

# Annie Joubert

## List of Publications by Citations

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100  
papers

8,351  
citations

22  
h-index

91  
g-index

108  
ext. papers

9,351  
ext. citations

4.6  
avg, IF

5.1  
L-index

#	Paper	IF	Citations
100	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , <b>2016</b> , 12, 1-222	10.2	3838
99	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , <b>2012</b> , 8, 445-544	10.2	2783
98	Limitations of the 3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyl-2H-tetrazolium bromide (MTT) assay when compared to three commonly used cell enumeration assays. <i>BMC Research Notes</i> , <b>2015</b> , 8, 47	2.3	212
97	Antimitotic drugs in the treatment of cancer. <i>Cancer Chemotherapy and Pharmacology</i> , <b>2015</b> , 76, 1101-123	3.5	106
96	Novel sulphamoylated 2-methoxy estradiol derivatives inhibit breast cancer migration by disrupting microtubule turnover and organization. <i>Cancer Cell International</i> , <b>2019</b> , 19, 1	6.4	65
95	Warburg effect and its role in tumourigenesis. <i>Archives of Pharmacal Research</i> , <b>2019</b> , 42, 833-847	6.1	54
94	Cloning, nucleotide sequence and expression of the gene encoding factor Xa inhibitor from the salivary glands of the tick, <i>Ornithodoros savignyi</i> . <i>Experimental and Applied Acarology</i> , <b>1998</b> , 22, 603-19	2.1	52
93	Effects of $\beta$ - and $\beta$ -polyunsaturated fatty acids on RANKL-induced osteoclast differentiation of RAW264.7 cells: a comparative in vitro study. <i>Nutrients</i> , <b>2014</b> , 6, 2584-601	6.7	51
92	The effects of chelidonine on tubulin polymerisation, cell cycle progression and selected signal transmission pathways. <i>European Journal of Cell Biology</i> , <b>2001</b> , 80, 111-8	6.1	50
91	Crosstalk between the Warburg effect, redox regulation and autophagy induction in tumourigenesis. <i>Cellular and Molecular Biology Letters</i> , <b>2018</b> , 23, 20	8.1	48
90	Docking, synthesis, and in vitro evaluation of antimetabolic estrone analogs. <i>Chemical Biology and Drug Design</i> , <b>2011</b> , 77, 173-81	2.9	44
89	Isolation and characterization of an anticoagulant from the salivary glands of the tick, <i>Ornithodoros savignyi</i> (Acari: Argasidae). <i>Experimental and Applied Acarology</i> , <b>1996</b> , 20, 583-98	2.1	43
88	In vitro effects of <i>Sutherlandia frutescens</i> water extracts on cell numbers, morphology, cell cycle progression and cell death in a tumorigenic and a non-tumorigenic epithelial breast cell line. <i>Journal of Ethnopharmacology</i> , <b>2009</b> , 124, 45-60	5	36
87	Isolation and characterization of an anticoagulant present in the salivary glands of the bont-legged tick, <i>Hyalomma truncatum</i> . <i>Experimental and Applied Acarology</i> , <b>1995</b> , 19, 79-92	2.1	34
86	In vitro effects of 2-methoxyestradiol on morphology, cell cycle progression, cell death and gene expression changes in the tumorigenic MCF-7 breast epithelial cell line. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , <b>2010</b> , 119, 149-60	5.1	33
85	Eryptosis: An Erythrocyte's Suicidal Type of Cell Death. <i>BioMed Research International</i> , <b>2018</b> , 2018, 94056	17	32
84	In vitro effects of 2-methoxyestradiol on MCF-12A and MCF-7 cell growth, morphology and mitotic spindle formation. <i>Cell Biochemistry and Function</i> , <b>2008</b> , 26, 632-42	4.2	29

83	Influence of <i>Sutherlandia frutescens</i> extracts on cell numbers, morphology and gene expression in MCF-7 cells. <i>Journal of Ethnopharmacology</i> , <b>2007</b> , 112, 312-8	5	29
82	2-Methoxyestradiol-bis-sulfamate induces apoptosis and autophagy in a tumorigenic breast epithelial cell line. <i>Molecular and Cellular Biochemistry</i> , <b>2011</b> , 357, 343-52	4.2	27
81	Effects of arachidonic acid, docosahexaenoic acid and prostaglandin E(2) on cell proliferation and morphology of MG-63 and MC3T3-E1 osteoblast-like cells. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , <b>2007</b> , 76, 35-45	2.8	26
80	Effects of glutamine deprivation on oxidative stress and cell survival in breast cell lines. <i>Biological Research</i> , <b>2019</b> , 52, 15	7.6	25
79	Piperine alleviates osteoclast formation through the p38/c-Fos/NFATc1 signaling axis. <i>BioFactors</i> , <b>2015</b> , 41, 403-13	6.1	24
78	The antimetabolic effects of Ukrain, a <i>Chelidonium majus</i> alkaloid derivative, are reversible in vitro. <i>Cancer Letters</i> , <b>2000</b> , 150, 85-92	9.9	22
77	An overview of the role of platelets in angiogenesis, apoptosis and autophagy in chronic myeloid leukaemia. <i>Cancer Cell International</i> , <b>2017</b> , 17, 89	6.4	21
76	Hydroxyapatite-coated polyurethane for auricular cartilage replacement: an in vitro study. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2008</b> , 84, 475-82	5.4	21
75	In vitro evaluation of ESE-15-ol, an estradiol analogue with nanomolar antimetabolic and carbonic anhydrase inhibitory activity. <i>PLoS ONE</i> , <b>2012</b> , 7, e52205	3.7	21
74	Bax/Bcl-2 expression levels of 2-methoxyestradiol-exposed esophageal cancer cells. <i>Biomedical Research</i> , <b>2005</b> , 26, 131-4	1.5	21
73	Synergistic anticancer potential of dichloroacetate and estradiol analogue exerting their effect via ROS-JNK-Bcl-2-mediated signalling pathways. <i>Cellular Physiology and Biochemistry</i> , <b>2015</b> , 35, 1499-526	3.9	19
72	Molecular crosstalk between apoptosis and autophagy induced by a novel 2-methoxyestradiol analogue in cervical adenocarcinoma cells. <i>Cancer Cell International</i> , <b>2013</b> , 13, 87	6.4	19
71	Ukrain(TM), a semisynthetic <i>Chelidonium majus</i> alkaloid derivative, acts by inhibition of tubulin polymerization in normal and malignant cell lines. <i>Cancer Letters</i> , <b>2000</b> , 160, 149-57	9.9	19
70	Sulphamoylated 2-methoxyestradiol analogues induce apoptosis in adenocarcinoma cell lines. <i>PLoS ONE</i> , <b>2013</b> , 8, e71935	3.7	18
69	In vitro osteoclast-like and osteoblast cells response to electrospun calcium phosphate biphasic candidate scaffolds for bone tissue engineering. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2012</b> , 23, 3029-40	4.5	17
68	In vitro effects of 2-methoxyestradiol-bis-sulphamate on reactive oxygen species and possible apoptosis induction in a breast adenocarcinoma cell line. <i>Cancer Cell International</i> , <b>2011</b> , 11, 43	6.4	17
67	The in vitro effects of 2-methoxyestradiol-bis-sulphamate on cell numbers, membrane integrity and cell morphology, and the possible induction of apoptosis and autophagy in a non-tumorigenic breast epithelial cell line. <i>Cellular and Molecular Biology Letters</i> , <b>2010</b> , 15, 564-81	8.1	17
66	Novel estradiol analogue induces apoptosis and autophagy in esophageal carcinoma cells. <i>Cellular and Molecular Biology Letters</i> , <b>2014</b> , 19, 98-115	8.1	16

65	Tumor cell culture survival following glucose and glutamine deprivation at typical physiological concentrations. <i>Nutrition</i> , <b>2014</b> , 30, 218-27	4.8	16
64	Signaling pathways of ESE-16, an antimitotic and anticarbonic anhydrase estradiol analog, in breast cancer cells. <i>PLoS ONE</i> , <b>2013</b> , 8, e53853	3.7	16
63	Effects of environmental endocrine disruptors, including insecticides used for malaria vector control on reproductive parameters of male rats. <i>Reproductive Toxicology</i> , <b>2016</b> , 61, 19-27	3.4	15
62	The apoptosis inducing effects of Sutherlandia spp. extracts on an oesophageal cancer cell line. <i>Journal of Ethnopharmacology</i> , <b>2011</b> , 137, 1250-60	5	15
61	In vitro effects of an in silico-modelled 17 $\beta$ -estradiol derivative in combination with dichloroacetic acid on MCF-7 and MCF-12A cells. <i>Cell Proliferation</i> , <b>2011</b> , 44, 567-81	7.9	15
60	The effects of prostaglandin A2 on cell growth, cell cycle status and apoptosis induction in HeLa and MCF-7 cells. <i>Cancer Letters</i> , <b>2003</b> , 191, 203-9	9.9	15
59	In vitro changes in mitochondrial potential, aggresome formation and caspase activity by a novel 17 $\beta$ -estradiol analogue in breast adenocarcinoma cells. <i>Cell Biochemistry and Function</i> , <b>2013</b> , 31, 566-74	4.2	14
58	17-beta-estradiol analog inhibits cell proliferation by induction of apoptosis in breast cell lines. <i>Microscopy Research and Technique</i> , <b>2014</b> , 77, 236-42	2.8	14
57	A pulsed DC electric field affects P2-purinergic receptor functions by altering the ATP levels in in vitro and in vivo systems. <i>Medical Hypotheses</i> , <b>2002</b> , 58, 171-6	3.8	14
56	Influence of partial and complete glutamine-and glucose deprivation of breast-and cervical tumorigenic cell lines. <i>Cell and Bioscience</i> , <b>2015</b> , 5, 37	9.8	13
55	In vitro effects of 2-methoxyestradiol on cell numbers, morphology, cell cycle progression, and apoptosis induction in oesophageal carcinoma cells. <i>Cell Biochemistry and Function</i> , <b>2009</b> , 27, 205-10	4.2	13
54	Fumonisin B1 influenced the effects of arachidonic acid, prostaglandins E2 and A2 on cell cycle progression, apoptosis induction, tyrosine- and CDC2-kinase activity in oesophageal cancer cells. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , <b>2000</b> , 62, 75-84	2.8	13
53	Differential signaling involved in Sutherlandia frutescens-induced cell death in MCF-7 and MCF-12A cells. <i>Journal of Ethnopharmacology</i> , <b>2012</b> , 140, 123-30	5	12
52	Identification of plumbagin epoxide as a germination inhibitory compound through a rapid bioassay on TLC. <i>South African Journal of Botany</i> , <b>2007</b> , 73, 654-656	2.9	12
51	Comparative study of the effects of polyunsaturated fatty acids and their metabolites on cell growth and tyrosine kinase activity in oesophageal carcinoma cells. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , <b>1999</b> , 61, 171-82	2.8	12
50	Sulphamoylated estradiol analogue induces antiproliferative activity and apoptosis in breast cell lines. <i>Cellular and Molecular Biology Letters</i> , <b>2012</b> , 17, 549-58	8.1	11
49	In vitro effects of 2-methoxyestradiol-bis-sulphamate on the non-tumorigenic MCF-12A cell line. <i>Cell Biochemistry and Function</i> , <b>2010</b> , 28, 412-9	4.2	11
48	2-methoxyestradiol strongly inhibits human uterine sarcomatous cell growth. <i>Gynecologic Oncology</i> , <b>2003</b> , 91, 299-308	4.9	11

47	Influence of prostaglandin A2 and 2-methoxyestradiol on Bax and Bcl-2 expression levels in cervical carcinoma cells. <i>Biomedical Research</i> , <b>2005</b> , 26, 87-90	1.5	11
46	Novel in silico-designed estradiol analogues are cytotoxic to a multidrug-resistant cell line at nanomolar concentrations. <i>Cancer Chemotherapy and Pharmacology</i> , <b>2015</b> , 75, 431-7	3.5	10
45	Deoxyribonucleic Acid Damage and Repair: Capitalizing on Our Understanding of the Mechanisms of Maintaining Genomic Integrity for Therapeutic Purposes. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	10
44	Anthracene-polyamine conjugates inhibit in vitro proliferation of intraerythrocytic Plasmodium falciparum parasites. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2013</b> , 57, 2874-7	5.9	9
43	A 2-methoxyestradiol bis-sulphamoylated derivative induces apoptosis in breast cell lines. <i>Cell and Bioscience</i> , <b>2015</b> , 5, 19	9.8	8
42	In vitro effects of 2-methoxyestradiol on cell morphology and Cdc2 kinase activity in SNO oesophageal carcinoma cells. <i>Cell Biochemistry and Function</i> , <b>2007</b> , 25, 357-62	4.2	8
41	Chemical analyses of Ukrain, a semi-synthetic Chelidonium majus alkaloid derivative, fail to confirm its trimeric structure. <i>Cancer Letters</i> , <b>2000</b> , 160, 237-41	9.9	8
40	A bis-sulphamoylated estradiol derivative induces ROS-dependent cell cycle abnormalities and subsequent apoptosis. <i>PLoS ONE</i> , <b>2017</b> , 12, e0176006	3.7	8
39	Characterization of Carbonic Anhydrase Isozyme Specific Inhibition by Sulfamated 2-Ethylestra Compounds. <i>Letters in Drug Design and Discovery</i> , <b>2011</b> , 8, 678-684	0.8	8
38	In vitro effects of 2-methoxyestradiol-bis-sulphamate on cell growth, morphology and cell cycle dynamics in the MCF-7 breast adenocarcinoma cell line. <i>Biocell</i> , <b>2010</b> , 34, 71-80	1.9	8
37	Influence of estradiol analogue on cell growth, morphology and death in esophageal carcinoma cells. <i>Biocell</i> , <b>2010</b> , 34, 113-20	1.9	8
36	Influence of prostaglandin A2 on Bax, Bcl-2 and PCNA expression in MCF-7 cells. <i>Biomedical Research</i> , <b>2006</b> , 27, 157-62	1.5	7
35	Brief Note: Influence of 2-methoxyestradiol on MCF-7 cells: An improved differential interference contrasting technique and Bcl-2 and Bax protein expression levels. <i>Biocell</i> , <b>2009</b> , 33, 67-70	1.9	7
34	In vitro effects of 2-methoxyestradiol-bis-sulphamate on cell growth, morphology and cell cycle dynamics in the MCF-7 breast adenocarcinoma cell line. <i>Biocell</i> , <b>2010</b> , 34, 71-9	1.9	7
33	Modes of cell death induced by tetrahydroisoquinoline-based analogs in MDA-MB-231 breast and A549 lung cancer cell lines. <i>Drug Design, Development and Therapy</i> , <b>2018</b> , 12, 1881-1904	4.4	6
32	An in vitro and in vivo study on the properties of hollow polycaprolactone cell-delivery particles. <i>PLoS ONE</i> , <b>2018</b> , 13, e0198248	3.7	6
31	Differential cellular interaction of Sutherlandia frutescens extracts on tumorigenic and non-tumorigenic breast cells. <i>South African Journal of Botany</i> , <b>2014</b> , 90, 59-67	2.9	6
30	Identification of a tyrosine kinase-phosphorylated protein in arachidonic acid- and prostaglandin A(2)-treated cells in vitro. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , <b>2001</b> , 65, 173-7	2.8	6

29	Influence of 2-methoxyestradiol on cell morphology and cdc2 kinase activity in WHCO3 esophageal carcinoma cells. <i>Biomedical Research</i> , <b>2007</b> , 28, 9-16	1.5	6
28	Influence of 2-methoxyestradiol on MCF-7 cells: an improved differential interference contrasting technique and Bcl-2 and Bax protein expression levels. <i>Biocell</i> , <b>2009</b> , 33, 67-70	1.9	6
27	2-Methoxyestradiol-bis-sulphamate refrains from inducing apoptosis and autophagy in a non-tumorigenic breast cell line. <i>Cancer Cell International</i> , <b>2012</b> , 12, 37	6.4	5
26	Exposure of Breast and Lung Cancer Cells to a Novel Estrone Analog Prior to Radiation Enhances Bcl-2-Mediated Cell Death. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	5
25	C2- and C4-position 17beta-estradiol metabolites and their relation to breast cancer. <i>Biocell</i> , <b>2009</b> , 33, 137-40	1.9	5
24	In vitro assessment of a computer-designed potential anticancer agent in cervical cancer cells. <i>Biological Research</i> , <b>2016</b> , 49, 43	7.6	4
23	Autophagy induced by a sulphamoylated estrone analogue contributes to its cytotoxic effect on breast cancer cells. <i>Cancer Cell International</i> , <b>2016</b> , 16, 91	6.4	4
22	In vitro quantification: Long-term effect of glucose deprivation on various cancer cell lines. <i>Nutrition</i> , <b>2020</b> , 74, 110748	4.8	3
21	Ultrastructural changes of erythrocytes in whole blood after exposure to prospective in silico-designed anticancer agents: a qualitative case study. <i>Biological Research</i> , <b>2014</b> , 47, 39	7.6	3
20	The identification of a shared immunogen present in the salivary glands and gut of ixodid and argasid ticks. <i>Experimental and Applied Acarology</i> , <b>1992</b> , 15, 205-10	2.1	3
19	Influence of prostaglandin A2 and 2-methoxyestradiol on mitogen-activated protein kinase (MAPK) expression levels in malignant cell lines. <i>Biomedical Research</i> , <b>2004</b> , 25, 133-139	1.5	3
18	Characterization of Signalling Pathways That Link Apoptosis and Autophagy to Cell Death Induced by Estrone Analogues Which Reversibly Depolymerize Microtubules. <i>Molecules</i> , <b>2021</b> , 26,	4.8	3
17	Promising anticancer activity of batumin: a natural polyene antibiotic produced by <i>Pseudomonas batumici</i> . <i>Future Medicinal Chemistry</i> , <b>2018</b> , 10, 2187-2199	4.1	2
16	An estrogen analogue and promising anticancer agent refrains from inducing morphological damage and reactive oxygen species generation in erythrocytes, fibrin and platelets: a pilot study. <i>Cancer Cell International</i> , <b>2014</b> , 14, 48	6.4	2
15	Induction of the intrinsic apoptotic pathway via a new antimitotic agent in an esophageal carcinoma cell line. <i>Cell and Bioscience</i> , <b>2014</b> , 4, 68	9.8	2
14	Influence of chelidonine, an inhibitor of tubulin polymerisation on tyrosine kinase activity in normal, transformed and malignant cell lines. <i>Biomedical Research</i> , <b>2004</b> , 25, 27-33	1.5	2
13	Effects of non-thermal mobile phone radiation on breast adenocarcinoma cells. <i>South African Journal of Science</i> , <b>2011</b> , 107,	1.3	2
12	Sulphamoylated Estradiol Analogue Induces Reactive Oxygen Species Generation to Exert Its Antiproliferative Activity in Breast Cancer Cell Lines. <i>Molecules</i> , <b>2020</b> , 25,	4.8	2

11	A Combination of an Antimitotic and a Bromodomain 4 Inhibitor Synergistically Inhibits the Metastatic MDA-MB-231 Breast Cancer Cell Line. <i>BioMed Research International</i> , <b>2019</b> , 2019, 1850462	3	2
10	Comparison of structures and cytotoxicity of mupirocin and batumin against melanoma and several other cancer cell lines. <i>Future Medicinal Chemistry</i> , <b>2019</b> , 11, 677-691	4.1	1
9	The in vitro effects of a novel estradiol analog on cell proliferation and morphology in human epithelial cervical carcinoma. <i>Cellular and Molecular Biology Letters</i> , <b>2018</b> , 23, 10	8.1	1
8	Ex vivo apoptotic and autophagic influence of an estradiol analogue on platelets. <i>Experimental Hematology and Oncology</i> , <b>2015</b> , 5, 18	7.8	1
7	Influence of Prostaglandin A2 and 2-Methoxyestradiol on Telomerase Activity in Cancer Cell Lines and a Non-tumorigenic Epithelial Breast Cell Line. <i>Biomedical Research</i> , <b>2003</b> , 24, 125-131	1.5	1
6	The immuno-oncological implications of insulin. <i>Life Sciences</i> , <b>2021</b> , 264, 118716	6.8	1
5	Apoptotic profiling of chronic myeloid leukaemia patients' platelets ex vivo before and after treatment with Imatinib. <i>Cell Biochemistry and Function</i> , <b>2021</b> , 39, 562-570	4.2	1
4	A novel non-sulphamoylated 2-methoxyestradiol derivative causes detachment of breast cancer cells by rapid disassembly of focal adhesions. <i>Cancer Cell International</i> , <b>2018</b> , 18, 188	6.4	1
3	A Novel 2-Methoxyestradiol Analogue Is Responsible for Vesicle Disruption and Lysosome Aggregation in Breast Cancer Cells. <i>Pharmacology</i> , <b>2018</b> , 102, 9-16	2.3	
2	Ex vivo Determination of an Estradiol Analogue-Induced Changes on Platelet Morphology and Angiogenic Biomarkers. <i>Microscopy and Microanalysis</i> , <b>2015</b> , 21, 1491-1503	0.5	
1	Adenosine Triphosphate (ATP) in the MCF-12A Epithelial Cell: Square Wave (150 Hz Pulsed Saw Tooth-like Waveform) versus AC Electric Stimulation in vitro. <i>Biomedical Research</i> , <b>2002</b> , 23, 249-253	1.5	