

Ljubica Harhaji-Trajkovic

List of Publications by Year in descending order

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44
papers

8,063
citations

186265
28
h-index

243625
44
g-index

44
all docs

44
docs citations

44
times ranked

19916
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	In vitro comparison of the photothermal anticancer activity of graphene nanoparticles and carbon nanotubes. <i>Biomaterials</i> , 2011, 32, 1121-1129.	11.4	510
3	Graphene quantum dots as autophagy-inducing photodynamic agents. <i>Biomaterials</i> , 2012, 33, 7084-7092.	11.4	372
4	Distinct Cytotoxic Mechanisms of Pristine versus Hydroxylated Fullerene. <i>Toxicological Sciences</i> , 2006, 91, 173-183.	3.1	264
5	Coordinated time-dependent modulation of AMPK/Akt/mTOR signaling and autophagy controls osteogenic differentiation of human mesenchymal stem cells. <i>Bone</i> , 2013, 52, 524-531.	2.9	222
6	Compound C induces protective autophagy in cancer cells through AMPK inhibition-independent blockade of Akt/mTOR pathway. <i>Autophagy</i> , 2011, 7, 40-50.	9.1	214
7	Dual antiglioma action of metformin: cell cycle arrest and mitochondria-dependent apoptosis. <i>Cellular and Molecular Life Sciences</i> , 2007, 64, 1290-1302.	5.4	181
8	AMPK-mediated autophagy inhibits apoptosis in cisplatin-treated tumour cells. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 3644-3654.	3.6	171
9	The mechanism of cell-damaging reactive oxygen generation by colloidal fullerenes. <i>Biomaterials</i> , 2007, 28, 5437-5448.	11.4	112
10	The protective role of AMP-activated protein kinase in alpha-synuclein neurotoxicity in vitro. <i>Neurobiology of Disease</i> , 2014, 63, 1-11.	4.4	97
11	Metformin reduces cisplatin-mediated apoptotic death of cancer cells through AMPK-independent activation of Akt. <i>European Journal of Pharmacology</i> , 2011, 651, 41-50.	3.5	94
12	In vitro and in vivo anti-melanoma action of metformin. <i>European Journal of Pharmacology</i> , 2011, 668, 373-382.	3.5	91
13	Anti-glioma action of aloe emodin: the role of ERK inhibition. <i>Cellular and Molecular Life Sciences</i> , 2005, 62, 589-598.	5.4	85
14	Astrocyte-induced regulatory T cells mitigate CNS autoimmunity. <i>Glia</i> , 2004, 47, 168-179.	4.9	73
15	Autophagy inhibition uncovers the neurotoxic action of the antipsychotic drug olanzapine. <i>Autophagy</i> , 2014, 10, 2362-2378.	9.1	66
16	Inactivation of nanocrystalline C60 cytotoxicity by β -irradiation. <i>Biomaterials</i> , 2006, 27, 5049-5058.	11.4	64
17	Chloroquine-Mediated Lysosomal Dysfunction Enhances the Anticancer Effect of Nutrient Deprivation. <i>Pharmaceutical Research</i> , 2012, 29, 2249-2263.	3.5	60
18	Inhibition of mTOR-Dependent Autophagy Sensitizes Leukemic Cells to Cytarabine-Induced Apoptotic Death. <i>PLoS ONE</i> , 2014, 9, e94374.	2.5	58

#	ARTICLE	IF	CITATIONS
19	AMP-activated protein kinase-dependent and -independent mechanisms underlying in vitro antiglioma action of compound C. <i>Biochemical Pharmacology</i> , 2009, 77, 1684-1693.	4.4	57
20	Inhibition of AMPK-dependent autophagy enhances in vitro antiglioma effect of simvastatin. <i>Pharmacological Research</i> , 2012, 65, 111-119.	7.1	53
21	Autophagy-dependent and -independent involvement of AMP-activated protein kinase in 6-hydroxydopamine toxicity to SH-SY5Y neuroblastoma cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012, 1822, 1826-1836.	3.8	46
22	Opposite effects of nanocrystalline fullerene (C60) on tumour cell growth in vitro and in vivo and a possible role of immunosuppression in the cancer-promoting activity of C60. <i>Biomaterials</i> , 2009, 30, 6940-6946.	11.4	42
23	Changes in fractal dimension and lacunarity as early markers of UV-induced apoptosis. <i>Journal of Theoretical Biology</i> , 2012, 303, 87-92.	1.7	41
24	The antitumor properties of a nontoxic, nitric oxide-modified version of saquinavir are independent of Akt. <i>Molecular Cancer Therapeutics</i> , 2009, 8, 1169-1178.	4.1	38
25	Mechanisms and therapeutic significance of autophagy modulation by antipsychotic drugs. <i>Cell Stress</i> , 2018, 2, 282-291.	3.2	38
26	Idarubicin induces mTOR-dependent cytotoxic autophagy in leukemic cells. <i>Experimental Cell Research</i> , 2014, 326, 90-102.	2.6	33
27	Antiglioma action of xanthenes from <i>Gentiana kochiana</i> : Mechanistic and structure-activity requirements. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 5683-5694.	3.0	29
28	Synthesis, characterization and cytotoxicity of a new palladium(II) complex with a coumarine-derived ligand. <i>European Journal of Medicinal Chemistry</i> , 2014, 74, 502-508.	5.5	29
29	Iron down-regulates macrophage anti-tumour activity by blocking nitric oxide production. <i>Clinical and Experimental Immunology</i> , 2004, 137, 109-116.	2.6	26
30	Iron protects astrocytes from 6-hydroxydopamine toxicity. <i>Neuropharmacology</i> , 2005, 48, 720-731.	4.1	26
31	Arylpiperazine-mediated activation of Akt protects SH-SY5Y neuroblastoma cells from 6-hydroxydopamine-induced apoptotic and autophagic death. <i>Neuropharmacology</i> , 2013, 72, 224-235.	4.1	17
32	Coordinated activation of AMP-activated protein kinase, extracellular signal-regulated kinase, and autophagy regulates phorbol myristate acetate-induced differentiation of SH-SY5Y neuroblastoma cells. <i>Journal of Neurochemistry</i> , 2015, 133, 223-232.	3.9	16
33	AMP-activated protein kinase inhibits MPP ⁺ -induced oxidative stress and apoptotic death of SH-SY5Y cells through sequential stimulation of Akt and autophagy. <i>European Journal of Pharmacology</i> , 2019, 863, 172677.	3.5	16
34	Synergistic Anticancer Action of Lysosomal Membrane Permeabilization and Glycolysis Inhibition. <i>Journal of Biological Chemistry</i> , 2016, 291, 22936-22948.	3.4	14
35	In vitro antiglioma action of indomethacin is mediated via AMP-activated protein kinase/mTOR complex 1 signalling pathway. <i>International Journal of Biochemistry and Cell Biology</i> , 2017, 83, 84-96.	2.8	14
36	Xanthone-rich extract from <i>Gentiana dinarica</i> transformed roots and its active component norswertianin induce autophagy and ROS-dependent differentiation of human glioblastoma cell line. <i>Phytomedicine</i> , 2018, 47, 151-160.	5.3	14

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37	c-Jun N-terminal kinase-dependent apoptotic photocytotoxicity of solvent exchange-prepared curcumin nanoparticles. <i>Biomedical Microdevices</i> , 2016, 18, 37.	2.8	13
38	Modulation of Cancer Cell Autophagic Responses by Graphene-Based Nanomaterials: Molecular Mechanisms and Therapeutic Implications. <i>Cancers</i> , 2021, 13, 4145.	3.7	13
39	3-Methyladenine prevents energy stress-induced necrotic death of melanoma cells through autophagy-independent mechanisms. <i>Journal of Pharmacological Sciences</i> , 2021, 147, 156-167.	2.5	12
40	MAP kinase-dependent autophagy controls phorbol myristate acetate-induced macrophage differentiation of HL-60 leukemia cells. <i>Life Sciences</i> , 2022, 297, 120481.	4.3	10
41	Combination of Ascorbic Acid and Menadione Induces Cytotoxic Autophagy in Human Glioblastoma Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-18.	4.0	9
42	Graphene quantum dot antioxidant and proautophagic actions protect SH-SY5Y neuroblastoma cells from oxidative stress-mediated apoptotic death. <i>Free Radical Biology and Medicine</i> , 2021, 177, 167-180.	2.9	8
43	Arylpiperazine Dopaminergic Ligands Protect Neuroblastoma Cells from Nitric Oxide (NO)-Induced Mitochondrial Damage and Apoptosis. <i>ChemMedChem</i> , 2012, 7, 495-508.	3.2	7
44	Dual targeting of tumor cell energy metabolism and lysosomes as an anticancer strategy. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021, 1868, 118944.	4.1	7