Gerardo Barragan Mejia

List of Publications by Year
in descending order

51 papers	1,403 citations	566801 15 h-index	329751 37 g-index
51 all docs	51 docs citations	51 times ranked	2285 citing authors

#	Article	IF	Citations
1	Air pollution, cognitive deficits and brain abnormalities: A pilot study with children and dogs. Brain and Cognition, 2008, 68, 117-127.	0.8	450
2	The Role of Dopamine and Its Dysfunction as a Consequence of Oxidative Stress. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-13.	1.9	179
3	Pediatric Respiratory and Systemic Effects of Chronic Air Pollution Exposure: Nose, Lung, Heart, and Brain Pathology. Toxicologic Pathology, 2007, 35, 154-162.	0.9	140
4	Elevated Plasma Endothelin-1 and Pulmonary Arterial Pressure in Children Exposed to Air Pollution. Environmental Health Perspectives, 2007, 115, 1248-1253.	2.8	139
5	Immunotoxicity and Environment: Immunodysregulation and Systemic Inflammation in Children. Toxicologic Pathology, 2009, 37, 161-169.	0.9	86
6	Assessment of Oxidative Damage Induced by Acute Doses of Morphine Sulfate in Postnatal and Adult Rat Brain. Neurochemical Research, 2006, 31, 549-554.	1.6	60
7	Pyridoxine, regardless of serotonin levels, increases production of 5-hydroxytryptophan in rat brain. Archives of Medical Research, 2004, 35, 271-274.	1.5	46
8	Nasal inflammatory responses in children exposed to a polluted urban atmosphere. Journal of Toxicology and Environmental Health - Part A: Current Issues, 1995, 45, 427-437.	1.1	36
9	Experimental hemolysis model to study bilirubin encephalopathy in rat brain. Journal of Neuroscience Methods, 2008, 168, 35-41.	1.3	24
10	Effect of Nutritional Status and Ozone Exposure on Rat Brain Serotonin. Archives of Medical Research, 2002, 33, 15-19.	1.5	21
11	Effect of testosterone and steroids homologues on indolamines and lipid peroxidation in rat brain. Journal of Steroid Biochemistry and Molecular Biology, 2005, 94, 369-373.	1.2	20
12	Effect of toluene and cresols on Na+,K+-ATPase, and serotonin in rat brain. Regulatory Toxicology and Pharmacology, 2005, 41, 1-5.	1.3	18
13	Oleic Acid Protects Against Oxidative Stress Exacerbated by Cytarabine and Doxorubicin in Rat Brain. Anti-Cancer Agents in Medicinal Chemistry, 2016, 16, 1491-1495.	0.9	17
14	Cerebrolysin and morphine decrease glutathione and 5-hydroxyindole acetic acid levels in fasted rat brain. Biomedicine and Pharmacotherapy, 2009, 63, 517-521.	2.5	16
15	Riboflavin and pyridoxine restore dopamine levels and reduce oxidative stress in brain of rats. BMC Neuroscience, 2018, 19, 71.	0.8	16
16	Consumption of Cooked Common Beans or Saponins Could Reduce the Risk of Diabetic Complications . Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 2020, Volume 13, 3481-3486.	1.1	14
17	Effect of Sibutramine on Na⁺, K⁺ATPase Activity and Tryptophan Levels on Male and Female Rat Brain. Hormone and Metabolic Research, 2009, 41, 363-367.	0.7	10
18	Effect of an antiviral and vitamins A, C, D on dopamine and some oxidative stress markers in rat brain exposed to ozone. Archives of Biological Sciences, 2013, 65, 1371-1379.	0.2	9

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19	Biochemical and histological changes produced by sweeteners and cytarabine in the brain of young rats. Nutricion Hospitalaria, 2018, 35, 194.	0.2	8
20	Effect of Morphine and Lacosamide on Levels of Dopamine and 5-HIAA in Brain Regions of Rats with Induced Hypoglycemia. Pakistan Journal of Biological Sciences, 2014, 17, 292-296.	0.2	8
21	Effect of Nutritional Status and Ozone Exposure on Some Biomarkers of Oxidative Stress in Rat Brain Regions. Nutrition and Cancer, 2006, 55, 195-200.	0.9	7
22	Effect of cerebrolysin on dopaminergic neurodegeneration of rat with oxidative stress induced by 3-nitropropionic acid. Acta Pharmaceutica, 2016, 66, 443-448.	0.9	7
23	Folic acid increases levels of GHS in brain of rats with oxidative stress induced with 3-nitropropionic acid. Archives of Physiology and Biochemistry, 2020, 126, 1-6.	1.0	7
24	Human Nasal Mucosal Changes after Exposure to Urban Pollution. Environmental Health Perspectives, 1994, 102, 1074.	2.8	6
25	Effect of cerebrolysin on the levels of glutathione and 5-HT in different regions of rat brain in presence of dantrolene. Biomedicine and Aging Pathology, 2011, 1, 169-174.	0.8	6
26	Effect of prostaglandin E1 (PGE1) and sildenafil on serotonin metabolism and some oxidative damage markers in rat prostate gland and brain. Andrologia, 2011, 43, 266-272.	1.0	6
27	Effects of two new steroids and cyproterone on some biomarkers of oxidative stress and serotonergic system on rat prostate and brain. Andrologia, 2009, 41, 29-34.	1.0	5
28	Oseltamivir and indomethacin reduce the oxidative stress in brain and stomach of infected rats. Apmis, 2018, 126, 128-134.	0.9	5
29	Effect of oseltamivir on catecholamines and select oxidative stress markers in the presence of oligoelements in the rat brain. Archives of Pharmacal Research, 2010, 33, 1671-1677.	2.7	4
30	Effect of Sibutramine on 5â€Hydroxyindole Acetic Acid Levels and Selected Oxidative Biomarkers on Brain Regions of Female Rats in the Presence of Zinc. Basic and Clinical Pharmacology and Toxicology, 2012, 110, 421-426.	1.2	4
31	El Pirofosfato de Tiamina Reduce el DaÃ±o Celular Inducido por Hipoxia en el Cerebro de Ratas Neonatas. International Journal of Morphology, 2014, 32, 531-536.	0.1	4
32	The administration of food supplemented with cocoa powder during nutritional recovery reduces damage caused by oxidative stress in rat brain. Naunyn-Schmiedeberg's Archives of Pharmacology, 2011, 384, 499-504.	1.4	3
33	Effect of two Antiandrogens as Protectors of Prostate and Brain in a HuntingtonÂ´s Animal Model. Anti-Cancer Agents in Medicinal Chemistry, 2014, 14, 1293-1301.	0.9	3
34	Natural Steroids and Androgen Antagonists used as Neuroprotection in Common Neurological Disorders. CNS and Neurological Disorders - Drug Targets, 2017, 16, 763-771.	0.8	3
35	Antioxidant Effects of Selenium in Rat Brain and the Stimulating Role of Nitric Oxide. Nutritional Neuroscience, 2003, 6, 177-182.	1.5	2
36	Effect of flutamide and two novel synthetic steroids on GABA, glutamine and some oxidative stress markers in rat brain and prostate. Andrologia, 2011, 43, 225-232.	1.0	2

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37	Insulin plus zinc induces a favorable biochemical response effects on oxidative damage and dopamine levels in rat brain. International Journal of Biological Macromolecules, 2019, 132, 230-235.	3.6	2
38	Assessment of mexican arnica (Heterotheca inuloides Cass) and rosemary (Rosmarinus officinalis) extracts on dopamine and selected biomarkers of oxidative stress in stomach and brain of Salmonella typhimurium infected rats. Pharmacognosy Magazine, 2017, 13, 203.	0.3	2
39	Effect of Nicotine on ATPase, Catalase and Calcium Levels in the Presence of Oligoelements in Brain Regions of Young Rats. Cardiovascular & Hematological Disorders Drug Targets, 2012, 12, 63-67.	0.2	1
40	Trace elements cause oxidative damage in the brain of rats with induced hypotension. Autonomic Neuroscience: Basic and Clinical, 2017, 208, 113-116.	1.4	1
41	Î²-Cyclodextrin and oleic acid increase levels of dopamine and potentiates oxidative damage in young and adult rat brain. Lipids in Health and Disease, 2018, 17, 172.	1.2	1
42	Oxidative Stress and Opioids' Toxicity: An Update. Mini-Reviews in Organic Chemistry, 2013, 10, 360-366.	0.6	1
43	Assessment of a Synthetic Steroid and Flutamide on Dopamine, GSH and H₂O₂ Levels in Rat Brain in Presence of Fructose. Endocrine, Metabolic and Immune Disorders - Drug Targets, 2014, 14, 126-133.	0.6	1
44	Cytarabine and Ferric Carboxymaltose (Fe+3) Increase Oxidative Damage and Alter Serotonergic Metabolism in Brain. CNS and Neurological Disorders - Drug Targets, 2019, 18, 149-155.	0.8	1
45	Sildenafil alters biogenic amines and increases oxidative damage in brain regions of insulin-hypoglycemic rats. Acta Pharmaceutica, 2020, 70, 121-127.	0.9	1
46	Effect of Pentylenetetrazole and Carbodiimide on Oxidation Stress Markers in Rat Brain. Basic and Clinical Pharmacology and Toxicology, 2005, 96, 512-513.	1.2	1
47	Effect of oseltamivir and oligoelements on the levels of 5-hiaa and calcium in brain of young rats. Biomedicine and Aging Pathology, 2011, 1, 193-195.	0.8	0
48	Oseltamivir induces favorable response on oxidative damage in the brain of rats treated with Bezafibrate. International Journal of Neuroscience, 2020, , 1-8.	0.8	0
49	Sucrose Combined with L-carnitine or Desvenlafaxine does not Increase Hyperglycemia. Inhibition of Oxidative Stress may be Involved in this Effect. International Journal of Pharmacology, 2013, 9, 204-210.	0.1	0
50	Pyridoxine and Zanamivir Alter Levels of Dopamine in Brain of Rats with Induced Hyperglycemia by Inhibition of Oxidative Stress. International Journal of Pharmacology, 2016, 12, 161-168.	0.1	0
51	Neuropsychological Alterations in Patients with Congenital Hypothyroidism Treated with Levothyroxine: Linked Factors and Thyroid Hormone Hyposensitivity. Journal of Clinical Medicine, 2022, 11, 3427.	1.0	0