

Rosita Gabbianelli

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

113
papers

2,188
citations

27
h-index

40
g-index

122
ext. papers

2,555
ext. citations

4.4
avg, IF

5.14
L-index

#	Paper	IF	Citations
113	Dopaminergic system modulation, behavioral changes, and oxidative stress after neonatal administration of pyrethroids. <i>Toxicology</i> , 2007 , 229, 194-205	4.4	133
112	Different effects of Type I and Type II pyrethroids on erythrocyte plasma membrane properties and enzymatic activity in rats. <i>Toxicology</i> , 2003 , 191, 233-44	4.4	112
111	Lymphocyte DNA damage in rats exposed to pyrethroids: effect of supplementation with Vitamins E and C. <i>Toxicology</i> , 2004 , 203, 17-26	4.4	77
110	Antioxidative and gastroprotective activities of anti-inflammatory formulations derived from chestnut honey in rats. <i>Nutrition Research</i> , 2006 , 26, 130-137	4	61
109	Cypermethrin-induced plasma membrane perturbation on erythrocytes from rats: reduction of fluidity in the hydrophobic core and in glutathione peroxidase activity. <i>Toxicology</i> , 2002 , 175, 91-101	4.4	60
108	Effects of early life permethrin exposure on spatial working memory and on monoamine levels in different brain areas of pre-senescent rats. <i>Toxicology</i> , 2013 , 303, 162-8	4.4	59
107	DNA damage induced by copper on erythrocytes of gilthead sea bream <i>Sparus aurata</i> and mollusk <i>Scapharca inaequivalvis</i> . <i>Archives of Environmental Contamination and Toxicology</i> , 2003 , 45, 350-6	3.2	57
106	The impact of early life permethrin exposure on development of neurodegeneration in adulthood. <i>Experimental Gerontology</i> , 2012 , 47, 60-6	4.5	51
105	Antioxidant and Anti-Inflammatory Properties of Oil in Human Pre-Adipocytes. <i>Antioxidants</i> , 2019 , 8,	7.1	49
104	Codrugs linking L-dopa and sulfur-containing antioxidants: new pharmacological tools against Parkinson's disease. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 559-63	8.3	46
103	Changes on fecal microbiota in rats exposed to permethrin during postnatal development. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 10930-10937	5.1	44
102	Early life permethrin insecticide treatment leads to heart damage in adult rats. <i>Experimental Gerontology</i> , 2011 , 46, 731-8	4.5	43
101	Effect of permethrin plus antioxidants on locomotor activity and striatum in adolescent rats. <i>Toxicology</i> , 2008 , 251, 45-50	4.4	42
100	A salting out system for improving the efficiency of the headspace solid-phase microextraction of short and medium chain free fatty acids. <i>Journal of Chromatography A</i> , 2015 , 1409, 282-7	4.5	41
99	Early life permethrin exposure induces long-term brain changes in Nurr1, NF-kB and Nrf-2. <i>Brain Research</i> , 2013 , 1515, 19-28	3.7	40
98	Neonatal exposure to permethrin pesticide causes lifelong fear and spatial learning deficits and alters hippocampal morphology of synapses. <i>Journal of Neurodevelopmental Disorders</i> , 2014 , 6, 7	4.6	38
97	Epigenetics and neurodegeneration: role of early-life nutrition. <i>Journal of Nutritional Biochemistry</i> , 2018 , 57, 1-13	6.3	37

96	Primers on nutrigenetics and nutri(epi)genomics: Origins and development of precision nutrition. <i>Biochimie</i> , 2019 , 160, 156-171	4.6	36
95	The primary role of glutathione against nuclear DNA damage of striatum induced by permethrin in rats. <i>Neuroscience</i> , 2010 , 168, 2-10	3.9	35
94	Antioxidant activities of different hemoglobin derivatives. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 242, 560-4	3.4	35
93	Effect of permethrin insecticide on rat polymorphonuclear neutrophils. <i>Chemico-Biological Interactions</i> , 2009 , 182, 245-52	5	34
92	Intergenerational Effect of Early Life Exposure to Permethrin: Changes in Global DNA Methylation and in Gene Expression. <i>Toxics</i> , 2015 , 3, 451-461	4.7	33
91	Permethrin induces lymphocyte DNA lesions at both Endo III and Fpg sites and changes in monocyte respiratory burst in rats. <i>Journal of Applied Toxicology</i> , 2009 , 29, 317-22	4.1	32
90	Interaction of tributyltin(IV) chloride and a related complex [Bu(3)Sn(LSM)] with rat leukocytes and erythrocytes: Effect on DNA and on plasma membrane. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2008 , 653, 57-62	3	31
89	Purine bases oxidation and repair following permethrin insecticide treatment in rat heart cells. <i>Cardiovascular Toxicology</i> , 2010 , 10, 199-207	3.4	29
88	Early life permethrin treatment leads to long-term cardiotoxicity. <i>Chemosphere</i> , 2013 , 93, 1029-34	8.4	28
87	Leukocyte Nurr1 as peripheral biomarker of early-life environmental exposure to permethrin insecticide. <i>Biomarkers</i> , 2012 , 17, 604-9	2.6	28
86	Glucose as a Major Antioxidant: When, What for and Why It Fails?. <i>Antioxidants</i> , 2020 , 9,	7.1	27
85	Early life exposure to permethrin: a progressive animal model of Parkinson's disease. <i>Journal of Pharmacological and Toxicological Methods</i> , 2017 , 83, 80-86	1.7	27
84	In vivo and in silico studies to identify mechanisms associated with Nurr1 modulation following early life exposure to permethrin in rats. <i>Neuroscience</i> , 2017 , 340, 411-423	3.9	27
83	Pyrethroid Pesticide Metabolite in Urine and Microelements in Hair of Children Affected by Autism Spectrum Disorders: A Preliminary Investigation. <i>International Journal of Environmental Research and Public Health</i> , 2016 , 13, 388	4.6	27
82	Chemical and sensory differences between high price and low price extra virgin olive oils. <i>Food Research International</i> , 2018 , 105, 65-75	7	25
81	A Pilot Study on the Effects of L-Carnitine and Trimethylamine-N-Oxide on Platelet Mitochondrial DNA Methylation and CVD Biomarkers in Aged Women. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	24
80	Plasma Membrane Perturbation Induced by Organotin on Erythrocytes from <i>Salmo irideus</i> Trout. <i>Applied Organometallic Chemistry</i> , 1996 , 10, 451-457	3.1	24
79	Obesity-related genetic polymorphisms and adiposity indices in a young Italian population. <i>IUBMB Life</i> , 2017 , 69, 98-105	4.7	22

78	Anti-Inflammatory, Anti-Arthritic and Anti-Nociceptive Activities of Oil in a Rat Model of Arthritis. <i>Antioxidants</i> , 2019 , 8,	7.1	21
77	A quantitative headspace-solid-phase microextraction-gas chromatography-flame ionization detector method to analyze short chain free fatty acids in rat feces. <i>Analytical Biochemistry</i> , 2016 , 508, 12-4	3.1	21
76	Perturbation of rat heart plasma membrane fluidity due to metabolites of permethrin insecticide. <i>Cardiovascular Toxicology</i> , 2011 , 11, 226-34	3.4	20
75	Hemoglobin system of <i>Sparus aurata</i> : changes in fishes farmed under extreme conditions. <i>Science of the Total Environment</i> , 2008 , 403, 148-53	10.2	19
74	Early impairment of epigenetic pattern in neurodegeneration: Additional mechanisms behind pyrethroid toxicity. <i>Experimental Gerontology</i> , 2019 , 124, 110629	4.5	18
73	Effect of aromatic nitroxides on hemolysis of human erythrocytes entrapped with isolated hemoglobin chains. <i>Free Radical Biology and Medicine</i> , 1997 , 23, 278-84	7.8	18
72	Correlation between functional and structural changes of reduced and oxidized trout hemoglobins I and IV at different pHs. A circular dichroism study. <i>FEBS Journal</i> , 2004 , 271, 1971-9		17
71	Obesity and Cardiometabolic Risk Factors: From Childhood to Adulthood. <i>Nutrients</i> , 2021 , 13,	6.7	17
70	Permethrin and its metabolites affect Cu/Zn superoxide conformation: fluorescence and in silico evidences. <i>Molecular BioSystems</i> , 2015 , 11, 208-17		16
69	Protective effect of ethyl pyruvate on msP rat leukocytes damaged by alcohol intake. <i>Journal of Applied Toxicology</i> , 2007 , 27, 561-70	4.1	16
68	Early life permethrin exposure leads to hypervitaminosis D, nitric oxide and catecholamines impairment. <i>Pesticide Biochemistry and Physiology</i> , 2013 , 107, 93-7	4.9	15
67	Lead-induced changes in human erythrocytes and lymphocytes. <i>Journal of Applied Toxicology</i> , 2005 , 25, 109-14	4.1	15
66	Hemoglobin components from trout (<i>Salmo irideus</i>): determination of their peroxidative activity. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2001 , 130, 559-64	2.3	15
65	Seasonal variations of physical and biochemical membrane properties in trout erythrocytes (<i>Salmo irideus</i>). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1996 , 114, 275-279	3.7	15
64	Mitochondrial DNA and Neurodegeneration: Any Role for Dietary Antioxidants?. <i>Antioxidants</i> , 2020 , 9,	7.1	15
63	Mitochondrial DNA methylation and copy number predict body composition in a young female population. <i>Journal of Translational Medicine</i> , 2019 , 17, 399	8.5	15
62	Effect of different organotin on DNA of mollusk (<i>Scapharca inaequalvis</i>) erythrocytes assessed by the comet assay. <i>Science of the Total Environment</i> , 2006 , 367, 163-9	10.2	14
61	Pyruvate but not lactate prevents NADH-induced myoglobin oxidation. <i>Free Radical Biology and Medicine</i> , 2005 , 38, 1484-90	7.8	14

60	Permethrin pesticide induces NURR1 up-regulation in dopaminergic cell line: Is the pro-oxidant effect involved in toxicant-neuronal damage?. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2017 , 201, 51-57	3.2	13
59	Oxidative damage in rat erythrocyte membranes following ethanol intake: effect of ethyl pyruvate. <i>Chemico-Biological Interactions</i> , 2007 , 169, 122-31	5	13
58	Effect of different organotin compounds on DNA of gilthead sea bream (<i>Sparus aurata</i>) erythrocytes assessed by the comet assay. <i>Applied Organometallic Chemistry</i> , 2002 , 16, 163-168	3.1	13
57	Prolonged swimming promotes cellular oxidative stress and p66Shc phosphorylation, but does not induce oxidative stress in mitochondria in the rat heart. <i>Free Radical Research</i> , 2015 , 49, 7-16	4	12
56	Proteomic analysis for early neurodegenerative biomarker detection in an animal model. <i>Biochimie</i> , 2016 , 121, 79-86	4.6	12
55	Photoinduced degradation by iron(III): removal of triphenyltin chloride from water. <i>Applied Organometallic Chemistry</i> , 2002 , 16, 27-33	3.1	12
54	Epigenetic Memory of Early-Life Parental Perturbation: Dopamine Decrease and DNA Methylation Changes in Offspring. <i>Oxidative Medicine and Cellular Longevity</i> , 2019 , 2019, 1472623	6.7	11
53	The possible ameliorative effect of <i>Olea europaea</i> L. oil against deltamethrin-induced oxidative stress and alterations of serum concentrations of thyroid and reproductive hormones in adult female rats. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 161, 374-382	7	11
52	Positive effect of an electrolyzed reduced water on gut permeability, fecal microbiota and liver in an animal model of Parkinson's disease. <i>PLoS ONE</i> , 2019 , 14, e0223238	3.7	11
51	Imbalance in redox system of rat liver following permethrin treatment in adolescence and neonatal age. <i>Xenobiotica</i> , 2013 , 43, 1103-10	2	11
50	Synthesis, spectroscopic characterization (IR, ¹ H, ¹³ C and ¹¹⁹ Sn NMR, electrospray mass spectrometry) and toxicity of new organotin(IV) complexes with N,N',O- and N,N',S-scorpionate ligands. <i>Applied Organometallic Chemistry</i> , 2005 , 19, 583-589	3.1	11
49	Trimethylamine N-oxide and the reverse cholesterol transport in cardiovascular disease: a cross-sectional study. <i>Scientific Reports</i> , 2020 , 10, 18675	4.9	10
48	Protective effect of alpha-lipoic acid on cypermethrin-induced oxidative stress in Wistar rats. <i>International Journal of Immunopathology and Pharmacology</i> , 2013 , 26, 871-81	3	10
47	A new method to evaluate spontaneous platelet aggregation in type 2 diabetes by Cellfacts. <i>Clinica Chimica Acta</i> , 2003 , 329, 95-102	6.2	10
46	The effect of indolinic and quinolinic nitroxide radicals on trout erythrocytes exposed to oxidative stress. <i>Free Radical Research</i> , 1998 , 28, 507-16	4	10
45	Effect of imidazole salicylate on the respiratory burst of polymorphonuclear leukocytes. <i>Current Therapeutic Research</i> , 1993 , 54, 241-247	2.4	10
44	Inactivation of glutathione peroxidase following entrapment of purified alpha or beta hemoglobin chains in human erythrocytes. <i>Clinica Chimica Acta</i> , 1993 , 217, 187-92	6.2	10
43	Walnut-Derived Peptide Activates PINK1 via the NRF2/KEAP1/HO-1 Pathway, Promotes Mitophagy, and Alleviates Learning and Memory Impairments in a Mice Model. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 2758-2772	5.7	10

42	Erythrocyte antioxidants enzymes imbalance following subcutaneous pyrethroid treatments in rats of different sex. <i>Environmental Toxicology and Pharmacology</i> , 2010 , 30, 116-20	5.8	9
41	Interaction of trout hemoglobin with H ₂ O ₂ : a chemiluminescence study. <i>Luminescence</i> , 1997 , 12, 79-85		9
40	Effect of organotin compounds on trout hemoglobins. <i>Biochemical and Biophysical Research Communications</i> , 1997 , 238, 301-4	3.4	8
39	Extra Virgin Olive Oil and Oil Produced in Central Italy: A Comparison of the Nutrigenomic Effects of Two Mediterranean Oils in a Low-Grade Inflammation Model. <i>Antioxidants</i> , 2019 , 9,	7.1	8
38	Exercise-induced heart mitochondrial cholesterol depletion influences the inhibition of mitochondrial swelling. <i>Experimental Physiology</i> , 2013 , 98, 1457-68	2.4	7
37	The effect of ethyl pyruvate supplementation on rat fatty liver induced by a high-fat diet. <i>Journal of Nutritional Science and Vitaminology</i> , 2013 , 59, 232-7	1.1	7
36	Nutrigenomics of Dietary Lipids. <i>Antioxidants</i> , 2021 , 10,	7.1	7
35	Effect of 17 β -Estradiol on striatal dopaminergic transmission induced by permethrin in early childhood rats. <i>Chemosphere</i> , 2014 , 112, 496-502	8.4	6
34	Physicochemical characterization of plasma membranes from density-separated trout erythrocytes. <i>Archives of Biochemistry and Biophysics</i> , 1996 , 336, 157-62	4.1	6
33	Nutri-Epigenetics and Gut Microbiota: How Birth Care, Bonding and Breastfeeding Can Influence and Be Influenced?. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	6
32	Mitochondrial DNA copy number and trimethylamine levels in the blood: New insights on cardiovascular disease biomarkers. <i>FASEB Journal</i> , 2021 , 35, e21694	0.9	6
31	Exercise-Induced Changes in Caveolin-1, Depletion of Mitochondrial Cholesterol, and the Inhibition of Mitochondrial Swelling in Rat Skeletal Muscle but Not in the Liver. <i>Oxidative Medicine and Cellular Longevity</i> , 2016 , 2016, 3620929	6.7	6
30	Metal and Microelement Biomarkers of Neurodegeneration in Early Life Permethrin-Treated Rats. <i>Toxics</i> , 2016 , 4,	4.7	6
29	The Role of Nutri(epi)genomics in Achieving the Body's Full Potential in Physical Activity. <i>Antioxidants</i> , 2020 , 9,	7.1	5
28	Chemical and Sensory Profiling of Monovarietal Extra Virgin Olive Oils from the Italian Marche Region. <i>Antioxidants</i> , 2020 , 9,	7.1	5
27	An Overview of Gut Microbiota and Colon Diseases with a Focus on Adenomatous Colon Polyps. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	5
26	Seasonal variation of fat composition in sheep milk from areas of central Italy. <i>Mediterranean Journal of Nutrition and Metabolism</i> , 2010 , 3, 55-60	1.3	4
25	Erythrocyte plasma membrane perturbations in rats fed a cholesterol-rich diet: effect of drinking sulphurous mineral water. <i>Annals of Nutrition and Metabolism</i> , 2005 , 49, 9-15	4.5	4

24	Effect of N-acylethanolamines on trout erythrocytes. <i>Chemistry and Physics of Lipids</i> , 1995 , 75, 97-100	3.7	4
23	Early Nutrition and Risk of Type 1 Diabetes: The Role of Gut Microbiota. <i>Frontiers in Nutrition</i> , 2020 , 7, 612377	6.2	4
22	Zic1 mRNA is transiently upregulated in subcutaneous fat of acutely cold-exposed mice. <i>Journal of Cellular Physiology</i> , 2019 , 234, 2031-2036	7	4
21	Angiotensin-Converting Enzyme Ins/Del Polymorphism and Body Composition: The Intermediary Role of Hydration Status. <i>Journal of Nutrigenetics and Nutrigenomics</i> , 2017 , 10, 1-8		3
20	A Superoxide Dismutase Biosensor for Measuring the Antioxidant capacity of Blueberry Based Integrators. <i>Current Pharmaceutical Analysis</i> , 2013 , 9, 208-216	0.6	3
19	Reduced Priming Capacity of Bronchoalveolar Lavage Liquid on Polymorphonuclear Leucocytes after Nedocromil Therapy in Asthmatic Children. <i>Clinical Drug Investigation</i> , 1995 , 9, 57-60	3.2	3
18	Adrenaline effects on the oxygen binding to trout hemoglobin. <i>Comparative Biochemistry and Physiology Part C: Comparative Pharmacology</i> , 1991 , 98, 451-453		3
17	Gender-Related Differences in Trimethylamine and Oxidative Blood Biomarkers in Cardiovascular Disease Patients. <i>Biomedicines</i> , 2020 , 8,	4.8	3
16	The neglected nutrigenomics of milk: What is the role of inter-species transfer of small non-coding RNA?. <i>Food Bioscience</i> , 2021 , 39, 100796	4.9	3
15	Hair Microelement Profile as a Prognostic Tool in Parkinson's Disease. <i>Toxics</i> , 2016 , 4,	4.7	2
14	Accumulation of Damage Due to Lifelong Exposure to Environmental Pollution as Dietary Target in Aging 2016 , 177-188		2
13	Diet, Trimethylamine Metabolism and Mitochondrial DNA: An Observational Study.. <i>Molecular Nutrition and Food Research</i> , 2022 , e2200003	5.9	2
12	NURR1 Alterations in Perinatal Stress: A First Step towards Late-Onset Diseases? A Narrative Review. <i>Biomedicines</i> , 2020 , 8,	4.8	1
11	Nutrigenomics as a Strategy for Neuronal Health. <i>Healthy Ageing and Longevity</i> , 2019 , 167-187	0.5	1
10	A Superoxide Dismutase Biosensor for Measuring the Antioxidant Capacity of Blueberry-Based Integrators. <i>Lecture Notes in Electrical Engineering</i> , 2014 , 131-135	0.2	1
9	Fluorescence study on rat epithelial cells and liposomes exposed to aromatic nitroxides. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2004 , 137, 355-62	3.2	1
8	Effect of nedocromil sodium on polymorphonuclear leukocyte plasma membrane. <i>Mediators of Inflammation</i> , 1994 , 3, S21-4	4.3	1
7	Mitochondrial DNA and Epigenetics: Investigating Interactions with the One-Carbon Metabolism in Obesity.. <i>Oxidative Medicine and Cellular Longevity</i> , 2022 , 2022, 9171684	6.7	1

6	Chemical Constituents and Biological Activities of the Leaves of <i>Knema saxatilis</i> . <i>Chemistry of Natural Compounds</i> , 2021 , 57, 355-359	0.7	1
5	Nutrigenomics of Food Pesticides 2020 , 513-518		1
4	Effect of <i>Nigella sativa</i> Oil in a Rat Model of Adjuvant-Induced Arthritis. <i>Proceedings (mdpi)</i> , 2019 , 11, 16	0.3	
3	Superoxide anion handling by trout erythrocytes: A chemiluminescence study. <i>Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology</i> , 1996 , 115, 83-87		
2	Alterations in membrane fluidity of polymorphonuclear leukocytes from children with trisomy 21. <i>Pathophysiology</i> , 1994 , 1, 63-67	1.8	
1	Trimethylamine N-Oxide (TMAO) as a Biomarker. <i>Biomarkers in Disease</i> , 2022 , 1-20		