

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	X-ray wavefunction refinement and comprehensive structural studies on bromo-substituted analogues of 2-deoxy- α -D-glucose in solid state and solution. RSC Advances, 2022, 12, 8345-8360.	3.6	3
2	Ultrasensitive analysis of genetic instability related to chemical exposure. Journal of Applied Genetics, 2022, 63, 305-313.	1.9	0
3	Looking for the Holy Grail—Drug Candidates for Glioblastoma Multiforme Chemotherapy. Biomedicines, 2022, 10, 1001.	3.2	7
4	Experimental and Computational Studies on Structure and Energetic Properties of Halogen Derivatives of 2-Deoxy-D-Glucose. International Journal of Molecular Sciences, 2021, 22, 3720.	4.1	5
5	Synergistic Anticancer Effect of Glycolysis and Histone Deacetylases Inhibitors in a Glioblastoma Model. Biomedicines, 2021, 9, 1749.	3.2	7
6	2-Deoxy-d-Glucose and Its Analogs: From Diagnostic to Therapeutic Agents. International Journal of Molecular Sciences, 2020, 21, 234.	4.1	257
7	<p>Polyphenol-Conjugated Bimetallic Au@AgNPs for Improved Wound Healing</p>. International Journal of Nanomedicine, 2020, Volume 15, 4969-4990.	6.7	32
8	Targeting the JAK2/STAT3 Pathway—Can We Compare It to the Two Faces of the God Janus?. International Journal of Molecular Sciences, 2020, 21, 8261.	4.1	24
9	Diverse Action of Selected Statins on Skeletal Muscle Cells—An Attempt to Explain the Protective Effect of Geranylgeraniol (GGOH) in Statin-Associated Myopathy (SAM). Journal of Clinical Medicine, 2019, 8, 694.	2.4	8
10	Preliminary Study on Clusterin Protein (sCLU) Expression in PC-12 Cells Overexpressing Wild-Type and Mutated (Swedish) $A\beta$ PP genes Affected by Non-Steroid Isoprenoids and Water-Soluble Cholesterol. International Journal of Molecular Sciences, 2019, 20, 1481.	4.1	2
11	The Many Faces of Rap1 GTPase. International Journal of Molecular Sciences, 2018, 19, 2848.	4.1	61
12	Geranylgeraniol Prevents Statin-Dependent Myotoxicity in C2C12 Muscle Cells through RAP1 GTPase Prenylation and Cytoprotective Autophagy. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-22.	4.0	20
13	Verapamil treatment induces cytoprotective autophagy by modulating cellular metabolism. FEBS Journal, 2017, 284, 1370-1387.	4.7	25
14	The Mutual Interactions between Mesenchymal Stem Cells and Myoblasts in an Autologous Co-Culture Model. PLoS ONE, 2016, 11, e0161693.	2.5	23
15	Killing Me Softly: Connotations to Unfolded Protein Response and Oxidative Stress in Alzheimer's Disease. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-17.	4.0	24
16	Rapid detection of highly pathogenic A(H7N7) avian influenza virus genetic markers in heterogenic samples utilizing on-chip SSCP-CE method. Sensors and Actuators B: Chemical, 2016, 236, 926-936.	7.8	11
17	Narrow time window of metabolic changes associated with transition to overt heart failure in Tgaq ⁴⁴ mice. Pharmacological Reports, 2016, 68, 707-714.	3.3	13
18	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701

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19	FOXO1 and GSK-3 ^β Are Main Targets of Insulin-Mediated Myogenesis in C2C12 Muscle Cells. PLoS ONE, 2016, 11, e0146726.	2.5	27
20	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. BioMed Research International, 2015, 2015, 1-10.	1.9	8
21	Calcium Homeostasis and ER Stress in Control of Autophagy in Cancer Cells. BioMed Research International, 2015, 2015, 1-12.	1.9	162
22	Analysis of Coinfections with A/H1N1 Strain Variants among Pigs in Poland by Multitemperature Single-Strand Conformational Polymorphism. BioMed Research International, 2015, 2015, 1-9.	1.9	2
23	Control of Autophagy in Cancer. BioMed Research International, 2015, 2015, 1-2.	1.9	4
24	Newly identified protein Iml1 affects mitochondrial integrity and glutathione homeostasis in <i>Saccharomyces cerevisiae</i> . FEMS Yeast Research, 2015, 15, fov048.	2.3	5
25	The effect of silver nanoparticles (AgNPs) on proliferation and apoptosis of in ovo cultured glioblastoma multiforme (GBM) cells. Nanoscale Research Letters, 2015, 10, 98.	5.7	54
26	Portable CGE-SSCP Lab-in-a-suitcase Instrument for Rapid Determination of Pathogenicity of Avian Influenza Virus. Procedia Engineering, 2015, 120, 695-698.	1.2	2
27	Extracellular τ -Synuclein Leads to Microtubule Destabilization via GSK-3 ^β -Dependent Tau Phosphorylation in PC12 Cells. PLoS ONE, 2014, 9, e94259.	2.5	62
28	Genetic diversity of hemagglutinin gene of A(H1N1)pdm09 influenza strains isolated in Taiwan and its potential impact on HA-neutralizing epitope interaction. Human Vaccines and Immunotherapeutics, 2014, 10, 577-585.	3.3	4
29	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. Medical Oncology, 2014, 31, 176.	2.5	7
30	Genetic Diversity of SCN5A Gene and Its Possible Association with the Concealed Form of Brugada Syndrome Development in Polish Group of Patients. BioMed Research International, 2014, 2014, 1-13.	1.9	7
31	Native nucleic acid electrophoresis as an efficient alternative for genotyping method of influenza virus. Acta Biochimica Polonica, 2014, 61, 479-83.	0.5	2
32	Leptin impairs myogenesis in C2C12 cells through JAK/STAT and MEK signaling pathways. Cytokine, 2013, 61, 445-454.	3.2	20
33	TNF- α and IFN- γ -Dependent Muscle Decay Is Linked to NF- κ B- and STAT-1- β -Stimulated <i>Atrogin1</i> and <i>MuRF1</i> Genes in C2C12 Myotubes. Mediators of Inflammation, 2013, 2013, 1-10.	3.0	24
34	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. Oncology Letters, 2013, 6, 1063-1067.	1.8	5
35	Acute respiratory distress syndrome (ARDS) in the course of influenza A/H1N1v infection--genetic aspects. Annals of Agricultural and Environmental Medicine, 2013, 20, 711-4.	1.0	0
36	Preserved cardiomyocyte function and altered desmin pattern in transgenic mouse model of dilated cardiomyopathy. Journal of Molecular and Cellular Cardiology, 2012, 52, 978-987.	1.9	20

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37	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
38	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
39	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
40	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
41	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
42	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
43	Sodium butyrate sensitizes human colon adenocarcinoma COLO 205 cells to both intrinsic and TNF- α -dependent extrinsic apoptosis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2009, 14, 203-217.	4.9	25
44	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
45	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
46	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
47	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
48	Chapter 4 Regulation of Clusterin Activity by Calcium. <i>Advances in Cancer Research</i> , 2009, 104, 33-58.	5.0	7
49	Ultrastructural evidence of amyloid beta-induced autophagy in PC12 cells. <i>Folia Neuropathologica</i> , 2009, 47, 252-8.	1.2	16
50	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
51	Bisindolylmaleimides in anti-cancer therapy - more than PKC inhibitors. <i>Advances in Medical Sciences</i> , 2008, 53, 21-31.	2.1	20
52	Molecular basis of parthenolide-dependent proapoptotic activity in cancer cells.. <i>Folia Histochemica Et Cytobiologica</i> , 2008, 46, 129-35.	1.5	72
53	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
54	Lipid rafts in anticancer therapy: Theory and practice (Review). <i>Molecular Medicine Reports</i> , 2008, 1, 167-72.	2.4	2

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55	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
56	Molecular basis of sodium butyrate-dependent proapoptotic activity in cancer cells. <i>Advances in Medical Sciences</i> , 2007, 52, 83-8.	2.1	62