VerÃ³nica PÃ©rez-de la Cruz

List of Publications by Year
in descending order

77 papers	6,977 citations	236925 25 h-index	79698 73 g-index
77 all docs	77 docs citations	77 times ranked	16507 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	Quinolinic Acid: An Endogenous Neurotoxin with Multiple Targets. Oxidative Medicine and Cellular Longevity, 2013, 2013, 1-14.	4.0	238
3	3-Nitropropionic Acid as a Tool to Study the Mechanisms Involved in Huntingtonâ€™s Disease: Past, Present and Future. Molecules, 2010, 15, 878-916.	3.8	163
4	Quinolinic Acid, an Endogenous Molecule Combining Excitotoxicity, Oxidative Stress and Other Toxic Mechanisms. International Journal of Tryptophan Research, 2012, 5, IJTR.S8158.	2.3	119
5	Excitotoxic damage, disrupted energy metabolism, and oxidative stress in the rat brain: antioxidant and neuroprotective effects of <scp>l</scp>â€carnitine. Journal of Neurochemistry, 2008, 105, 677-689.	3.9	108
6	Role of Redox Status in Development of Glioblastoma. Frontiers in Immunology, 2016, 7, 156.	4.8	108
7	Kynurenines with Neuroactive and Redox Properties: Relevance to Aging and Brain Diseases. Oxidative Medicine and Cellular Longevity, 2014, 2014, 1-22.	4.0	95
8	Cognitive Impairment Induced by Lead Exposure during Lifespan: Mechanisms of Lead Neurotoxicity. Toxics, 2021, 9, 23.	3.7	75
9	Initial Immunopathogenesis of Multiple Sclerosis: Innate Immune Response. Clinical and Developmental Immunology, 2013, 2013, 1-15.	3.3	73
10	Protective effect of S-allylcysteine on 3-nitropropionic acid-induced lipid peroxidation and mitochondrial dysfunction in rat brain synaptosomes. Brain Research Bulletin, 2006, 68, 379-383.	3.0	68
11	S-Allylcysteine prevents the rat from 3-nitropropionic acid-induced hyperactivity, early markers of oxidative stress and mitochondrial dysfunction. Neuroscience Research, 2006, 56, 39-44.	1.9	66
12	Application of Nanoparticles on Diagnosis and Therapy in Gliomas. BioMed Research International, 2013, 2013, 1-20.	1.9	62
13	Protective effect of l-kynurenine and probenecid on 6-hydroxydopamine-induced striatal toxicity in rats: Implications of modulating kynurenate as a protective strategy. Neurotoxicology and Teratology, 2011, 33, 303-312.	2.4	59
14	The natural xanthone Î±-mangostin reduces oxidative damage in rat brain tissue. Nutritional Neuroscience, 2009, 12, 35-42.	3.1	55
15	Lipid peroxidation, mitochondrial dysfunction and neurochemical and behavioural deficits in different neurotoxic models: Protective role of S-allylcysteine. Free Radical Research, 2008, 42, 892-902.	3.3	52
16	Kynurenine Pathway and Disease: An Overview. CNS and Neurological Disorders - Drug Targets, 2007, 6, 398-410.	1.4	49
17	Protective effect of systemic l-kynurenine and probenecid administration on behavioural and morphological alterations induced by toxic soluble amyloid beta (25â€“35) in rat hippocampus. Behavioural Brain Research, 2010, 210, 240-250.	2.2	46
18	Relevance of Alternative Routes of Kynurenic Acid Production in the Brain. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-14.	4.0	43

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19	Targeting oxidative/nitrergic stress ameliorates motor impairment, and attenuates synaptic mitochondrial dysfunction and lipid peroxidation in two models of Huntington's disease. Behavioural Brain Research, 2009, 199, 210-217.	2.2	37
20	Protective Effect of Tert-Butylhydroquinone on the Quinolinic-Acid-Induced Toxicity in Rat Striatal Slices: Role of the Nrf2-Antioxidant Response Element Pathway. NeuroSignals, 2010, 18, 24-31.	0.9	37
21	Alternative kynurenic acid synthesis routes studied in the rat cerebellum. Frontiers in Cellular Neuroscience, 2015, 9, 178.	3.7	37
22	Cytoplasmic calcium mediates oxidative damage in an excitotoxic /energetic deficit synergic model in rats. European Journal of Neuroscience, 2008, 27, 1075-1085.	2.6	31
23	Selenium reduces the proapoptotic signaling associated to NF-Î²B pathway and stimulates glutathione peroxidase activity during excitotoxic damage produced by quinolinate in rat corpus striatum. Synapse, 2005, 58, 258-266.	1.2	28
24	3-Hydroxykynurenine and 3-Hydroxyanthranilic Acid Enhance the Toxicity Induced by Copper in Rat Astrocyte Culture. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-12.	4.0	28
25	Time-course correlation of early toxic events in three models of striatal damage: Modulation by proteases inhibition. Neurochemistry International, 2010, 56, 834-842.	3.8	26
26	Low Serum Tryptophan Levels as an Indicator of Global Cognitive Performance in Nondemented Women over 50 Years of Age. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-10.	4.0	26
27	Alpha-mangostin induces changes in glutathione levels associated with glutathione peroxidase activity in rat brain synaptosomes. Nutritional Neuroscience, 2012, 15, 13-19.	3.1	25
28	Antioxidant strategy to rescue synaptosomes from oxidative damage and energy failure in neurotoxic models in rats: protective role of S-allylcysteine. Journal of Neural Transmission, 2010, 117, 35-44.	2.8	24
29	Cytotoxicity induced by carbon nanotubes in experimental malignant glioma. International Journal of Nanomedicine, 2017, Volume 12, 6005-6026.	6.7	24
30	Malignant Glioma Therapy by Vaccination with Irradiated C6 Cell-Derived Microvesicles Promotes an Antitumoral Immune Response. Molecular Therapy, 2019, 27, 1612-1620.	8.2	23
31	Redox and Anti-Inflammatory Properties from Hop Components in Beer-Related to Neuroprotection. Nutrients, 2021, 13, 2000.	4.1	23
32	Antioxidant properties of xanthones from Calophyllum brasiliense: prevention of oxidative damage induced by FeSO4. BMC Complementary and Alternative Medicine, 2013, 13, 262.	3.7	21
33	Quinacrine, an Antimalarial Drug with Strong Activity Inhibiting SARS-CoV-2 Viral Replication In Vitro. Viruses, 2021, 13, 121.	3.3	21
34	Early Changes in Oxidative Stress Markers in a Rat Model of Acute Stress: Effect of l-carnitine on the Striatum. Basic and Clinical Pharmacology and Toxicology, 2011, 109, 123-129.	2.5	20
35	Effects of High Dietary Carbohydrate and Lipid Intake on the Lifespan of C. elegans. Cells, 2021, 10, 2359.	4.1	20
36	Diazepam Blocks Striatal Lipid Peroxidation and Improves Stereotyped Activity in a Rat Model of Acute Stress. Basic and Clinical Pharmacology and Toxicology, 2011, 109, 350-356.	2.5	19

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37	Peroxynitrite decomposition catalyst, iron metalloporphyrin, reduces quinolinate-induced neurotoxicity in rats. Synapse, 2004, 54, 233-238.	1.2	17
38	Enzymatic transamination of <scp>d</scp>â€kynurenine generates kynurenic acid in rat and human brain. Journal of Neurochemistry, 2012, 120, 1026-1035.	3.9	17
39	Serum Kynurenines Correlate With Depressive Symptoms and Disability in Poststroke Patients: A Cross-sectional Study. Neurorehabilitation and Neural Repair, 2020, 34, 936-944.	2.9	17
40	Selenium-induced antioxidant protection recruits modulation of thioredoxin reductase during excitotoxic/pro-oxidant events in the rat striatum. Neurochemistry International, 2012, 61, 195-206.	3.8	16
41	RB mutation and RAS overexpression induce resistance to NK cell-mediated cytotoxicity in glioma cells. Cancer Cell International, 2015, 15, 57.	4.1	16
42	Kynurenine Pathway as a New Target of Cognitive Impairment Induced by Lead Toxicity During the Lactation. Scientific Reports, 2020, 10, 3184.	3.3	16
43	Early nerve ending rescue from oxidative damage and energy failure by l-carnitine as post-treatment in two neurotoxic models in rat: recovery of antioxidant and reductive capacities. Experimental Brain Research, 2009, 197, 287-296.	1.5	15
44	Concomitant treatment with pertussis toxin plus temozolomide increases the survival of rats bearing intracerebral RG2 glioma. Journal of Cancer Research and Clinical Oncology, 2014, 140, 291-301.	2.5	15
45	Subchronic N-acetylcysteine Treatment Decreases Brain Kynurenic Acid Levels and Improves Cognitive Performance in Mice. Antioxidants, 2021, 10, 147.	5.1	14
46	Potential Use of Nitrogen-Doped Carbon Nanotube Sponges as Payload Carriers Against Malignant Glioma. Nanomaterials, 2021, 11, 1244.	4.1	14
47	Cloning and biochemical characterization of three glucoseâ€6â€phosphate dehydrogenase mutants presents in the Mexican population. International Journal of Biological Macromolecules, 2018, 119, 926-936.	7.5	13
48	On the Antioxidant Properties of L-Kynurenine: An Efficient ROS Scavenger and Enhancer of Rat Brain Antioxidant Defense. Antioxidants, 2022, 11, 31.	5.1	13
49	Effects of Single and Double Mutants in Human Glucose-6-Phosphate Dehydrogenase Variants Present in the Mexican Population: Biochemical and Structural Analysis. International Journal of Molecular Sciences, 2020, 21, 2732.	4.1	12
50	Biochemical Characterization and Structural Modeling of Fused Glucose-6-Phosphate Dehydrogenase-Phosphogluconolactonase from Giardia lamblia. International Journal of Molecular Sciences, 2018, 19, 2518.	4.1	11
51	PAMP-DAMPs interactions mediates development and progression of multiple sclerosis. Frontiers in Bioscience - Scholar, 2016, 8, 13-28.	2.1	10
52	Production and Evaluation of an Avian IgY Immunotoxin against CD133+ for Treatment of Carcinogenic Stem Cells in Malignant Glioma: IgY Immunotoxin for the Treatment of Glioblastoma. Journal of Oncology, 2019, 2019, 1-15.	1.3	9
53	Iron porphyrinate Fe(TPPS) reduces brain cell damage in rats intrastriatally lesioned by quinolinate. Neurotoxicology and Teratology, 2008, 30, 510-519.	2.4	7
54	Kynurenine Monooxygenase Expression and Activity in Human Astrocytomas. Cells, 2021, 10, 2028.	4.1	7

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55	New Immunotherapeutic Approaches for Glioblastoma. Journal of Immunology Research, 2021, 2021, 1-19.	2.2	7
56	Epicatechin treatment generates resilience to chronic mild stress-induced depression in a murine model through a modulatory effect on KAT. Physiology and Behavior, 2021, 238, 113466.	2.1	7
57	Cellular Localization of Kynurenine 3-Monooxygenase in the Brain: Challenging the Dogma. Antioxidants, 2022, 11, 315.	5.1	7
58	Preparation and Characterization of Kynurenic Acid Occluded in Sol-Gel Silica and SBA-15 Silica as Release Reservoirs. Journal of Nanomaterials, 2014, 2014, 1-8.	2.7	6
59	Identification of the NADP+ Structural Binding Site and Coenzyme Effect on the Fused G6PD::6PGL Protein from Giardia lamblia. Biomolecules, 2020, 10, 46.	4.0	6
60	Characterizing the Fused TvG6PD::6PGL Protein from the Protozoan Trichomonas vaginalis, and Effects of the NADP+ Molecule on Enzyme Stability. International Journal of Molecular Sciences, 2020, 21, 4831.	4.1	6
61	Lactate-Loaded Nanoparticles Induce Glioma Cytotoxicity and Increase the Survival of Rats Bearing Malignant Glioma Brain Tumor. Pharmaceutics, 2022, 14, 327.	4.5	6
62	Huntingtonâ€™s disease and mitochondrial alterations: emphasis on experimental models. Journal of Bioenergetics and Biomembranes, 2010, 42, 207-215.	2.3	5
63	Gene Cloning, Recombinant Expression, Characterization, and Molecular Modeling of the Glycolytic Enzyme Triosephosphate Isomerase from Fusarium oxysporum. Microorganisms, 2020, 8, 40.	3.6	5
64	Glucose-6-Phosphate Dehydrogenase::6-Phosphogluconolactonase from the Parasite Giardia lamblia. A Molecular and Biochemical Perspective of a Fused Enzyme. Microorganisms, 2021, 9, 1678.	3.6	5
65	Identification and In Silico Characterization of Novel Helicobacter pylori Glucose-6-Phosphate Dehydrogenase Inhibitors. Molecules, 2021, 26, 4955.	3.8	5
66	Kinetic and Molecular Docking Studies to Determine the Effect of Inhibitors on the Activity and Structure of Fused G6PD::6PGL Protein from Trichomonas vaginalis. Molecules, 2022, 27, 1174.	3.8	5
67	Molecular Cloning and Exploration of the Biochemical and Functional Analysis of Recombinant Glucose-6-Phosphate Dehydrogenase from Gluconoacetobacter diazotrophicus PAL5. International Journal of Molecular Sciences, 2019, 20, 5279.	4.1	4
68	Redox Status and Aging Link in Neurodegenerative Diseases 2015. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-2.	4.0	3
69	Redox Status and Aging Link in Neurodegenerative Diseases. Oxidative Medicine and Cellular Longevity, 2014, 2014, 1-2.	4.0	2
70	Role of Kynurenine Pathway in Aging. , 2015, , 63-74.		2
71	Characterization of Redox Environment and Tryptophan Catabolism through Kynurenine Pathway in Military Diversâ€™ and Swimmersâ€™ Serum Samples. Antioxidants, 2022, 11, 1223.	5.1	2
72	Biochemical and Kinetic Characterization of the Glucose-6-Phosphate Dehydrogenase from Helicobacter pylori Strain 29CaP. Microorganisms, 2022, 10, 1359.	3.6	2

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73	Role of Kynurenine Pathway in Glioblastoma. , 2017, , .		1
74	Moringa oleifera Extracts and Praziquantel Combination: Bioavailability in Rats and Cysticidal Activity in a Murine Model. Revista Brasileira De Farmacognosia, 2020, 30, 251-256.	1.4	1
75	Validation and Selection of New Reference Genes for RT-qPCR Analysis in Pediatric Glioma of Different Grades. Genes, 2021, 12, 1335.	2.4	1
76	Herpesvirus encephalitis diagnosed by polymerase chain reaction at the National Institute of Neurology of Mexico. Journal of NeuroVirology, 2021, 27, 397-402.	2.1	0
77	The Kynurenine Pathway at the Interface Between Neuroinflammation, Oxidative Stress, and Neurochemical Disturbances: Emphasis in Schizophrenia. Oxidative Stress in Applied Basic Research and Clinical Practice, 2015, , 245-268.	0.4	0