

Anna Herman-Antosiewicz

List of Publications by Year in descending order

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64
papers

4,458
citations

236612

25
h-index

110170

64
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67
all docs

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docs citations

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times ranked

5639
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50,742 1,430	4.3	10
2	Sulforaphane-induced Cell Death in Human Prostate Cancer Cells Is Initiated by Reactive Oxygen Species. <i>Journal of Biological Chemistry</i> , 2005, 280, 19911-19924.	1.6	321
3	Sulforaphane-induced G2/M Phase Cell Cycle Arrest Involves Checkpoint Kinase 2-mediated Phosphorylation of Cell Division Cycle 25C. <i>Journal of Biological Chemistry</i> , 2004, 279, 25813-25822.	1.6	317
4	Sulforaphane Causes Autophagy to Inhibit Release of Cytochrome c and Apoptosis in Human Prostate Cancer Cells. <i>Cancer Research</i> , 2006, 66, 5828-5835.	0.4	274
5	Diallyl trisulfide-induced G2 phase cell cycle arrest in human prostate cancer cells is caused by reactive oxygen species-dependent destruction and hyperphosphorylation of Cdc25C. <i>Oncogene</i> , 2005, 24, 6256-6268.	2.6	181
6	c-Jun NH2-Terminal Kinase Signaling Axis Regulates Diallyl Trisulfide-Induced Generation of Reactive Oxygen Species and Cell Cycle Arrest in Human Prostate Cancer Cells. <i>Cancer Research</i> , 2006, 66, 5379-5386.	0.4	145
7	Signal transduction pathways leading to cell cycle arrest and apoptosis induction in cancer cells by Allium vegetable-derived organosulfur compounds: a review. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2004, 555, 121-131.	0.4	144
8	D,L-Sulforaphane-induced cell death in human prostate cancer cells is regulated by inhibitor of apoptosis family proteins and Apaf-1. <i>Carcinogenesis</i> , 2007, 28, 151-162.	1.3	115
9	Molecular targets of cancer chemoprevention by garlic-derived organosulfides. <i>Acta Pharmacologica Sinica</i> , 2007, 28, 1355-1364.	2.8	101
10	Cellular Responses to Cancer Chemopreventive Agent D,L-Sulforaphane in Human Prostate Cancer Cells Are Initiated by Mitochondrial Reactive Oxygen Species. <i>Pharmaceutical Research</i> , 2009, 26, 1729-1738.	1.7	92
11	Checkpoint Kinase 1 Regulates Diallyl Trisulfide-induced Mitotic Arrest in Human Prostate Cancer Cells. <i>Journal of Biological Chemistry</i> , 2005, 280, 28519-28528.	1.6	91
12	Tumor necrosis factor- α -induced reactive oxygen species formation is mediated by JNK1-dependent ferritin degradation and elevation of labile iron pool. <i>Free Radical Biology and Medicine</i> , 2007, 43, 265-270.	1.3	89
13	Diallyl Trisulfide Inhibits Angiogenic Features of Human Umbilical Vein Endothelial Cells by Causing Akt Inactivation and Down-Regulation of VEGF and VEGF-R2. <i>Nutrition and Cancer</i> , 2006, 55, 94-107.	0.9	82
14	Sulforaphane inhibits growth of phenotypically different breast cancer cells. <i>European Journal of Nutrition</i> , 2013, 52, 1949-1958.	1.8	73
15	Induction of p21 protein protects against sulforaphane-induced mitotic arrest in LNCaP human prostate cancer cell line. <i>Molecular Cancer Therapeutics</i> , 2007, 6, 1673-1681.	1.9	61
16	Activation of a novel ataxia-telangiectasia mutated and Rad3 related/checkpoint kinase 1-dependent prometaphase checkpoint in cancer cells by diallyl trisulfide, a promising cancer chemopreventive constituent of processed garlic. <i>Molecular Cancer Therapeutics</i> , 2007, 6, 1249-1261.	1.9	52
17	Isothiocyanates as effective agents against enterohemorrhagic <i>Escherichia coli</i> : insight to the mode of action. <i>Scientific Reports</i> , 2016, 6, 22263.	1.6	52
18	Sulforaphane, a cruciferous vegetable-derived isothiocyanate, inhibits protein synthesis in human prostate cancer cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2012, 1823, 1295-1305.	1.9	50

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19	Sensitization of estrogen receptor-positive breast cancer cell lines to 4-hydroxytamoxifen by isothiocyanates present in cruciferous plants. <i>European Journal of Nutrition</i> , 2016, 55, 1165-1180.	1.8	46
20	The cell surface protein Ag43 facilitates phage infection of <i>Escherichia coli</i> in the presence of bile salts and carbohydrates. <i>Microbiology (United Kingdom)</i> , 2002, 148, 1533-1542.	0.7	38
21	Sulforaphane, an isothiocyanate present in radish plants, inhibits proliferation of human breast cancer cells. <i>Phytomedicine</i> , 2017, 29, 1-10.	2.3	37
22	Iron Metabolism of the Skeletal Muscle and Neurodegeneration. <i>Frontiers in Neuroscience</i> , 2019, 13, 165.	1.4	35
23	P66Shc mediated ferritin degradation – A novel mechanism of ROS formation. <i>Free Radical Biology and Medicine</i> , 2011, 51, 658-663.	1.3	29
24	Diallyl Trisulfide-Induced G2/M Phase Cell Cycle Arrest in DU145 Cells Is Associated with Delayed Nuclear Translocation of Cyclin-Dependent Kinase 1. <i>Pharmaceutical Research</i> , 2010, 27, 1072-1079.	1.7	28
25	Synthesis of Usnic Acid Derivatives and Evaluation of Their Antiproliferative Activity against Cancer Cells. <i>Journal of Natural Products</i> , 2019, 82, 1768-1778.	1.5	27
26	Mechanism of selective anticancer activity of isothiocyanates relies on differences in DNA damage repair between cancer and healthy cells. <i>European Journal of Nutrition</i> , 2020, 59, 1421-1432.	1.8	25
27	Phenethyl Isothiocyanate Inhibits Shiga Toxin Production in Enterohemorrhagic <i>Escherichia coli</i> by Stringent Response Induction. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 2304-2315.	1.4	24
28	Selective inhibition of cancer cells' proliferation by compounds included in extracts from Baltic Sea cyanobacteria. <i>Toxicon</i> , 2015, 108, 1-10.	0.8	24
29	Various modes of action of dietary phytochemicals, sulforaphane and phenethyl isothiocyanate, on pathogenic bacteria. <i>Scientific Reports</i> , 2019, 9, 13677.	1.6	24
30	Diallyl trisulfide-induced prostate cancer cell death is associated with Akt/PKB dephosphorylation mediated by P-p66shc. <i>European Journal of Nutrition</i> , 2012, 51, 817-825.	1.8	23
31	Replication and Maintenance of λ Plasmids Devoid of the Cro Repressor Autoregulatory Loop in <i>Escherichia coli</i> . <i>Plasmid</i> , 1998, 40, 113-125.	0.4	22
32	Antibacterial and anticancer activities of acetone extracts from in vitro cultured lichen-forming fungi. <i>BMC Complementary and Alternative Medicine</i> , 2017, 17, 300.	3.7	22
33	Sensitization of HER2 Positive Breast Cancer Cells to Lapatinib Using Plants-Derived Isothiocyanates. <i>Nutrition and Cancer</i> , 2015, 67, 976-986.	0.9	21
34	Combination of lapatinib with isothiocyanates overcomes drug resistance and inhibits migration of HER2 positive breast cancer cells. <i>Breast Cancer</i> , 2017, 24, 271-280.	1.3	21
35	Regulation of the switch from early to late bacteriophage λ DNA replication. <i>Microbiology (United Kingdom)</i> 157 1078-1084	0.7	21
36	Polyadenylation of oop RNA in the regulation of bacteriophage λ development. <i>Gene</i> , 1998, 212, 57-65.	1.0	20

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37	The double mechanism of incompatibility between λ plasmids and Escherichia coli dnaA(ts) host cells. Microbiology (United Kingdom), 2001, 147, 1923-1928.	0.7	19
38	PrpE, a PPP protein phosphatase from Bacillus subtilis with unusual substrate specificity. Biochemical Journal, 2002, 366, 929-936.	1.7	19
39	Replicating DNA by cell factories: roles of central carbon metabolism and transcription in the control of DNA replication in microbes, and implications for understanding this process in human cells. Microbial Cell Factories, 2013, 12, 55.	1.9	18
40	S6K1 controls autophagosome maturation in autophagy induced by sulforaphane or serum deprivation. European Journal of Cell Biology, 2015, 94, 470-481.	1.6	18
41	DnaA-Mediated Regulation of Phage λ -Derived Replicons in the Absence of pRand Cro Function. Virology, 1998, 249, 98-107.	1.1	17
42	HtrA3 is a cellular partner of cytoskeleton proteins and TCP1 \pm chaperonin. Journal of Proteomics, 2018, 177, 88-111.	1.2	17
43	Influence of the Escherichia coli oxyR gene function on λ prophage maintenance. Archives of Microbiology, 2010, 192, 673-683.	1.0	16
44	Impact of JNK1, JNK2, and ligase Itch on reactive oxygen species formation and survival of prostate cancer cells treated with diallyl trisulfide. European Journal of Nutrition, 2012, 51, 573-581.	1.8	15
45	4-(Methylthio)butyl isothiocyanate inhibits the proliferation of breast cancer cells with different receptor status. Pharmacological Reports, 2017, 69, 1059-1066.	1.5	15
46	Molecular Mechanism of Heat Shock-Provoked Disassembly of the Coliphage λ Replication Complex. Journal of Bacteriology, 1998, 180, 2475-2483.	1.0	14
47	The Isoxazole Derivative of Usnic Acid Induces an ER Stress Response in Breast Cancer Cells That Leads to Paraptosis-like Cell Death. International Journal of Molecular Sciences, 2022, 23, 1802.	1.8	14
48	The C-terminal domain of the Escherichia coli RNA polymerase σ subunit plays a role in the CI-dependent activation of the bacteriophage λ pM promoter. Nucleic Acids Research, 2007, 35, 2311-2320.	6.5	13
49	Cytotoxicity of doxorubicin conjugated with C60 fullerene. Structural and in vitro studies. Structural Chemistry, 2019, 30, 2327-2338.	1.0	10
50	JNK/p66Shc/ITCH Signaling Pathway Mediates Angiotensin II-induced Ferritin Degradation and Labile Iron Pool Increase. Nutrients, 2020, 12, 668.	1.7	9
51	A Plasmid Cloning Vector with Precisely Regulatable Copy Number in Escherichia coli. Molecular Biotechnology, 2001, 17, 193-200.	1.3	8
52	Genetic analysis of bacteriophage λ -dependent antitermination suggests a possible role for the RNA polymerase σ subunit in facilitating specific functions of NusA and NusE. Archives of Microbiology, 2003, 180, 161-168.	1.0	8
53	Imunofanâ€”RDKVYR Peptideâ€”Stimulates Skin Cell Proliferation and Promotes Tissue Repair. Molecules, 2020, 25, 2884.	1.7	8
54	S6K1 Is Indispensable for Stress-Induced Microtubule Acetylation and Autophagic Flux. Cells, 2021, 10, 929.	1.8	7

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55	Replication of λ Plasmid DNA in the Escherichia coli Cell Cycle. Biochemical and Biophysical Research Communications, 1998, 247, 554-557.	1.0	6
56	Regulation of copy number and stability of phage λ derived pTC λ 1 plasmid in the light of the dimer/multimer catastrophe hypothesis. FEMS Microbiology Letters, 1999, 176, 489-493.	0.7	6
57	Homocysteine-induced decrease in HUVEC cells' resistance to oxidative stress is mediated by Akt-dependent changes in iron metabolism. European Journal of Nutrition, 2021, 60, 1619-1631.	1.8	6
58	Influence of Hypoxia on Radiosensitization of Cancer Cells by 5-Bromo-2'-deoxyuridine. International Journal of Molecular Sciences, 2022, 23, 1429.	1.8	6
59	Dietary Isothiocyanates, Sulforaphane and 2-Phenethyl Isothiocyanate, Effectively Impair Vibrio cholerae Virulence. International Journal of Molecular Sciences, 2021, 22, 10187.	1.8	5
60	An Evidence-based Perspective of Allium Sativum (Garlic) for Cancer Patients. Evidence-based Anticancer Complementary and Alternative Medicine, 2011, , 193-223.	0.1	2
61	L1...Sulforaphane reduces the level of exogenous mutated huntingtin protein in normal human fibroblasts. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, A94.1-A94.	0.9	2
62	Functions of lysosomes are impaired during prolonged stress conditions in cells devoid of S6K1/2. Molecular Genetics and Metabolism, 2017, 120, S61.	0.5	1
63	Sulforaphane induces autophagy and reduces the level of mutated huntingtin in human fibroblasts. Molecular Genetics and Metabolism, 2017, 120, S31-S32.	0.5	0
64	Effects of Diet and Exercise on Endocrine Function of Skeletal Muscle. Proceedings (mdpi), 2019, 11, .	0.2	0