Anna Mart Engelbrecht

List of Publications by Year
in descending order

88 papers	10,302 citations	201674 27 h-index	53230 85 g-index
90 all docs	90 docs citations	90 times ranked	23333 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
3	Mitochondrial catastrophe during doxorubicinâ€induced cardiotoxicity: a review of the protective role of melatonin. Journal of Pineal Research, 2014, 57, 367-380.	7.4	134
4	The variability of autophagy and cell death susceptibility. Autophagy, 2013, 9, 1270-1285.	9.1	126
5	Diet-induced obesity alters signalling pathways and induces atrophy and apoptosis in skeletal muscle in a prediabetic rat model. Experimental Physiology, 2011, 96, 179-193.	2.0	124
6	AHNAK: The giant jack of all trades. Cellular Signalling, 2014, 26, 2683-2693.	3.6	124
7	Proanthocyanidin from grape seeds inactivates the PI3-kinase/PKB pathway and induces apoptosis in a colon cancer cell line. Cancer Letters, 2007, 258, 144-153.	7.2	122
8	Autophagy upregulation promotes survival and attenuates doxorubicin-induced cardiotoxicity. Biochemical Pharmacology, 2013, 85, 124-134.	4.4	121
9	Mechanisms of doxorubicin-induced drug resistance and drug resistant tumour growth in a murine breast tumour model. BMC Cancer, 2019, 19, 757.	2.6	102
10	p38 and JNK have distinct regulatory functions on the development of apoptosis during simulated ischaemia and reperfusion in neonatal cardiomyocytes. Basic Research in Cardiology, 2004, 99, 338-50.	5.9	76
11	At the core of survival: Autophagy delays the onset of both apoptotic and necrotic cell death in a model of ischemic cell injury. Experimental Cell Research, 2011, 317, 1437-1453.	2.6	74
12	Serum amyloid A binds to fibrin(ogen), promoting fibrin amyloid formation. Scientific Reports, 2019, 9, 3102.	3.3	71
13	Tumor necrosis factor alpha (TNF-Î±) inactivates the PI3-kinase/PKB pathway and induces atrophy and apoptosis in L6 myotubes. Cytokine, 2011, 54, 173-184.	3.2	68
14	Docosahexaenoic acid induces apoptosis in colorectal carcinoma cells by modulating the PI3 kinase and p38 MAPK pathways. Journal of Nutritional Biochemistry, 2009, 20, 106-114.	4.2	64
15	Cell death: A dynamic response concept. Autophagy, 2009, 5, 590-603.	9.1	60
16	Insulin as an immunomodulatory hormone. Cytokine and Growth Factor Reviews, 2020, 52, 34-44.	7.2	55
17	<scp>C</scp>ancer stem cells: A product of clonal evolution?. International Journal of Cancer, 2017, 140, 993-999.	5.1	38
18	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?. Toxicology and Applied Pharmacology, 2018, 358, 86-101.	2.8	38

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19	Role of PKM2 in directing the metabolic fate of glucose in cancer: a potential therapeutic target. Cellular Oncology (Dordrecht), 2018, 41, 343-351.	4.4	36
20	Long-chain polyunsaturated fatty acids protect the heart against ischemia/reperfusion-induced injury via a MAPK dependent pathway. Journal of Molecular and Cellular Cardiology, 2005, 39, 940-954.	1.9	35
21	Differential induction of apoptosis and inhibition of the PI3-kinase pathway by saturated, monounsaturated and polyunsaturated fatty acids in a colon cancer cell model. Apoptosis: an International Journal on Programmed Cell Death, 2008, 13, 1368-1377.	4.9	34
22	Doxorubicin induces protein ubiquitination and inhibits proteasome activity during cardiotoxicity. Toxicology, 2013, 309, 23-29.	4.2	34
23	Autophagy is essential for the maintenance of amino acids and ATP levels during acute amino acid starvation in MDAMB231 cells. Cell Biochemistry and Function, 2018, 36, 65-79.	2.9	32
24	Chemoresistance: Intricate Interplay Between Breast Tumor Cells and Adipocytes in the Tumor Microenvironment. Frontiers in Endocrinology, 2018, 9, 758.	3.5	31
25	Enhanced Therapeutic Efficacy in Cancer Patients by Short-term Fasting: The Autophagy Connection. Frontiers in Oncology, 2016, 6, 242.	2.8	30
26	Bcl-2 confers survival in cisplatin treated cervical cancer cells: circumventing cisplatin dose-dependent toxicity and resistance. Journal of Translational Medicine, 2015, 13, 328.	4.4	29
27	p38-MAPK and PKB/Akt, possible role players in red palm oil-induced protection of the isolated perfused rat heart?. Journal of Nutritional Biochemistry, 2006, 17, 265-271.	4.2	26
28	Autophagyâ€"A free meal in sickness-associated anorexia. Autophagy, 2016, 12, 727-734.	9.1	26
29	Metabolic hijacking: A survival strategy cancer cells exploit?. Critical Reviews in Oncology/Hematology, 2017, 109, 1-8.	4.4	26
30	Hyperglycaemia in critically ill patients: the immune systemâ€™s sweet tooth. Critical Care, 2017, 21, 202.	5.8	26
31	Cannabinoids: the lows and the highs of chemotherapy-induced nausea and vomiting. Future Oncology, 2019, 15, 1035-1049.	2.4	26
32	Dietary red palm oil reduces ischaemiaâ€"reperfusion injury in rats fed a hypercholesterolaemic diet. British Journal of Nutrition, 2007, 97, 653-660.	2.3	24
33	The role of mTOR during cisplatin treatment in an in vitro and ex vivo model of cervical cancer. Toxicology, 2015, 335, 72-78.	4.2	24
34	Bone resorption: supporting immunometabolism. Biology Letters, 2018, 14, .	2.3	24
35	Daily brief restraint stress alters signaling pathways and induces atrophy and apoptosis in rat skeletal muscle. Stress, 2010, 13, 132-141.	1.8	23
36	Doxorubicin resistance in breast cancer: A novel role for the human protein AHNAK. Biochemical Pharmacology, 2018, 148, 174-183.	4.4	22

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37	Inflammation-induced metabolic derangements or adaptation: An immunometabolic perspective. Cytokine and Growth Factor Reviews, 2018, 43, 47-53.	7.2	22
38	Anti-inflammatory mechanisms of cannabinoids: an immunometabolic perspective. Inflammopharmacology, 2019, 27, 39-46.	3.9	22
39	Nutrient excess and autophagic deficiency: explaining metabolic diseases in obesity. Metabolism: Clinical and Experimental, 2018, 82, 14-21.	3.4	21
40	Fatty acids: Adiposity and breast cancer chemotherapy, a bad synergy?. Prostaglandins Leukotrienes and Essential Fatty Acids, 2019, 140, 18-33.	2.2	21
41	Decreased Efficacy of Doxorubicin Corresponds With Modifications in Lipid Metabolism Markers and Fatty Acid Profiles in Breast Tumors From Obese vs. Lean Mice. Frontiers in Oncology, 2020, 10, 306.	2.8	21
42	Serum Amyloid A Promotes Inflammation-Associated Damage and Tumorigenesis in a Mouse Model of Colitis-Associated Cancer. Cellular and Molecular Gastroenterology and Hepatology, 2021, 12, 1329-1341.	4.5	21
43	Sickness-Associated Anorexia: Mother Natureâ€™s Idea of Immunonutrition?. Mediators of Inflammation, 2016, 2016, 1-12.	3.0	20
44	Daunorubicin therapy is associated with upregulation of E3 ubiquitin ligases in the heart. Experimental Biology and Medicine, 2012, 237, 219-226.	2.4	19
45	Commentary on: Ã¢â‚¬Å“A common origin for immunity and digestionÃ¢â‚¬Â• Frontiers in Microbiology, 2015, 6, 531.	3.5	19
46	Serum amyloid A and inflammasome activation: A link to breast cancer progression?. Cytokine and Growth Factor Reviews, 2021, 59, 62-70.	7.2	18
47	Circadian Rhythms and Breast Cancer: The Role of Per2 in Doxorubicin-Induced Cell Death. Journal of Toxicology, 2015, 2015, 1-11.	3.0	16
48	A Nontoxic Concentration of Cisplatin Induces Autophagy in Cervical Cancer. International Journal of Gynecological Cancer, 2015, 25, 380-388.	2.5	16
49	Nutritional support in sepsis: when less may be more. Critical Care, 2020, 24, 53.	5.8	16
50	How Does Inflammationâ€Induced Hyperglycemia Cause Mitochondrial Dysfunction in Immune Cells?. BioEssays, 2019, 41, e1800260.	2.5	15
51	The onco-immunological implications of Fusobacterium nucleatum in breast cancer. Immunology Letters, 2021, 232, 60-66.	2.5	15
52	Autophagy in heart disease: A strong hypothesis for an untouched metabolic reserve. Medical Hypotheses, 2011, 77, 52-57.	1.5	14
53	Health benefits of a natural carotenoid rich oil: a proposed mechanism of protection against ischaemia/ reperfusion injury. Asia Pacific Journal of Clinical Nutrition, 2008, 17 Suppl 1, 316-9.	0.4	14
54	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. Lipids in Health and Disease, 2009, 8, 18.	3.0	12

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55	Ex vivo study of MAPK profiles correlated with parameters of apoptosis during cervical carcinogenesis. Cancer Letters, 2006, 235, 93-99.	7.2	11
56	On the evolutionary origin of the adaptive immune systemâ€"The adipocyte hypothesis. Immunology Letters, 2015, 164, 81-87.	2.5	11
57	Melatonin: a protective role against doxorubicin-induced cardiotoxicity. Future Oncology, 2015, 11, 2003-2006.	2.4	11
58	Molecular regulation of autophagy in a pro-inflammatory tumour microenvironment: New insight into the role of serum amyloid A. Cytokine and Growth Factor Reviews, 2021, 59, 71-83.	7.2	11
59	Comparison of the fatty acid compositions in intraepithelial and infiltrating lesions of the cervix: part II, free fatty acid profiles. Prostaglandins Leukotrienes and Essential Fatty Acids, 1998, 59, 253-257.	2.2	10
60	Apoptosis is mediated by cytosolic phospholipase A2 during simulated ischaemia/reperfusion-induced injury in neonatal cardiac myocytes. Prostaglandins Leukotrienes and Essential Fatty Acids, 2007, 77, 37-43.	2.2	10
61	Sutherlandia frutescens treatment induces apoptosis and modulates the PI3-kinase pathway in colon cancer cells. South African Journal of Botany, 2015, 100, 20-26.	2.5	10
62	Insulin-mediated immune dysfunction in the development of preeclampsia. Journal of Molecular Medicine, 2021, 99, 889-897.	3.9	10
63	Diabetes and susceptibility to infections: Implication for COVIDâ€19. Immunology, 2021, 164, 467-475.	4.4	10
64	The paracrine effects of fibroblasts on Doxorubicin-treated breast cancer cells. Experimental Cell Research, 2019, 381, 280-287.	2.6	9
65	Comparison of the fatty acid compositions in intraepithelial and infiltrating lesions of the cervix: part I, total fatty acid profiles. Prostaglandins Leukotrienes and Essential Fatty Acids, 1998, 59, 247-251.	2.2	8
66	Ischaemic preconditioning and TNF-Î±-mediated preconditioning is associated with a differential cPLA2 translocation pattern in early ischaemia. Prostaglandins Leukotrienes and Essential Fatty Acids, 2008, 78, 403-413.	2.2	8
67	Dietary red palm oil protects the heart against the cytotoxic effects of anthracycline. Cell Biochemistry and Function, 2011, 29, 356-364.	2.9	7
68	Inhibition of Akt Attenuates RPO-Induced Cardioprotection. Cardiology Research and Practice, 2012, 2012, 1-9.	1.1	6
69	Was the evolutionary road towards adaptive immunity paved with endothelium?. Biology Direct, 2015, 10, 47.	4.6	6
70	Intermittent insulin treatment mimics ischemic postconditioning via MitoKATP channels, ROS, and RISK. Scandinavian Cardiovascular Journal, 2015, 49, 270-279.	1.2	6
71	The paracrine effects of adipocytes on lipid metabolism in doxorubicin-treated triple negative breast cancer cells. Adipocyte, 2021, 10, 505-523.	2.8	6
72	Phosphatidylinositol-3-kinase (PI3K) activity decreases in C2C12 myotubes during acute simulated ischemia at a cost to their survival. Life Sciences, 2012, 91, 44-53.	4.3	5

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73	Prostate cancer profile and risk stratification of patients treated at Universitas Annex Department of Oncology, Bloemfontein, Free State, during 2008 to 2010. South African Family Practice: Official Journal of the South African Academy of Family Practice/Primary Care, 2015, 57, 247-252.	0.6	5
74	Invertebrates: Why No Adaptive Immune System?. Scandinavian Journal of Immunology, 2016, 83, 160-161.	2.7	5
75	The immuno-oncological implications of insulin. Life Sciences, 2021, 264, 118716.	4.3	5
76	Domesticating Cancer: An Evolutionary Strategy in the War on Cancer. Frontiers in Oncology, 2017, 7, 304.	2.8	4
77	The role of bile acids in nutritional support. Critical Care, 2018, 22, 231.	5.8	4
78	A Combination of an Antimitotic and a Bromodomain 4 Inhibitor Synergistically Inhibits the Metastatic MDA-MB-231 Breast Cancer Cell Line. BioMed Research International, 2019, 2019, 1-13.	1.9	4
79	Amino Acid Starvation Sensitizes Resistant Breast Cancer to Doxorubicin-Induced Cell Death. Frontiers in Cell and Developmental Biology, 2020, 8, 565915.	3.7	4
80	Serum amyloid A1: Innocent bystander or active participant in cell migration in triple-negative breast cancer?. Experimental Cell Research, 2021, 406, 112759.	2.6	4
81	Comparison of the fatty acid compositions in intraepithelial and infiltrating lesions of the cervix: part III, saturated and unsaturated fatty acid profiles. Prostaglandins Leukotrienes and Essential Fatty Acids, 1998, 59, 259-264.	2.2	3
82	Cancer tolerance, resistance, pathogenicity and virulence: deconstructing the disease state. Future Oncology, 2016, 12, 1369-1380.	2.4	2
83	Dietary anti-oxidant rich oil protect against ischaemia/reperfusion injury by activation of PKB/Akt and p38 MAPK. Journal of Molecular and Cellular Cardiology, 2007, 42, S206.	1.9	1
84	Signalling mechanisms and phospholipase a2 translocation in TNF-Î± mediated cytoprotection in ischaemia. Journal of Molecular and Cellular Cardiology, 2007, 42, S188.	1.9	0
85	Role of Autophagy in Heart Disease. , 2014, , 315-328.		0
86	Bone marrow fat: What is it good for?. Seminars in Arthritis and Rheumatism, 2016, 45, e14.	3.4	0
87	Evolutionary physiology shows the need for an unprecedented study on sugar. Clinical Nutrition ESPEN, 2019, 33, 301.	1.2	0
88	Sa1108 SERUM AMYLOID A PROMOTES INFLAMMATION-ASSOCIATED DAMAGE, MACROPHAGE INFILTRATION AND TUMORIGENESIS IN A MOUSE MODEL OF COLITIS-ASSOCIATED COLON CANCER. Gastroenterology, 2020, 158, S-278.	1.3	0