Anna Herman-Antosiewicz

List of Publications by Year
in descending order

64 papers	4,458 citations	236612 25 h-index	110170 64 g-index
67 all docs	67 docs citations	67 times ranked	5639 citing authors

#	Article	IF	Citations
1	Influence of Hypoxia on Radiosensitization of Cancer Cells by 5-Bromo-2â€²-deoxyuridine. International Journal of Molecular Sciences, 2022, 23, 1429.	1.8	6
2	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
3	Homocysteine-induced decrease in HUVEC cellsâ€™ resistance to oxidative stress is mediated by Akt-dependent changes in iron metabolism. European Journal of Nutrition, 2021, 60, 1619-1631.	1.8	6
4	S6K1 Is Indispensible for Stress-Induced Microtubule Acetylation and Autophagic Flux. Cells, 2021, 10, 929.	1.8	7
5	Dietary Isothiocyanates, Sulforaphane and 2-Phenethyl Isothiocyanate, Effectively Impair Vibrio cholerae Virulence. International Journal of Molecular Sciences, 2021, 22, 10187.	1.8	5
6	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td (edition	4.3	1,430
7	Mechanism of selective anticancer activity of isothiocyanates relies on differences in DNA damage repair between cancer and healthy cells. European Journal of Nutrition, 2020, 59, 1421-1432.	1.8	25
8	JNK/p66Shc/ITCH Signaling Pathway Mediates Angiotensin II-induced Ferritin Degradation and Labile Iron Pool Increase. Nutrients, 2020, 12, 668.	1.7	9
9	Imunofanâ€”RDKVYR Peptideâ€”Stimulates Skin Cell Proliferation and Promotes Tissue Repair. Molecules, 2020, 25, 2884.	1.7	8
10	Synthesis of Usnic Acid Derivatives and Evaluation of Their Antiproliferative Activity against Cancer Cells. Journal of Natural Products, 2019, 82, 1768-1778.	1.5	27
11	Various modes of action of dietary phytochemicals, sulforaphane and phenethyl isothiocyanate, on pathogenic bacteria. Scientific Reports, 2019, 9, 13677.	1.6	24
12	Cytotoxicity of doxorubicin conjugated with C60 fullerene. Structural and in vitro studies. Structural Chemistry, 2019, 30, 2327-2338.	1.0	10
13	Effects of Diet and Exercise on Endocrine Function of Skeletal Muscle. Proceedings (mdpi), 2019, 11, .	0.2	0
14	Iron Metabolism of the Skeletal Muscle and Neurodegeneration. Frontiers in Neuroscience, 2019, 13, 165.	1.4	35
15	HtrA3 is a cellular partner of cytoskeleton proteins and TCP1Î± chaperonin. Journal of Proteomics, 2018, 177, 88-111.	1.2	17
16	Combination of lapatinib with isothiocyanates overcomes drug resistance and inhibits migration of HER2 positive breast cancer cells. Breast Cancer, 2017, 24, 271-280.	1.3	21
17	4-(Methylthio)butyl isothiocyanate inhibits the proliferation of breast cancer cells with different receptor status. Pharmacological Reports, 2017, 69, 1059-1066.	1.5	15
18	Antibacterial and anticancer activities of acetone extracts from in vitro cultured lichen-forming fungi. BMC Complementary and Alternative Medicine, 2017, 17, 300.	3.7	22

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19	Sulforaphene, an isothiocyanate present in radish plants, inhibits proliferation of human breast cancer cells. Phytomedicine, 2017, 29, 1-10.	2.3	37
20	Sulfpraphane induces autophagy and reduces the level of mutated huntingtin in human fibroblasts. Molecular Genetics and Metabolism, 2017, 120, S31-S32.	0.5	0
21	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
22	Isothiocyanates as effective agents against enterohemorrhagic Escherichia coli: insight to the mode of action. Scientific Reports, 2016, 6, 22263.	1.6	52
23	L12â€…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
24	Sensitization of estrogen receptor-positive breast cancer cell lines to 4-hydroxytamoxifen by isothiocyanates present in cruciferous plants. European Journal of Nutrition, 2016, 55, 1165-1180.	1.8	46
25	S6K1 controls autophagosome maturation in autophagy induced by sulforaphane or serum deprivation. European Journal of Cell Biology, 2015, 94, 470-481.	1.6	18
26	Sensitization of HER2 Positive Breast Cancer Cells to Lapatinib Using Plants-Derived Isothiocyanates. Nutrition and Cancer, 2015, 67, 976-986.	0.9	21
27	Selective inhibition of cancer cells' proliferation by compounds included in extracts from Baltic Sea cyanobacteria. Toxicon, 2015, 108, 1-10.	0.8	24
28	Phenethyl Isothiocyanate Inhibits Shiga Toxin Production in Enterohemorrhagic Escherichia coli by Stringent Response Induction. Antimicrobial Agents and Chemotherapy, 2014, 58, 2304-2315.	1.4	24
29	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
30	Sulforaphane inhibits growth of phenotypically different breast cancer cells. European Journal of Nutrition, 2013, 52, 1949-1958.	1.8	73
31	Diallyl trisulfide-induced prostate cancer cell death is associated with Akt/PKB dephosphorylation mediated by P-p66shc. European Journal of Nutrition, 2012, 51, 817-825.	1.8	23
32	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
33	Sulforaphane, a cruciferous vegetable-derived isothiocyanate, inhibits protein synthesis in human prostate cancer cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2012, 1823, 1295-1305.	1.9	50
34	An Evidence-based Perspective of Allium Sativum (Garlic) for Cancer Patients. Evidence-based Anticancer Complementary and Alternative Medicine, 2011, , 193-223.	0.1	2
35	P66Shc mediated ferritin degradationâ€"A novel mechanism of ROS formation. Free Radical Biology and Medicine, 2011, 51, 658-663.	1.3	29
36	Influence of the Escherichia coli oxyR gene function on Î» prophage maintenance. Archives of Microbiology, 2010, 192, 673-683.	1.0	16

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37	Diallyl Trisulfide-Induced G2/M Phase Cell Cycle Arrest in DU145 Cells Is Associated with Delayed Nuclear Translocation of Cyclin-Dependent Kinase 1. Pharmaceutical Research, 2010, 27, 1072-1079.	1.7	28
38	Cellular Responses to Cancer Chemopreventive Agent D,L-Sulforaphane in Human Prostate Cancer Cells Are Initiated by Mitochondrial Reactive Oxygen Species. Pharmaceutical Research, 2009, 26, 1729-1738.	1.7	92
39	D,L-Sulforaphane-induced cell death in human prostate cancer cells is regulated by inhibitor of apoptosis family proteins and Apaf-1. Carcinogenesis, 2007, 28, 151-162.	1.3	115
40	Activation of a novel ataxia-telangiectasia mutated and Rad3 related/checkpoint kinase 1â€“dependent prometaphase checkpoint in cancer cells by diallyl trisulfide, a promising cancer chemopreventive constituent of processed garlic. Molecular Cancer Therapeutics, 2007, 6, 1249-1261.	1.9	52
41	The C-terminal domain of the Escherichia coli RNA polymerase Â subunit plays a role in the CI-dependent activation of the bacteriophage Â pM promoter. Nucleic Acids Research, 2007, 35, 2311-2320.	6.5	13
42	Induction of p21 protein protects against sulforaphane-induced mitotic arrest in LNCaP human prostate cancer cell line. Molecular Cancer Therapeutics, 2007, 6, 1673-1681.	1.9	61
43	Molecular targets of cancer chemoprevention by garlic-derived organosulfides. Acta Pharmacologica Sinica, 2007, 28, 1355-1364.	2.8	101
44	Tumor necrosis factor-Î±-induced reactive oxygen species formation is mediated by JNK1-dependent ferritin degradation and elevation of labile iron pool. Free Radical Biology and Medicine, 2007, 43, 265-270.	1.3	89
45	Diallyl Trisulfide Inhibits Angiogenic Features of Human Umbilical Vein Endothelial Cells by Causing Akt Inactivation and Down-Regulation of VEGF and VEGF-R2. Nutrition and Cancer, 2006, 55, 94-107.	0.9	82
46	Sulforaphane Causes Autophagy to Inhibit Release of Cytochrome c and Apoptosis in Human Prostate Cancer Cells. Cancer Research, 2006, 66, 5828-5835.	0.4	274
47	c-Jun NH2-Terminal Kinase Signaling Axis Regulates Diallyl Trisulfideâ€“Induced Generation of Reactive Oxygen Species and Cell Cycle Arrest in Human Prostate Cancer Cells. Cancer Research, 2006, 66, 5379-5386.	0.4	145
48	Diallyl trisulfide-induced G2â€“Mâ€‰phase cell cycle arrest in human prostate cancer cells is caused by reactive oxygen species-dependent destruction and hyperphosphorylation of Cdc25C. Oncogene, 2005, 24, 6256-6268.	2.6	181
49	Checkpoint Kinase 1 Regulates Diallyl Trisulfide-induced Mitotic Arrest in Human Prostate Cancer Cells. Journal of Biological Chemistry, 2005, 280, 28519-28528.	1.6	91
50	Sulforaphane-induced Cell Death in Human Prostate Cancer Cells Is Initiated by Reactive Oxygen Species. Journal of Biological Chemistry, 2005, 280, 19911-19924.	1.6	321
51	Signal transduction pathways leading to cell cycle arrest and apoptosis induction in cancer cells by Allium vegetable-derived organosulfur compounds: a review. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2004, 555, 121-131.	0.4	144
52	Sulforaphane-induced G2/M Phase Cell Cycle Arrest Involves Checkpoint Kinase 2-mediated Phosphorylation of Cell Division Cycle 25C. Journal of Biological Chemistry, 2004, 279, 25813-25822.	1.6	317
53	Genetic analysis of bacteriophage ?N-dependent antitermination suggests a possible role for the RNA polymerase ? subunit in facilitating specific functions of NusA and NusE. Archives of Microbiology, 2003, 180, 161-168.	1.0	8
54	PrpE, a PPP protein phosphatase from Bacillus subtilis with unusual substrate specificity. Biochemical Journal, 2002, 366, 929-936.	1.7	19

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55	The cell surface protein Ag43 facilitates phage infection of Escherichia coli in the presence of bile salts and carbohydrates. Microbiology (United Kingdom), 2002, 148, 1533-1542.	0.7	38
56	A Plasmid Cloning Vector with Precisely Regulatable Copy Number in Escherichia coli. Molecular Biotechnology, 2001, 17, 193-200.	1.3	8
57	The double mechanism of incompatibility between Î» plasmids and Escherichia coli dnaA(ts) host cells. Microbiology (United Kingdom), 2001, 147, 1923-1928.	0.7	19
58	Regulation of the switch from early to late bacteriophage Î» DNA replication. Microbiology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.7	21
59	Regulation of copy number and stability of phage ÃŽÂ» derived pTCÃŽÂ»1 plasmid in the light of the dimer/multimer catastrophe hypothesis. FEMS Microbiology Letters, 1999, 176, 489-493.	0.7	6
60	Replication and Maintenance of Î» Plasmids Devoid of the Cro Repressor Autoregulatory Loop inEscherichia coli. Plasmid, 1998, 40, 113-125.	0.4	22
61	DnaA-Mediated Regulation of Phage Î»-Derived Replicons in the Absence ofpRand Cro Function. Virology, 1998, 249, 98-107.	1.1	17
62	Polyadenylation of oop RNA in the regulation of bacteriophage Î» development. Gene, 1998, 212, 57-65.	1.0	20
63	Replication of Î» Plasmid DNA in theEscherichia coliCell Cycle. Biochemical and Biophysical Research Communications, 1998, 247, 554-557.	1.0	6
64	Molecular Mechanism of Heat Shock-Provoked Disassembly of the Coliphage Î» Replication Complex. Journal of Bacteriology, 1998, 180, 2475-2483.	1.0	14