Mustapha Cherkaoui-Malki

List of Publications by Year
in descending order

61 papers	2,622 citations	147801 31 h-index	189892 50 g-index
62 all docs	62 docs citations	62 times ranked	4571 citing authors

#	Article	IF	Citations
1	Nopal Cactus (Opuntia ficus-indica) as a Source of Bioactive Compounds for Nutrition, Health and Disease. Molecules, 2014, 19, 14879-14901.	3.8	294
2	Resveratrol-induced Apoptosis Is Associated with Fas Redistribution in the Rafts and the Formation of a Death-inducing Signaling Complex in Colon Cancer Cells. Journal of Biological Chemistry, 2003, 278, 41482-41490.	3.4	241
3	Identification of a transcriptionally active peroxisome proliferator-activated receptor Â-interacting cofactor complex in rat liver and characterization of PRIC285 as a coactivator. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 11836-11841.	7.1	132
4	Genotoxic and endocrine activities of bis(hydroxyphenyl)methane (bisphenol F) and its derivatives in the HepG2 cell line. Toxicology, 2009, 255, 15-24.	4.2	130
5	Fructose-enriched diet modifies antioxidant status and lipid metabolism in spontaneously hypertensive rats. Nutrition, 2006, 22, 758-766.	2.4	91
6	Exploring new ways of regulation by resveratrol involving miRNAs, with emphasis on inflammation. Annals of the New York Academy of Sciences, 2015, 1348, 97-106.	3.8	90
7	Potential Roles of Peroxisomes in Alzheimer's Disease and in Dementia of the Alzheimer's Type. Journal of Alzheimer's Disease, 2012, 29, 241-254.	2.6	86
8	Functional significance of the two ACOX1 isoforms and their crosstalks with PPARÎ± and RXRÎ±. Laboratory Investigation, 2010, 90, 696-708.	3.7	74
9	Progressive Endoplasmic Reticulum Stress Contributes to Hepatocarcinogenesis in Fatty Acyl-CoA Oxidase 1â€"Deficient Mice. American Journal of Pathology, 2011, 179, 703-713.	3.8	73
10	Profile of Fatty Acids, Tocopherols, Phytosterols and Polyphenols in Mediterranean Oils (Argan Oils,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Cytoprotective Activities. Current Pharmaceutical Design, 2019, 25, 1791-1805.	1.9	64
11	Mechanisms Mediating the Regulation of Peroxisomal Fatty Acid Beta-Oxidation by PPARÎ±. International Journal of Molecular Sciences, 2021, 22, 8969.	4.1	63
12	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
13	Biochemical characterization of two functional human liver acyl-CoA oxidase isoforms 1a and 1b encoded by a single gene. Biochemical and Biophysical Research Communications, 2007, 360, 314-319.	2.1	61
14	Comparison of the effects of major fatty acids present in the Mediterranean diet (oleic acid,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 T oxiapoptophagy in microglial BV-2 cells. Chemistry and Physics of Lipids, 2017, 207, 151-170.	3.2	58
15	Hepatic Steatosis and Peroxisomal Fatty Acid Beta-oxidation. Current Drug Metabolism, 2012, 13, 1412-1421.	1.2	55
16	Performance of interdigitated nanoelectrodes for electrochemical DNA biosensor. Ultramicroscopy, 2003, 97, 441-449.	1.9	52
17	Resveratrol Interferes with IL1-Î²-Induced Pro-Inflammatory Paracrine Interaction between Primary Chondrocytes and Macrophages. Nutrients, 2016, 8, 280.	4.1	51
18	Biological activities of Schottenol and Spinasterol, two natural phytosterols present in argan oil and in cactus pear seed oil, on murine miroglial BV2 cells. Biochemical and Biophysical Research Communications, 2014, 446, 798-804.	2.1	50

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19	Protective Effect of Argan and Olive Oils against LPS-Induced Oxidative Stress and Inflammation in Mice Livers. International Journal of Molecular Sciences, 2017, 18, 2181.	4.1	45
20	Diacylglycerols Containing Omega 3 and Omega 6 Fatty Acids Bind to RasGRP and Modulate MAP Kinase Activation. Journal of Biological Chemistry, 2004, 279, 1176-1183.	3.4	41
21	Peroxisomal and mitochondrial status of two murine oligodendrocytic cell lines (158N, 158JP): potential models for the study of peroxisomal disorders associated with dysmyelination processes. Journal of Neurochemistry, 2009, 111, 119-131.	3.9	41
22	Direct measurement of the melting temperature of supported DNA by electrochemical method. Nucleic Acids Research, 2003, 31, 150e-150.	14.5	40
23	Mitochondrial Dysfunction and Lipid Homeostasis. Current Drug Metabolism, 2012, 13, 1388-1400.	1.2	39
24	Attenuation of 7-ketocholesterol-induced overproduction of reactive oxygen species, apoptosis, and autophagy by dimethyl fumarate on 158 N murine oligodendrocytes. Journal of Steroid Biochemistry and Molecular Biology, 2017, 169, 29-38.	2.5	39
25	DNA nanofilm thickness measurement on microarray in air and in liquid using an atomic force microscope. Biosensors and Bioelectronics, 2005, 21, 627-636.	10.1	37
26	The Inflammatory Response in Acyl-CoA Oxidase 1 Deficiency (Pseudoneonatal Adrenoleukodystrophy). Endocrinology, 2012, 153, 2568-2575.	2.8	37
27	Argan Oil-Mediated Attenuation of Organelle Dysfunction, Oxidative Stress and Cell Death Induced by 7-Ketocholesterol in Murine Oligodendrocytes 158N. International Journal of Molecular Sciences, 2017, 18, 2220.	4.1	37
28	Induction of peroxisomal changes in oligodendrocytes treated with 7-ketocholesterol: Attenuation by Î±-tocopherol. Biochimie, 2018, 153, 181-202.	2.6	37
29	The human peroxisome in health and disease: The story of an oddity becoming a vital organelle. Biochimie, 2014, 98, 4-15.	2.6	36
30	Cytoprotective and antioxidant properties of organic selenides for the myelin-forming cells, oligodendrocytes. Bioorganic Chemistry, 2018, 80, 43-56.	4.1	35
31	How efficient is resveratrol as an antioxidant of the Mediterranean diet, towards alterations during the aging process?. Free Radical Research, 2019, 53, 1101-1112.	3.3	34
32	Chemical and phytochemical characterizations of argan oil (Argania spinosa L. skeels), olive oil (Olea) Tj ETQq0 0 0 rgBT /Overlock 10 Tf cladode essential oil. Journal of Food Measurement and Characterization, 2018, 12, 747-754.	3.2	30
33	Diacylglycerol-containing oleic acid induces increases in [Ca2+]i via TRPC3/6 channels in human T-cells. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2012, 1821, 618-626.	2.4	29
34	Biotin attenuation of oxidative stress, mitochondrial dysfunction, lipid metabolism alteration and 7Î²-hydroxycholesterol-induced cell death in 158N murine oligodendrocytes. Free Radical Research, 2019, 53, 535-561.	3.3	29
35	Differential Regulation of Peroxisome Proliferator-Activated Receptor (PPAR)-Î±1 and Truncated PPARÎ±2 as an Adaptive Response to Fasting in the Control of Hepatic Peroxisomal Fatty Acid Î²-Oxidation in the Hibernating Mammal. Endocrinology, 2009, 150, 1192-1201.	2.8	26
36	Electrochemical probe for the monitoring of DNAâ€“protein interactions. Biosensors and Bioelectronics, 2010, 25, 2598-2602.	10.1	25

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37	Differential regulation by a peroxisome proliferator of the different multifunctional proteins in guinea pig: cDNA cloning of the guinea pig D-specific multifunctional protein 2. Biochemical Journal, 1998, 330, 1361-1368.	3.7	24
38	Peroxisomal Acyl-CoA Oxidase Type 1: Anti-Inflammatory and Anti-Aging Properties with a Special Emphasis on Studies with LPS and Argan Oil as a Model Transposable to Aging. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-13.	4.0	23
39	Changes of peroxisomal fatty acid metabolism during cold acclimatization in hibernating jerboa (Jaculus orientalis). Biochimie, 2003, 85, 707-714.	2.6	18
40	Peroxisome proliferator-activated receptors as regulators of lipid metabolism; tissue differential expression in adipose tissues during cold acclimatization and hibernation of jerboa (Jaculus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 617 T	2.6	18
41	Argan oil prevents down-regulation induced by endotoxin on liver fatty acid oxidation and gluconeogenesis and on peroxisome proliferator-activated receptor gamma coactivator-1Î±, (PGC-1Î±), peroxisome proliferator-activated receptor Î± (PPARÎ±) and estrogen related receptor Î± (ERRÎ±). Biochimie Open, 2015, 1, 51-59.	3.2	18
42	Evidence of K+ homeostasis disruption in cellular dysfunction triggered by 7-ketocholesterol, 24S-hydroxycholesterol, and tetracosanoic acid (C24:0) in 158N murine oligodendrocytes. Chemistry and Physics of Lipids, 2017, 207, 135-150.	3.2	18
43	Resveratrol-Induced Changes in MicroRNA Expression in Primary Human Fibroblasts Harboring Carnitine-Palmitoyl Transferase-2 Gene Mutation, Leading to Fatty Acid Oxidation Deficiency. Molecules, 2018, 23, 7.	3.8	16
44	Sox17 Regulates Liver Lipid Metabolism and Adaptation to Fasting. PLoS ONE, 2014, 9, e104925.	2.5	15
45	Predictive Structure and Topology of Peroxisomal ATP-Binding Cassette (ABC) Transporters. International Journal of Molecular Sciences, 2017, 18, 1593.	4.1	14
46	LXR antagonists induce ABCD2 expression. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2014, 1841, 259-266.	2.4	12
47	Hibernation impact on the catalytic activities of the mitochondrial D-3-hydroxybutyrate dehydrogenase in liver and brain tissues of jerboa (Jaculus orientalis). BMC Biochemistry, 2003, 4, 11.	4.4	10
48	Potential Involvement of Peroxisome in Multiple Sclerosis and Alzheimerâ€™s Disease. Advances in Experimental Medicine and Biology, 2020, 1299, 91-104.	1.6	10
49	Flow Cytometric Analysis of the Expression Pattern of Peroxisomal Proteins, Abcd1, Abcd2, and Abcd3 in BV-2 Murine Microglial Cells. Methods in Molecular Biology, 2017, 1595, 257-265.	0.9	9
50	Protective Effect of Cactus Cladode Extracts on Peroxisomal Functions in Microglial BV-2 Cells Activated by Different Lipopolysaccharides. Molecules, 2017, 22, 102.	3.8	9
51	Modulation of peroxisomes abundance by argan oil and lipopolysaccharides in acyl-CoA oxidase 1-deficient fibroblasts. Health, 2013, 05, 62-69.	0.3	9
52	Artemisia dracunculus L. essential oil phytochemical components trigger the activity of cellular antioxidant enzymes. Journal of Food Biochemistry, 2021, 45, e13691.	2.9	8
53	NFY interacts with the promoter region of two genes involved in the rat peroxisomal fatty acid beta-oxidation: the multifunctional protein type 1 and the 3-ketoacyl-CoA B thiolase. Lipids in Health and Disease, 2004, 3, 4.	3.0	7
54	Structural and Catalytic Properties of the D-3-Hydroxybutyrate Dehydrogenase from Pseudomonas aeruginosa. Current Microbiology, 2010, 61, 7-12.	2.2	5

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55	Personalized nutrition in ageing society: redox control of major-age related diseases through the NutRedOx Network (COST Action CA16112). Free Radical Research, 2019, 53, 1163-1170.	3.3	5
56	Effects of a Short-Term Lipopolysaccharides Challenge on Mouse Brain and Liver Peroxisomal Antioxidant and Î²-oxidative Functions: Protective Action of Argan Oil. Pharmaceuticals, 2022, 15, 465.	3.8	4
57	Immunoaffinity purification and characterization of mitochondrial membrane-bound D-3-hydroxybutyrate dehydrogenase from Jaculus orientalis. BMC Biochemistry, 2008, 9, 26.	4.4	3
58	Protection in a model of liver injury is parallel to energy mobilization capacity under distinct nutritional status. Nutrition, 2019, 67-68, 110517.	2.4	1
59	A tribute to Christian de Duve (1917â€“2013). Biochimie, 2014, 98, 1-3.	2.6	0
60	Adenosine Diphosphate and the P2Y13 Receptor Are Involved in the Autophagic Protection of Ex Vivo Perfused Livers From Fasted Rats: Potential Benefit for Liver Graft Preservation. Liver Transplantation, 2021, 27, 997-1006.	2.4	0
61	NutRedOx COST Action: Insight into Redox Compounds. Current Nutraceuticals, 2020, 1, 4-5.	0.1	0