

Anna Mart Engelbrecht

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

10,302
citations

201385

27
h-index

53109

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). <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	Mitochondrial catastrophe during doxorubicin-induced cardiotoxicity: a review of the protective role of melatonin. <i>Journal of Pineal Research</i> , 2014, 57, 367-380.	3.4	134
4	The variability of autophagy and cell death susceptibility. <i>Autophagy</i> , 2013, 9, 1270-1285.	4.3	126
5	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, 179-193.	0.9	124
6	AHNAK: The giant jack of all trades. <i>Cellular Signalling</i> , 2014, 26, 2683-2693.	1.7	124
7	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, 144-153.	3.2	122
8	Autophagy upregulation promotes survival and attenuates doxorubicin-induced cardiotoxicity. <i>Biochemical Pharmacology</i> , 2013, 85, 124-134.	2.0	121
9	Mechanisms of doxorubicin-induced drug resistance and drug resistant tumour growth in a murine breast tumour model. <i>BMC Cancer</i> , 2019, 19, 757.	1.1	102
10	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.	2.5	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. <i>Experimental Cell Research</i> , 2011, 317, 1437-1453.	1.2	74
12	Serum amyloid A binds to fibrin(ogen), promoting fibrin amyloid formation. <i>Scientific Reports</i> , 2019, 9, 3102.	1.6	71
13	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, 173-184.	1.4	68
14	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, 106-114.	1.9	64
15	Cell death: A dynamic response concept. <i>Autophagy</i> , 2009, 5, 590-603.	4.3	60
16	Insulin as an immunomodulatory hormone. <i>Cytokine and Growth Factor Reviews</i> , 2020, 52, 34-44.	3.2	55
17	Cancer stem cells: A product of clonal evolution?. <i>International Journal of Cancer</i> , 2017, 140, 993-999.	2.3	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?. <i>Toxicology and Applied Pharmacology</i> , 2018, 358, 86-101.	1.3	38

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19	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.	2.1	36
20	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, 940-954.	0.9	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. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2008, 13, 1368-1377.	2.2	34
22	Doxorubicin induces protein ubiquitination and inhibits proteasome activity during cardiotoxicity. <i>Toxicology</i> , 2013, 309, 23-29.	2.0	34
23	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.	1.4	32
24	Chemoresistance: Intricate Interplay Between Breast Tumor Cells and Adipocytes in the Tumor Microenvironment. <i>Frontiers in Endocrinology</i> , 2018, 9, 758.	1.5	31
25	Enhanced Therapeutic Efficacy in Cancer Patients by Short-term Fasting: The Autophagy Connection. <i>Frontiers in Oncology</i> , 2016, 6, 242.	1.3	30
26	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.	1.8	29
27	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, 265-271.	1.9	26
28	Autophagyâ€”A free meal in sickness-associated anorexia. <i>Autophagy</i> , 2016, 12, 727-734.	4.3	26
29	Metabolic hijacking: A survival strategy cancer cells exploit?. <i>Critical Reviews in Oncology/Hematology</i> , 2017, 109, 1-8.	2.0	26
30	Hyperglycaemia in critically ill patients: the immune systemâ€™s sweet tooth. <i>Critical Care</i> , 2017, 21, 202.	2.5	26
31	Cannabinoids: the lows and the highs of chemotherapy-induced nausea and vomiting. <i>Future Oncology</i> , 2019, 15, 1035-1049.	1.1	26
32	Dietary red palm oil reduces ischaemiaâ€™reperfusion injury in rats fed a hypercholesterolaemic diet. <i>British Journal of Nutrition</i> , 2007, 97, 653-660.	1.2	24
33	The role of mTOR during cisplatin treatment in an in vitro and ex vivo model of cervical cancer. <i>Toxicology</i> , 2015, 335, 72-78.	2.0	24
34	Bone resorption: supporting immunometabolism. <i>Biology Letters</i> , 2018, 14, .	1.0	24
35	Daily brief restraint stress alters signaling pathways and induces atrophy and apoptosis in rat skeletal muscle. <i>Stress</i> , 2010, 13, 132-141.	0.8	23
36	Doxorubicin resistance in breast cancer: A novel role for the human protein AHNAK. <i>Biochemical Pharmacology</i> , 2018, 148, 174-183.	2.0	22

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37	Inflammation-induced metabolic derangements or adaptation: An immunometabolic perspective. <i>Cytokine and Growth Factor Reviews</i> , 2018, 43, 47-53.	3.2	22
38	Anti-inflammatory mechanisms of cannabinoids: an immunometabolic perspective. <i>Inflammopharmacology</i> , 2019, 27, 39-46.	1.9	22
39	Nutrient excess and autophagic deficiency: explaining metabolic diseases in obesity. <i>Metabolism: Clinical and Experimental</i> , 2018, 82, 14-21.	1.5	21
40	Fatty acids: Adiposity and breast cancer chemotherapy, a bad synergy?. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2019, 140, 18-33.	1.0	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. <i>Frontiers in Oncology</i> , 2020, 10, 306.	1.3	21
42	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.	2.3	21
43	Sickness-Associated Anorexia: Mother Nature's Idea of Immunonutrition?. <i>Mediators of Inflammation</i> , 2016, 2016, 1-12.	1.4	20
44	Daunorubicin therapy is associated with upregulation of E3 ubiquitin ligases in the heart. <i>Experimental Biology and Medicine</i> , 2012, 237, 219-226.	1.1	19
45	Commentary on: "A common origin for immunity and digestion" <i>Frontiers in Microbiology</i> , 2015, 6, 531.	1.5	19
46	Serum amyloid A and inflammasome activation: A link to breast cancer progression?. <i>Cytokine and Growth Factor Reviews</i> , 2021, 59, 62-70.	3.2	18
47	Circadian Rhythms and Breast Cancer: The Role of Per2 in Doxorubicin-Induced Cell Death. <i>Journal of Toxicology</i> , 2015, 2015, 1-11.	1.4	16
48	A Nontoxic Concentration of Cisplatin Induces Autophagy in Cervical Cancer. <i>International Journal of Gynecological Cancer</i> , 2015, 25, 380-388.	1.2	16
49	Nutritional support in sepsis: when less may be more. <i>Critical Care</i> , 2020, 24, 53.	2.5	16
50	How Does Inflammation-Induced Hyperglycemia Cause Mitochondrial Dysfunction in Immune Cells?. <i>BioEssays</i> , 2019, 41, e1800260.	1.2	15
51	The onco-immunological implications of <i>Fusobacterium nucleatum</i> in breast cancer. <i>Immunology Letters</i> , 2021, 232, 60-66.	1.1	15
52	Autophagy in heart disease: A strong hypothesis for an untouched metabolic reserve. <i>Medical Hypotheses</i> , 2011, 77, 52-57.	0.8	14
53	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.	0.3	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. <i>Lipids in Health and Disease</i> , 2009, 8, 18.	1.2	12

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55	Ex vivo study of MAPK profiles correlated with parameters of apoptosis during cervical carcinogenesis. <i>Cancer Letters</i> , 2006, 235, 93-99.	3.2	11
56	On the evolutionary origin of the adaptive immune system – The adipocyte hypothesis. <i>Immunology Letters</i> , 2015, 164, 81-87.	1.1	11
57	Melatonin: a protective role against doxorubicin-induced cardiotoxicity. <i>Future Oncology</i> , 2015, 11, 2003-2006.	1.1	11
58	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.	3.2	11
59	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, 253-257.	1.0	10
60	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.	1.0	10
61	<i>Sutherlandia frutescens</i> treatment induces apoptosis and modulates the PI3-kinase pathway in colon cancer cells. <i>South African Journal of Botany</i> , 2015, 100, 20-26.	1.2	10
62	Insulin-mediated immune dysfunction in the development of preeclampsia. <i>Journal of Molecular Medicine</i> , 2021, 99, 889-897.	1.7	10
63	Diabetes and susceptibility to infections: Implication for COVID-19. <i>Immunology</i> , 2021, 164, 467-475.	2.0	10
64	The paracrine effects of fibroblasts on Doxorubicin-treated breast cancer cells. <i>Experimental Cell Research</i> , 2019, 381, 280-287.	1.2	9
65	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, 247-251.	1.0	8
66	Ischaemic preconditioning and TNF- α -mediated preconditioning is associated with a differential cPLA2 translocation pattern in early ischaemia. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2008, 78, 403-413.	1.0	8
67	Dietary red palm oil protects the heart against the cytotoxic effects of anthracycline. <i>Cell Biochemistry and Function</i> , 2011, 29, 356-364.	1.4	7
68	Inhibition of Akt Attenuates RPO-Induced Cardioprotection. <i>Cardiology Research and Practice</i> , 2012, 2012, 1-9.	0.5	6
69	Was the evolutionary road towards adaptive immunity paved with endothelium?. <i>Biology Direct</i> , 2015, 10, 47.	1.9	6
70	Intermittent insulin treatment mimics ischemic postconditioning via MitoKATP channels, ROS, and RISK. <i>Scandinavian Cardiovascular Journal</i> , 2015, 49, 270-279.	0.4	6
71	The paracrine effects of adipocytes on lipid metabolism in doxorubicin-treated triple negative breast cancer cells. <i>Adipocyte</i> , 2021, 10, 505-523.	1.3	6
72	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.	2.0	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.	0.2	5
74	Invertebrates: Why No Adaptive Immune System?. Scandinavian Journal of Immunology, 2016, 83, 160-161.	1.3	5
75	The immuno-oncological implications of insulin. Life Sciences, 2021, 264, 118716.	2.0	5
76	Domesticating Cancer: An Evolutionary Strategy in the War on Cancer. Frontiers in Oncology, 2017, 7, 304.	1.3	4
77	The role of bile acids in nutritional support. Critical Care, 2018, 22, 231.	2.5	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.	0.9	4
79	Amino Acid Starvation Sensitizes Resistant Breast Cancer to Doxorubicin-Induced Cell Death. Frontiers in Cell and Developmental Biology, 2020, 8, 565915.	1.8	4
80	Serum amyloid A1: Innocent bystander or active participant in cell migration in triple-negative breast cancer?. Experimental Cell Research, 2021, 406, 112759.	1.2	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.	1.0	3
82	Cancer tolerance, resistance, pathogenicity and virulence: deconstructing the disease state. Future Oncology, 2016, 12, 1369-1380.	1.1	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.	0.9	1
84	Signalling mechanisms and phospholipase a2 translocation in TNF- α mediated cytoprotection in ischaemia. Journal of Molecular and Cellular Cardiology, 2007, 42, S188.	0.9	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.	1.6	0
87	Evolutionary physiology shows the need for an unprecedented study on sugar. Clinical Nutrition ESPEN, 2019, 33, 301.	0.5	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.	0.6	0