

Michael Danilenko

List of Publications by Year in descending order

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97
papers

4,090
citations

136950

32
h-index

110387

64
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98
all docs

98
docs citations

98
times ranked

3833
citing authors

#	ARTICLE	IF	CITATIONS
1	Lycopene is a more potent inhibitor of human cancer cell proliferation than either β -carotene or α -carotene. <i>Nutrition and Cancer</i> , 1995, 24, 257-266.	2.0	496
2	Lycopene Interferes With Cell Cycle Progression and Insulin-Like Growth Factor I Signaling in Mammary Cancer Cells. <i>Nutrition and Cancer</i> , 2000, 36, 101-111.	2.0	315
3	Carotenoids activate the antioxidant response element transcription system. <i>Molecular Cancer Therapeutics</i> , 2005, 4, 177-86.	4.1	216
4	Lycopene inhibition of cell cycle progression in breast and endometrial cancer cells is associated with reduction in cyclin D levels and retention of p27Kip1 in the cyclin E-cdk2 complexes. <i>Oncogene</i> , 2001, 20, 3428-3436.	5.9	212
5	Lycopene and 1,25-dihydroxyvitamin D_3 cooperate in the inhibition of cell cycle progression and induction of differentiation in HL60 leukemic cells. <i>Nutrition and Cancer</i> , 1999, 33, 105-112.	2.0	205
6	Effect of Purified Allicin, the Major Ingredient of Freshly Crushed Garlic, on Cancer Cell Proliferation. <i>Nutrition and Cancer</i> , 2000, 38, 245-254.	2.0	194
7	Structure activity relationship of carotenoid derivatives in activation of the electrophile/antioxidant response element transcription system. <i>Free Radical Biology and Medicine</i> , 2009, 47, 659-667.	2.9	141
8	Carotenoids and apocarotenoids in cellular signaling related to cancer: A review. <i>Molecular Nutrition and Food Research</i> , 2012, 56, 259-269.	3.3	140
9	Carotenoids and transcription. <i>Archives of Biochemistry and Biophysics</i> , 2004, 430, 89-96.	3.0	108
10	The anti-cancer effects of carotenoids and other phytonutrients resides in their combined activity. <i>Archives of Biochemistry and Biophysics</i> , 2015, 572, 28-35.	3.0	108
11	Carnosic Acid and Promotion of Monocytic Differentiation of HL60-G Cells Initiated by Other Agents. <i>Journal of the National Cancer Institute</i> , 2001, 93, 1224-1233.	6.3	101
12	Lycopene and other carotenoids inhibit estrogenic activity of 17β -estradiol and genistein in cancer cells. <i>Breast Cancer Research and Treatment</i> , 2007, 104, 221-230.	2.5	93
13	Lycopene inhibition of IGF-induced cancer cell growth depends on the level of cyclin D1. <i>European Journal of Nutrition</i> , 2006, 45, 275-282.	3.9	88
14	Carnosic acid potentiates the antioxidant and prodifferentiation effects of 1 α ,25-dihydroxyvitamin D_3 in leukemia cells but does not promote elevation of basal levels of intracellular calcium. <i>Cancer Research</i> , 2003, 63, 1325-32.	0.9	85
15	Effects of acyclo-Retinoic Acid and Lycopene on Activation of the Retinoic Acid Receptor and Proliferation of Mammary Cancer Cells. <i>Archives of Biochemistry and Biophysics</i> , 2001, 391, 295-302.	3.0	84
16	Carnosic Acid Inhibits Proliferation and Augments Differentiation of Human Leukemic Cells Induced by 1,25-Dihydroxyvitamin D_3 and Retinoic Acid. <i>Nutrition and Cancer</i> , 2001, 41, 135-144.	2.0	84
17	Programmed Cell Death-4 Tumor Suppressor Protein Contributes to Retinoic Acid-Induced Terminal Granulocytic Differentiation of Human Myeloid Leukemia Cells. <i>Molecular Cancer Research</i> , 2007, 5, 95-108.	3.4	84
18	Distinct Combinatorial Effects of the Plant Polyphenols Curcumin, Carnosic Acid, and Silibinin on Proliferation and Apoptosis in Acute Myeloid Leukemia Cells. <i>Nutrition and Cancer</i> , 2010, 62, 811-824.	2.0	77

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19	Cooperative antitumor effects of vitamin D ₃ derivatives and rosemary preparations in a mouse model of myeloid leukemia. <i>International Journal of Cancer</i> , 2006, 118, 3012-3021.	5.1	71
20	Cooperation between antioxidants and 1,25-dihydroxyvitamin D ₃ in induction of leukemia HL60 cell differentiation through the JNK/AP-1/Egr-1 pathway. <i>Journal of Cellular Physiology</i> , 2005, 204, 964-974.	4.1	67
21	The role of lycopene and its derivatives in the regulation of transcription systems: implications for cancer prevention. <i>American Journal of Clinical Nutrition</i> , 2012, 96, 1173S-1178S.	4.7	58
22	Membrane-associated Insulin-like Growth Factor-binding Protein-3 Inhibits Insulin-like Growth Factor-I-induced Insulin-like Growth Factor-I Receptor Signaling in Ishikawa Endometrial Cancer Cells. <i>Journal of Biological Chemistry</i> , 1997, 272, 16514-16520.	3.4	57
23	The Nrf2 transcription factor is a positive regulator of myeloid differentiation of acute myeloid leukemia cells. <i>Cancer Biology and Therapy</i> , 2011, 11, 317-329.	3.4	56
24	Enhancement by other compounds of the anti-cancer activity of vitamin D ₃ and its analogs. <i>Experimental Cell Research</i> , 2004, 298, 339-358.	2.6	55
25	Synergistic Antileukemic Activity of Carnosic Acid-Rich Rosemary Extract and the 19-nor Gemini Vitamin D Analogue in a Mouse Model of Systemic Acute Myeloid Leukemia. <i>Oncology</i> , 2008, 75, 203-214.	1.9	55
26	Inhibition of Cot1/Tlp2 oncogene in AML cells reduces ERK5 activation and upregulates p27 ^{Kip1} concomitant with enhancement of differentiation and cell cycle arrest induced by silibinin and 1,25-dihydroxyvitamin D ₃ . <i>Cell Cycle</i> , 2010, 9, 4542-4551.	2.6	54
27	Cancer-selective cytotoxic Ca ²⁺ overload in acute myeloid leukemia cells and attenuation of disease progression in mice by synergistically acting polyphenols curcumin and carnosic acid. <i>Oncotarget</i> , 2016, 7, 31847-31861.	1.8	52
28	Stimulation of endometrial cancer cell growth by tamoxifen is associated with increased insulin-like growth factor (IGF)-I induced tyrosine phosphorylation and reduction in IGF binding proteins.. <i>Endocrinology</i> , 1996, 137, 1089-1095.	2.8	50
29	Intracellular Ca ²⁺ Regulates the Phosphorylation and the Dephosphorylation of Ciliary Proteins Via the NO Pathway. <i>Journal of General Physiology</i> , 2004, 124, 527-540.	1.9	44
30	Molecular mechanisms for the anticancer activity of the carotenoid lycopene. <i>Drug Development Research</i> , 2000, 50, 448-456.	2.9	42
31	Selective Effects of Mastoparan Analogs: Separation of G-Protein-Directed and Membrane-Perturbing Activities. <i>Biochemical and Biophysical Research Communications</i> , 1993, 196, 1296-1302.	2.1	33
32	Role of gene regulation in the anticancer activity of carotenoids. <i>Pure and Applied Chemistry</i> , 2002, 74, 1469-1477.	1.9	33
33	ERK 5/MAPK pathway has a major role in 1 α ,25-(OH) ₂ vitamin D ₃ -induced terminal differentiation of myeloid leukemia cells. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2014, 144, 223-227.	2.5	31
34	Differential enhancement of leukaemia cell differentiation without elevation of intracellular calcium by plant-derived sesquiterpene lactone compounds. <i>British Journal of Pharmacology</i> , 2008, 155, 814-825.	5.4	28
35	Modulation of transcriptional activity by antioxidant carotenoids. <i>Molecular Aspects of Medicine</i> , 2003, 24, 371-384.	6.4	27
36	Silibinin can induce differentiation as well as enhance vitamin D ₃ -induced differentiation of human AML cells <i>in vivo</i> and regulates the levels of differentiation-related transcription factors. <i>Hematological Oncology</i> , 2010, 28, 124-132.	1.7	27

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37	ERK5 Pathway Regulates Transcription Factors Important for Monocytic Differentiation of Human Myeloid Leukemia Cells. <i>Journal of Cellular Physiology</i> , 2014, 229, 856-867.	4.1	25
38	Stimulation of endometrial cancer cell growth by tamoxifen is associated with increased insulin-like growth factor (IGF)-I induced tyrosine phosphorylation and reduction in IGF binding proteins. <i>Endocrinology</i> , 1996, 137, 1089-1095.	2.8	25
39	Dimethyl fumarate and vitamin D derivatives cooperatively enhance VDR and Nrf2 signaling in differentiating AML cells in vitro and inhibit leukemia progression in a xenograft mouse model. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019, 188, 8-16.	2.5	24
40	Vitamin D Control of Hematopoietic Cell Differentiation and Leukemia. <i>Journal of Cellular Biochemistry</i> , 2015, 116, 1500-1512.	2.6	23
41	Polyphenols, isothiocyanates, and carotenoid derivatives enhance estrogenic activity in bone cells but inhibit it in breast cancer cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 303, E815-E824.	3.5	21
42	Novel analogs of 1,25-dihydroxyvitamin D2 combined with a plant polyphenol as highly efficient inducers of differentiation in human acute myeloid leukemia cells. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016, 164, 59-65.	2.5	21
43	Carnosic Acid Inhibits Proliferation and Augments Differentiation of Human Leukemic Cells Induced by 1,25-Dihydroxyvitamin Dsub3 and Retinoic Acid. <i>Nutrition and Cancer</i> , 2001, 41, 135-144.	2.0	21
44	The MAPK ERK5, but not ERK1/2, inhibits the progression of monocytic phenotype to the functioning macrophage. <i>Experimental Cell Research</i> , 2015, 330, 199-211.	2.6	20
45	Tumor suppressor p53 status does not determine the differentiation-associated G1 cell cycle arrest induced in leukemia cells by 1,25-dihydroxyvitamin D3 and antioxidants. <i>Cancer Biology and Therapy</i> , 2010, 10, 344-350.	3.4	19
46	Antitumor Activity of Ethanol Extract from Hippophae Rhamnoides L. Leaves towards Human Acute Myeloid Leukemia Cells In Vitro. <i>Bulletin of Experimental Biology and Medicine</i> , 2014, 158, 252-255.	0.8	18
47	Cooperative antiproliferative and differentiation-enhancing activity of medicinal plant extracts in acute myeloid leukemia cells. <i>Biomedicine and Pharmacotherapy</i> , 2016, 82, 80-89.	5.6	17
48	Components of the IGF system mediate the opposing effects of tamoxifen on endometrial and breast cancer cell growth. <i>Progress in Growth Factor Research</i> , 1995, 6, 513-520.	1.6	15
49	Differentiation-inducing potency of the seco-steroid JK-1624F2-2 can be increased by combination with an antioxidant and a p38MAPK inhibitor which upregulates the JNK pathway. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2007, 105, 140-149.	2.5	15
50	The assembly of neutrophil NADPH oxidase: effects of mastoparan and its synthetic analogues. <i>Biochemical Journal</i> , 1995, 310, 715-719.	3.7	14
51	Curcumin and Carnosic Acid Cooperate to Inhibit Proliferation and Alter Mitochondrial Function of Metastatic Prostate Cancer Cells. <i>Antioxidants</i> , 2021, 10, 1591.	5.1	12
52	Prodifferentiation Activity of Novel Vitamin D2 Analogs PRI-1916 and PRI-1917 and Their Combinations with a Plant Polyphenol in Acute Myeloid Leukemia Cells. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1068.	4.1	11
53	A composition of medicinal plants with an enhanced ability to suppress microsomal lipid peroxidation and a protective activity against carbon tetrachloride-induced hepatotoxicity. <i>Biomedicine and Pharmacotherapy</i> , 2017, 96, 1283-1291.	5.6	11
54	Cardiolipin mediates curcumin interactions with mitochondrial membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 75-82.	2.6	11

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55	Participation of vitamin D-upregulated protein 1 (TXNIP)-ASK1-JNK1 signalosome in the enhancement of AML cell death by a post-cytotoxic differentiation regimen. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019, 187, 166-173.	2.5	10
56	Membrane processes and biophysical characterization of living cells decorated with chromatic polydiacetylene vesicles. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 1335-1343.	2.6	9
57	Keep Harm at Bay: Oxidative Phosphorylation Induces Nrf2-Driven Antioxidant Response Via ERK5/MEF2/miR-23a Signaling to Keap-1. <i>EBioMedicine</i> , 2016, 3, 4-5.	6.1	9
58	Synergistic Cytotoxicity of Methyl 4-Hydroxycinnamate and Carnosic Acid to Acute Myeloid Leukemia Cells via Calcium-Dependent Apoptosis Induction. <i>Frontiers in Pharmacology</i> , 2019, 10, 507.	3.5	9
59	Differentiation agents increase the potential AraC therapy of AML by reactivating cell death pathways without enhancing ROS generation. <i>Journal of Cellular Physiology</i> , 2020, 235, 573-586.	4.1	8
60	Preferential anti-proliferative activity of <i>Chilomenium iphionoides</i> (<i>Chilomenium iphionoides</i>). <i>Israel Journal of Plant Sciences</i> , 2015, 62, 229-233.	0.5	7
61	Cell-Type-Specific Effects of Silibinin on Vitamin D-Induced Differentiation of Acute Myeloid Leukemia Cells Are Associated with Differential Modulation of RXR α Levels. <i>Leukemia Research and Treatment</i> , 2012, 2012, 1-12.	2.0	6
62	Plasma 25-Hydroxyvitamin D Levels and VDR Gene Expression in Peripheral Blood Mononuclear Cells of Leukemia Patients and Healthy Subjects in Central Kazakhstan. <i>Nutrients</i> , 2020, 12, 1229.	4.1	5
63	Na ⁺ -K ⁺ -ATPase in frog esophagus mucociliary cell membranes: inhibition by protein kinase C activation. <i>American Journal of Physiology - Cell Physiology</i> , 1997, 273, C1842-C1848.	4.6	4
64	Vitamin D Effects on Differentiation and Cell Cycle. , 2011, , 1625-1656.		4
65	Carnosic acid increases sorafenib-induced inhibition of ERK1/2 and STAT3 signaling which contributes to reduced cell proliferation and survival of hepatocellular carcinoma cells. <i>Oncotarget</i> , 2020, 11, 3129-3143.	1.8	4
66	DNA damage response: A barrier or a path to tumor progression?. <i>Cancer Biology and Therapy</i> , 2010, 9, 252-254.	3.4	3
67	Structure-Activity Relationship of Hydroxycinnamic Acid Derivatives for Cooperating with Carnosic Acid and Calcitriol in Acute Myeloid Leukemia Cells. <i>Biomedicines</i> , 2021, 9, 1517.	3.2	3
68	Cytotoxicity of Thioalkaloid-Enriched Nuphar lutea Extract and Purified 6,6-Dihydroxythiobinupharidine in Acute Myeloid Leukemia Cells: The Role of Oxidative Stress and Intracellular Calcium. <i>Pharmaceuticals</i> , 2022, 15, 410.	3.8	3
69	Effects of Vitamin D Derivatives on Differentiation, Cell Cycle, and Apoptosis in Hematological Malignancies. , 2018, , 761-799.		2
70	Anticancer Activity of Carotenoids. <i>Oxidative Stress and Disease</i> , 2004, , 165-196.	0.3	2
71	The Role of Tomato Lycopene in Cancer Prevention. , 2011, , 47-66.		2
72	Differentiation and the Cell Cycle. , 2005, , 1635-1661.		1

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73	Tomato Carotenoids and the IGF System in Cancer. , 2008, , 395-410.		1
74	Differentiation and Cell Survival of Myeloid Leukemia Cells. Leukemia Research and Treatment, 2012, 2012, 1-2.	2.0	1
75	The plant-derived polyphenol carnosic acid arrests cancer cells growth via alteration of mitochondria metabolism. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, e112.	1.0	1
76	The Tomato Carotenoid Lycopene and Cancer. , 1997, , 209-212.		1
77	Current progress in the study of acute myeloid leukemia. International Journal of Biology and Chemistry, 2019, 12, 86-92.	0.3	1
78	Cholinergic regulation of Na, K-ATPase activity from pig kidney. Bulletin of Experimental Biology and Medicine, 1984, 98, 1490-1492.	0.8	0
79	Muscarinic cholinceptor-mediated inhibition of sarcolemmal Na,K-ATPase activity of myocardium and intestinal smooth muscles by acetylcholine. Bulletin of Experimental Biology and Medicine, 1984, 98, 1153-1155.	0.8	0
80	Changes in activity and regulatory properties of Na,K-ATP-ase from the myocardial sarcolemma during total graded ischemia. Bulletin of Experimental Biology and Medicine, 1987, 104, 901-904.	0.8	0
81	Cellular mechanism of the dependence of cardiotoxic action of digoxin on the degree of ischemic damage to the myocardium. Pharmaceutical Chemistry Journal, 1989, 23, 451-454.	0.8	0
82	Characteristics of sarcolemmal ATPase activity of longitudinal and circular musculature of the canine ileum. Bulletin of Experimental Biology and Medicine, 1990, 110, 1302-1305.	0.8	0
83	Influence of digoxin on the Na,K-ATPase activity, transmembrane potential, and contractile activity of ischemically damaged rat heart. Pharmaceutical Chemistry Journal, 1992, 26, 475-479.	0.8	0
84	LYCOPENE, THE MAJOR TOMATO CAROTENOID, DELAYS CELL CYCLE PROGRESSION IN CANCER CELLS. Biochemical Society Transactions, 1996, 24, 515S-515S.	3.4	0
85	MECHANISMS OF ACTION OF THE ANTIOXIDANT LYCOPENE IN CANCER. , 1999, , 377-384.		0
86	Enhancement by other compounds of the anti-cancer activity of vitamin D3 and its analogs. Experimental Cell Research, 2004, 298, 339-339.	2.6	0
87	Regulation of Transcription by Antioxidant Carotenoids. , 2005, , .		0
88	Abstract 3491: Differential antileukemic activity of plant polyphenol combinations in acute myeloid leukemia (AML) cells. , 2010, , .		0
89	Abstract 3529: Evaluation of PRI vitamin D analogues, alone or with enhancers, as antileukemia agents. , 2011, , .		0
90	Abstract 282A: The Nrf2 transcription factor is a positive regulator of differentiation of acute myeloid leukemia cells induced by vitamin D derivatives and plant polyphenols. , 2011, , .		0

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91	Abstract 1837: Cellular glutathione is an essential mediator of the enhancing effect of plant polyphenolic antioxidants on vitamin D-induced differentiation of acute myeloid leukemia cells. , 2012, , .		0
92	Abstract 5451: Inhibition of the MEK5/ERK5 pathway can redirect 1,25-dihydroxyvitamin D3-treated human AML cells from monocytic to granulocytic lineage of differentiation.. , 2013, , .		0
93	Abstract 2184: The roles of intracellular calcium and ER stress in the synergistic apoptotic effect of the plant polyphenols curcumin and carnosic acid in acute myeloid leukemia cells.. , 2013, , .		0
94	Abstract 4655: Plant polyphenols inhibit cellular 24-hydroxylase (CYP24A1) expression and elevate serum 25-hydroxyvitamin D levels. , 2015, , .		0
95	Genetic condition of human papillomavirus high carcinogenic risk. Bulletin of the Karaganda University â€œBiology Medicine Geography Seriesâ€, 2020, 97, 29-40.	0.0	0
96	Abstract 1811: Sorafenib-mediated apoptotic and autophagic cell death is increased by carnosic acid and a vitamin D2 analog in hepatocellular carcinoma (HCC). , 2020, , .		0
97	Novel pyrrolidine-aminophenyl-1,4-naphthoquinones: structure-related mechanisms of leukemia cell death. Molecular and Cellular Biochemistry, 0, , .	3.1	0