

# Anne Vejux

## List of Publications by Year in descending order

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65  
papers

2,892  
citations

172457

29  
h-index

175258

52  
g-index

65  
all docs

65  
docs citations

65  
times ranked

4930  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cytotoxic effects of oxysterols associated with human diseases: Induction of cell death (apoptosis) Tj ETQq1 1 0.784314 rgBT /Overlock Medicine, 2009, 30, 153-170.	6.4	242
2	Involvement of oxysterols in age-related diseases and ageing processes. Ageing Research Reviews, 2014, 18, 148-162.	10.9	164
3	MexXY-OprM Efflux Pump Is Necessary for Adaptive Resistance of Pseudomonas aeruginosa to Aminoglycosides. Antimicrobial Agents and Chemotherapy, 2003, 47, 1371-1375.	3.2	153
4	Side effects of oxysterols: cytotoxicity, oxidation, inflammation, and phospholipidosis. Brazilian Journal of Medical and Biological Research, 2008, 41, 545-556.	1.5	144
5	Measurement of inflammatory cytokines by multicytokine assay in tears of patients with glaucoma topically treated with chronic drugs. British Journal of Ophthalmology, 2007, 91, 29-32.	3.9	113
6	Contribution of cholesterol and oxysterols to the pathophysiology of Parkinson's disease. Free Radical Biology and Medicine, 2016, 101, 393-400.	2.9	106
7	Multiplexed flow cytometric analyses of pro- and anti-inflammatory cytokines in the culture media of oxysterol-treated human monocytic cells and in the sera of atherosclerotic patients. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2006, 69A, 359-373.	1.5	100
8	Evidence of oxidative stress in very long chain fatty acid "Treated oligodendrocytes and potentialization of ROS production using RNA interference-directed knockdown of ABCD1 and ACOX1 peroxisomal proteins. Neuroscience, 2012, 213, 1-18.	2.3	99
9	Induction of oxiaapoptophagy on 158N murine oligodendrocytes treated by 7-ketocholesterol, 7Î²-hydroxycholesterol, or 24(S)-hydroxycholesterol: Protective effects of Î±-tocopherol and docosahexaenoic acid (DHA; C22:6 n-3). Steroids, 2015, 99, 194-203.	1.8	90
10	7â€Ketocholesterolâ€induced apoptosis. FEBS Journal, 2005, 272, 3093-3104.	4.7	87
11	Phospholipidosis and down-regulation of the PI3-K/PDK-1/Akt signalling pathway are vitamin E inhibitable events associated with 7-ketocholesterol-induced apoptosis. Journal of Nutritional Biochemistry, 2009, 20, 45-61.	4.2	86
12	Induction of oxiaapoptophagy, a mixed mode of cell death associated with oxidative stress, apoptosis and autophagy, on 7-ketocholesterol-treated 158N murine oligodendrocytes: Impairment by Î±-tocopherol. Biochemical and Biophysical Research Communications, 2014, 446, 714-719.	2.1	85
13	Peroxisomes in Immune Response and Inflammation. International Journal of Molecular Sciences, 2019, 20, 3877.	4.1	82
14	7-Ketocholesterol is increased in the plasma of X-ALD patients and induces peroxisomal modifications in microglial cells: Potential roles of 7-ketocholesterol in the pathophysiology of X-ALD. Journal of Steroid Biochemistry and Molecular Biology, 2017, 169, 123-136.	2.5	67
15	Absence of correlation between oxysterol accumulation in lipid raft microdomains, calcium increase, and apoptosis induction on 158N murine oligodendrocytes. Biochemical Pharmacology, 2013, 86, 67-79.	4.4	65
16	Induction of Mitochondrial Changes Associated with Oxidative Stress on Very Long Chain Fatty Acids (C22:0, C24:0, or C26:0)-Treated Human Neuronal Cells (SK-NB-E). Oxidative Medicine and Cellular Longevity, 2012, 2012, 1-15.	4.0	62
17	Silymarin and Cancer: A Dual Strategy in Both in Chemoprevention and Chemosensitivity. Molecules, 2020, 25, 2009.	3.8	58
18	Protective Effects of Î±-Tocopherol, Î²-Tocopherol and Oleic Acid, Three Compounds of Olive Oils, and No Effect of Trolox, on 7-Ketocholesterol-Induced Mitochondrial and Peroxisomal Dysfunction in Microglial BV-2 Cells. International Journal of Molecular Sciences, 2016, 17, 1973.	4.1	54

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19	Oxiapoptophagy: A type of cell death induced by some oxysterols. <i>British Journal of Pharmacology</i> , 2021, 178, 3115-3123.	5.4	54
20	Biomarkers of Amyotrophic Lateral Sclerosis: Current Status and Interest of Oxysterols and Phytosterols. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 12.	2.9	51
21	Mitochondrial dysfunctions in 7-ketocholesterol-treated 158N oligodendrocytes without or with Î±-tocopherol: Impacts on the cellular profil of tricarboxylic cycle-associated organic acids, long chain saturated and unsaturated fatty acids, oxysterols, cholesterol and cholesterol precursors. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017, 169, 96-110.	2.5	48
22	7-Ketocholesterol and 7Î²-hydroxycholesterol: In vitro and animal models used to characterize their activities and to identify molecules preventing their toxicity. <i>Biochemical Pharmacology</i> , 2020, 173, 113648.	4.4	48
23	Prevention by Dietary Polyphenols (Resveratrol, Quercetin, Apigenin) Against 7-Ketocholesterol-Induced Oxiapoptophagy in Neuronal N2a Cells: Potential Interest for the Treatment of Neurodegenerative and Age-Related Diseases. <i>Cells</i> , 2020, 9, 2346.	4.1	46
24	7-Ketocholesterol favors lipid accumulation and colocalizes with Nile Red positive cytoplasmic structures formed during 7-ketocholesterol-induced apoptosis: Analysis by flow cytometry, FRET biphoton spectral imaging microscopy, and subcellular fractionati. , 2005, 64A, 87-100.		44
25	Prevention of 7-ketocholesterol-induced side effects by natural compounds. <i>Critical Reviews in Food Science and Nutrition</i> , 2019, 59, 3179-3198.	10.3	42
26	Attenuation of 7-ketocholesterol-induced overproduction of reactive oxygen species, apoptosis, and autophagy by dimethyl fumarate on 158 N murine oligodendrocytes. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017, 169, 29-38.	2.5	39
27	Argan Oil-Mediated Attenuation of Organelle Dysfunction, Oxidative Stress and Cell Death Induced by 7-Ketocholesterol in Murine Oligodendrocytes 158N. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2220.	4.1	37
28	Induction of peroxisomal changes in oligodendrocytes treated with 7-ketocholesterol: Attenuation by Î±-tocopherol. <i>Biochimie</i> , 2018, 153, 181-202.	2.6	37
29	Induction of Neuronal Differentiation of Murine N2a Cells by Two Polyphenols Present in the Mediterranean Diet Mimicking Neurotrophins Activities: Resveratrol and Apigenin. <i>Diseases (Basel)</i> , Tj ETQq1 1 0.784314 rgB15/Overlo		35
30	Cytotoxic oxysterols induce caspase-independent myelin figure formation and caspase-dependent polar lipid accumulation. <i>Histochemistry and Cell Biology</i> , 2007, 127, 609-624.	1.7	29
31	Contribution of Cholesterol and Oxysterols in the Physiopathology of Cataract: Implication for the Development of Pharmacological Treatments. <i>Journal of Ophthalmology</i> , 2011, 2011, 1-6.	1.3	29
32	Biotin attenuation of oxidative stress, mitochondrial dysfunction, lipid metabolism alteration and 7Î²-hydroxycholesterol-induced cell death in 158N murine oligodendrocytes. <i>Free Radical Research</i> , 2019, 53, 535-561.	3.3	29
33	Saffron ( <i>Crocus sativus</i> L.): A Source of Nutrients for Health and for the Treatment of Neuropsychiatric and Age-Related Diseases. <i>Nutrients</i> , 2022, 14, 597.	4.1	28
34	High expression of QSOX1 reduces tumorigenesis, and is associated with a better outcome for breast cancer patients. <i>Breast Cancer Research</i> , 2012, 14, R136.	5.0	27
35	Absence of Oxysterol-like Side Effects in Human Monocytic Cells Treated with Phytosterols and Oxyphytosterols. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 4060-4066.	5.2	25
36	Dimethyl fumarate and monomethyl fumarate attenuate oxidative stress and mitochondrial alterations leading to oxiapoptophagy in 158N murine oligodendrocytes treated with 7Î²-hydroxycholesterol. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019, 194, 105432.	2.5	24

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37	7-Ketocholesterol: Effects on viral infections and hypothetical contribution in COVID-19. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2021, 212, 105939.	2.5	24
38	Protective function of autophagy during VLCFA-induced cytotoxicity in a neurodegenerative cell model. <i>Free Radical Biology and Medicine</i> , 2019, 137, 46-58.	2.9	23
39	Prevention of 7-Ketocholesterol-Induced Overproduction of Reactive Oxygen Species, Mitochondrial Dysfunction and Cell Death with Major Nutrients (Polyphenols, $\omega$ 3 and $\omega$ 9 Unsaturated Fatty Acids) of the Mediterranean Diet on N2a Neuronal Cells. <i>Molecules</i> , 2020, 25, 2296.	3.8	23
40	Biological activities of the LXR $\alpha$ and $\beta$ agonist, 4 $\beta$ -hydroxycholesterol, and of its isomer, 4 $\alpha$ -hydroxycholesterol, on oligodendrocytes: Effects on cell growth and viability, oxidative and inflammatory status. <i>Biochimie</i> , 2013, 95, 518-530.	2.6	22
41	Cytoprotective Activities of Milk Thistle Seed Oil Used in Traditional Tunisian Medicine on 7-Ketocholesterol and 24S-Hydroxycholesterol-Induced Toxicity on 158N Murine Oligodendrocytes. <i>Antioxidants</i> , 2018, 7, 95.	5.1	21
42	Effects of caspase inhibitors (z-VAD-fmk, z-VDVAD-fmk) on Nile Red fluorescence pattern in 7-ketocholesterol-treated cells: Investigation by flow cytometry and spectral imaging microscopy. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2007, 71A, 550-562.	1.5	19
43	The effect of oxysterols on nerve impulses. <i>Biochimie</i> , 2018, 153, 46-51.	2.6	19
44	Evidence of K <sup>+</sup> homeostasis disruption in cellular dysfunction triggered by 7-ketocholesterol, 24S-hydroxycholesterol, and tetracosanoic acid (C24:0) in 158N murine oligodendrocytes. <i>Chemistry and Physics of Lipids</i> , 2017, 207, 135-150.	3.2	18
45	Activation of a Caspase-3-Independent Mode of Cell Death Associated with Lysosomal Destabilization in Cultured Human Retinal Pigment Epithelial Cells (ARPE-19) Exposed to 7 $\beta$ -Hydroxycholesterol. <i>Current Eye Research</i> , 2008, 33, 769-781.	1.5	17
46	Evidence of biological activity of <i>Mentha</i> species extracts on apoptotic and autophagic targets on murine RAW264.7 and human U937 monocytic cells. <i>Pharmaceutical Biology</i> , 2017, 55, 286-293.	2.9	14
47	Sources of 7-ketocholesterol, metabolism and inactivation strategies: food and biomedical applications. , 2022, 2022, R40-R56.		14
48	Antioxidant Properties and Cytoprotective Effect of Pistacia lentiscus L. Seed Oil against 7 $\beta$ -Hydroxycholesterol-Induced Toxicity in C2C12 Myoblasts: Reduction in Oxidative Stress, Mitochondrial and Peroxisomal Dysfunctions and Attenuation of Cell Death. <i>Antioxidants</i> , 2021, 10, 1772.	5.1	13
49	Oxysterols and multiple sclerosis: Physiopathology, evolutive biomarkers and therapeutic strategy. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2021, 210, 105870.	2.5	12
50	7-Ketocholesterol- and 7 $\beta$ -Hydroxycholesterol-Induced Peroxisomal Disorders in Glial, Microglial and Neuronal Cells: Potential Role in Neurodegeneration. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1299, 31-41.	1.6	12
51	Lipids Nutrients in Parkinson and Alzheimer's Diseases: Cell Death and Cytoprotection. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2501.	4.1	11
52	Role of Diet and Nutrients in SARS-CoV-2 Infection: Incidence on Oxidative Stress, Inflammatory Status and Viral Production. <i>Nutrients</i> , 2022, 14, 2194.	4.1	11
53	Docosahexaenoic Acid Attenuates Mitochondrial Alterations and Oxidative Stress Leading to Cell Death Induced by Very Long-Chain Fatty Acids in a Mouse Oligodendrocyte Model. <i>International Journal of Molecular Sciences</i> , 2020, 21, 641.	4.1	10
54	Potential Involvement of Peroxisome in Multiple Sclerosis and Alzheimer's Disease. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1299, 91-104.	1.6	10

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55	Flow Cytometric Analysis of the Expression Pattern of Peroxisomal Proteins, Abcd1, Abcd2, and Abcd3 in BV-2 Murine Microglial Cells. <i>Methods in Molecular Biology</i> , 2017, 1595, 257-265.	0.9	9
56	Modulation of Kv3.1b potassium channel level and intracellular potassium concentration in 158N murine oligodendrocytes and BV-2 murine microglial cells treated with 7-ketocholesterol, 24S-hydroxycholesterol or tetracosanoic acid (C24:0). <i>Biochimie</i> , 2018, 153, 56-69.	2.6	9
57	Protective effects of milk thistle ( <i>Silybum marianum</i> ) seed oil and Î±-tocopherol against 7Î²-hydroxycholesterol-induced peroxisomal alterations in murine C2C12 myoblasts: Nutritional insights associated with the concept of pexotherapy. <i>Steroids</i> , 2022, 183, 109032.	1.8	9
58	Involvement of Microglia in Neurodegenerative Diseases: Beneficial Effects of Docosahexaenoic Acid (DHA) Supplied by Food or Combined with Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10639.	4.1	8
59	Analysis of CD36 expression on human monocytic cells and atherosclerotic tissue sections with quantum dots: investigation by flow cytometry and spectral imaging microscopy. , 2006, 28, 14-26.		7
60	Antioxidant and neuroprotective properties of Mediterranean oils: Argan oil, olive oil, and milk thistle seed oil. , 2020, , 143-154.		6
61	FRET multiphoton spectral imaging microscopy of 7-ketocholesterol and Nile Red in U937 monocytic cells loaded with 7-ketocholesterol. , 2004, 26, 304-13.		6
62	Cell Death, Inflammation and Oxidative Stress in Neurodegenerative Diseases: Mechanisms and Cytoprotective Molecules. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13657.	4.1	6
63	Essential Oils, <i>Pituranthos chloranthus</i> and <i>Teucrium ramosissimum</i> , Chemosensitize Resistant Human Uterine Sarcoma MES-SA/Dx5 Cells to Doxorubicin by Inducing Apoptosis and Targeting P-Glycoprotein. <i>Nutrients</i> , 2021, 13, 1719.	4.1	4
64	Flow cytometry and spectral imaging multiphoton microscopy analysis of CD36 expression with quantum dots 605 of untreated and 7-ketocholesterol-treated human monocytic cells. , 2006, 28, 316-30.		4
65	Cholesterol Derivatives as Promising Anticancer Agents in Glioblastoma Metabolic Therapy. , 0, , 97-120.		2