

# J Gasparotto

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

1,489  
citations

304368

22  
h-index

360668

35  
g-index

58  
all docs

58  
docs citations

58  
times ranked

2534  
citing authors

#	ARTICLE	IF	CITATIONS
1	A new animal diet based on human Western diet is a robust diet-induced obesity model: comparison to high-fat and cafeteria diets in term of metabolic and gut microbiota disruption. <i>International Journal of Obesity</i> , 2018, 42, 525-534.	1.6	148
2	Receptor for advanced glycation end products mediates sepsis-triggered amyloid- $\beta^2$ accumulation, Tau phosphorylation, and cognitive impairment. <i>Journal of Biological Chemistry</i> , 2018, 293, 226-244.	1.6	94
3	Extracellular HSP70 Activates ERK1/2, NF- $\kappa$ B and Pro-Inflammatory Gene Transcription Through Binding with RAGE in A549 Human Lung Cancer Cells. <i>Cellular Physiology and Biochemistry</i> , 2017, 42, 2507-2522.	1.1	72
4	A review on the environmental impact of phosphogypsum and potential health impacts through the release of nanoparticles. <i>Chemosphere</i> , 2022, 286, 131513.	4.2	70
5	Obese rats are more vulnerable to inflammation, genotoxicity and oxidative stress induced by coal dust inhalation than non-obese rats. <i>Ecotoxicology and Environmental Safety</i> , 2018, 165, 44-51.	2.9	65
6	Coal as an energy source and its impacts on human health. <i>Energy Geoscience</i> , 2021, 2, 113-120.	1.3	57
7	Vitamin A (retinol) downregulates the receptor for advanced glycation endproducts (RAGE) by oxidant-dependent activation of p38 MAPK and NF- $\kappa$ B in human lung cancer A549 cells. <i>Cellular Signalling</i> , 2013, 25, 939-954.	1.7	46
8	Schistosoma mansoni infection causes oxidative stress and alters receptor for advanced glycation endproduct (RAGE) and tau levels in multiple organs in mice. <i>International Journal for Parasitology</i> , 2013, 43, 371-379.	1.3	44
9	Nanoparticles in fossil and mineral fuel sectors and their impact on environment and human health: A review and perspective. <i>Gondwana Research</i> , 2021, 92, 184-201.	3.0	44
10	Passiflora manicata (Juss.) aqueous leaf extract protects against reactive oxygen species and protein glycation in vitro and ex vivo models. <i>Food and Chemical Toxicology</i> , 2013, 60, 45-51.	1.8	43
11	Targeted inhibition of RAGE in substantia nigra of rats blocks 6-OHDA-induced dopaminergic denervation. <i>Scientific Reports</i> , 2017, 7, 8795.	1.6	40
12	Obesity associated with coal ash inhalation triggers systemic inflammation and oxidative damage in the hippocampus of rats. <i>Food and Chemical Toxicology</i> , 2019, 133, 110766.	1.8	38
13	Shikimic acid inhibits LPS-induced cellular pro-inflammatory cytokines and attenuates mechanical hyperalgesia in mice. <i>International Immunopharmacology</i> , 2016, 39, 97-105.	1.7	36
14	Anti-RAGE antibody selectively blocks acute systemic inflammatory responses to LPS in serum, liver, CSF and striatum. <i>Brain, Behavior, and Immunity</i> , 2017, 62, 124-136.	2.0	34
15	Sulfite disrupts brain mitochondrial energy homeostasis and induces mitochondrial permeability transition pore opening via thiol group modification. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 1413-1422.	1.8	31
16	In Vitro Neuroprotective Effect of Shikimic Acid Against Hydrogen Peroxide-Induced Oxidative Stress. <i>Journal of Molecular Neuroscience</i> , 2015, 56, 956-965.	1.1	31
17	Short and long TNF- $\alpha$ exposure recapitulates canonical astrogliosis events in human-induced pluripotent stem cells-derived astrocytes. <i>Glia</i> , 2020, 68, 1396-1409.	2.5	30
18	Oral administration of curcumin relieves behavioral alterations and oxidative stress in the frontal cortex, hippocampus, and striatum of ovariectomized Wistar rats. <i>Journal of Nutritional Biochemistry</i> , 2016, 32, 181-188.	1.9	29

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19	Vitamin A Oral Supplementation Induces Oxidative Stress and Suppresses IL-10 and HSP70 in Skeletal Muscle of Trained Rats. <i>Nutrients</i> , 2017, 9, 353.	1.7	29
20	Aminochrome decreases NGF, GDNF and induces neuroinflammation in organotypic midbrain slice cultures. <i>NeuroToxicology</i> , 2018, 66, 98-106.	1.4	27
21	Characterization and modulation of microglial phenotypes in an animal model of severe sepsis. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 88-97.	1.6	27
22	The oxidation of HSP70 is associated with functional impairment and lack of stimulatory capacity. <i>Cell Stress and Chaperones</i> , 2014, 19, 913-925.	1.2	26
23	Changes in Cell Cycle and Up-Regulation of Neuronal Markers During SH-SY5Y Neurodifferentiation by Retinoic Acid are Mediated by Reactive Species Production and Oxidative Stress. <i>Molecular Neurobiology</i> , 2017, 54, 6903-6916.	1.9	26
24	Mitochondrial bioenergetics deregulation caused by long-chain 3-hydroxy fatty acids accumulating in LCHAD and MTP deficiencies in rat brain: A possible role of mPTP opening as a pathomechanism in these disorders?. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 1658-1667.	1.8	22
25	Redox homeostasis is compromised in vivo by the metabolites accumulating in 3-hydroxy-3-methylglutaryl-CoA lyase deficiency in rat cerebral cortex and liver. <i>Free Radical Research</i> , 2013, 47, 1066-1075.	1.5	21
26	Choline and Cystine Deficient Diets in Animal Models with Hepatocellular Injury: Evaluation of Oxidative Stress and Expression of RAGE, TNF- $\alpha$ , and IL-1 $\beta$ . <i>Oxidative Medicine and Cellular Longevity</i> , 2015, 2015, 1-11.	1.9	21
27	NRF2 Mediates Neuroblastoma Proliferation and Resistance to Retinoic Acid Cytotoxicity in a Model of In Vitro Neuronal Differentiation. <i>Molecular Neurobiology</i> , 2016, 53, 6124-6135.	1.9	21
28	Systemic Inflammation Changes the Site of RAGE Expression from Endothelial Cells to Neurons in Different Brain Areas. <i>Molecular Neurobiology</i> , 2019, 56, 3079-3089.	1.9	21
29	High fat diet-induced obesity causes a reduction in brain tyrosine hydroxylase levels and non-motor features in rats through metabolic dysfunction, neuroinflammation and oxidative stress. <i>Nutritional Neuroscience</i> , 2022, 25, 1026-1040.	1.5	21
30	Coal and tire burning mixtures containing ultrafine and nanoparticulate materials induce oxidative stress and inflammatory activation in macrophages. <i>Science of the Total Environment</i> , 2013, 463-464, 743-753.	3.9	19
31	Preventive supplementation with fresh and preserved peach attenuates CCl <sub>4</sub> -induced oxidative stress, inflammation and tissue damage. <i>Journal of Nutritional Biochemistry</i> , 2014, 25, 1282-1295.	1.9	17
32	Convergent pathways of the gut microbiota-brain axis and neurodegenerative disorders. <i>Gastroenterology Report</i> , 2022, 10, goac017.	0.6	16
33	Effects of Freeze-Thaw and Storage on Enzymatic Activities, Protein Oxidative Damage, and Immunocontent of the Blood, Liver, and Brain of Rats. <i>Biopreservation and Biobanking</i> , 2017, 15, 182-190.	0.5	15
34	Effects of different products of peach ( <i>Prunus persica</i> L. Batsch) from a variety developed in southern Brazil on oxidative stress and inflammatory parameters in vitro and ex vivo. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2014, 55, 110-119.	0.6	14
35	Increased tau phosphorylation and receptor for advanced glycation endproducts (RAGE) in the brain of mice infected with <i>Leishmania amazonensis</i> . <i>Brain, Behavior, and Immunity</i> , 2015, 43, 37-45.	2.0	14
36	Hecogenin Acetate Inhibits Reactive Oxygen Species Production and Induces Cell Cycle Arrest and Senescence in the A549 Human Lung Cancer Cell Line. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2014, 14, 1128-1135.	0.9	14

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37	Effect of N-salicyloyltryptamine (STP), a novel tryptamine analogue, on parameters of cell viability, oxidative stress, and immunomodulation in RAW 264.7 macrophages. <i>Cell Biology and Toxicology</i> , 2013, 29, 175-187.	2.4	13
38	Supplementation with vitamin A enhances oxidative stress in the lungs of rats submitted to aerobic exercise. <i>Applied Physiology, Nutrition and Metabolism</i> , 2015, 40, 1253-1261.	0.9	13
39	Oral administration of carvacrol/ $\beta$ -cyclodextrin complex protects against 6-hydroxydopamine-induced dopaminergic denervation. <i>Neurochemistry International</i> , 2019, 126, 27-35.	1.9	13
40	Guarana supplementation attenuated obesity, insulin resistance, and adipokines dysregulation induced by a standardized human Western diet via brown adipose tissue activation. <i>Phytotherapy Research</i> , 2019, 33, 1394-1403.	2.8	13
41	Curcumin Supplementation Decreases Intestinal Adiposity Accumulation, Serum Cholesterol Alterations, and Oxidative Stress in Ovariectomized Rats. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-12.	1.9	12
42	The effects of retinol oral supplementation in 6-hydroxydopamine dopaminergic denervation model in Wistar rats. <i>Neurochemistry International</i> , 2019, 125, 25-34.	1.9	11
43	Retinol (Vitamin A) Increases $\alpha$ -Synuclein, $\beta$ -Amyloid Peptide, Tau Phosphorylation and RAGE Content in Human SH-SY5Y Neuronal Cell Line. <i>Neurochemical Research</i> , 2017, 42, 2788-2797.	1.6	10
44	Role of vitamin A oral supplementation on oxidative stress and inflammatory response in the liver of trained rats. <i>Applied Physiology, Nutrition and Metabolism</i> , 2017, 42, 1192-1200.	0.9	10
45	Glycine Administration Alters MAPK Signaling Pathways and Causes Neuronal Damage in Rat Brain: Putative Mechanisms Involved in the Neurological Dysfunction in Nonketotic Hyperglycinemia. <i>Molecular Neurobiology</i> , 2018, 55, 741-750.	1.9	10
46	L-NAME co-treatment prevent oxidative damage in the lung of adult Wistar rats treated with vitamin A supplementation. <i>Cell Biochemistry and Function</i> , 2012, 30, 256-263.	1.4	9
47	N-acetyl-cysteine inhibits liver oxidative stress markers in BALB/c mice infected with <i>Leishmania amazonensis</i> . <i>Memorias Do Instituto Oswaldo Cruz</i> , 2017, 112, 146-154.	0.8	9
48	Toxicological effects of mining hazard elements. <i>Energy Geoscience</i> , 2022, 3, 255-262.	1.3	8
49	Retinoic acid downregulates thiol antioxidant defences and homologous recombination while promotes A549 cells sensitization to cisplatin. <i>Cellular Signalling</i> , 2019, 62, 109356.	1.7	7
50	Intranasal HSP70 administration protects against dopaminergic denervation and modulates neuroinflammatory response in the 6-OHDA rat model. <i>Brain, Behavior, &amp; Immunity - Health</i> , 2021, 14, 100253.	1.3	7
51	Immune neutralization of the receptor for advanced glycation end products reduce liver oxidative damage induced by an acute systemic injection of lipopolysaccharide. <i>Journal of Biochemistry</i> , 2018, 163, 515-523.	0.9	4
52	Anti-NMDA Receptor Autoantibody Is an Independent Predictor of Hospital Mortality but Not Brain Dysfunction in Septic Patients. <i>Frontiers in Neurology</i> , 2019, 10, 221.	1.1	4
53	Neurological impairment caused by <i>Schistosoma mansoni</i> systemic infection exhibits early features of idiopathic neurodegenerative disease. <i>Journal of Biological Chemistry</i> , 2021, 297, 100979.	1.6	4
54	Role of toll-like receptor 4 and sex in 6-hydroxydopamine-induced behavioral impairments and neurodegeneration in mice. <i>Neurochemistry International</i> , 2021, 151, 105215.	1.9	4

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55	BRCA-1 depletion impairs pro-inflammatory polarization and activation of RAW 264.7 macrophages in a NF- $\kappa$ B-dependent mechanism. <i>Molecular and Cellular Biochemistry</i> , 2019, 462, 11-23.	1.4	3
56	Hypoxia-Inducible Factor-1 $\alpha$ (HIF-1 $\alpha$ ) Inhibition Impairs Retinoic Acid-Induced Differentiation in SH-SY5Y Neuroblastoma Cells, Leading to Reduced Neurite Length and Diminished Gene Expression Related to Cell Differentiation. <i>Neurochemical Research</i> , 2022, 47, 409-421.	1.6	2
57	Probiotics and the gut-brain axis. , 2022, , 451-466.		0