

Ange Mouithys-Mickalad

List of Publications by Year in descending order

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57
papers

1,143
citations

361413

20
h-index

414414

32
g-index

58
all docs

58
docs citations

58
times ranked

1559
citing authors

#	ARTICLE	IF	CITATIONS
1	Generation of superoxide anion by mitochondria and impairment of their functions during anoxia and reoxygenation in vitro. <i>Free Radical Biology and Medicine</i> , 1998, 25, 1066-1074.	2.9	128
2	Resveratrol Inhibits the Activity of Equine Neutrophil Myeloperoxidase by a Direct Interaction with the Enzyme. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 8080-8087.	5.2	63
3	Propofol Reacts with Peroxynitrite to Form a Phenoxyl Radical: Demonstration by Electron Spin Resonance. <i>Biochemical and Biophysical Research Communications</i> , 1998, 249, 833-837.	2.1	61
4	Physical Fitness and Mitochondrial Respiratory Capacity in Horse Skeletal Muscle. <i>PLoS ONE</i> , 2012, 7, e34890.	2.5	50
5	EGb 761 protects liver mitochondria against injury induced by in vitro anoxia/reoxygenation. <i>Free Radical Biology and Medicine</i> , 1999, 27, 596-604.	2.9	45
6	Resveratrol and curcumin reduce the respiratory burst of Chlamydia-primed THP-1 cells. <i>Biochemical and Biophysical Research Communications</i> , 2005, 333, 21-27.	2.1	44
7	Polyphenol Content and Modulatory Activities of Some Tropical Dietary Plant Extracts on the Oxidant Activities of Neutrophils and Myeloperoxidase. <i>International Journal of Molecular Sciences</i> , 2012, 13, 628-650.	4.1	44
8	Curcumin and resveratrol act by different ways on NADPH oxidase activity and reactive oxygen species produced by equine neutrophils. <i>Chemico-Biological Interactions</i> , 2013, 206, 186-193.	4.0	41
9	Black Soldier Fly (<i>Hermetia illucens</i>) Larvae Protein Derivatives: Potential to Promote Animal Health. <i>Animals</i> , 2020, 10, 941.	2.3	39
10	New Nanostructured Materials Based on Fullerene and Biodegradable Polyesters. <i>Chemistry of Materials</i> , 2006, 18, 4917-4923.	6.7	37
11	Oxidative Processes in Human Promonocytic Cells (THP-1) after Differentiation into Macrophages by Incubation with <i>Chlamydia pneumoniae</i> Extracts. <i>Biochemical and Biophysical Research Communications</i> , 2001, 287, 781-788.	2.1	34
12	Preparation of Well-Defined PVOH/C60 Nanohybrids by Cobalt-Mediated Radical Polymerization of Vinyl Acetate. <i>Macromolecular Rapid Communications</i> , 2006, 27, 498-504.	3.9	34
13	C60-containing nanostructured polymeric materials with potential biomedical applications. <i>Polymer</i> , 2007, 48, 1835-1843.	3.8	34
14	Physical and chemical properties of pyropheophorbide-a methyl ester in ethanol, phosphate buffer and aqueous dispersion of small unilamellar dimyristoyl- α -phosphatidylcholine vesicles. <i>Photochemical and Photobiological Sciences</i> , 2006, 5, 317.	2.9	31
15	Antioxidant and Antiradical Activities of <i>Manihot esculenta</i> Crantz (Euphorbiaceae) Leaves and Other Selected Tropical Green Vegetables Investigated on Lipoperoxidation and Phorbol-12-myristate-13-acetate (PMA) Activated Monocytes. <i>Nutrients</i> , 2011, 3, 818-838.	4.1	30
16	Intra- and extracellular antioxidant capacities of the new water-soluble form of curcumin (NDS27) on stimulated neutrophils and HL-60 cells. <i>Chemico-Biological Interactions</i> , 2013, 201, 49-57.	4.0	28
17	In vitro evaluation of glutathione peroxidase (GPx)-like activity and antioxidant properties of some Ebselen analogues. <i>Redox Report</i> , 2004, 9, 81-87.	4.5	26
18	Synthesis of Poly(vinyl alcohol)/C ₆₀ and Poly(vinylpyrrolidone)/C ₆₀ Nanohybrids as Potential Photodynamic Cancer Therapy Agents. <i>Chemistry - an Asian Journal</i> , 2010, 5, 859-868.	3.3	26

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19	Proton leak induced by reactive oxygen species produced during in vitro anoxia/reoxygenation in rat skeletal muscle mitochondria. <i>Journal of Bioenergetics and Biomembranes</i> , 2006, 38, 23-32.	2.3	24
20	Effects of COX-2 inhibitors on ROS produced by Chlamydia pneumoniae-primed human promonocytic cells (THP-1). <i>Biochemical and Biophysical Research Communications</i> , 2004, 325, 1122-1130.	2.1	22
21	Differentiation between stoichiometric and anticatalytic antioxidant properties of benzoic acid analogues: A structure/redox potential relationship study. <i>Chemico-Biological Interactions</i> , 2013, 206, 194-203.	4.0	21
22	Comparison of metabolic profiles and bioactivities of the leaves of three edible Congolese <i>Hibiscus</i> species. <i>Natural Product Research</i> , 2017, 31, 2885-2892.	1.8	20
23	Oxidation Sensitivity May Be a Useful Tool for the Detection of the Hematotoxic Potential of Newly Developed Molecules: Application to Antipsychotic Drugs. <i>Archives of Biochemistry and Biophysics</i> , 1999, 370, 126-137.	3.0	17
24	Flavonoid composition, cellular antioxidant activity and (myelo)peroxidase inhibition of a <i>Bryonia alba</i> L. (Cucurbitaceae) leaves extract. <i>Journal of Pharmacy and Pharmacology</i> , 2019, 71, 230-239.	2.4	17
25	Oxygen consumption of equine articular chondrocytes: Influence of applied oxygen tension and glucose concentration during culture. <i>Cell Biology International</i> , 2007, 31, 878-886.	3.0	16
26	JL 13, a Potential Successor to Clozapine, Is Less Sensitive to Oxidative Phenomena. <i>Biochemical and Biophysical Research Communications</i> , 1997, 238, 252-255.	2.1	15
27	Electrooxidation Potential as a Tool in the Early Screening for New Safer Clozapine-like Analogues. <i>Journal of Medicinal Chemistry</i> , 2001, 44, 769-776.	6.4	15
28	Phytochemical composition and antioxidant activities of different aerial parts extracts of <i>Ferula communis</i> L. <i>Plant Biosystems</i> , 2019, 153, 213-221.	1.6	14
29	Investigation of singlet oxygen reactivity towards propofol. <i>Photochemical and Photobiological Sciences</i> , 2003, 2, 939.	2.9	13
30	Peroxynitrite Reacts with Biological Nitrogen-Containing Cyclic Molecules by a Radical Pathway, as Demonstrated by Ultraweak Luminescence Coupled with ESR Technique. <i>Biochemical and Biophysical Research Communications</i> , 1999, 259, 460-464.	2.1	12
31	Triphenylphosphonium salts of 1,2,4-benzothiadiazine 1,1-dioxides related to diazoxide targeting mitochondrial ATP-sensitive potassium channels. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 5878-5881.	2.2	12
32	Oxygen consumption and electron spin resonance studies of free radical production by alveolar cells exposed to anoxia: inhibiting effects of the antibiotic ceftazidime. <i>Redox Report</i> , 2002, 7, 85-94.	4.5	11
33	Antioxidant potentiality of three herbal teas consumed in Bandundu rural areas of Congo. <i>Natural Product Research</i> , 2017, 31, 1940-1943.	1.8	11
34	Effects of glucocorticoids on the respiratory burst of Chlamydia-primed THP-1 cells. <i>Biochemical and Biophysical Research Communications</i> , 2004, 318, 941-948.	2.1	10
35	The soluble curcumin derivative NDS27 inhibits superoxide anion production by neutrophils and acts as substrate and reversible inhibitor of myeloperoxidase. <i>Chemico-Biological Interactions</i> , 2019, 297, 34-43.	4.0	10
36	Synthesis and pharmacological evaluation of 6-piperidino- and 6-piperazinoalkyl-2(3 H) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (-)-be 1149-1152.	2.2	8

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37	Modulating effects of acepromazine on the reactive oxygen species production by stimulated equine neutrophils. <i>Veterinary Anaesthesia and Analgesia</i> , 2011, 38, 83-93.	0.6	7
38	NDS27 combines the effect of curcumin lysinate and hydroxypropyl- β -cyclodextrin to inhibit equine PKC ζ and NADPH oxidase involved in the oxidative burst of neutrophils. <i>FEBS Open Bio</i> , 2014, 4, 1021-1029.	2.3	7
39	Assessment of anti-inflammatory-like, antioxidant activities and molecular docking of three alkynyl-substituted 3-ylidene-dihydrobenzo[d]isothiazole 1,1-dioxide derivatives. <i>Chemico-Biological Interactions</i> , 2021, 344, 109513.	4.0	7
40	Catalytic activation of copper (II) salts on the reaction of peroxyxynitrite with propofol in alkaline medium. <i>Nitric Oxide - Biology and Chemistry</i> , 2005, 12, 252-260.	2.7	6
41	Muscle Derived Mesenchymal Stem Cells Inhibit the Activity of the Free and the Neutrophil Extracellular Trap (NET)-Bond Myeloperoxidase. <i>Cells</i> , 2021, 10, 3486.	4.1	6
42	Modulatory activities of <i>Agelanthus dodoneifolius</i> (Loranthaceae) extracts on stimulated equine neutrophils and myeloperoxidase activity. <i>International Journal of Molecular Medicine</i> , 2011, 28, 261-70.	4.0	5
43	Evaluation of Antiradical and Anti-Inflammatory Activities of Ethyl Acetate and Butanolic Subfractions of <i>Agelanthus dodoneifolius</i> (DC.) Polhill & Wiens (Loranthaceae) Using Equine Myeloperoxidase and Both PMA-Activated Neutrophils and HL-60 Cells. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-9.	1.2	5
44	EquiNox2: A new method to measure NADPH oxidase activity and to study effect of inhibitors and their interactions with the enzyme. <i>Talanta</i> , 2015, 144, 1252-1259.	5.5	5
45	Photochemical Properties and Activity of Water-Soluble Polymer/C ₆₀ Nanohybrids for Photodynamic Therapy. <i>Macromolecular Bioscience</i> , 2013, 13, 106-115.	4.1	4
46	Anti-inflammatory and antioxidant activities of <i>Rungia congoensis</i> , a traditional vegetable consumed by Yombe people from Kongo Central area (DR. Congo). <i>Natural Product Research</i> , 2019, 33, 1650-1654.	1.8	4
47	Production of Free Radicals and Oxygen Consumption by Primary Equine Endothelial Cells During Anoxia-Reoxygenation. <i>The Open Biochemistry Journal</i> , 2011, 5, 52-59.	0.5	4
48	Design, synthesis and biochemical evaluation of novel 2-amino-3-(7-methoxybenzo[d][1,3]dioxol-5-yl)propanoic acid using Horseradish peroxidase (HRP) activity, cellular ROS inhibition and molecular docking study. <i>Journal of Molecular Structure</i> , 2022, 1250, 131668.	3.6	4
49	Effects of isoflurane and sevoflurane on the neutrophil myeloperoxidase system of horses. <i>Veterinary Immunology and Immunopathology</i> , 2015, 165, 93-97.	1.2	3
50	Effects of Juglone on Neutrophil Degranulation and Myeloperoxidase Activity Related to Equine Laminitis. <i>Frontiers in Veterinary Science</i> , 2021, 8, 677675.	2.2	3
51	Effect of honey on purified equine myeloperoxidase activity and superoxide radical production in activated Polymorphonuclear neutrophils. <i>Frontiers in Life Science: Frontiers of Interdisciplinary Research in the Life Sciences</i> , 2015, 8, 379-386.	1.1	2
52	Antioxidant capacity and anti-inflammatory potential of two extracts of <i>Ficus carica</i> leaves dried in the shade and in the oven. <i>Mediterranean Journal of Nutrition and Metabolism</i> , 2019, 12, 365-376.	0.5	2
53	In vitro Antileishmanial, Antitrypanosomal, and Anti-inflammatory-like Activity of Terminalia mollis Root Bark. <i>Planta Medica</i> , 2021, 87, 724-731.	1.3	2
54	Microscopic Characteristics, Chromatographic Profiles and Inhibition of Peroxidase Activity of the Leaves of <i>Manihot esculenta</i> and <i>Manihot glaziovii</i> , Consumed as Traditional Vegetables. <i>Journal of Biosciences and Medicines</i> , 2021, 09, 59-73.	0.2	2

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55	In Vitro Assays for the Assessment of Impaired Mitochondrial Bioenergetics in Equine Atypical Myopathy. <i>Life</i> , 2021, 11, 719.	2.4	1
56	Structural description, IR, TGA, antiradical, HRP activity inhibition and molecular docking exploration of N-cyclohexyl-N-tosylformamide. <i>Journal of Molecular Structure</i> , 2022, 1269, 133731.	3.6	1
57	Modulation of mitochondrial respiration rate and calcium-induced swelling by new cromakalim analogues. <i>Chemico-Biological Interactions</i> , 2020, 331, 109272.	4.0	0