MarÃ-a Eugenia Gonsebatt

List of Publications by Year
in descending order

42 papers	2,315 citations	331670 21 h-index	302126 39 g-index
42 all docs	42 docs citations	42 times ranked	3610 citing authors

#	Article	IF	Citations
1	The role of antioxidants and antioxidant-related enzymes in protective responses to environmentally induced oxidative stress. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2009, 674, 137-147.	1.7	613
2	Tetraploidy and chromosomal instability are early events during cervical carcinogenesis. Carcinogenesis, 2006, 27, 337-343.	2.8	211
3	Neurotoxicity Linked to Dysfunctional Metal Ion Homeostasis and Xenobiotic Metal Exposure: Redox Signaling and Oxidative Stress. Antioxidants and Redox Signaling, 2018, 28, 1669-1703.	5.4	142
4	Aneugenic effect of sodium arsenite on human lymphocytes in vitro: an individual susceptibility effect detected. Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology, 1995, 334, 365-373.	0.4	103
5	Mammalian Target of Rapamycin: Its Role in Early Neural Development and in Adult and Aged Brain Function. Frontiers in Cellular Neuroscience, 2016, 10, 157.	3.7	97
6	Arsenic-induced neurotoxicity: a mechanistic appraisal. Journal of Biological Inorganic Chemistry, 2019, 24, 1305-1316.	2.6	94
7	Arsenic species, AS3MT amount, and AS3MT gen expression in different brain regions of mouse exposed to arsenite. Environmental Research, 2010, 110, 428-434.	7.5	91
8	Mitotic index and cell proliferation kinetics for identification of antineoplastic activity. Anti-Cancer Drugs, 1993, 4, 637-640.	1.4	90
9	Neurological effects of inorganic arsenic exposure: altered cysteine/glutamate transport, NMDA expression and spatial memory impairment. Frontiers in Cellular Neuroscience, 2015, 9, 21.	3.7	82
10	Glutathione depletion activates mitogen-activated protein kinase (MAPK) pathways that display organ-specific responses and brain protection in mice. Free Radical Biology and Medicine, 2007, 43, 1335-1347.	2.9	72
11	Altered Urinary Porphyrin Excretion in a Human Po p ulation Chronically Exposed to Arsenic in Mexico. Human and Experimental Toxicology, 1994, 13, 839-847.	2.2	67
12	Thioredoxin System Regulation in the Central Nervous System: Experimental Models and Clinical Evidence. Oxidative Medicine and Cellular Longevity, 2014, 2014, 1-13.	4.0	60
13	Arsenic and lead contamination in urban soils of Villa de la Paz (Mexico) affected by historical mine wastes and its effect on childrenâ€™s health studied by micronucleated exfoliated cells assay. Environmental Geochemistry and Health, 2013, 35, 37-51.	3.4	54
14	Positive correlation between the frequency of micronucleated cells and dysplasia in Papanicolaou smears. Environmental and Molecular Mutagenesis, 2003, 41, 339-343.	2.2	47
15	Genotoxic effects of metronidazole. Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure, 1996, 370, 75-80.	1.2	46
16	The role of amino acid transporters in GSH synthesis in the bloodâ€“brain barrier and central nervous system. Neurochemistry International, 2012, 61, 405-414.	3.8	46
17	The Glutathione System and its Regulation by Neurohormone Melatonin in the Central Nervous System. Central Nervous System Agents in Medicinal Chemistry, 2010, 10, 287-297.	1.1	44
18	Potential Co-exposure to Arsenic and Fluoride and Biomonitoring Equivalents for Mexican Children. Annals of Global Health, 2018, 84, 257-273.	2.0	38

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19	Gestational exposure to inorganic arsenic (iAs3+) alters glutamate disposition in the mouse hippocampus and ionotropic glutamate receptor expression leading to memory impairment. Archives of Toxicology, 2018, 92, 1037-1048.	4.2	34
20	Induction of c-Jun by air particulate matter (PM10) of Mexico city: Participation of polycyclic aromatic hydrocarbons. Environmental Pollution, 2015, 203, 175-182.	7.5	27
21	Antineoplastic effect of iodine and iodide in dimethylbenz[a]anthracene-induced mammary tumors: association between lactoperoxidase and estrogen-adduct production. Endocrine-Related Cancer, 2011, 18, 529-539.	3.1	26
22	Nerve growth factor exhibits an antioxidant and an autocrine activity in mouse liver that is modulated by buthionine sulfoximine, arsenic, and acetaminophen. Free Radical Research, 2013, 47, 404-412.	3.3	20
23	Effects of progesterone and estradiol on the proliferation of phytohemagglutinin-stimulated human lymphocytes. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1992, 270, 211-218.	1.0	19
24	Crayfish Procambarus clarkii shows Circadian Variations in Different Parameters of the GSH CycleÂ¶. Photochemistry and Photobiology, 2001, 74, 350.	2.5	19
25	Changes in Hemolymph Glutathione Status After Variation in Photoperiod and Light-irradiance in Crayfish Procambarus clarkii and Procambarus digueti. Photochemistry and Photobiology, 2000, 71, 487.	2.5	17
26	Arsenite induces aquaglyceroporin 9 expression in murine livers. Environmental Research, 2010, 110, 443-447.	7.5	17
27	The GSTM1null (deletion) and MGMT84 rs12917 (Phe/Phe) haplotype are associated with bulky DNA adduct levels in human leukocytes. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2013, 758, 62-68.	1.7	16
28	Early Neurotoxic Effects of Inorganic Arsenic Modulate Cortical GSH Levels Associated With the Activation of the Nrf2 and NFÎºB Pathways, Expression of Amino Acid Transporters and NMDA Receptors and the Production of Hydrogen Sulfide. Frontiers in Cellular Neuroscience, 2020, 14, 17.	3.7	16
29	Kinetics and Characterization of Cellular Responses in the Peritoneal Cavity of Mice Infected withTaenia crassiceps. Journal of Parasitology, 2001, 87, 591-599.	0.7	15
30	Particulate matterâ€associated micronuclei frequencies in maternal and cord blood lymphocytes. Environmental and Molecular Mutagenesis, 2019, 60, 421-427.	2.2	15
31	Systemic L-Buthionine -S-R-Sulfoximine Treatment Increases Plasma NGF and Upregulates L-cys/L-cys2 Transporter and Î³-Glutamylcysteine Ligase mRNAs Through the NGF/TrkA/Akt/Nrf2 Pathway in the Striatum. Frontiers in Cellular Neuroscience, 2019, 13, 325.	3.7	14
32	Systemic L-buthionine-S-R-sulfoximine administration modulates glutathione homeostasis via NGF/TrkA and mTOR signaling in the cerebellum. Neurochemistry International, 2018, 121, 8-18.	3.8	10
33	Prenatal exposure to particulate matter and ozone: Bulky DNA adducts, plasma isoprostanes, allele risk variants, and neonate susceptibility in the Mexico City Metropolitan Area. Environmental and Molecular Mutagenesis, 2019, 60, 428-442.	2.2	10
34	Extinction of aversive taste memory homeostatically prevents the maintenance of in vivo insular cortex LTP: Calcineurin participation. Neurobiology of Learning and Memory, 2018, 154, 54-61.	1.9	9
35	Xenobiotic transport and metabolism in the human brain. NeuroToxicology, 2021, 86, 125-138.	3.0	9
36	Evaluation of the carcinogenic and genotoxic potential of praziquantel in the Syrian hamster embryo cell transformation assay. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1994, 305, 175-180.	1.0	8

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37	Frequency and types of induced and spontaneous chromosome aberrations in relation to cell kinetics. Human Genetics, 1981, 59, 137-140.	3.8	7
38	Human lymphocyte proliferation kinetics in Hanks' BSS supplemented with autologous plasma and in synthetic medium. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1990, 243, 255-258.	1.1	5
39	Preclinical evidences of safety of a new synthetic adjuvant to formulate with the influenza human vaccine: absence of subchronic toxicity and mutagenicity. Immunopharmacology and Immunotoxicology, 2019, 41, 140-149.	2.4	5
40	Prenatal Particulate Matter (PM) Exposure and Natriuretic Peptides in Newborns from Mexico City. International Journal of Environmental Research and Public Health, 2021, 18, 6546.	2.6	0
41	Evidence of small ferrimagnetic concentrations in mice (Mus musculus) livers and kidneys exposed to the urban dust : A reconnaissance study. Geofisica International, 2018, 57, .	0.2	0
42	Nucleotide Excision Repair Pathway Activity Is Inhibited by Airborne Particulate Matter (PM10) through XPA Deregulation in Lung Epithelial Cells. International Journal of Molecular Sciences, 2022, 23, 2224.	4.1	0