

Esther MartÃ- nez-Lara

List of Publications by Year in descending order

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45
papers

1,218
citations

331642

21
h-index

395678

33
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46
all docs

46
docs citations

46
times ranked

1941
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of a human milk oligosaccharide, 2- α -fucosyllactose, on hippocampal long-term potentiation and learning capabilities in rodents. <i>Journal of Nutritional Biochemistry</i> , 2015, 26, 455-465.	4.2	129
2	Tyrosol, a main phenol present in extra virgin olive oil, increases lifespan and stress resistance in <i>Caenorhabditis elegans</i> . <i>Mechanisms of Ageing and Development</i> , 2012, 133, 563-574.	4.6	89
3	Antioxidant and detoxifying fish enzymes as biomarkers of river pollution. <i>Biomarkers</i> , 1997, 2, 247-252.	1.9	82
4	Age-related changes of the nitric oxide system in the rat brain. <i>Brain Research</i> , 2002, 956, 385-392.	2.2	64
5	Direct assay of glutathione peroxidase activity using high-performance capillary electrophoresis. <i>Biomedical Applications</i> , 1992, 581, 49-56.	1.7	50
6	Evidence of a decrease in nitric oxide-storage molecules following acute hypoxia and/or hypobaria, by means of chemiluminescence analysis. <i>Nitric Oxide - Biology and Chemistry</i> , 2005, 13, 62-67.	2.7	42
7	Levels of cellular glutathione and metallothionein affect the toxicity of oxidative stressors in an established carp cell line. <i>Marine Environmental Research</i> , 2000, 50, 503-508.	2.5	40
8	Insight into the biological pathways underlying fibromyalgia by a proteomic approach. <i>Journal of Proteomics</i> , 2018, 186, 47-55.	2.4	40
9	Glutathione S-transferase isoenzymatic response to aging in rat cerebral cortex and cerebellum. <i>Neurobiology of Aging</i> , 2003, 24, 501-509.	3.1	38
10	Tyrosol, a simple phenol from EVOO, targets multiple pathogenic mechanisms of neurodegeneration in a <i>C. elegans</i> model of Parkinson's disease. <i>Neurobiology of Aging</i> , 2019, 82, 60-68.	3.1	38
11	PARP-1 modulates deferoxamine-induced HIF-1 α accumulation through the regulation of nitric oxide and oxidative stress. <i>Journal of Cellular Biochemistry</i> , 2008, 104, 2248-2260.	2.6	35
12	Detection of main urinary metabolites of β_2 -agonists clenbuterol, salbutamol and terbutaline by liquid chromatography high resolution mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 923-924, 128-135.	2.3	34
13	Temporal profiles of blood pressure, circulating nitric oxide, and adrenomedullin as predictors of clinical outcome in acute ischemic stroke patients. <i>Molecular Medicine Reports</i> , 2016, 13, 3724-3734.	2.4	33
14	Evidence from heterologous expression of glutathione S-transferases A and A1 of the plaice (<i>Pleuronectes platessa</i>) that their endogenous role is in detoxification of lipid peroxidation products. <i>Marine Environmental Research</i> , 2002, 54, 263-266.	2.5	31
15	Poly(ADP-ribose) polymerase-1 modulation of <i>in vivo</i> response of brain hypoxia-inducible factor-1 to hypoxia/reoxygenation is mediated by nitric oxide and factor inhibiting HIF. <i>Journal of Neurochemistry</i> , 2009, 111, 150-159.	3.9	30
16	Molecular and kinetic characterization and cell type location of inducible nitric oxide synthase in fish. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2000, 279, R650-R656.	1.8	28
17	Methods for purification of glutathione peroxidase and related enzymes. <i>Biomedical Applications</i> , 1996, 684, 77-97.	1.7	26
18	Crosstalk between hydroxytyrosol, a major olive oil phenol, and HIF-1 in MCF-7 breast cancer cells. <i>Scientific Reports</i> , 2020, 10, 6361.	3.3	26

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19	Aging affects but does not eliminate the enzymatic antioxidative response to hypoxia/reoxygenation in cerebral cortex. <i>Experimental Gerontology</i> , 2006, 41, 25-31.	2.8	25
20	Study of the nitric oxide system in the rat cerebellum during aging. <i>BMC Neuroscience</i> , 2010, 11, 78.	1.9	24
21	Nitric oxide modulates hypoxia-inducible factor-1 and poly(ADP-ribose) polymerase-1 cross talk in response to hypobaric hypoxia. <i>Journal of Applied Physiology</i> , 2012, 112, 816-823.	2.5	24
22	Steatosis recovery after treatment with a balanced sunflower or olive oil-based diet: Involvement of perisinusoidal stellate cells. <i>World Journal of Gastroenterology</i> , 2005, 11, 7480.	3.3	24
23	Upregulation of endothelial nitric oxide synthase maintains nitric oxide production in the cerebellum of thioacetamide cirrhotic rats. <i>Neuroscience</i> , 2004, 126, 879-887.	2.3	21
24	Glutathione-S-transferase isoenzyme patterns in the gilthead seabream (<i>sparus aurata</i>) exposed to environmental contaminants. <i>Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology</i> , 1996, 113, 215-220.	0.5	19
25	Immunohistochemistry of neuronal nitric oxide synthase and protein nitration in the striatum of the aged rat. <i>Microscopy Research and Technique</i> , 2004, 64, 304-311.	2.2	18
26	Constitutive nitric oxide synthases are responsible for the nitric oxide production in the ischemic aged cerebral cortex. <i>Brain Research</i> , 2005, 1054, 88-94.	2.2	18
27	Hyaluronate Nanoparticles as a Delivery System to Carry Neuroglobin to the Brain after Stroke. <i>Pharmaceutics</i> , 2020, 12, 40.	4.5	18
28	The nitric oxide system response to hypoxia/reoxygenation in the aged cerebral cortex. <i>Experimental Gerontology</i> , 2007, 42, 1137-1145.	2.8	17
29	Combined data mining strategy for the systematic identification of sport drug metabolites in urine by liquid chromatography time-of-flight mass spectrometry. <i>Analytica Chimica Acta</i> , 2013, 761, 1-10.	5.4	16
30	Hypoxia modulates the antioxidant effect of hydroxytyrosol in MCF-7 breast cancer cells. <i>PLoS ONE</i> , 2018, 13, e0203892.	2.5	16
31	Purification and characterization of multiple glutathione transferase isoenzymes from grey mullet liver. <i>Cellular and Molecular Life Sciences</i> , 1997, 53, 759-768.	5.4	14
32	Hydroxytyrosol decreases the oxidative and nitrosative stress levels and promotes angiogenesis through HIF-1 independent mechanisms in renal hypoxic cells. <i>Food and Function</i> , 2016, 7, 540-548.	4.6	14
33	The hypoxic preconditioning agent deferoxamine induces poly(ADP-ribose) polymerase-1-dependent inhibition of the mitochondrial respiratory chain. <i>Molecular and Cellular Biochemistry</i> , 2012, 363, 101-108.	3.1	12
34	Serine dehydratase expression decreases in rat livers injured by chronic thioacetamide ingestion. <i>Molecular and Cellular Biochemistry</i> , 2005, 268, 33-43.	3.1	11
35	Age and sex-related serum changes in nitric oxide: Correlations with serological markers. <i>International Journal of Cardiology</i> , 2007, 121, 88-90.	1.7	11
36	Rapid method for the determination of glutathione transferase isoenzymes in crude extracts. <i>Journal of Chromatography A</i> , 1992, 609, 141-146.	3.7	9

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37	HPLC ISOENZYME PATTERNS OF GLUTATHIONE TRANSFERASE FROM MARINE FISHES WITH DIFFERENT LEVELS OF POLLUTION. <i>Biochemical Society Transactions</i> , 1991, 19, 302S-302S.	3.4	8
38	Age modulates the nitric oxide system response in the ischemic cerebellum. <i>Brain Research</i> , 2007, 1157, 66-73.	2.2	8
39	PARP-1-dependent 3-nitrotyrosine protein modification after DNA damage. <i>Journal of Cellular Biochemistry</i> , 2005, 96, 709-715.	2.6	7
40	Hydroxytyrosol as a Promising Ally in the Treatment of Fibromyalgia. <i>Nutrients</i> , 2020, 12, 2386.	4.1	6
41	Adrenomedullin Is a Diagnostic and Prognostic Biomarker for Acute Intracerebral Hemorrhage. <i>Current Issues in Molecular Biology</i> , 2021, 43, 324-334.	2.4	6
42	Changes in GST-isoenzyme pattern of some organs of sheep exposed to different levels of pollution. <i>Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology</i> , 1996, 114, 153-158.	0.5	5
43	Synthesis and characterization of different sodium hyaluronate nanoparticles to transport large neurotherapeutic molecules through blood brain barrier after stroke. <i>European Polymer Journal</i> , 2019, 112, 433-441.	5.4	4
44	Biological Implications of a Stroke Therapy Based in Neuroglobin Hyaluronate Nanoparticles. Neuroprotective Role and Molecular Bases. <i>International Journal of Molecular Sciences</i> , 2022, 23, 247.	4.1	3
45	Study of tamoxifen urinary metabolites in rat by ultra-high performance liquid chromatography time-of-flight mass spectrometry. <i>Biomedical Chromatography</i> , 2015, 29, 1220-1228.	1.7	1