

Wanda Baer-Dubowska

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91
papers

2,137
citations

26
h-index

40
g-index

99
ext. papers

2,462
ext. citations

4.1
avg, IF

5.23
L-index

#	Paper	IF	Citations
91	The Nrf2-ARE signaling pathway: An update on its regulation and possible role in cancer prevention and treatment. <i>Pharmacological Reports</i> , 2017 , 69, 393-402	3.9	145
90	The effect of dietary polyphenols on the epigenetic regulation of gene expression in MCF7 breast cancer cells. <i>Toxicology Letters</i> , 2010 , 192, 119-25	4.4	141
89	Inhibition of human recombinant cytochromes P450 CYP1A1 and CYP1B1 by trans-resveratrol methyl ethers. <i>Molecular Nutrition and Food Research</i> , 2007 , 51, 517-24	5.9	80
88	Epigenetic diagnostics of cancer--the application of DNA methylation markers. <i>Journal of Applied Genetics</i> , 2006 , 47, 365-75	2.5	76
87	Betainin, a beetroot component, induces nuclear factor erythroid-2-related factor 2-mediated expression of detoxifying/antioxidant enzymes in human liver cell lines. <i>British Journal of Nutrition</i> , 2013 , 110, 2138-49	3.6	59
86	The effect of aryl hydrocarbon receptor ligands on the expression of AhR, AhRR, ARNT, Hif1alpha, CYP1A1 and NQO1 genes in rat liver. <i>Toxicology Letters</i> , 2006 , 167, 212-20	4.4	55
85	The effects of tannic acid on cytochrome P450 and phase II enzymes in mouse liver and kidney. <i>Toxicology Letters</i> , 2003 , 143, 209-16	4.4	51
84	Alteration in phase I and II enzyme activities and polycyclic aromatic hydrocarbons-DNA adduct formation by plant phenolics in mouse epidermis. <i>Nutrition and Cancer</i> , 2004 , 48, 70-7	2.8	50
83	Detection of MGMT, RASSF1A, p15INK4B, and p14ARF promoter methylation in circulating tumor-derived DNA of central nervous system cancer patients. <i>Journal of Applied Genetics</i> , 2013 , 54, 335-44	2.5	49
82	The activation of the Nrf2/ARE pathway in HepG2 hepatoma cells by phytochemicals and subsequent modulation of phase II and antioxidant enzyme expression. <i>Journal of Physiology and Biochemistry</i> , 2015 , 71, 227-38	5	48
81	Pharmacoeugenetics: a new approach to predicting individual drug responses and targeting new drugs. <i>Pharmacological Reports</i> , 2011 , 63, 293-304	3.9	45
80	Xanthohumol induces phase II enzymes via Nrf2 in human hepatocytes in vitro. <i>Toxicology in Vitro</i> , 2013 , 27, 149-56	3.6	41
79	Beetroot juice protects against N-nitrosodiethylamine-induced liver injury in rats. <i>Food and Chemical Toxicology</i> , 2012 , 50, 2027-33	4.7	40
78	Pterostilbene is equally potent as resveratrol in inhibiting 12-O-tetradecanoylphorbol-13-acetate activated NFkappaB, AP-1, COX-2, and iNOS in mouse epidermis. <i>Molecular Nutrition and Food Research</i> , 2008 , 52 Suppl 1, S62-70	5.9	39
77	Targeting aberrant cancer metabolism - The role of sirtuins. <i>Pharmacological Reports</i> , 2015 , 67, 1068-80	3.9	38
76	Evaluation of the effect of beetroot juice on DMBA-induced damage in liver and mammary gland of female Sprague-Dawley rats. <i>Phytotherapy Research</i> , 2014 , 28, 55-61	6.7	38
75	Frequent hypermethylation of DAPK, RARbeta, MGMT, RASSF1A and FHIT in laryngeal squamous cell carcinomas and adjacent normal mucosa. <i>Oral Oncology</i> , 2011 , 47, 104-7	4.4	38

74	Wnt pathway antagonists, SFRP1, SFRP2, SOX17, and PPP2R2B, are methylated in gliomas and SFRP1 methylation predicts shorter survival. <i>Journal of Applied Genetics</i> , 2016 , 57, 189-97	2.5	37
73	Formation and persistence of benzo[a]pyrene--DNA adducts in different tissues of C57BL/10 and DBA/2 mice. <i>Carcinogenesis</i> , 1991 , 12, 1607-11	4.6	37
72	Modulation of 3-methylcholanthrene-induced rat hepatic and renal cytochrome P450 and phase II enzymes by plant phenols: protocatechuic and tannic acids. <i>Toxicology Letters</i> , 2004 , 152, 117-26	4.4	34
71	The effect of plant phenolics on the formation of 7,12-dimethylbenz[a]anthracene-DNA adducts and TPA-stimulated polymorphonuclear neutrophils chemiluminescence in vitro. <i>Toxicology</i> , 2003 , 189, 199-209	4.4	33
70	The effect of resveratrol, its naturally occurring derivatives and tannic acid on the induction of cell cycle arrest and apoptosis in rat C6 and human T98G glioma cell lines. <i>Toxicology in Vitro</i> , 2017 , 43, 69-75 ^{3.6}	3.6	32
69	The beetroot component betanin modulates ROS production, DNA damage and apoptosis in human polymorphonuclear neutrophils. <i>Phytotherapy Research</i> , 2012 , 26, 845-52	6.7	32
68	Naturally occurring phenolic acids inhibit 12-O-tetradecanoylphorbol-13-acetate induced NF-kappaB, iNOS and COX-2 activation in mouse epidermis. <i>Toxicology</i> , 2010 , 268, 118-24	4.4	32
67	Pharmacoepigenetics: an element of personalized therapy?. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2017 , 13, 387-398	5.5	30
66	Modulation of rat hepatic and kidney phase II enzymes by cabbage juices: comparison with the effects of indole-3-carbinol and phenethyl isothiocyanate. <i>British Journal of Nutrition</i> , 2011 , 105, 816-26 ^{3.6}	3.6	27
65	Modulation of CYP19 expression by cabbage juices and their active components: indole-3-carbinol and 3,3'-diindolylmethane in human breast epithelial cell lines. <i>European Journal of Nutrition</i> , 2013 , 52, 1483-92	5.2	26
64	Characterization of a major aromatic DNA adduct detected in human breast tissues. <i>Environmental and Molecular Mutagenesis</i> , 2002 , 39, 193-200	3.2	26
63	Effect of Chokeberry (<i>Aronia melanocarpa</i>) juice on the metabolic activation and detoxication of carcinogenic N-nitrosodiethylamine in rat liver. <i>Journal of Agricultural and Food Chemistry</i> , 2009 , 57, 5071-7 ^{5.7}	5.7	24
62	Modulation of CYP1A1, CYP1A2 and CYP1B1 expression by cabbage juices and indoles in human breast cell lines. <i>Nutrition and Cancer</i> , 2012 , 64, 879-88	2.8	23
61	Effect of naturally occurring phenolic acids on the expression of glutathione S-transferase isozymes in the rat. <i>Food and Chemical Toxicology</i> , 2008 , 46, 1097-102	4.7	23
60	The effect of plant phenols on the expression and activity of phorbol ester-induced PKC in mouse epidermis. <i>Toxicology</i> , 2007 , 230, 1-10	4.4	23
59	Effect of naturally occurring plant phenolics on the induction of drug metabolizing enzymes by o-toluidine. <i>Toxicology</i> , 2003 , 186, 67-77	4.4	23
58	Resveratrol and its methoxy derivatives modulate the expression of estrogen metabolism enzymes in breast epithelial cells by AhR down-regulation. <i>Molecular and Cellular Biochemistry</i> , 2017 , 425, 169-179 ^{4.2}	4.2	22
57	Indole-3-Carbinol and Its Role in Chronic Diseases. <i>Advances in Experimental Medicine and Biology</i> , 2016 , 928, 131-154	3.6	22

56	3,4,5,4Rtrans-tetramethoxystilbene (DMU-212) modulates the activation of NF- κ B, AP-1, and STAT3 transcription factors in rat liver carcinogenesis induced by initiation-promotion regimen. <i>Molecular and Cellular Biochemistry</i> , 2014 , 391, 27-35	4.2	20
55	Effect of natural phenols on the catalytic activity of cytochrome P450 2E1.. <i>Acta Biochimica Polonica</i> , 2002 , 49, 917-925	2	20
54	The methylation of a panel of genes differentiates low-grade from high-grade gliomas. <i>Tumor Biology</i> , 2015 , 36, 3831-41	2.9	19
53	Combination of xanthohumol and phenethyl isothiocyanate inhibits NF- κ B and activates Nrf2 in pancreatic cancer cells. <i>Toxicology in Vitro</i> , 2020 , 65, 104799	3.6	19
52	Frequent hypermethylation of WNT pathway genes in laryngeal squamous cell carcinomas. <i>Journal of Oral Pathology and Medicine</i> , 2014 , 43, 652-7	3.3	19
51	Covalent DNA adducts formed in mouse epidermis from dibenz[a,j]anthracene: evidence for the formation of polar adducts. <i>Chemical Research in Toxicology</i> , 1995 , 8, 292-301	4	19
50	The inhibition of c-MYC transcription factor modulates the expression of glycolytic and glutaminolytic enzymes in FaDu hypopharyngeal carcinoma cells. <i>Advances in Clinical and Experimental Medicine</i> , 2018 , 27, 735-742	1.8	19
49	Role of CYP1A1 in the biological activity of methylated resveratrol analogue, 3,4,5,4Rtetramethoxystilbene (DMU-212) in ovarian cancer A-2780 and non-cancerous HOSE cells. <i>Toxicology Letters</i> , 2017 , 267, 59-66	4.4	18
48	Modulating potential of L-sulforaphane in the expression of cytochrome p450 to identify potential targets for breast cancer chemoprevention and therapy using breast cell lines. <i>Phytotherapy Research</i> , 2015 , 29, 93-9	6.7	18
47	Modulation of carcinogen-metabolizing cytochromes P450 by phytochemicals in humans. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2013 , 9, 927-41	5.5	18
46	Phloretamide, an apple phenolic compound, activates the Nrf2/ARE pathway in human hepatocytes. <i>Food and Chemical Toxicology</i> , 2013 , 51, 202-9	4.7	17
45	Searching for artemisinin production improvement in plants and microorganisms. <i>Current Pharmaceutical Biotechnology</i> , 2011 , 12, 1743-51	2.6	17
44	DNA methylation analysis of benign and atypical meningiomas: correlation between RUNX3 methylation and WHO grade. <i>Journal of Cancer Research and Clinical Oncology</i> , 2015 , 141, 1593-601	4.9	16
43	Cabbage Juices and Indoles Modulate the Expression Profile of AhR, ER α and Nrf2 in Human Breast Cell Lines. <i>Nutrition and Cancer</i> , 2015 , 67, 1342-54	2.8	16
42	Modulation of cytochrome P450 and phase II enzymes by protocatechuic acid in mouse liver and kidney. <i>Toxicology</i> , 2005 , 216, 24-31	4.4	16
41	Effect of toluidines on drug metabolizing enzymes in rat liver, kidney and lung. <i>Toxicology</i> , 1984 , 32, 335-42	4.4	16
40	Inhibition of CBP/ β catenin and porcupine attenuates Wnt signaling and induces apoptosis in head and neck carcinoma cells. <i>Cellular Oncology (Dordrecht)</i> , 2019 , 42, 505-520	7.2	15
39	3,4,2'-Trimethoxy-trans-stilbene is a potent CYP1B1 inhibitor. <i>MedChemComm</i> , 2014 , 5, 496	5	15

38	The effect of initiating doses of benzo[a]pyrene and 7,12-dimethylbenz[a]anthracene on the expression of PAH activating enzymes and its modulation by plant phenols. <i>Toxicology</i> , 2008 , 251, 28-34	4.4	15
37	The effect of resveratrol and its methylthio-derivatives on NF- κ B and AP-1 signaling pathways in HaCaT keratinocytes. <i>Pharmacological Reports</i> , 2014 , 66, 732-40	3.9	14
36	DNA damage and apoptosis in blood neutrophils of inflammatory bowel disease patients and in Caco-2 cells in vitro exposed to betanin. <i>Postepy Higieny I Medycyny Doswiadczalnej</i> , 2016 , 70, 265-71	0.3	14
35	Effect of tannic acid, resveratrol and its derivatives, on oxidative damage and apoptosis in human neutrophils. <i>Food and Chemical Toxicology</i> , 2015 , 84, 37-46	4.7	13
34	The effect of resveratrol and its methylthio-derivatives on EGFR and Stat3 activation in human HaCaT and A431 cells. <i>Molecular and Cellular Biochemistry</i> , 2014 , 396, 221-8	4.2	13
33	HSD11B2, RUNX3, and LINE-1 Methylation in Placental DNA of Hypertensive Disorders of Pregnancy Patients. <i>Reproductive Sciences</i> , 2017 , 24, 1520-1531	3	13
32	Thiomethylstilbenes as inhibitors of CYP1A1, CYP1A2 and CYP1B1 activities. <i>Molecular Nutrition and Food Research</i> , 2008 , 52 Suppl 1, S77-83	5.9	13
31	Synthesis, biological evaluation and docking studies of trans-stilbene methylthio derivatives as cytochromes P450 family 1 inhibitors. <i>Chemical Biology and Drug Design</i> , 2017 , 90, 1226-1236	2.9	12
30	Tannic Acid: Specific Form of Tannins in Cancer Chemoprevention and Therapy-Old and New Applications. <i>Current Pharmacology Reports</i> , 2020 , 6, 28-37	5.5	12
29	The effect of resveratrol and its methylthio-derivatives on the Nrf2-ARE pathway in mouse epidermis and HaCaT keratinocytes. <i>Cellular and Molecular Biology Letters</i> , 2014 , 19, 500-16	8.1	12
28	Hawthorn (<i>Crataegus oxyacantha</i> L.) bark extract regulates antioxidant response element (ARE)-mediated enzyme expression via Nrf2 pathway activation in normal hepatocyte cell line. <i>Phytotherapy Research</i> , 2014 , 28, 593-602	6.7	11
27	Modulation of carcinogen metabolizing cytochromes P450 in rat liver and kidney by cabbage and sauerkraut juices: comparison with the effects of indole-3-carbinol and phenethyl isothiocyanate. <i>Phytotherapy Research</i> , 2012 , 26, 1148-55	6.7	11
26	Chokeberry (<i>Aronia melanocarpa</i>) juice modulates 7,12-dimethylbenz[a]anthracene induced hepatic but not mammary gland phase I and II enzymes in female rats. <i>Environmental Toxicology and Pharmacology</i> , 2011 , 31, 339-46	5.8	11
25	Frequent gene hypermethylation in laryngeal cancer cell lines and the resistance to demethylation induction by plant polyphenols. <i>Toxicology in Vitro</i> , 2011 , 25, 213-21	3.6	10
24	Evaluation of the effect of the new methoxy-stilbenes on expression of receptors and enzymes involved in estrogen synthesis in cancer breast cells. <i>Molecular and Cellular Biochemistry</i> , 2018 , 444, 53-62	4.2	10
23	Oleanolic acid oxime derivatives and their conjugates with aspirin modulate the NF- κ B-mediated transcription in HepG2 hepatoma cells. <i>Bioorganic Chemistry</i> , 2019 , 93, 103326	5.1	9
22	Hepatic and extrahepatic expression of glutathione S-transferase isozymes in mice and its modulation by naturally occurring phenolic acids. <i>Environmental Toxicology and Pharmacology</i> , 2008 , 25, 27-32	5.8	8
21	The effect of cloudy apple juice on hepatic and mammary gland phase I and II enzymes induced by DMBA in female Sprague-Dawley rats. <i>Drug and Chemical Toxicology</i> , 2014 , 37, 472-9	2.3	7

20	Monoclonal antibody-directed analysis of benzo[a]pyrene metabolism in rat liver and extrahepatic tissues: effect of propyl and octyl gallate. <i>Nutrition and Cancer</i> , 2001 , 39, 117-25	2.8	7
19	Cytotoxic, tubulin-interfering and proapoptotic activities of 4Rmethylthio-trans-stilbene derivatives, analogues of trans-resveratrol. <i>Cytotechnology</i> , 2018 , 70, 1349-1362	2.2	6
18	Morpholide derivative of the novel oleanolic oxime and succinic acid conjugate diminish the expression and activity of NF- κ B and STATs in human hepatocellular carcinoma cells. <i>Chemico-Biological Interactions</i> , 2019 , 311, 108786	5	6
17	Naturally occurring phenolic acids modulate TPA-induced activation of EGFR, AP-1, and STATs in mouse epidermis. <i>Nutrition and Cancer</i> , 2014 , 66, 308-14	2.8	6
16	Modulation of Nrf2 and NF- κ B Signaling Pathways by Naturally Occurring Compounds in Relation to Cancer Prevention and Therapy. Are Combinations Better Than Single Compounds?. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	6
15	The Effect of Novel Oleanolic Acid Oximes Conjugated with Indomethacin on the Nrf2-ARE And NF- κ B Signaling Pathways in Normal Hepatocytes and Human Hepatocellular Cancer Cells. <i>Pharmaceuticals</i> , 2020 , 14,	5.2	5
14	Combinations of Phytochemicals More Efficiently than Single Components Activate Nrf2 and Induce the Expression of Antioxidant Enzymes in Pancreatic Cancer Cells. <i>Nutrition and Cancer</i> , 2021 , 1-16	2.8	5
13	Expression of CYP2S1 and CYP2W1 in breast cancer epithelial cells and modulation of their expression by synthetic methoxy stilbenes. <i>Pharmacological Reports</i> , 2019 , 71, 1001-1005	3.9	4
12	Correlation between EGFR Y1068 tyrosine phosphorylation and AP-1 activation by tumor promoter 12-O-tetradecanoylphorbol-13-acetate in mouse skin. <i>Environmental Toxicology and Pharmacology</i> , 2012 , 33, 92-7	5.8	4
11	Effect of methoxy stilbenes-analogs of resveratrol-on the viability and induction of cell cycle arrest and apoptosis in human myeloid leukemia cells. <i>Molecular and Cellular Biochemistry</i> , 2020 , 474, 113-123	4.2	3
10	THE EFFECT OF NICLOSAMIDE ON THE HEAD AND NECK CARCINOMA CELLS SURVIVAL AND THE EXPRESSION OF WNT/ β CATENIN SIGNALING AND GLYCOLYSIS PATHWAY COMPONENTS. <i>Acta Poloniae Pharmaceutica</i> , 2019 , 76, 661-669	1.3	2
9	Activation of the Nrf2 response by oleanolic acid oxime morpholide (3-hydroxyiminoolean-12-en-28-oic acid morpholide) is associated with its ability to induce apoptosis and inhibit proliferation in HepG2 hepatoma cells. <i>European Journal of Pharmacology</i> , 2020 , 688, 173337	5.3	2
8	Conjugation of Diclofenac with Novel Oleanolic Acid Derivatives Modulate Nrf2 and NF- κ B Activity in Hepatic Cancer Cells and Normal Hepatocytes Leading to Enhancement of Its Therapeutic and Chemopreventive Potential. <i>Pharmaceuticals</i> , 2021 , 14,	5.2	2
7	Pharmacopigenetics: Basic Principles for Personalized Medicine 2019 , 101-112		1
6	DNA Methylation as a Target of Cancer Chemoprevention by Dietary Polyphenols 2014 , 1385-1392		1
5	Comparison of the Impact of Xanthohumol and Phenethyl Isothiocyanate and Their Combination on Nrf2 and NF- κ B Pathways in HepG2 Cells In Vitro and Tumor Burden In Vivo. <i>Nutrients</i> , 2021 , 13,	6.7	1
4	Lichen-Derived Depsides and Depsidones Modulate the Nrf2, NF- κ B and STAT3 Signaling Pathways in Colorectal Cancer Cells. <i>Molecules</i> , 2021 , 26,	4.8	1
3	Phytochemical Combinations Modulate the Activation of Nrf2 and Expression of SOD in Pancreatic Cancer Cells More Efficiently Than Single Plant Components. <i>Proceedings (mdpi)</i> , 2019 , 11, 22	0.3	0

- 2 (+)-Usnic acid modulates the Nrf2-ARE pathway in FaDu hypopharyngeal carcinoma cells. *Molecular and Cellular Biochemistry*, **2021**, 476, 2539-2549 4.2 ○
- 1 Sirtuins and next generation hallmarks of cancer: cellular energetics and tumor promoting inflammation **2021**, 179-194