

Antonio Ayala

List of Publications by Year in descending order

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53
papers

5,143
citations

279487

23
h-index

182168

51
g-index

53
all docs

53
docs citations

53
times ranked

9512
citing authors

#	ARTICLE	IF	CITATIONS
1	Natural Compounds as Integrative Therapy for Liver Protection against Inflammatory and Carcinogenic Mechanisms: From Induction to Molecular Biology Advancement. <i>Current Molecular Medicine</i> , 2023, 23, 216-231.	0.6	2
2	The Neurokinin-1 Receptor Is Essential for the Viability of Human Glioma Cells: A Possible Target for Treating Glioblastoma. <i>BioMed Research International</i> , 2022, 2022, 1-13.	0.9	11
3	Hydroxytyrosol, olive oil, and use in aging. , 2021, , 537-546.		0
4	Rosmarinus officinalis L. (Rosemary): An Ancient Plant with Uses in Personal Healthcare and Cosmetics. <i>Cosmetics</i> , 2020, 7, 77.	1.5	50
5	Effect of Age and Lipoperoxidation in Rat and Human Adipose Tissue-Derived Stem Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-20.	1.9	8
6	Effects on goal directed behavior and habit in two animal models of Parkinsonâ€™s disease. <i>Neurobiology of Learning and Memory</i> , 2020, 169, 107190.	1.0	6
7	Targeting pro-senescence mitogen activated protein kinase (Mapk) enzymes with bioactive natural compounds. <i>Food and Chemical Toxicology</i> , 2019, 131, 110544.	1.8	20
8	Advantages and disadvantages of apoptosis in the aging process. <i>Annals of the New York Academy of Sciences</i> , 2019, 1443, 20-33.	1.8	43
9	Dysregulation of the Hippo pathway signaling in aging and cancer. <i>Pharmacological Research</i> , 2019, 143, 151-165.	3.1	34
10	Adiposeâ€derived stem cells decreased microglia activation and protected dopaminergic loss in rat lipopolysaccharide model. <i>Journal of Cellular Physiology</i> , 2019, 234, 13762-13772.	2.0	15
11	Cell tracking, survival, and differentiation capacity of adiposeâ€derived stem cells after engraftment in rat tissue. <i>Journal of Cellular Physiology</i> , 2018, 233, 6317-6328.	2.0	24
12	Role of Melatonin in the Inflammatory Process and its Therapeutic Potential. <i>Current Pharmaceutical Design</i> , 2018, 24, 1563-1588.	0.9	80
13	Aging and Oxidative Stress Decrease Pineal Elongation Factor 2: In Vivo Protective Effect of Melatonin in Young Rats Treated With Cumene Hydroperoxide. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 182-190.	1.2	9
14	Immunolocalization of Substance P and NKâ€1 Receptor in ADIPOSE Stem Cells. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 4686-4696.	1.2	11
15	Effect of VBC-1814/7], a poly-phytocompound, on a non-infectious model of pharyngitis. <i>Experimental and Therapeutic Medicine</i> , 2017, 13, 3075-3080.	0.8	4
16	Application of Kinase Inhibitors for Anti-aging Intervention. <i>Current Pharmaceutical Design</i> , 2017, 23, 4351-4368.	0.9	9
17	Beneficial effect of refined red palm oil on lipid peroxidation and monocyte tissue factor in HCV-related liver disease: a randomizer controller study. <i>Hepatobiliary and Pancreatic Diseases International</i> , 2016, 15, 165-172.	0.6	11
18	Chronic stress alters the expression levels of longevity-related genes in the rat hippocampus. <i>Neurochemistry International</i> , 2016, 97, 181-192.	1.9	26

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19	Time and dose dependent effects of oxidative stress induced by cumene hydroperoxide in neuronal excitability of rat motor cortex neurons. <i>NeuroToxicology</i> , 2016, 53, 201-214.	1.4	11
20	Advanced therapy medicinal products: Gene therapy. <i>Pharmaceuticals Policy and Law</i> , 2015, 17, 253-264.	0.1	0
21	Chronic stress as a risk factor for Alzheimer's disease. <i>Reviews in the Neurosciences</i> , 2014, 25, 785-804.	1.4	132
22	Lipid Peroxidation: Production, Metabolism, and Signaling Mechanisms of Malondialdehyde and 4-Hydroxy-2-Nonenal. <i>Oxidative Medicine and Cellular Longevity</i> , 2014, 2014, 1-31.	1.9	3,650
23	Elongation factor 2 diphthamide is critical for translation of two IRES-dependent protein targets, XIAP and FGF2, under oxidative stress conditions. <i>Free Radical Biology and Medicine</i> , 2014, 67, 131-138.	1.3	44
24	Molecular control of the amount, subcellular location, and activity state of translation elongation factor 2 in neurons experiencing stress. <i>Free Radical Biology and Medicine</i> , 2013, 61, 61-71.	1.3	22
25	In vitro and in vivo protection by melatonin against the decline of elongation factor-2 caused by lipid peroxidation: preservation of protein synthesis. <i>Journal of Pineal Research</i> , 2012, 53, 1-10.	3.4	12
26	Effect of aging and oxidative stress on elongation factor-2 in hypothalamus and hypophysis. <i>Mechanisms of Ageing and Development</i> , 2011, 132, 55-64.	2.2	26
27	Comparative Study of their Vitro Protective Effects of Several Antioxidants on Elongation Factor 2 under Oxidative Stress Conditions. <i>Bioscience, Biotechnology and Biochemistry</i> , 2010, 74, 1373-1379.	0.6	3
28	Adduct formation of 4-hydroxynonenal and malondialdehyde with elongation factor-2 in vitro and in vivo. <i>Free Radical Biology and Medicine</i> , 2009, 47, 324-330.	1.3	24
29	In vitro Protective Effect of a Hydrophilic Vitamin E Analogue on the Decrease in Levels of Elongation Factor 2 in Conditions of Oxidative Stress. <i>Gerontology</i> , 2007, 53, 282-288.	1.4	1
30	A Preliminary Analysis of Within-Subject Variation in Human Serum Oxidative Stress Parameters as a Function of Time. <i>Rejuvenation Research</i> , 2007, 10, 621-636.	0.9	24
31	Mitochondrial toxins and neurodegenerative diseases. <i>Frontiers in Bioscience - Landmark</i> , 2007, 12, 986.	3.0	53
32	Correlation between circulating biomarkers of oxidative stress of maternal and umbilical cord blood at birth. <i>Free Radical Research</i> , 2006, 40, 565-570.	1.5	80
33	Oxidative stress is increased in critically ill patients according to antioxidant vitamins intake, independent of severity: a cohort study. <i>Critical Care</i> , 2006, 10, R146.	2.5	76
34	In vitro effect of lipid peroxidation metabolites on elongation factor-2. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2006, 1760, 445-452.	1.1	14
35	Effects of short-term supplementation with folic acid on different oxidative stress parameters in patients with hypertension. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2005, 1726, 152-159.	1.1	10
36	Do the serum oxidative stress biomarkers provide a reasonable index of the general oxidative stress status?. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2004, 1674, 251-259.	1.1	97

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37	Comparison of methods for sample preparation of individual rat cerebrospinal fluid samples prior to two-dimensional polyacrylamide gel electrophoresis. <i>Biotechnology Letters</i> , 2003, 25, 1899-1903.	1.1	4
38	Effect of prenatal exposure to ethanol on hepatic elongation factor-2 and proteome in 21 d old rats: protective effect of folic acid. <i>Free Radical Biology and Medicine</i> , 2003, 35, 428-437.	1.3	17
39	Semichronic Inhibition of Glutathione Reductase Promotes Oxidative Damage to Proteins and Induces both Transcription and Translation of Tyrosine Hydroxylase in the Nigrostriatal System. <i>Free Radical Research</i> , 2003, 37, 1003-1012.	1.5	6
40	Impairment of Mineralocorticoid Receptor (MR)-dependent Biological Response by Oxidative Stress and Aging. <i>Journal of Biological Chemistry</i> , 2002, 277, 11896-11903.	1.6	38
41	The Endogenous Amine 1-Methyl-1,2,3,4- Tetrahydroisoquinoline Prevents the Inhibition of Complex I of the Respiratory Chain Produced by MPP+. <i>Journal of Neurochemistry</i> , 2001, 75, 65-71.	2.1	29
42	Protective effect of melatonin against the 1-methyl-4-phenylpyridinium-induced inhibition of Complex I of the mitochondrial respiratory chain. <i>Journal of Pineal Research</i> , 2000, 29, 40-47.	3.4	76
43	Effects of aging on the various steps of protein synthesis: fragmentation of elongation factor 2. <i>Free Radical Biology and Medicine</i> , 1999, 26, 362-370.	1.3	49
44	Induced mono-(ADP)-ribosylation of rat liver cytosolic proteins by lipid peroxidant agents. <i>Free Radical Biology and Medicine</i> , 1999, 26, 1079-1084.	1.3	7
45	Use of rotofor preparative isoelectrofocusing cell in protein purification procedure. <i>Applied Biochemistry and Biotechnology</i> , 1998, 69, 11-16.	1.4	30
46	Low selenium diet increases the dopamine turnover in prefrontal cortex of the rat. <i>Neurochemistry International</i> , 1997, 30, 549-555.	1.9	81
47	Effect of Oxidative Stress, Produced by Cumene Hydroperoxide, on the Various Steps of Protein Synthesis. <i>Journal of Biological Chemistry</i> , 1996, 271, 23105-23110.	1.6	79
48	Changes in Superoxide Dismutase Activity in Liver and Lung of Old Rats. <i>Free Radical Research</i> , 1996, 25, 401-405.	1.5	19
49	A convenient procedure for quantitative analysis of stained or immunostained blotting membranes by densitometry. <i>Biotechnology Letters</i> , 1995, 9, 29-30.	0.5	1
50	One-step electroblotting of 2- to 100-kDa proteins onto a PVDF membrane. <i>Applied Biochemistry and Biotechnology</i> , 1995, 53, 285-292.	1.4	1
51	Reduction of 1-methyl 1,2,3,4-tetrahydroisoquinoline level in substantia nigra of the aged rat. <i>Brain Research</i> , 1994, 638, 334-336.	1.1	28
52	Involvement of diminution of glutathione, produced by deficiency of methionine in the diet, in the elevation of malic enzyme level in rat liver. <i>Lipids and Lipid Metabolism</i> , 1991, 1084, 48-52.	2.6	10
53	Malic enzyme levels are increased by the activation of NADPH-consuming pathways: detoxification processes. <i>FEBS Letters</i> , 1986, 202, 102-106.	1.3	26