003, 65, 1373-1382.	4.4	620
2	Direct effect of Taxol on free radical formation and mitochondrial permeability transition. Free Radical Biology and Medicine, 2001, 31, 548-558.	2.9	220
3	Novel phenanthridinone inhibitors of poly(adenosine 5â€²-diphosphate-ribose) synthetase: Potent cytoprotective and antishock agents*. Critical Care Medicine, 2002, 30, 1071-1082.	0.9	187
4	Pivotal Role of Akt Activation in Mitochondrial Protection and Cell Survival by Poly(ADP-ribose)polymerase-1 Inhibition in Oxidative Stress. Journal of Biological Chemistry, 2005, 280, 35767-35775.	3.4	151
5	Antioxidant and Anti-Inflammatory Effects in RAW264.7 Macrophages of Malvidin, a Major Red Wine Polyphenol. PLoS ONE, 2013, 8, e65355.	2.5	128
6	Regulation of Kinase Cascades and Transcription Factors by a Poly(ADP-Ribose) Polymerase-1 Inhibitor, 4-Hydroxyquinazoline, in Lipopolysaccharide-Induced Inflammation in Mice. Journal of Pharmacology and Experimental Therapeutics, 2004, 310, 247-255.	2.5	119
7	Inhibiting poly(ADP-ribose) polymerase: a potential therapy against oligodendrocyte death. Brain, 2010, 133, 822-834.	7.6	93
8	BGP-15â€”a novel poly(ADP-ribose) polymerase inhibitorâ€”protects against nephrotoxicity of cisplatin without compromising its antitumor activity. Biochemical Pharmacology, 2002, 63, 1099-1111.	4.4	92
9	PARP inhibition protects mitochondria and reduces ROS production via PARP-1-ATF4-MKP-1-MAPK retrograde pathway. Free Radical Biology and Medicine, 2017, 108, 770-784.	2.9	76
10	TRAF6 is functional in inhibition of TLR4-mediated NF-Î²B activation by resveratrol. Journal of Nutritional Biochemistry, 2013, 24, 819-823.	4.2	74
11	Preventing apoptotic cell death by a novel small heat shock protein. European Journal of Cell Biology, 2007, 86, 161-171.	3.6	67
12	Activation of mitochondrial fusion provides a new treatment for mitochondria-related diseases. Biochemical Pharmacology, 2018, 150, 86-96.	4.4	63
13	The neuroprotective effects of PACAP in monosodium glutamate-induced retinal lesion involve inhibition of proapoptotic signaling pathways. Regulatory Peptides, 2006, 137, 20-26.	1.9	61
14	Hydroximic Acid Derivatives: Pleiotropic Hsp Co-Inducers Restoring Homeostasis and Robustness. Current Pharmaceutical Design, 2013, 19, 309-346.	1.9	61
15	Assembly and cell surface expression of KA-2 subunit-containing kainate receptors. Journal of Neurochemistry, 2003, 86, 1414-1427.	3.9	55
16	Regulation of MKP-1 expression and MAPK activation by PARP-1 in oxidative stress: A new mechanism for the cytoplasmic effect of PARP-1 activation. Free Radical Biology and Medicine, 2010, 49, 1978-1988.	2.9	53
17	PARP inhibition prevents postinfarction myocardial remodeling and heart failure via the protein kinase C/glycogen synthase kinase-3Î² pathwayâ˜†. Journal of Molecular and Cellular Cardiology, 2006, 41, 149-159.	1.9	52
18	BGP-15, a PARP-inhibitor, prevents imatinib-induced cardiotoxicity by activating Akt and suppressing JNK and p38 MAP kinases. Molecular and Cellular Biochemistry, 2012, 365, 129-137.	3.1	52

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19	Critical role of PI3-kinase/Akt activation in the PARP inhibitor induced heart function recovery during ischemiaâ€“reperfusion. Biochemical Pharmacology, 2006, 71, 441-452.	4.4	50
20	Inhibition of cell death by a novel 16.2 kD heat shock protein predominantly via Hsp90 mediated lipid rafts stabilization and Akt activation pathway. Apoptosis: an International Journal on Programmed Cell Death, 2007, 12, 97-112.	4.9	49
21	Role of Akt Activation in PARP Inhibitor Resistance in Cancer. Cancers, 2020, 12, 532.	3.7	49
22	Protection Against Chronic Hypoperfusion-Induced Retinal Neurodegeneration by PARP Inhibition via Activation of PI-3-kinase Akt Pathway and Suppression of JNK and p38 MAP Kinases. Neurotoxicity Research, 2009, 16, 68-76.	2.7	48
23	Effects of pituitary adenylate cyclase activating polypeptide (PACAP) on the PKA-bad-14-3-3 signaling pathway in glutamate-induced retinal injury in neonatal rats. Neurotoxicity Research, 2007, 12, 95-104.	2.7	47
24	PARP-1 inhibition-induced activation of PI-3-kinase-Akt pathway promotes resistance to taxol. Biochemical Pharmacology, 2009, 77, 1348-1357.	4.4	47
25	Concentration dependent mitochondrial effect of amiodarone. Biochemical Pharmacology, 2003, 65, 1115-1128.	4.4	44
26	Experimental Demyelination and Axonal Loss Are Reduced in MicroRNA-146a Deficient Mice. Frontiers in Immunology, 2018, 9, 490.	4.8	43
27	Enhanced ADP-ribosylation and its diminution by lipoamide after ischemia-reperfusion in perfused rat heart. Free Radical Biology and Medicine, 1999, 27, 1103-1113.	2.9	41
28	BGP-15 Protects against Oxidative Stress- or Lipopolysaccharide-Induced Mitochondrial Destabilization and Reduces Mitochondrial Production of Reactive Oxygen Species. PLoS ONE, 2017, 12, e0169372.	2.5	41
29	Involvement of ERK and CREB Signaling Pathways in the Protective Effect of PACAP in Monosodium Glutamate-Induced Retinal Lesion. Annals of the New York Academy of Sciences, 2006, 1070, 507-511.	3.8	40
30	Suppressing LPS-induced early signal transduction in macrophages by a polyphenol degradation product: a critical role of MKP-1. Journal of Leukocyte Biology, 2010, 89, 105-111.	3.3	40
31	Protective Effect of Amiodarone but Not N- Desethylamiodarone on Postischemic Hearts through the Inhibition of Mitochondrial Permeability Transition. Journal of Pharmacology and Experimental Therapeutics, 2003, 307, 615-625.	2.5	38
32	Induction of necrotic cell death and mitochondrial permeabilization by heme binding protein 2/SOUL. FEBS Letters, 2006, 580, 6447-6454.	2.8	37
33	Novel Mechanisms of Sildenafil in Pulmonary Hypertension Involving Cytokines/Chemokines, MAP Kinases and Akt. PLoS ONE, 2014, 9, e104890.	2.5	37
34	A novel SOD-mimetic permeability transition inhibitor agent protects ischemic heart by inhibiting both apoptotic and necrotic cell death. Free Radical Biology and Medicine, 2006, 41, 835-848.	2.9	36
35	Correlation between the progressive cytoplasmic expression of a novel small heat shock protein (Hsp16.2) and malignancy in brain tumors. BMC Cancer, 2007, 7, 233.	2.6	36
36	Facilitation of Mitochondrial Outer and Inner Membrane Permeabilization and Cell Death in Oxidative Stress by a Novel Bcl-2 Homology 3 Domain Protein. Journal of Biological Chemistry, 2010, 285, 2140-2151.	3.4	36

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37	Ferulaldehyde, a Water-Soluble Degradation Product of Polyphenols, Inhibits the Lipopolysaccharide-Induced Inflammatory Response in Mice. Journal of Nutrition, 2009, 139, 291-297.	2.9	34
38	Alcohol-free red wine inhibits isoproterenol-induced cardiac remodeling in rats by the regulation of Akt1 and protein kinase C Î±/Î² II. Journal of Nutritional Biochemistry, 2009, 20, 418-425.	4.2	33
39	PARP inhibition induces Akt-mediated cytoprotective effects through the formation of a mitochondria-targeted phospho-ATM-NEMO-Akt-mTOR signalosome. Biochemical Pharmacology, 2019, 162, 98-108.	4.4	33
40	PARP Inhibitor Protects Against Chronic Hypoxia/Reoxygenation-Induced Retinal Injury by Regulation of MAPKs, HIF1Î±, Nrf2, and NFÎºB. , 2019, 60, 1478.		31
41	Thymic Atrophy and Apoptosis of CD4+CD8+ Thymocytes in the Cuprizone Model of Multiple Sclerosis. PLoS ONE, 2015, 10, e0129217.	2.5	30
42	PARP-Inhibitor Treatment Prevents Hypertension Induced Cardiac Remodeling by Favorable Modulation of Heat Shock Proteins, Akt-1/GSK-3Î² and Several PKC Isoforms. PLoS ONE, 2014, 9, e102148.	2.5	29
43	PACAP ameliorates oxidative stress in the chicken inner ear: An in vitro study. Regulatory Peptides, 2010, 160, 91-98.	1.9	28
44	Orthologous proteins of experimental de- and remyelination are differentially regulated in the CSF proteome of multiple sclerosis subtypes. PLoS ONE, 2018, 13, e0202530.	2.5	28
45	Effects of PACAP on Mitochondrial Apoptotic Pathways and Cytokine Expression in Rats Subjected to Renal Ischemia/Reperfusion. Journal of Molecular Neuroscience, 2010, 42, 411-418.	2.3	26
46	Potentiation of paclitaxel-induced apoptosis by galectin-13 overexpression via activation of Ask-1-p38-MAP kinase and JNK/SAPK pathways and suppression of Akt and ERK1/2 activation in U-937 human macrophage cells. European Journal of Cell Biology, 2009, 88, 753-763.	3.6	25
47	Prevalent role of Akt and ERK activation in cardioprotective effect of Ca2+ channel- and beta-adrenergic receptor blockers. Molecular and Cellular Biochemistry, 2009, 321, 155-164.	3.1	24
48	A quinazoline-derivative compound with PARP inhibitory effect suppresses hypertension-induced vascular alterations in spontaneously hypertensive rats. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 935-944.	3.8	23
49	PACAP Inhibits Oxidative Stress-Induced Activation of MAP Kinase-Dependent Apoptotic Pathway in Cultured Cardiomyocytes. Annals of the New York Academy of Sciences, 2006, 1070, 293-297.	3.8	21
50	Mitochondrial Protection by PARP Inhibition. International Journal of Molecular Sciences, 2020, 21, 2767.	4.1	21
51	Cyclophilin D disruption attenuates lipopolysaccharide-induced inflammatory response in primary mouse macrophages. Biochemistry and Cell Biology, 2015, 93, 241-250.	2.0	19
52	Critical role of bad phosphorylation by Akt in cytostatic resistance of human bladder cancer cells. Anticancer Research, 2009, 29, 159-64.	1.1	19
53	Desethylamiodaroneâ€"A metabolite of amiodaroneâ€"Induces apoptosis on T24 human bladder cancer cells via multiple pathways. PLoS ONE, 2017, 12, e0189470.	2.5	17
54	Effects of PACAP on the Circadian Changes of Signaling Pathways in Chicken Pinealocytes. Journal of Molecular Neuroscience, 2008, 36, 220-6.	2.3	16

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55	Protective effect of the poly(ADP-ribose) polymerase inhibitor PJ34 on mitochondrial depolarization-mediated cell death in hepatocellular carcinoma cells involves attenuation of c-Jun N-terminal kinase-2 and protein kinase B/Akt activation. Molecular Cancer, 2012, 11, 34.	19.2	16
56	PARP Inhibitor PJ34 Protects Mitochondria and Induces DNA-Damage Mediated Apoptosis in Combination With Cisplatin or Temozolomide in B16F10 Melanoma Cells. Frontiers in Physiology, 2019, 10, 538.	2.8	16
57	Dietary trans-10, cis-12 Conjugated Linoleic Acid Reduces Early Glomerular Enlargement and Elevated Renal Cyclooxygenase-2 Levels in Young Obese fa/fa Zucker Rats. Journal of Nutrition, 2009, 139, 285-290.	2.9	15
58	PARP Inhibition Attenuates Acute Kidney Allograft Rejection by Suppressing Cell Death Pathways and Activating PI-3K-Akt Cascade. PLoS ONE, 2013, 8, e81928.	2.5	14
59	BGP-15 Protects against Heart Failure by Enhanced Mitochondrial Biogenesis and Decreased Fibrotic Remodelling in Spontaneously Hypertensive Rats. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-13.	4.0	12
60	Chronic PARP-1 inhibition reduces carotid vessel remodeling and oxidative damage of the dorsal hippocampus in spontaneously hypertensive rats. PLoS ONE, 2017, 12, e0174401.	2.5	12
61	TIP47 confers resistance to taxol-induced cell death by preventing the nuclear translocation of AIF and Endonuclease G. European Journal of Cell Biology, 2010, 89, 853-861.	3.6	10
62	Cyclophilin Dâ€dependent mitochondrial permeability transition amplifies inflammatory reprogramming in endotoxemia. FEBS Open Bio, 2021, 11, 684-704.	2.3	10
63	Induction of mitochondrial destabilization and necrotic cell death by apolar mitochondria-directed SOD mimetics. Mitochondrion, 2011, 11, 476-487.	3.4	9
64	Proteomic changes during experimental de- and remyelination in the corpus callosum. PLoS ONE, 2020, 15, e0230249.	2.5	9
65	Activation of metabotropic glutamate receptors does not alter the phosphorylation state of GluR1 AMPA receptor subunit at serine 845 in perirhinal cortical neurons. Neuroscience Letters, 2004, 372, 132-136.	2.1	8
66	Establishment of mouse-immortalized hybrid clones expressing characteristics of differentiated neurons derived from the cerebellar and brain stem regions. Journal of Neurobiology, 1992, 23, 905-919.	3.6	6
67	Role of Mitochondrial Network Stabilisation by a Human Small Heat Shock Protein in Tumour Malignancy. Journal of Cancer, 2015, 6, 470-476.	2.5	6
68	Amiodaroneâ€™s major metabolite, desethylamiodarone inhibits proliferation of B16-F10 melanoma cells and limits lung metastasis formation in an in vivo experimental model. PLoS ONE, 2020, 15, e0239088.	2.5	4
69	Modulation of Mitochondrial Quality Control Processes by BGP-15 in Oxidative Stress Scenarios: From Cell Culture to Heart Failure. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-22.	4.0	3
70	Involvement of Mitochondrial Mechanisms and Cyclooxygenase-2 Activation in the Effect of Desethylamiodarone on 4T1 Triple-Negative Breast Cancer Line. International Journal of Molecular Sciences, 2022, 23, 1544.	4.1	2
71	Involvement of Mitochondrial Mechanisms in the Cytostatic Effect of Desethylamiodarone in B16F10 Melanoma Cells. International Journal of Molecular Sciences, 2020, 21, 7346.	4.1	1
72	A Novel Concept of Treatment in MS: Targeting Both Oligodendrocyte Death and Inflammatory Processes by Inhibiting Poly(Adp-Ribose) Polymerase. , 2013, , 315-340.		1

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73	Identifying monoaminergic, GABAergic, and cholinergic characteristics in immortalized neuronal cell lines. Neurochemical Research, 1997, 22, 569-575.	3.3	0