

Anna Mart Engelbrecht

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

84
papers

8,395
citations

24
h-index

90
g-index

90
ext. papers

9,472
ext. citations

5.8
avg, IF

5.19
L-index

#	Paper	IF	Citations
84	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
83	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012 , 8, 445-546.2	10.2	2783
82	The variability of autophagy and cell death susceptibility: Unanswered questions. <i>Autophagy</i> , 2013 , 9, 1270-85	10.2	112
81	Proanthocyanidin from grape seeds inactivates the PI3-kinase/PKB pathway and induces apoptosis in a colon cancer cell line. <i>Cancer Letters</i> , 2007 , 258, 144-53	9.9	107
80	Mitochondrial catastrophe during doxorubicin-induced cardiotoxicity: a review of the protective role of melatonin. <i>Journal of Pineal Research</i> , 2014 , 57, 367-80	10.4	103
79	Diet-induced obesity alters signalling pathways and induces atrophy and apoptosis in skeletal muscle in a prediabetic rat model. <i>Experimental Physiology</i> , 2011 , 96, 179-93	2.4	100
78	Autophagy upregulation promotes survival and attenuates doxorubicin-induced cardiotoxicity. <i>Biochemical Pharmacology</i> , 2013 , 85, 124-34	6	95
77	AHNAK: the giant jack of all trades. <i>Cellular Signalling</i> , 2014 , 26, 2683-93	4.9	71
76	p38 and JNK have distinct regulatory functions on the development of apoptosis during simulated ischaemia and reperfusion in neonatal cardiomyocytes. <i>Basic Research in Cardiology</i> , 2004 , 99, 338-50	11.8	69
75	At the core of survival: autophagy delays the onset of both apoptotic and necrotic cell death in a model of ischemic cell injury. <i>Experimental Cell Research</i> , 2011 , 317, 1437-53	4.2	66
74	Tumor necrosis factor alpha (TNF- α) inactivates the PI3-kinase/PKB pathway and induces atrophy and apoptosis in L6 myotubes. <i>Cytokine</i> , 2011 , 54, 173-84	4	58
73	Docosahexaenoic acid induces apoptosis in colorectal carcinoma cells by modulating the PI3 kinase and p38 MAPK pathways. <i>Journal of Nutritional Biochemistry</i> , 2009 , 20, 106-14	6.3	57
72	Cell death: a dynamic response concept. <i>Autophagy</i> , 2009 , 5, 590-603	10.2	53
71	Mechanisms of doxorubicin-induced drug resistance and drug resistant tumour growth in a murine breast tumour model. <i>BMC Cancer</i> , 2019 , 19, 757	4.8	45
70	Serum amyloid A binds to fibrin(ogen), promoting fibrin amyloid formation. <i>Scientific Reports</i> , 2019 , 9, 3102	4.9	37
69	Long-chain polyunsaturated fatty acids protect the heart against ischemia/reperfusion-induced injury via a MAPK dependent pathway. <i>Journal of Molecular and Cellular Cardiology</i> , 2005 , 39, 940-54	5.8	31
68	Doxorubicin induces protein ubiquitination and inhibits proteasome activity during cardiotoxicity. <i>Toxicology</i> , 2013 , 309, 23-9	4.4	29

67	Differential induction of apoptosis and inhibition of the PI3-kinase pathway by saturated, monounsaturated and polyunsaturated fatty acids in a colon cancer cell model. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2008 , 13, 1368-77	5.4	27
66	Cancer stem cells: A product of clonal evolution?. <i>International Journal of Cancer</i> , 2017 , 140, 993-999	7.5	26
65	Autophagy is essential for the maintenance of amino acids and ATP levels during acute amino acid starvation in MDAMB231 cells. <i>Cell Biochemistry and Function</i> , 2018 , 36, 65-79	4.2	25
64	Role of PKM2 in directing the metabolic fate of glucose in cancer: a potential therapeutic target. <i>Cellular Oncology (Dordrecht)</i> , 2018 , 41, 343-351	7.2	25
63	Melatonin improves cardiac and mitochondrial function during doxorubicin-induced cardiotoxicity: A possible role for peroxisome proliferator-activated receptor gamma coactivator 1-alpha and sirtuin activity?. <i>Toxicology and Applied Pharmacology</i> , 2018 , 358, 86-101	4.6	25
62	p38-MAPK and PKB/Akt, possible role players in red palm oil-induced protection of the isolated perfused rat heart?. <i>Journal of Nutritional Biochemistry</i> , 2006 , 17, 265-71	6.3	24
61	Autophagy--A free meal in sickness-associated anorexia. <i>Autophagy</i> , 2016 , 12, 727-34	10.2	23
60	The role of mTOR during cisplatin treatment in an in vitro and ex vivo model of cervical cancer. <i>Toxicology</i> , 2015 , 335, 72-8	4.4	22
59	Bcl-2 confers survival in cisplatin treated cervical cancer cells: circumventing cisplatin dose-dependent toxicity and resistance. <i>Journal of Translational Medicine</i> , 2015 , 13, 328	8.5	21
58	Dietary red palm oil reduces ischaemia-reperfusion injury in rats fed a hypercholesterolaemic diet. <i>British Journal of Nutrition</i> , 2007 , 97, 653-60	3.6	21
57	Cannabinoids: the lows and the highs of chemotherapy-induced nausea and vomiting. <i>Future Oncology</i> , 2019 , 15, 1035-1049	3.6	20
56	Hyperglycaemia in critically ill patients: the immune system's sweet tooth. <i>Critical Care</i> , 2017 , 21, 202	10.8	20
55	Insulin as an immunomodulatory hormone. <i>Cytokine and Growth Factor Reviews</i> , 2020 , 52, 34-44	17.9	20
54	Enhanced Therapeutic Efficacy in Cancer Patients by Short-term Fasting: The Autophagy Connection. <i>Frontiers in Oncology</i> , 2016 , 6, 242	5.3	19
53	Chemoresistance: Intricate Interplay Between Breast Tumor Cells and Adipocytes in the Tumor Microenvironment. <i>Frontiers in Endocrinology</i> , 2018 , 9, 758	5.7	19
52	Metabolic hijacking: A survival strategy cancer cells exploit?. <i>Critical Reviews in Oncology/Hematology</i> , 2017 , 109, 1-8	7	18
51	Daily brief restraint stress alters signaling pathways and induces atrophy and apoptosis in rat skeletal muscle. <i>Stress</i> , 2010 , 13, 132-41	3	18
50	Nutrient excess and autophagic deficiency: explaining metabolic diseases in obesity. <i>Metabolism: Clinical and Experimental</i> , 2018 , 82, 14-21	12.7	16

49	A nontoxic concentration of cisplatin induces autophagy in cervical cancer: selective cancer cell death with autophagy inhibition as an adjuvant treatment. <i>International Journal of Gynecological Cancer</i> , 2015 , 25, 380-8	3.5	15
48	Sickness-Associated Anorexia: Mother Nature's Idea of Immunonutrition?. <i>Mediators of Inflammation</i> , 2016 , 2016, 8071539	4.3	14
47	Health benefits of a natural carotenoid rich oil: a proposed mechanism of protection against ischaemia/ reperfusion injury. <i>Asia Pacific Journal of Clinical Nutrition</i> , 2008 , 17 Suppl 1, 316-9	1	14
46	Bone resorption: supporting immunometabolism. <i>Biology Letters</i> , 2018 , 14,	3.6	13
45	Doxorubicin resistance in breast cancer: A novel role for the human protein AHNAK. <i>Biochemical Pharmacology</i> , 2018 , 148, 174-183	6	13
44	Autophagy in heart disease: a strong hypothesis for an untouched metabolic reserve. <i>Medical Hypotheses</i> , 2011 , 77, 52-7	3.8	13
43	Daunorubicin therapy is associated with upregulation of E3 ubiquitin ligases in the heart. <i>Experimental Biology and Medicine</i> , 2012 , 237, 219-26	3.7	13
42	Inflammation-induced metabolic derangements or adaptation: An immunometabolic perspective. <i>Cytokine and Growth Factor Reviews</i> , 2018 , 43, 47-53	17.9	12
41	Anti-inflammatory mechanisms of cannabinoids: an immunometabolic perspective. <i>Inflammopharmacology</i> , 2019 , 27, 39-46	5.1	12
40	On the evolutionary origin of the adaptive immune system--the adipocyte hypothesis. <i>Immunology Letters</i> , 2015 , 164, 81-7	4.1	11
39	Ex vivo study of MAPK profiles correlated with parameters of apoptosis during cervical carcinogenesis. <i>Cancer Letters</i> , 2006 , 235, 93-9	9.9	11
38	Fatty acids: Adiposity and breast cancer chemotherapy, a bad synergy?. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2019 , 140, 18-33	2.8	11
37	Circadian Rhythms and Breast Cancer: The Role of Per2 in Doxorubicin-Induced Cell Death. <i>Journal of Toxicology</i> , 2015 , 2015, 392360	3.1	10
36	Apoptosis is mediated by cytosolic phospholipase A2 during simulated ischaemia/reperfusion-induced injury in neonatal cardiac myocytes. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2007 , 77, 37-43	2.8	10
35	Sutherlandia frutescens treatment induces apoptosis and modulates the PI3-kinase pathway in colon cancer cells. <i>South African Journal of Botany</i> , 2015 , 100, 20-26	2.9	9
34	Nutritional support in sepsis: when less may be more. <i>Critical Care</i> , 2020 , 24, 53	10.8	9
33	The effect of dietary red palm oil on the functional recovery of the ischaemic/reperfused isolated rat heart: the involvement of the PI3-kinase signaling pathway. <i>Lipids in Health and Disease</i> , 2009 , 8, 18	4.4	9
32	Decreased Efficacy of Doxorubicin Corresponds With Modifications in Lipid Metabolism Markers and Fatty Acid Profiles in Breast Tumors From Obese vs. Lean Mice. <i>Frontiers in Oncology</i> , 2020 , 10, 306	5.3	8

31	Dietary red palm oil protects the heart against the cytotoxic effects of anthracycline. <i>Cell Biochemistry and Function</i> , 2011 , 29, 356-64	4.2	7
30	Comparison of the fatty acid compositions in intraepithelial and infiltrating lesions of the cervix: part II, free fatty acid profiles. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 1998 , 59, 253-7	2.8	7
29	Ischaemic preconditioning and TNF-alpha-mediated preconditioning is associated with a differential cPLA2 translocation pattern in early ischaemia. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2008 , 78, 403-13	2.8	7
28	Intermittent insulin treatment mimics ischemic postconditioning via MitoKATP channels, ROS, and RISK. <i>Scandinavian Cardiovascular Journal</i> , 2015 , 49, 270-9	2	6
27	Comparison of the fatty acid compositions in intraepithelial and infiltrating lesions of the cervix: part I, total fatty acid profiles. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 1998 , 59, 247-51	2.8	6
26	Serum amyloid A and inflammasome activation: A link to breast cancer progression?. <i>Cytokine and Growth Factor Reviews</i> , 2021 , 59, 62-70	17.9	6
25	Phosphatidylinositol-3-kinase (PI3K) activity decreases in C2C12 myotubes during acute simulated ischemia at a cost to their survival. <i>Life Sciences</i> , 2012 , 91, 44-53	6.8	5
24	Inhibition of Akt Attenuates RPO-Induced Cardioprotection. <i>Cardiology Research and Practice</i> , 2012 , 2012, 392457	1.9	5
23	How Does Inflammation-Induced Hyperglycemia Cause Mitochondrial Dysfunction in Immune Cells?. <i>BioEssays</i> , 2019 , 41, e1800260	4.1	4
22	Commentary on: "A common origin for immunity and digestion". <i>Frontiers in Microbiology</i> , 2015 , 6, 531	5.7	4
21	Invertebrates: Why No Adaptive Immune System?. <i>Scandinavian Journal of Immunology</i> , 2016 , 83, 160-1	3.4	3
20	Domesticating Cancer: An Evolutionary Strategy in the War on Cancer. <i>Frontiers in Oncology</i> , 2017 , 7, 304	5.3	3
19	Was the evolutionary road towards adaptive immunity paved with endothelium?. <i>Biology Direct</i> , 2015 , 10, 47	7.2	3
18	Amino Acid Starvation Sensitizes Resistant Breast Cancer to Doxorubicin-Induced Cell Death. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 565915	5.7	3
17	Insulin-mediated immune dysfunction in the development of preeclampsia. <i>Journal of Molecular Medicine</i> , 2021 , 99, 889-897	5.5	3
16	The onco-immunological implications of <i>Fusobacterium nucleatum</i> in breast cancer. <i>Immunology Letters</i> , 2021 , 232, 60-66	4.1	3
15	Diabetes and susceptibility to infections: Implication for COVID-19. <i>Immunology</i> , 2021 , 164, 467-475	7.8	3
14	The role of bile acids in nutritional support. <i>Critical Care</i> , 2018 , 22, 231	10.8	3

13	The paracrine effects of fibroblasts on Doxorubicin-treated breast cancer cells. <i>Experimental Cell Research</i> , 2019 , 381, 280-287	4.2	2
12	Prostate cancer profile and risk stratification of patients treated at Universitas Annex Department of Oncology, Bloemfontein, Free State, during 2008 to 2010. <i>South African Family Practice: Official Journal of the South African Academy of Family Practice/Primary Care</i> , 2015 , 57, 247-252	0.6	2
11	Comparison of the fatty acid compositions in intraepithelial and infiltrating lesions of the cervix: part III, saturated and unsaturated fatty acid profiles. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 1998 , 59, 259-64	2.8	2
10	Cancer tolerance, resistance, pathogenicity and virulence: deconstructing the disease state. <i>Future Oncology</i> , 2016 , 12, 1369-80	3.6	2
9	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, 1850462	3	2
8	Serum Amyloid A Promotes Inflammation-Associated Damage and Tumorigenesis in a Mouse Model of Colitis-Associated Cancer. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021 , 12, 1329-1341	7.9	2
7	Molecular regulation of autophagy in a pro-inflammatory tumour microenvironment: New insight into the role of serum amyloid A. <i>Cytokine and Growth Factor Reviews</i> , 2021 , 59, 71-83	17.9	1
6	The immuno-oncological implications of insulin. <i>Life Sciences</i> , 2021 , 264, 118716	6.8	1
5	The paracrine effects of adipocytes on lipid metabolism in doxorubicin-treated triple negative breast cancer cells. <i>Adipocyte</i> , 2021 , 10, 505-523	3.2	0
4	Serum amyloid A1: Innocent bystander or active participant in cell migration in triple-negative breast cancer?. <i>Experimental Cell Research</i> , 2021 , 406, 112759	4.2	0
3	Evolutionary physiology shows the need for an unprecedented study on sugar. <i>Clinical Nutrition ESPEN</i> , 2019 , 33, 301	1.3	
2	Role of Autophagy in Heart Disease 2014 , 315-328		
1	Bone marrow fat: What is it good for?. <i>Seminars in Arthritis and Rheumatism</i> , 2016 , 45, e14	5.3	