

# Amira Zarrouk

## List of Publications by Year in descending order

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Version: 2024-02-01

61  
papers

1,936  
citations

218677

26  
h-index

265206

42  
g-index

61  
all docs

61  
docs citations

61  
times ranked

3959  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Role of Bioactive Compounds in the Regulation of Mitochondrial Dysfunctions in Brain and Age-Related Neurodegenerative Diseases. <i>Cells</i> , 2022, 11, 257.  | 4.1 | 8         |
| 2  | 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        |
| 3  | 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         |
| 4  | 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        |
| 5  | Sources of 7-ketocholesterol, metabolism and inactivation strategies: food and biomedical applications. , 2022, 2022, R40-R56.  |     | 14        |
| 6  | Maillard Reaction Products and Phenolic Compounds from Roasted Peanut Flour Extracts Prevent Scopolamine-Induced Amnesia Via Cholinergic Modulation and Antioxidative Effects in Mice. <i>Journal of Medicinal Food</i> , 2021, 24, 645-652.  | 1.5 | 4         |
| 7  | Oxiapoptophagy: A type of cell death induced by some oxysterols. <i>British Journal of Pharmacology</i> , 2021, 178, 3115-3123.   | 5.4 | 54        |
| 8  | Association Between Oxidative Stress and Altered Cholesterol Metabolism in Alzheimer's Disease Patients. <i>Current Alzheimer Research</i> , 2021, 17, 823-834.   | 1.4 | 28        |
| 9  | Cytoprotective organoselenium compounds for oligodendrocytes. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103051.   | 4.9 | 17        |
| 10 | Nigella and Milk Thistle Seed Oils: Potential Cytoprotective Effects against 7Î²-Hydroxycholesterol-Induced Toxicity on SH-SY5Y Cells. <i>Biomolecules</i> , 2021, 11, 797.   | 4.0 | 1         |
| 11 | 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        |
| 12 | Impact of Oxysterols on Cell Death, Proliferation, and Differentiation Induction: Current Status. <i>Cells</i> , 2021, 10, 2301.  | 4.1 | 32        |
| 13 | 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        |
| 14 | Antioxidant Properties and Cytoprotective Effect of Pistacia lentiscus L. Seed Oil against 7Î²-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        |
| 15 | 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        |
| 16 | Phytochemical profile, cytotoxic, antioxidant, and allelopathic potentials of aqueous leaf extracts of <i>Olea europaea</i> . <i>Food Science and Nutrition</i> , 2020, 8, 4805-4813.   | 3.4 | 18        |
| 17 | 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        |
| 18 | Prevalence and factors associated with frailty in hospitalized older patients. <i>BMC Geriatrics</i> , 2020, 20, 144.   | 2.7 | 32        |

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|----|---|------|-----------|
| 19 | 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        |
| 20 | 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        |
| 21 | Evaluation of pro-inflammatory cytokines in frail Tunisian older adults. <i>PLoS ONE</i> , 2020, 15, e0242152.  | 2.5  | 13        |
| 22 | 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        |
| 23 | Dimethyl fumarate and monomethyl fumarate attenuate oxidative stress and mitochondrial alterations leading to oxipoptophagy in 158N murine oligodendrocytes treated with 7 $\beta$ -hydroxycholesterol. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019, 194, 105432.       | 2.5  | 24        |
| 24 | Profile of Fatty Acids, Tocopherols, Phytosterols and Polyphenols in Mediterranean Oils (Argan Oils,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5<br>Cytoprotective Activities. <i>Current Pharmaceutical Design</i> , 2019, 25, 1791-1805.   | 1.9  | 64        |
| 25 | Biotin attenuation of oxidative stress, mitochondrial dysfunction, lipid metabolism alteration and 7 $\beta$ -hydroxycholesterol-induced cell death in 158N murine oligodendrocytes. <i>Free Radical Research</i> , 2019, 53, 535-561.  | 3.3  | 29        |
| 26 | Chemical composition, Fatty acids profile and Biological properties of <i>Thymus capitatus</i> (L.) Hoffmanns, essential Oil. <i>Scientific Reports</i> , 2019, 9, 20134.   | 3.3  | 11        |
| 27 | Effects of <i>Carpobrotus edulis</i> Extract on Oxidative Stress and 158N Oligodendrocyte Death. <i>Biomedical and Environmental Sciences</i> , 2019, 32, 291-299.  | 0.2  | 2         |
| 28 | 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 (C <sub>24</sub> :0). <i>Biochimie</i> , 2018, 153, 56-69. | 2.6  | 9         |
| 29 | The effect of oxysterols on nerve impulses. <i>Biochimie</i> , 2018, 153, 46-51.  | 2.6  | 19        |
| 30 | Correlation of trans fatty acids with the severity of coronary artery disease lesions. <i>Lipids in Health and Disease</i> , 2018, 17, 52.  | 3.0  | 44        |
| 31 | Evaluation of Antioxidant, Anti-Inflammatory and Cytoprotective Properties of Ethanollic Mint Extracts from Algeria on 7-Ketocholesterol-Treated Murine RAW 264.7 Macrophages. <i>Antioxidants</i> , 2018, 7, 184.  | 5.1  | 28        |
| 32 | Cytoprotective and antioxidant properties of organic selenides for the myelin-forming cells, oligodendrocytes. <i>Bioorganic Chemistry</i> , 2018, 80, 43-56.   | 4.1  | 35        |
| 33 | 7 $\beta$ -hydroxycholesterol-induced cell death, oxidative stress, and fatty acid metabolism dysfunctions attenuated with sea urchin egg oil. <i>Biochimie</i> , 2018, 153, 210-219.   | 2.6  | 16        |
| 34 | Induction of peroxisomal changes in oligodendrocytes treated with 7-ketocholesterol: Attenuation by $\alpha$ -tocopherol. <i>Biochimie</i> , 2018, 153, 181-202.  | 2.6  | 37        |
| 35 | 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        |
| 36 | Lipid Biomarkers in Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2018, 15, 303-312.   | 1.4  | 117       |

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|----|---|------|-----------|
| 37 | 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        |
| 38 | 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. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017, 169, 123-136.  | 2.5  | 67        |
| 39 | Mitochondrial dysfunctions in 7-ketocholesterol-treated 158N oligodendrocytes without or with Î±-tocopherol: Impacts on the cellular profile 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        |
| 40 | Comparison of the effects of major fatty acids present in the Mediterranean diet (oleic acid,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 1 oxiaoptophagy in microglial BV-2 cells. <i>Chemistry and Physics of Lipids</i> , 2017, 207, 151-170.  | 3.2  | 58        |
| 41 | Identification of long and very long chain fatty acids, plasmalogen-C16:0 and phytanic acid as new lipid biomarkers in Tunisian coronary artery disease patients. <i>Prostaglandins and Other Lipid Mediators</i> , 2017, 131, 49-58.   | 1.9  | 11        |
| 42 | 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        |
| 43 | Association of plasma fatty acid alteration with the severity of coronary artery disease lesions in Tunisian patients. <i>Lipids in Health and Disease</i> , 2017, 16, 154.   | 3.0  | 10        |
| 44 | Protective Effects of Î±-Tocopherol, Î³-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. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1973.  | 4.1  | 54        |
| 45 | Evidence of hormesis on human neuronal SK-N-BE cells treated with sodium arsenate: impact at the mitochondrial level. <i>Environmental Science and Pollution Research</i> , 2016, 23, 8441-8452.  | 5.3  | 7         |
| 46 | DNA and neutral lipid contents of peripheral cells as predictive biomarkers of mild cognitive impairment and Alzheimer's disease: Highlights on the interest of a cytomic approach for the characterization of dementia. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2015, 87, 3-4.   | 1.5  | 0         |
| 47 | Fatty Acid Profiles in Demented Patients: Identification of Hexacosanoic Acid (C26:0) as a Blood Lipid Biomarker of Dementia. <i>Journal of Alzheimer's Disease</i> , 2015, 44, 1349-1359.  | 2.6  | 47        |
| 48 | Effects of cholesterol oxides on cell death induction and calcium increase in human neuronal cells (SK-N-BE) and evaluation of the protective effects of docosahexaenoic acid (DHA; C22:6 n-3). <i>Steroids</i> , 2015, 99, 238-247.  | 1.8  | 34        |
| 49 | An expeditious synthesis of spinasterol and schottenol, two phytosterols present in argan oil and in cactus pear seed oil, and evaluation of their biological activities on cells of the central nervous system. <i>Steroids</i> , 2015, 99, 119-124.   | 1.8  | 21        |
| 50 | Induction of oxiaoptophagy 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). <i>Steroids</i> , 2015, 99, 194-203.   | 1.8  | 90        |
| 51 | Octadecaneuropeptide ODN prevents hydrogen peroxide-induced oxidative damage of biomolecules in cultured rat astrocytes. <i>Peptides</i> , 2015, 71, 56-65.   | 2.4  | 24        |
| 52 | Impact of C24:0 on actin-microtubule interaction in human neuronal SK-N-BE cells: evaluation by FRET confocal spectral imaging microscopy after dual staining with rhodamine-phalloidin and tubulin tracker green. <i>Functional Neurology</i> , 2015, 30, 33-46.   | 1.3  | 5         |
| 53 | Induction of oxiaoptophagy, a mixed mode of cell death associated with oxidative stress, apoptosis and autophagy, on 7-ketocholesterol-treated 158N murine oligodendrocytes: Impairment by Î±-tocopherol. <i>Biochemical and Biophysical Research Communications</i> , 2014, 446, 714-719.  | 2.1  | 85        |
| 54 | Involvement of oxysterols in age-related diseases and ageing processes. <i>Ageing Research Reviews</i> , 2014, 18, 148-162.   | 10.9 | 164       |

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|----|--|-----|-----------|
| 55 | Response to Letter to the Editor. <i>Journal of Toxicological Sciences</i> , 2014, 39, 683-684.  | 1.5 | 0         |
| 56 | Cytokine and eicosanoid profiles of phosphate mine workers. <i>Journal of Toxicological Sciences</i> , 2014, 39, 465-474.  | 1.5 | 3         |
| 57 | Improved synthesis and <i>in vitro</i> evaluation of the cytotoxic profile of oxysterols oxidized at C4 (4 $\alpha$ - and 4 $\beta$ -) on the nervous system. <i>European Journal of Medicinal Chemistry</i> , 2013, 70, 558-567.  | 5.5 | 26        |
| 58 | 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        |
| 59 | Absence of correlation between oxysterol accumulation in lipid raft microdomains, calcium increase, and apoptosis induction on 158N murine oligodendrocytes. <i>Biochemical Pharmacology</i> , 2013, 86, 67-79.  | 4.4 | 65        |
| 60 | 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        |
| 61 | 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). <i>Oxidative Medicine and Cellular Longevity</i> , 2012, 2012, 1-15.   | 4.0 | 62        |