

Beata Pajak

List of Publications by Year in descending order

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56
papers

6,028
citations

394421

19
h-index

161849

54
g-index

57
all docs

57
docs citations

57
times ranked

15619
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	2-Deoxy-d-Glucose and Its Analogs: From Diagnostic to Therapeutic Agents. <i>International Journal of Molecular Sciences</i> , 2020, 21, 234.	4.1	257
3	Calcium Homeostasis and ER Stress in Control of Autophagy in Cancer Cells. <i>BioMed Research International</i> , 2015, 2015, 1-12.	1.9	162
4	Molecular basis of parthenolide-dependent proapoptotic activity in cancer cells.. <i>Folia Histochemica Et Cytobiologica</i> , 2008, 46, 129-35.	1.5	72
5	Extracellular β -Synuclein Leads to Microtubule Destabilization via GSK-3 β -Dependent Tau Phosphorylation in PC12 Cells. <i>PLoS ONE</i> , 2014, 9, e94259.	2.5	62
6	Molecular basis of sodium butyrate-dependent proapoptotic activity in cancer cells. <i>Advances in Medical Sciences</i> , 2007, 52, 83-8.	2.1	62
7	The Many Faces of Rap1 GTPase. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2848.	4.1	61
8	The effect of silver nanoparticles (AgNPs) on proliferation and apoptosis of in ovo cultured glioblastoma multiforme (GBM) cells. <i>Nanoscale Research Letters</i> , 2015, 10, 98.	5.7	54
9	Organic cation/carnitine transporter OCTN3 is present in astrocytes and is up-regulated by peroxisome proliferators-activator receptor agonist. <i>International Journal of Biochemistry and Cell Biology</i> , 2009, 41, 2599-2609.	2.8	36
10	Crossroads of cytokine signaling--the chase to stop muscle cachexia. <i>Journal of Physiology and Pharmacology</i> , 2008, 59 Suppl 9, 251-64.	1.1	33
11	<p></p>Polyphenol-Conjugated Bimetallic Au@AgNPs for Improved Wound Healing</p>.</p> <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 4969-4990.	6.7	32
12	FOXO1 and GSK-3 β Are Main Targets of Insulin-Mediated Myogenesis in C2C12 Muscle Cells. <i>PLoS ONE</i> , 2016, 11, e0146726.	2.5	27
13	Sodium butyrate sensitizes human colon adenocarcinoma COLO 205 cells to both intrinsic and TNF- β -dependent extrinsic apoptosis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2009, 14, 203-217.	4.9	25
14	Verapamil treatment induces cytoprotective autophagy by modulating cellular metabolism. <i>FEBS Journal</i> , 2017, 284, 1370-1387.	4.7	25
15	TNF- α and IFN- γ -Dependent Muscle Decay Is Linked to NF- κ B- and STAT-1 β -Stimulated <i>Atrogin 1</i> and <i>MuRF1</i> Genes in C2C12 Myotubes. <i>Mediators of Inflammation</i> , 2013, 2013, 1-16.	3.0	24
16	Killing Me Softly: Connotations to Unfolded Protein Response and Oxidative Stress in Alzheimer's Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-17.	4.0	24
17	Targeting the JAK2/STAT3 Pathway"Can We Compare It to the Two Faces of the God Janus?. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8261.	4.1	24
18	The Mutual Interactions between Mesenchymal Stem Cells and Myoblasts in an Autologous Co-Culture Model. <i>PLoS ONE</i> , 2016, 11, e0161693.	2.5	23

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19	A novel cytometric approach to study intestinal mucosa rebuilding in weaned pigs fed with dietary nucleotides. <i>Livestock Science</i> , 2009, 123, 215-220.	1.6	22
20	Bisindolylmaleimides in anti-cancer therapy - more than PKC inhibitors. <i>Advances in Medical Sciences</i> , 2008, 53, 21-31.	2.1	20
21	Preserved cardiomyocyte function and altered desmin pattern in transgenic mouse model of dilated cardiomyopathy. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 52, 978-987.	1.9	20
22	Leptin impairs myogenesis in C2C12 cells through JAK/STAT and MEK signaling pathways. <i>Cytokine</i> , 2013, 61, 445-454.	3.2	20
23	Geranylgeraniol Prevents Statin-Dependent Myotoxicity in C2C12 Muscle Cells through RAP1 GTPase Prenylation and Cytoprotective Autophagy. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-22.	4.0	20
24	Alzheimer's disease genetic mutation evokes ultrastructural alterations: Correlation to an intracellular A β 2 deposition and the level of GSK-3 β -P(Y216) phosphorylated form. <i>NeuroToxicology</i> , 2009, 30, 581-588.	3.0	19
25	Ultrastructural evidence of amyloid beta-induced autophagy in PC12 cells. <i>Folia Neuropathologica</i> , 2009, 47, 252-8.	1.2	16
26	Verapamil-induced autophagy-like process in colon adenocarcinoma COLO 205 cells; the ultrastructural studies. <i>Pharmacological Reports</i> , 2012, 64, 991-996.	3.3	14
27	Narrow time window of metabolic changes associated with transition to overt heart failure in Tgag*44 mice. <i>Pharmacological Reports</i> , 2016, 68, 707-714.	3.3	13
28	Ethylenediaminetetraacetic acid affects subcellular expression of clusterin protein in human colon adenocarcinoma COLO 205 cell line. <i>Anti-Cancer Drugs</i> , 2007, 18, 55-63.	1.4	11
29	Rapid Differentiation of Mixed Influenza A/H1N1 Virus Infections with Seasonal and Pandemic Variants by Multitemperature Single-Stranded Conformational Polymorphism Analysis. <i>Journal of Clinical Microbiology</i> , 2011, 49, 2216-2221.	3.9	11
30	Rapid detection of highly pathogenic A(H7N7) avian influenza virus genetic markers in heterogenic samples utilizing on-chip SSCP-CE method. <i>Sensors and Actuators B: Chemical</i> , 2016, 236, 926-936.	7.8	11
31	Bisindolylmaleimide IX facilitates extrinsic and initiates intrinsic apoptosis in TNF- α -resistant human colon adenocarcinoma COLO 205 cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2008, 13, 509-522.	4.9	10
32	Impaired growth hormone-releasing hormone neurons ultrastructure and peptide accumulation in the arcuate nucleus of mosaic mice with altered copper metabolism. <i>Brain Research Bulletin</i> , 2009, 80, 128-132.	3.0	10
33	Opposite effects of two different strains of equine herpesvirus 1 infection on cytoskeleton composition in equine dermal ED and African green monkey kidney Vero cell lines: application of scanning cytometry and confocal-microscopy-based image analysis in a quantitative study. <i>Archives of Virology</i> , 2010, 155, 733-743.	2.1	8
34	Nucleofection of Rat Pheochromocytoma PC-12 Cells with Human Mutated Beta-Amyloid Precursor Protein Gene (<i>APP-sw</i>) Leads to Reduced Viability, Autophagy-Like Process, and Increased Expression and Secretion of Beta Amyloid. <i>BioMed Research International</i> , 2015, 2015, 1-10.	1.9	8
35	Diverse Action of Selected Statins on Skeletal Muscle Cells – An Attempt to Explain the Protective Effect of Geranylgeraniol (GGOH) in Statin-Associated Myopathy (SAM). <i>Journal of Clinical Medicine</i> , 2019, 8, 694.	2.4	8
36	Lipid rafts mediate epigallocatechin-3-gallate- and green tea extract-dependent viability of human colon adenocarcinoma COLO 205 cells; clusterin affects lipid rafts-associated signaling pathways. <i>Journal of Physiology and Pharmacology</i> , 2011, 62, 449-59.	1.1	8

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37	Chapter 4 Regulation of Clusterin Activity by Calcium. <i>Advances in Cancer Research</i> , 2009, 104, 33-58.	5.0	7
38	Sensitive methods for detection of the S768R substitution in exon 18 of the DDR2 gene in patients with central nervous system metastases of non-small cell lung cancer. <i>Medical Oncology</i> , 2014, 31, 176.	2.5	7
39	Genetic Diversity of SCN5A Gene and Its Possible Association with the Concealed Form of Brugada Syndrome Development in Polish Group of Patients. <i>BioMed Research International</i> , 2014, 2014, 1-13.	1.9	7
40	Synergistic Anticancer Effect of Glycolysis and Histone Deacetylases Inhibitors in a Glioblastoma Model. <i>Biomedicines</i> , 2021, 9, 1749.	3.2	7
41	Looking for the Holy Grail – Drug Candidates for Glioblastoma Multiforme Chemotherapy. <i>Biomedicines</i> , 2022, 10, 1001.	3.2	7
42	Sensitive methods for the detection of an insertion in exon 20 of the HER2 gene in the metastasis of non-small cell lung cancer to the central nervous system. <i>Oncology Letters</i> , 2013, 6, 1063-1067.	1.8	5
43	Newly identified protein Imi1 affects mitochondrial integrity and glutathione homeostasis in <i>Saccharomyces cerevisiae</i> . <i>FEMS Yeast Research</i> , 2015, 15, fov048.	2.3	5
44	Experimental and Computational Studies on Structure and Energetic Properties of Halogen Derivatives of 2-Deoxy-D-Glucose. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3720.	4.1	5
45	Genetic diversity of hemagglutinin gene of A(H1N1)pdm09 influenza strains isolated in Taiwan and its potential impact on HA-neutralizing epitope interaction. <i>Human Vaccines and Immunotherapeutics</i> , 2014, 10, 577-585.	3.3	4
46	Control of Autophagy in Cancer. <i>BioMed Research International</i> , 2015, 2015, 1-2.	1.9	4
47	X-ray wavefunction refinement and comprehensive structural studies on bromo-substituted analogues of 2-deoxy-D-glucose in solid state and solution. <i>RSC Advances</i> , 2022, 12, 8345-8360.	3.6	3
48	Abundance of some skeletal muscle mitochondrial proteins is associated with increased blood serum insulin in bovine fetuses. <i>Research in Veterinary Science</i> , 2010, 89, 445-450.	1.9	2
49	Cholesterol level determines viability and mitogenicity, but it does not affect sodium butyrate-dependent sensitization of Colo 205 cells to TNF- α -induced apoptosis. <i>Oncology Reports</i> , 2011, 25, 573-82.	2.6	2
50	Analysis of Coinfections with A/H1N1 Strain Variants among Pigs in Poland by Multitemperature Single-Strand Conformational Polymorphism. <i>BioMed Research International</i> , 2015, 2015, 1-9.	1.9	2
51	Portable CGE-SSCP Lab-in-a-suitcase Instrument for Rapid Determination of Pathogenicity of Avian Influenza Virus. <i>Procedia Engineering</i> , 2015, 120, 695-698.	1.2	2
52	Preliminary Study on Clusterin Protein (sCLU) Expression in PC-12 Cells Overexpressing Wild-Type and Mutated (Swedish) A β PP genes Affected by Non-Steroid Isoprenoids and Water-Soluble Cholesterol. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1481.	4.1	2
53	Lipid rafts in anticancer therapy: Theory and practice (Review). <i>Molecular Medicine Reports</i> , 2008, 1, 167-72.	2.4	2
54	Native nucleic acid electrophoresis as an efficient alternative for genotyping method of influenza virus. <i>Acta Biochimica Polonica</i> , 2014, 61, 479-83.	0.5	2

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55	Acute respiratory distress syndrome (ARDS) in the course of influenza A/H1N1v infection--genetic aspects. <i>Annals of Agricultural and Environmental Medicine</i> , 2013, 20, 711-4.	1.0	0
56	Ultrasensitive analysis of genetic instability related to chemical exposure. <i>Journal of Applied Genetics</i> , 2022, 63, 305-313.	1.9	0