

# Martin Kello

## List of Publications by Year in descending order

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61  
papers

1,583  
citations

257357

24  
h-index

315616

38  
g-index

66  
all docs

66  
docs citations

66  
times ranked

2175  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lichen secondary metabolites are responsible for induction of apoptosis in HT-29 and A2780 human cancer cell lines. <i>Toxicology in Vitro</i> , 2012, 26, 462-468.	1.1	142
2	Dietary phytochemicals in breast cancer research: anticancer effects and potential utility for effective chemoprevention. <i>Environmental Health and Preventive Medicine</i> , 2018, 23, 36.	1.4	121
3	Are plant-based functional foods better choice against cancer than single phytochemicals? A critical review of current breast cancer research. <i>Biomedicine and Pharmacotherapy</i> , 2017, 96, 1465-1477.	2.5	95
4	Flavonoids against the Warburg phenotype—concepts of predictive, preventive and personalised medicine to cut the Gordian knot of cancer cell metabolism. <i>EPMA Journal</i> , 2020, 11, 377-398.	3.3	88
5	Antineoplastic effects of clove buds ( <i>Syzygium aromaticum</i> L.) in the model of breast carcinoma. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 2837-2851.	1.6	63
6	Anticancer Activities of <i>Thymus vulgaris</i> L. in Experimental Breast Carcinoma in Vivo and in Vitro. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1749.	1.8	62
7	Drug efflux transporters, MRP1 and BCRP, affect the outcome of hypericin-mediated photodynamic therapy in HT-29 adenocarcinoma cells. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 1716-1723.	1.6	61
8	Fruit peel polyphenols demonstrate substantial anti-tumour effects in the model of breast cancer. <i>European Journal of Nutrition</i> , 2016, 55, 955-965.	1.8	54
9	Oregano demonstrates distinct tumour-suppressive effects in the breast carcinoma model. <i>European Journal of Nutrition</i> , 2017, 56, 1303-1316.	1.8	47
10	Mechanochemistry of Chitosan-Coated Zinc Sulfide (ZnS) Nanocrystals for Bio-imaging Applications. <i>Nanoscale Research Letters</i> , 2017, 12, 328.	3.1	44
11	Young Barley Indicates Antitumor Effects in Experimental Breast Cancer In Vivo and In Vitro. <i>Nutrition and Cancer</i> , 2016, 68, 611-621.	0.9	41
12	Plant natural modulators in breast cancer prevention: status quo and future perspectives reinforced by predictive, preventive, and personalized medical approach. <i>EPMA Journal</i> , 2018, 9, 403-419.	3.3	40
13	Chemopreventive and Therapeutic Efficacy of <i>Cinnamomum zeylanicum</i> L. Bark in Experimental Breast Carcinoma: Mechanistic In Vivo and In Vitro Analyses. <i>Molecules</i> , 2020, 25, 1399.	1.7	40
14	ROS-Dependent Antiproliferative Effect of Brassinin Derivative Homobrassinin in Human Colorectal Cancer Caco2 Cells. <i>Molecules</i> , 2014, 19, 10877-10897.	1.7	38
15	Antineoplastic effects of <i>Chlorella pyrenoidosa</i> in the breast cancer model. <i>Nutrition</i> , 2015, 31, 560-569.	1.1	38
16	Molecular Mechanisms of Antiproliferative Effects of Natural Chalcones. <i>Cancers</i> , 2021, 13, 2730.	1.7	35
17	Derivatization of Rosmarinic Acid Enhances its in vitro Antitumor, Antimicrobial and Antiprotozoal Properties. <i>Molecules</i> , 2019, 24, 1078.	1.7	34
18	The role of p53 in the efficiency of photodynamic therapy with hypericin and subsequent long-term survival of colon cancer cells. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 1558-1567.	1.6	32

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19	New chalcone derivative exhibits antiproliferative potential by inducing G2/M cell cycle arrest, mitochondrial-mediated apoptosis and modulation of MAPK signalling pathway. <i>Chemico-Biological Interactions</i> , 2018, 292, 37-49.	1.7	31
20	Antiproliferative Effect of Acridine Chalcone Is Mediated by Induction of Oxidative Stress. <i>Biomolecules</i> , 2020, 10, 345.	1.8	30
21	<i>Rhus coriaria</i> L. (Sumac) Demonstrates Oncostatic Activity in the Therapeutic and Preventive Model of Breast Carcinoma. <i>International Journal of Molecular Sciences</i> , 2021, 22, 183.	1.8	30
22	PUFAs enhance oxidative stress and apoptosis in tumour cells exposed to hypericin-mediated PDT. <i>Photochemical and Photobiological Sciences</i> , 2010, 9, 1244-1251.	1.6	29
23	Chalcone derivatives cause accumulation of colon cancer cells in the G2/M phase and induce apoptosis. <i>Life Sciences</i> , 2016, 150, 32-38.	2.0	26
24	Oxidative Stress-Induced DNA Damage and Apoptosis in Clove Buds-Treated MCF-7 Cells. <i>Biomolecules</i> , 2020, 10, 139.	1.8	26
25	Mechanochemical approach for the capping of mixed core CdS/ZnS nanocrystals: Elimination of cadmium toxicity. <i>Journal of Colloid and Interface Science</i> , 2017, 486, 97-111.	5.0	25
26	Photoactivated hypericin increases the expression of SOD-2 and makes MCF-7 cells resistant to photodynamic therapy. <i>Biomedicine and Pharmacotherapy</i> , 2017, 85, 749-755.	2.5	23
27	Fruit Peel Polyphenolic Extract-Induced Apoptosis in Human Breast Cancer Cells Is Associated with ROS Production and Modulation of p38MAPK/Erk1/2 and the Akt Signaling Pathway. <i>Nutrition and Cancer</i> , 2017, 69, 920-931.	0.9	23
28	Enhanced Antiproliferative and Apoptotic Response of HT-29 Adenocarcinoma Cells to Combination of Photoactivated Hypericin and Farnesyltransferase Inhibitor Manumycin A. <i>International Journal of Molecular Sciences</i> , 2011, 12, 8388-8405.	1.8	22
29	Mechanochemical synthesis and in vitro studies of chitosan-coated InAs/ZnS mixed nanocrystals. <i>Journal of Materials Science</i> , 2017, 52, 721-735.	1.7	21
30	Indole phytoalexin derivatives induce mitochondrial-mediated apoptosis in human colorectal carcinoma cells. <i>World Journal of Gastroenterology</i> , 2017, 23, 4341.	1.4	20
31	Antiproliferative effect of Î²-escin - an in vitro study.. <i>Acta Biochimica Polonica</i> , 2016, 63, 79-87.	0.3	19
32	Degradation of HER2 Receptor Through Hypericinâ€mediated Photodynamic Therapy. <i>Photochemistry and Photobiology</i> , 2010, 86, 200-205.	1.3	17
33	Î²-Escin Effectively Modulates HUVECs Proliferation and Tube Formation. <i>Molecules</i> , 2018, 23, 197.	1.7	16
34	Oxidative stress mediated by gyrophoric acid from the lichen <i>Umbilicaria hirsuta</i> affected apoptosis and stress/survival pathways in HeLa cells. <i>BMC Complementary and Alternative Medicine</i> , 2019, 19, 221.	3.7	13
35	An <i>in vitro</i> selective inhibitory effect of silver(â) aminoacidates against bacteria and intestinal cell lines and elucidation of the mechanism of action by means of DNA binding properties, DNA cleavage and cell cycle arrest. <i>Dalton Transactions</i> , 2021, 50, 936-953.	1.6	11
36	Programmed Cell Death Alterations Mediated by Synthetic Indole Chalcone Resulted in Cell Cycle Arrest, DNA Damage, Apoptosis and Signaling Pathway Modulations in Breast Cancer Model. <i>Pharmaceutics</i> , 2022, 14, 503.	2.0	11

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37	Location and the functionality of erythropoietin receptor(s) in A2780 cells. <i>Oncology Reports</i> , 2012, 28, 141-6.	1.2	10
38	Cytogenetics of <i>Aspidogaster limacoides</i> (Trematoda, Aspidogastrea): karyotype, spermatocyte division, and genome size. <i>Parasitology Research</i> , 2015, 114, 1473-1483.	0.6	9
39	Potential Effect of <i>Pseudevernia furfuracea</i> (L.) Zopf Extract and Metabolite Physodic Acid on Tumour Microenvironment Modulation in MCF-10A Cells. <i>Biomolecules</i> , 2021, 11, 420.	1.8	9
40	The Newly Synthetized Chalcone L1 Is Involved in the Cell Growth Inhibition, Induction of Apoptosis and Suppression of Epithelial-to-Mesenchymal Transition of HeLa Cells. <i>Molecules</i> , 2021, 26, 1356.	1.7	9
41	Genistein Improves Skin Flap Viability in Rats: A Preliminary In Vivo and In Vitro Investigation. <i>Molecules</i> , 2018, 23, 1637.	1.7	8
42	Preparation of As <sub>4</sub> S <sub>4</sub> /Fe <sub>3</sub> O <sub>4</sub> nanosuspensions and in-vitro verification of their anticancer activity. <i>Materials Science and Engineering C</i> , 2020, 110, 110683.	3.8	8
43	Pro-Apoptotic Potential of <i>Pseudevernia furfuracea</i> (L.) Zopf Extract and Isolated Physodic Acid in Acute Lymphoblastic Leukemia Model In Vitro. <i>Pharmaceutics</i> , 2021, 13, 2173.	2.0	8
44	Anti-Cancer Effect of Tacrine-Coumarin Derivatives on Diverse Human and Mouse Cancer Cell Lines. <i>Acta Chimica Slovenica</i> , 2018, 65, 875-881.	0.2	7
45	<i>Naja ashei</i> venom induces mitochondria-mediated apoptosis in human colorectal cancer cells. <i>Acta Biochimica Polonica</i> , 2019, 66, 207-213.	0.3	7
46	Antiproliferative Effect of <i>Phellodendron amurense</i> Rupr. Based on Angiogenesis. <i>Life</i> , 2022, 12, 767.	1.1	7
47	Discovery of novel acridine-chalcone hybrids with potent DNA binding and antiproliferative activity against MDA-MB-231 and MCF-7 cells. <i>Medicinal Chemistry Research</i> , 2022, 31, 1323-1338.	1.1	7
48	In vitro biological evaluation and consideration about structure-activity relationship of silver(I) aminoacide complexes. <i>Journal of Inorganic Biochemistry</i> , 2020, 210, 111170.	1.5	6
49	Antimicrobial and Anticancer Application of Silver(I) Dipeptide Complexes. <i>Molecules</i> , 2021, 26, 6335.	1.7	6
50	Inhibition of heat shock protein (Hsp) 90 potentiates the antiproliferative and pro-apoptotic effects of 2-(4-fluoro-phenylamino)-4H-1,3-thiazine[6,5-b]indole in A2780cis cells. <i>Biomedicine and Pharmacotherapy</i> , 2017, 85, 463-471.	2.5	4
51	Chitosan capped CuInS <sub>2</sub> and CuInS <sub>2</sub> /ZnS by wet stirred media milling: in vitro verification of their potential bio-imaging applications. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 4661-4671.	1.6	4
52	Jaspine B Hydrochloride-induced Apoptosis in HeLa Cells Is Associated With Disrupted Sphingolipid Metabolism and Ceramide Overload. <i>Anticancer Research</i> , 2021, 41, 2875-2883.	0.5	3
53	Mechanochemical Preparation, Characterization and Biological Activity of Stable CuS Nanosuspension Capped by Bovine Serum Albumin. <i>Frontiers in Chemistry</i> , 2022, 10, 836795.	1.8	3
54	Tumour-preventive effects of clove buds in mammary carcinoma model. <i>Breast</i> , 2017, 32, S39.	0.9	0

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55	Processing of natural mineral magnetite for medical applications. , 2019, , 125-147.		0
56	Clove Buds Affect MCF-7 Breast Cancer Cell Stress/Survival Pathways and Induce Oxidative Stress, DNA Damage, Cell Cycle Arrest, and Apoptosis. Proceedings (mdpi), 2019, 22, 51.	0.2	0
57	Plant-derived functional foods with chemopreventive and therapeutic potential against breast cancer: A review of the preclinical and clinical data. , 2020, , 283-314.		0
58	Apoptotic Effect of Homobrassinin and Thiazino[6,5-b]indol is Associated with Downregulation of Heat Shock Proteins in Human Ovarian Adenocarcinoma Cells. Acta Chimica Slovenica, 2021, 68, 151-158.	0.2	0
59	Indole phytoalexin derivatives induce apoptosis in human colorectal carcinoma cells. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO1-9-9.	0.0	0
60	Antiproliferative effect of new chalcone derivatives in human colorectal cancer HCT116 cells. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO1-9-10.	0.0	0
61	Identification of beta-escin as a promising inhibitor of in vitro and in vivo steps in neo-vascular progression. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO3-10-38.	0.0	0