

Annie Joubert

List of Publications by Year in descending order

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107
papers

10,178
citations

257101

24
h-index

33814

99
g-index

108
all docs

108
docs citations

108
times ranked

22623
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	4.3	3,122
3	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> , 2015, 8, 47.	0.6	318
4	Antimitotic drugs in the treatment of cancer. <i>Cancer Chemotherapy and Pharmacology</i> , 2015, 76, 1101-1112.	1.1	147
5	Novel sulphamoylated 2-methoxy estradiol derivatives inhibit breast cancer migration by disrupting microtubule turnover and organization. <i>Cancer Cell International</i> , 2019, 19, 1.	1.8	130
6	Warburg effect and its role in tumourigenesis. <i>Archives of Pharmacal Research</i> , 2019, 42, 833-847.	2.7	77
7	Crosstalk between the Warburg effect, redox regulation and autophagy induction in tumourigenesis. <i>Cellular and Molecular Biology Letters</i> , 2018, 23, 20.	2.7	70
8	Eryptosis: An Erythrocyte's Suicidal Type of Cell Death. <i>BioMed Research International</i> , 2018, 2018, 1-10.	0.9	69
9	Effects of ω -3- and ω -6-Polyunsaturated Fatty Acids on RANKL-Induced Osteoclast Differentiation of RAW264.7 Cells: A Comparative in Vitro Study. <i>Nutrients</i> , 2014, 6, 2584-2601.	1.7	67
10	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> , 1998, 22, 603-619.	0.7	55
11	The effects of chelidonine on tubulin polymerisation, cell cycle progression and selected signal transmission pathways. <i>European Journal of Cell Biology</i> , 2001, 80, 111-118.	1.6	52
12	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> , 1996, 20, 583-598.	0.7	48
13	Docking, Synthesis, and in vitro Evaluation of Antimitotic Estrone Analogs. <i>Chemical Biology and Drug Design</i> , 2011, 77, 173-181.	1.5	48
14	Effects of glutamine deprivation on oxidative stress and cell survival in breast cell lines. <i>Biological Research</i> , 2019, 52, 15.	1.5	44
15	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> , 2009, 124, 45-60.	2.0	40
16	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> , 2010, 119, 149-160.	1.2	40
17	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> , 1995, 19, 79-92.	0.7	38
18	Piperine alleviates osteoclast formation through the p38/c-Jun/NFATc1 signaling axis. <i>BioFactors</i> , 2015, 41, 403-413.	2.6	36

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19	<i>In vitro</i> effects of 2-methoxyestradiol on MCF-12A and MCF-7 cell growth, morphology and mitotic spindle formation. <i>Cell Biochemistry and Function</i> , 2008, 26, 632-642.	1.4	34
20	Influence of <i>Sutherlandia frutescens</i> extracts on cell numbers, morphology and gene expression in MCF-7 cells. <i>Journal of Ethnopharmacology</i> , 2007, 112, 312-318.	2.0	33
21	2-Methoxyestradiol-bis-sulfamate induces apoptosis and autophagy in a tumorigenic breast epithelial cell line. <i>Molecular and Cellular Biochemistry</i> , 2011, 357, 343-352.	1.4	30
22	Platelet Function, Role in Thrombosis, Inflammation, and Consequences in Chronic Myeloproliferative Disorders. <i>Cells</i> , 2021, 10, 3034.	1.8	30
23	Effects of arachidonic acid, docosahexaenoic acid and prostaglandin E2 on cell proliferation and morphology of MG-63 and MC3T3-E1 osteoblast-like cells. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2007, 76, 35-45.	1.0	28
24	Tumor cell culture survival following glucose and glutamine deprivation at typical physiological concentrations. <i>Nutrition</i> , 2014, 30, 218-227.	1.1	27
25	An overview of the role of platelets in angiogenesis, apoptosis and autophagy in chronic myeloid leukaemia. <i>Cancer Cell International</i> , 2017, 17, 89.	1.8	27
26	The antimetabolic effects of Ukrain, a Chelidonium majus alkaloid derivative, are reversible in vitro. <i>Cancer Letters</i> , 2000, 150, 85-92.	3.2	26
27	Hydroxyapatite-coated polyurethane for auricular cartilage replacement: An in vitro study. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 84A, 475-482.	2.1	26
28	In Vitro Evaluation of ESE-15-ol, an Estradiol Analogue with Nanomolar Antimetabolic and Carbonic Anhydrase Inhibitory Activity. <i>PLoS ONE</i> , 2012, 7, e52205.	1.1	25
29	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> , 2010, 15, 564-81.	2.7	24
30	Bax/Bcl-2 expression levels of 2-methoxyestradiol-exposed esophageal cancer cells. <i>Biomedical Research</i> , 2005, 26, 131-134.	0.3	24
31	Molecular crosstalk between apoptosis and autophagy induced by a novel 2-methoxyestradiol analogue in cervical adenocarcinoma cells. <i>Cancer Cell International</i> , 2013, 13, 87.	1.8	23
32	Sulphamoylated 2-Methoxyestradiol Analogues Induce Apoptosis in Adenocarcinoma Cell Lines. <i>PLoS ONE</i> , 2013, 8, e71935.	1.1	23
33	Ukrain, a semisynthetic Chelidonium majus alkaloid derivative, acts by inhibition of tubulin polymerization in normal and malignant cell lines. <i>Cancer Letters</i> , 2000, 160, 149-157.	3.2	22
34	In vitro effects of an in silico-modelled 17 β -estradiol derivative in combination with dichloroacetic acid on MCF-7 and MCF-12A cells. <i>Cell Proliferation</i> , 2011, 44, 567-581.	2.4	21
35	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> , 2011, 11, 43.	1.8	21
36	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> , 2015, 35, 1499-1526.	1.1	21

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37	Effects of environmental endocrine disruptors, including insecticides used for malaria vector control on reproductive parameters of male rats. <i>Reproductive Toxicology</i> , 2016, 61, 19-27.	1.3	21
38	Novel estradiol analogue induces apoptosis and autophagy in esophageal carcinoma cells. <i>Cellular and Molecular Biology Letters</i> , 2014, 19, 98-115.	2.7	20
39	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> , 2012, 23, 3029-3040.	1.7	19
40	Signaling Pathways of ESE-16, an Antimitotic and Anticarbonic Anhydrase Estradiol Analog, in Breast Cancer Cells. <i>PLoS ONE</i> , 2013, 8, e53853.	1.1	19
41	<i>In vitro</i> effects of 2-methoxyestradiol on cell numbers, morphology, cell cycle progression, and apoptosis induction in oesophageal carcinoma cells. <i>Cell Biochemistry and Function</i> , 2009, 27, 205-210.	1.4	18
42	The apoptosis inducing effects of <i>Sutherlandia</i> spp. extracts on an oesophageal cancer cell line. <i>Journal of Ethnopharmacology</i> , 2011, 137, 1250-1260.	2.0	18
43	17-beta-estradiol analog inhibits cell proliferation by induction of apoptosis in breast cell lines. <i>Microscopy Research and Technique</i> , 2014, 77, 236-242.	1.2	18
44	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> , 2018, 19, 1148.	1.8	18
45	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> , 2002, 58, 171-176.	0.8	17
46	The effects of prostaglandin A2 on cell growth, cell cycle status and apoptosis induction in HeLa and MCF-7 cells. <i>Cancer Letters</i> , 2003, 191, 203-209.	3.2	17
47	Identification of plumbagin epoxide as a germination inhibitory compound through a rapid bioassay on TLC. <i>South African Journal of Botany</i> , 2007, 73, 654-656.	1.2	17
48	Sulphamoylated estradiol analogue induces antiproliferative activity and apoptosis in breast cell lines. <i>Cellular and Molecular Biology Letters</i> , 2012, 17, 549-58.	2.7	16
49	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> , 2000, 62, 75-84.	1.0	15
50	Differential signaling involved in <i>Sutherlandia frutescens</i> -induced cell death in MCF-7 and MCF-12A cells. <i>Journal of Ethnopharmacology</i> , 2012, 140, 123-130.	2.0	15
51	Influence of prostaglandin A2 and 2-methoxyestradiol on Bax and Bcl-2 expression levels in cervical carcinoma cells. <i>Biomedical Research</i> , 2005, 26, 87-90.	0.3	15
52	<i>In vitro</i> changes in mitochondrial potential, aggresome formation and caspase activity by a novel 17-estradiol analogue in breast adenocarcinoma cells. <i>Cell Biochemistry and Function</i> , 2013, 31, 566-574.	1.4	14
53	Anthracene-Polyamine Conjugates Inhibit <i>In Vitro</i> Proliferation of Intraerythrocytic <i>Plasmodium falciparum</i> Parasites. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 2874-2877.	1.4	14
54	Influence of partial and complete glutamine-and glucose deprivation of breast-and cervical tumorigenic cell lines. <i>Cell and Bioscience</i> , 2015, 5, 37.	2.1	14

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55	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> , 1999, 61, 171-182.	1.0	13
56	A 2-methoxyestradiol bis-sulphamoylated derivative induces apoptosis in breast cell lines. <i>Cell and Bioscience</i> , 2015, 5, 19.	2.1	13
57	Novel in silico-designed estradiol analogues are cytotoxic to a multidrug-resistant cell line at nanomolar concentrations. <i>Cancer Chemotherapy and Pharmacology</i> , 2015, 75, 431-437.	1.1	13
58	A bis-sulphamoylated estradiol derivative induces ROS-dependent cell cycle abnormalities and subsequent apoptosis. <i>PLoS ONE</i> , 2017, 12, e0176006.	1.1	13
59	Chemical analyses of Ukrainâ„¸, a semi-synthetic Chelidonium majus alkaloid derivative, fail to confirm its trimeric structure. <i>Cancer Letters</i> , 2000, 160, 237-241.	3.2	12
60	2-methoxyestradiol strongly inhibits human uterine sarcomatous cell growth. <i>Gynecologic Oncology</i> , 2003, 91, 299-308.	0.6	12
61	<i>In vitro</i> effects of 2-methoxyestradiolâ€¸bisâ€¸sulphamate on the nonâ€¸tumorigenic MCFâ€¸12A cell line. <i>Cell Biochemistry and Function</i> , 2010, 28, 412-419.	1.4	12
62	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> , 2018, 19, 2887.	1.8	11
63	<i>In vitro</i> effects of 2-methoxyestradiol on cell morphology and Cdc2 Kinase activity in SNO oesophageal carcinoma cells. <i>Cell Biochemistry and Function</i> , 2007, 25, 357-362.	1.4	10
64	<i>In vitro</i> 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> , 2010, 34, 71-80.	0.4	10
65	The <i>in vitro</i> effects of a novel estradiol analog on cell proliferation and morphology in human epithelial cervical carcinoma. <i>Cellular and Molecular Biology Letters</i> , 2018, 23, 10.	2.7	9
66	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> , 2009, 33, 67-70.	0.4	9
67	<i>In vitro</i> quantification: Long-term effect of glucose deprivation on various cancer cell lines. <i>Nutrition</i> , 2020, 74, 110748.	1.1	8
68	Characterization of Carbonic Anhydrase Isozyme Specific Inhibition by Sulfamated 2-Ethylestra Compounds. <i>Letters in Drug Design and Discovery</i> , 2011, 8, 678-684.	0.4	8
69	Influence of estradiol analogue on cell growth, morphology and death in esophageal carcinoma cells. <i>Biocell</i> , 2010, 34, 113-20.	0.4	8
70	Differential cellular interaction of <i>Sutherlandia frutescens</i> extracts on tumorigenic and non-tumorigenic breast cells. <i>South African Journal of Botany</i> , 2014, 90, 59-67.	1.2	7
71	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> , 2018, Volume 12, 1881-1904.	2.0	7
72	An <i>in vitro</i> and <i>in vivo</i> study on the properties of hollow polycaprolactone cell-delivery particles. <i>PLoS ONE</i> , 2018, 13, e0198248.	1.1	7

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73	Influence of prostaglandin A2 on Bax, Bcl-2 and PCNA expression in MCF-7 cells. <i>Biomedical Research</i> , 2006, 27, 157-162.	0.3	7
74	Influence of 2-methoxyestradiol on cell morphology and Cdc2 Kinase activity in WHCO3 esophageal carcinoma cells. <i>Biomedical Research</i> , 2007, 28, 9-16.	0.3	7
75	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> , 2010, 34, 71-9.	0.4	7
76	Identification of a tyrosine kinase-phosphorylated protein in arachidonic acid- and Prostaglandin A2-treated cells in vitro. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2001, 65, 173-177.	1.0	6
77	2-Methoxyestradiol-bis-sulphamate refrains from inducing apoptosis and autophagy in a non-tumorigenic breast cell line. <i>Cancer Cell International</i> , 2012, 12, 37.	1.8	6
78	Autophagy induced by a sulphamoylated estrone analogue contributes to its cytotoxic effect on breast cancer cells. <i>Cancer Cell International</i> , 2016, 16, 91.	1.8	6
79	A novel non-sulphamoylated 2-methoxyestradiol derivative causes detachment of breast cancer cells by rapid disassembly of focal adhesions. <i>Cancer Cell International</i> , 2018, 18, 188.	1.8	6
80	In Vitro Effects of Papaverine on Cell Proliferation, Reactive Oxygen Species, and Cell Cycle Progression in Cancer Cells. <i>Molecules</i> , 2021, 26, 6388.	1.7	6
81	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> , 2009, 33, 67-70.	0.4	6
82	In vitro assessment of a computer-designed potential anticancer agent in cervical cancer cells. <i>Biological Research</i> , 2016, 49, 43.	1.5	5
83	The immuno-oncological implications of insulin. <i>Life Sciences</i> , 2021, 264, 118716.	2.0	5
84	Characterization of Signalling Pathways That Link Apoptosis and Autophagy to Cell Death Induced by Estrone Analogues Which Reversibly Depolymerize Microtubules. <i>Molecules</i> , 2021, 26, 706.	1.7	5
85	C2- and C4-position 17beta-estradiol metabolites and their relation to breast cancer. <i>Biocell</i> , 2009, 33, 137-40.	0.4	5
86	The identification of a shared immunogen present in the salivary glands and gut of ixodid and argasid ticks. <i>Experimental and Applied Acarology</i> , 1992, 15, 205-210.	0.7	4
87	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> , 2014, 14, 48.	1.8	4
88	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> , 2019, 2019, 1-13.	0.9	4
89	Sulphamoylated Estradiol Analogue Induces Reactive Oxygen Species Generation to Exert Its Antiproliferative Activity in Breast Cancer Cell Lines. <i>Molecules</i> , 2020, 25, 4337.	1.7	4
90	Ultrastructural changes of erythrocytes in whole blood after exposure to prospective in silico-designed anticancer agents: a qualitative case study. <i>Biological Research</i> , 2014, 47, 39.	1.5	3

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91	Induction of the intrinsic apoptotic pathway via a new antimetabolic agent in an esophageal carcinoma cell line. <i>Cell and Bioscience</i> , 2014, 4, 68.	2.1	3
92	Promising anticancer activity of batumin: a natural polyene antibiotic produced by <i>Pseudomonas batumici</i> . <i>Future Medicinal Chemistry</i> , 2018, 10, 2187-2199.	1.1	3
93	Apoptotic profiling of chronic myeloid leukaemia patients' platelets ex vivo before and after treatment with Imatinib. <i>Cell Biochemistry and Function</i> , 2021, 39, 562-570.	1.4	3
94	Influence of prostaglandin A2 and 2-methoxyestradiol on mitogen-activated protein kinase (MAPK) expression levels in malignant cell lines. <i>Biomedical Research</i> , 2004, 25, 133-139.	0.3	3
95	Influence of chelidonine, an inhibitor of tubulin polymerisation on tyrosine kinase activity in normal, transformed and malignant cell lines. <i>Biomedical Research</i> , 2004, 25, 27-33.	0.3	2
96	Ex vivo apoptotic and autophagic influence of an estradiol analogue on platelets. <i>Experimental Hematology and Oncology</i> , 2015, 5, 18.	2.0	2
97	Intracellular Signaling Responses Induced by Radiation within an In Vitro Bone Metastasis Model after Pre-Treatment with an Estrone Analogue. <i>Cells</i> , 2021, 10, 2105.	1.8	2
98	Effects of non-thermal mobile phone radiation on breast adenocarcinoma cells. <i>South African Journal of Science</i> , 2011, 107, .	0.3	2
99	In Vitro Effects of Papaverine on Cell Migration and Vascular Endothelial Growth Factor in Cancer Cell Lines. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4654.	1.8	2
100	Ex vivo Determination of an Estradiol Analogue-Induced Changes on Platelet Morphology and Angiogenic Biomarkers. <i>Microscopy and Microanalysis</i> , 2015, 21, 1491-1503.	0.2	1
101	A Novel 2-Methoxyestradiol Analogue Is Responsible for Vesicle Disruption and Lysosome Aggregation in Breast Cancer Cells. <i>Pharmacology</i> , 2018, 102, 9-16.	0.9	1
102	Comparison of structures and cytotoxicity of mupirocin and batumin against melanoma and several other cancer cell lines. <i>Future Medicinal Chemistry</i> , 2019, 11, 677-691.	1.1	1
103	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> , 2003, 24, 125-131.	0.3	1
104	Ex vivo platelet morphology assessment of chronic myeloid leukemia patients before and after Imatinib treatment. <i>Microscopy Research and Technique</i> , 2022, 85, 2222-2233.	1.2	1
105	Cell Fate following Irradiation of MDA-MB-231 and MCF-7 Breast Cancer Cells Pre-Exposed to the Tetrahydroisoquinoline Sulfamate Microtubule Disruptor STX3451. <i>Molecules</i> , 2022, 27, 3819.	1.7	1
106	Dysregulation of Catalase by a Sulphamoylated Estradiol Analogue Culminates in Antimetabolic Activity and Cell Death Induction in Breast Cancer Cell Lines. <i>Molecules</i> , 2021, 26, 622.	1.7	0
107	Adenosine Triphosphate (ATP) in the MCF-12A Epithelial Cell: Square Wave (150 Hz Pulsed Saw Tooth-like) Tj ETQq1 1 0.784314 rgBT 0.3 0	0.3	0