Rosita Gabbianelli

List of Publications by Year
in descending order

118 papers	3,005 citations	147566 31 h-index	205818 48 g-index
122 all docs	122 docs citations	122 times ranked	3468 citing authors

#	Article	IF	Citations
1	Dopaminergic system modulation, behavioral changes, and oxidative stress after neonatal administration of pyrethroids. Toxicology, 2007, 229, 194-205.	2.0	153
2	Different effects of Type I and Type II pyrethroids on erythrocyte plasma membrane properties and enzymatic activity in rats. Toxicology, 2003, 191, 233-244.	2.0	137
3	Obesity and Cardiometabolic Risk Factors: From Childhood to Adulthood. Nutrients, 2021, 13, 4176.	1.7	135
4	Antioxidant and Anti-Inflammatory Properties of Nigella sativa Oil in Human Pre-Adipocytes. Antioxidants, 2019, 8, 51.	2.2	96
5	Lymphocyte DNA damage in rats exposed to pyrethroids: effect of supplementation with Vitamins E and C. Toxicology, 2004, 203, 17-26.	2.0	84
6	Antioxidative and gastroprotective activities of anti-inflammatory formulations derived from chestnut honey in rats. Nutrition Research, 2006, 26, 130-137.	1.3	75
7	Effects of early life permethrin exposure on spatial working memory and on monoamine levels in different brain areas of pre-senescent rats. Toxicology, 2013, 303, 162-168.	2.0	74
8	Cypermethrin-induced plasma membrane perturbation on erythrocytes from rats: reduction of fluidity in the hydrophobic core and in glutathione peroxidase activity. Toxicology, 2002, 175, 91-101.	2.0	69
9	DNA Damage Induced by Copper on Erythrocytes of Gilthead Sea Bream Sparus aurata and Mollusk Scapharca inaequivalvis. Archives of Environmental Contamination and Toxicology, 2003, 45, 350-6.	2.1	68
10	The impact of early life permethrin exposure on development of neurodegeneration in adulthood. Experimental Gerontology, 2012, 47, 60-66.	1.2	63
11	Changes on fecal microbiota in rats exposed to permethrin during postnatal development. Environmental Science and Pollution Research, 2016, 23, 10930-10937.	2.7	60
12	Primers on nutrigenetics and nutri(epi)genomics: Origins and development of precision nutrition. Biochimie, 2019, 160, 156-171.	1.3	58
13	Glucose as a Major Antioxidant: When, What for and Why It Fails?. Antioxidants, 2020, 9, 140.	2.2	58
14	Codrugs Linking <scp>l</scp>-Dopa and Sulfur-Containing Antioxidants: New Pharmacological Tools against Parkinsonâ€™s Disease. Journal of Medicinal Chemistry, 2009, 52, 559-563.	2.9	55
15	Epigenetics and neurodegeneration: role of early-life nutrition. Journal of Nutritional Biochemistry, 2018, 57, 1-13.	1.9	55
16	Early life permethrin insecticide treatment leads to heart damage in adult rats. Experimental Gerontology, 2011, 46, 731-738.	1.2	52
17	Anti-Inflammatory, Anti-Arthritic and Anti-Nociceptive Activities of Nigella sativa Oil in a Rat Model of Arthritis. Antioxidants, 2019, 8, 342.	2.2	52
18	Neonatal exposure to permethrin pesticide causes lifelong fear and spatial learning deficits and alters hippocampal morphology of synapses. Journal of Neurodevelopmental Disorders, 2014, 6, 7.	1.5	47

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19	A salting out system for improving the efficiency of the headspace solid-phase microextraction of short and medium chain free fatty acids. Journal of Chromatography A, 2015, 1409, 282-287.	1.8	47
20	Effect of permethrin plus antioxidants on locomotor activity and striatum in adolescent rats. Toxicology, 2008, 251, 45-50.	2.0	45
21	Early life permethrin exposure induces long-term brain changes in Nurr1, NF-kB and Nrf-2. Brain Research, 2013, 1515, 19-28.	1.1	45
22	Effect of permethrin insecticide on rat polymorphonuclear neutrophils. Chemico-Biological Interactions, 2009, 182, 245-252.	1.7	43
23	The primary role of glutathione against nuclear DNA damage of striatum induced by permethrin in rats. Neuroscience, 2010, 168, 2-10.	1.1	42
24	Antioxidant Activities of Different Hemoglobin Derivatives. Biochemical and Biophysical Research Communications, 1998, 242, 560-564.	1.0	39
25	Intergenerational Effect of Early Life Exposure to Permethrin: Changes in Global DNA Methylation and in Nurr1 Gene Expression. Toxics, 2015, 3, 451-461.	1.6	39
26	Pyrethroid Pesticide Metabolite in Urine and Microelements in Hair of Children Affected by Autism Spectrum Disorders: A Preliminary Investigation. International Journal of Environmental Research and Public Health, 2016, 13, 388.	1.2	39
27	Walnut-Derived Peptide Activates PINK1 via the NRF2/KEAP1/HO-1 Pathway, Promotes Mitophagy, and Alleviates Learning and Memory Impairments in a Mice Model. Journal of Agricultural and Food Chemistry, 2021, 69, 2758-2772.	2.4	39
28	Permethrin induces lymphocyte DNA lesions at both Endo III and Fpg sites and changes in monocyte respiratory burst in rats. Journal of Applied Toxicology, 2009, 29, 317-322.	1.4	36
29	Interaction of tributyltin(IV) chloride and a related complex [Bu3Sn(LSM)] with rat leukocytes and erythrocytes: Effect on DNA and on plasma membrane. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2008, 653, 57-62.	0.9	34
30	Early life permethrin treatment leads to long-term cardiotoxicity. Chemosphere, 2013, 93, 1029-1034.	4.2	34
31	Early life exposure to permethrin: a progressive animal model of Parkinson's disease. Journal of Pharmacological and Toxicological Methods, 2017, 83, 80-86.	0.3	34
32	A Pilot Study on the Effects of l-Carnitine and Trimethylamine-N-Oxide on Platelet Mitochondrial DNA Methylation and CVD Biomarkers in Aged Women. International Journal of Molecular Sciences, 2020, 21, 1047.	1.8	34
33	Purine Bases Oxidation and Repair Following Permethrin Insecticide Treatment in Rat Heart Cells. Cardiovascular Toxicology, 2010, 10, 199-207.	1.1	32
34	Chemical and sensory differences between high price and low price extra virgin olive oils. Food Research International, 2018, 105, 65-75.	2.9	31
35	In vivo and in silico studies to identify mechanisms associated with Nurr1 modulation following early life exposure to permethrin in rats. Neuroscience, 2017, 340, 411-423.	1.1	30
36	Leukocyte Nurr1 as peripheral biomarker of early-life environmental exposure to permethrin insecticide. Biomarkers, 2012, 17, 604-609.	0.9	29

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37	Trimethylamine N-oxide and the reverse cholesterol transport in cardiovascular disease: a cross-sectional study. Scientific Reports, 2020, 10, 18675.	1.6	29
38	A quantitative headspaceâ€“solid-phase microextractionâ€“gas chromatographyâ€“flame ionization detector method to analyze short chain free fatty acids in rat feces. Analytical Biochemistry, 2016, 508, 12-14.	1.1	28
39	Obesityâ€related genetic polymorphisms and adiposity indices in a young Italian population. IUBMB Life, 2017, 69, 98-105.	1.5	28
40	Early impairment of epigenetic pattern in neurodegeneration: Additional mechanisms behind pyrethroid toxicity. Experimental Gerontology, 2019, 124, 110629.	1.2	27
41	Plasma Membrane Perturbation Induced by Organotins on Erythrocytes fromSalmo irideus Trout. Applied Organometallic Chemistry, 1996, 10, 451-457.	1.7	25
42	Mitochondrial DNA methylation and copy number predict body composition in a young female population. Journal of Translational Medicine, 2019, 17, 399.	1.8	25
43	Positive effect of an electrolyzed reduced water on gut permeability, fecal microbiota and liver in an animal model of Parkinsonâ€™s disease. PLoS ONE, 2019, 14, e0223238.	1.1	24
44	Perturbation of Rat Heart Plasma Membrane Fluidity Due to Metabolites of Permethrin Insecticide. Cardiovascular Toxicology, 2011, 11, 226-234.	1.1	23
45	Mitochondrial DNA and Neurodegeneration: Any Role for Dietary Antioxidants?. Antioxidants, 2020, 9, 764.	2.2	23
46	Extra Virgin Olive Oil and Nigella sativa Oil Produced in Central Italy: A Comparison of the Nutrigenomic Effects of Two Mediterranean Oils in a Low-Grade Inflammation Model. Antioxidants, 2020, 9, 20.	2.2	21
47	Effect of Aromatic Nitroxides on Hemolysis of Human Erythrocytes Entrapped With Isolated Hemoglobin Chains. Free Radical Biology and Medicine, 1997, 23, 278-284.	1.3	20
48	Protective effect of ethyl pyruvate on msP rat leukocytes damaged by alcohol intake. Journal of Applied Toxicology, 2007, 27, 561-570.	1.4	20
49	Hemoglobin system of Sparus aurata: changes in fishes farmed under extreme conditions. Science of the Total Environment, 2008, 403, 148-153.	3.9	20
50	Permethrin and its metabolites affect Cu/Zn superoxide conformation: fluorescence and in silico evidences. Molecular BioSystems, 2015, 11, 208-217.	2.9	20
51	Early life permethrin exposure leads to hypervitaminosis D, nitric oxide and catecholamines impairment. Pesticide Biochemistry and Physiology, 2013, 107, 93-97.	1.6	19
52	Correlation between functional and structural changes of reduced and oxidized trout hemoglobins I and IV at different pHs. A circular dichroism study. FEBS Journal, 2004, 271, 1971-1979.	0.2	18
53	Effect of different organotins on DNA of mollusk (Scapharca inaequivalvis) erythrocytes assessed by the comet assay. Science of the Total Environment, 2006, 367, 163-169.	3.9	18
54	Imbalance in redox system of rat liver following permethrin treatment in adolescence and neonatal age. Xenobiotica, 2013, 43, 1103-1110.	0.5	18

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55	Effect of different organotin compounds on DNA of gilthead sea bream (Sparus aurata) erythrocytes assessed by the comet assay. Applied Organometallic Chemistry, 2002, 16, 163-168.	1.7	17
56	Lead-induced changes in human erythrocytes and lymphocytes. Journal of Applied Toxicology, 2005, 25, 109-114.	1.4	17
57	Epigenetic Memory of Early-Life Parental Perturbation: Dopamine Decrease and DNA Methylation Changes in Offspring. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-11.	1.9	17
58	Mitochondrial DNA copy number and trimethylamine levels in the blood: New insights on cardiovascular disease biomarkers. FASEB Journal, 2021, 35, e21694.	0.2	16
59	Seasonal variations of physical and biochemical membrane properties in trout erythrocytes (Salmo) Tj ETQq1 1 0.784314 rgBT /Overlock 275-279.	0.7	15
60	Hemoglobin components from trout (Salmo irideus): determination of their peroxidative activity. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2001, 130, 559-564.	0.7	15
61	Pyruvate but not lactate prevents NADH-induced myoglobin oxidation. Free Radical Biology and Medicine, 2005, 38, 1484-1490.	1.3	15
62	Nutri-Epigenetics and Gut Microbiota: How Birth Care, Bonding and Breastfeeding Can Influence and Be Influenced?. International Journal of Molecular Sciences, 2020, 21, 5032.	1.8	15
63	The Effect of Indolinic and Quinolinic Nitroxide Radicals on Trout Erythrocytes Exposed to Oxidative Stress. Free Radical Research, 1998, 28, 507-516.	1.5	14
64	Photoinduced degradation by iron(III): removal of triphenyltin chloride from water. Applied Organometallic Chemistry, 2002, 16, 27-33.	1.7	14
65	Permethrin pesticide induces NURR1 up-regulation in dopaminergic cell line: Is the pro-oxidant effect involved in toxicant-neuronal damage?. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2017, 201, 51-57.	1.3	14
66	The possible ameliorative effect of Olea europaea L. oil against deltamethrin-induced oxidative stress and alterations of serum concentrations of thyroid and reproductive hormones in adult female rats. Ecotoxicology and Environmental Safety, 2018, 161, 374-382.	2.9	14
67	Nutrigenomics of Dietary Lipids. Antioxidants, 2021, 10, 994.	2.2	14
68	Biodetoxification and Protective Properties of Probiotics. Microorganisms, 2022, 10, 1278.	1.6	14
69	Oxidative damage in rat erythrocyte membranes following ethanol intake: Effect of ethyl pyruvate. Chemico-Biological Interactions, 2007, 169, 122-131.	1.7	13
70	Proteomic analysis for early neurodegenerative biomarker detection in an animal model. Biochimie, 2016, 121, 79-86.	1.3	13
71	An Overview of Gut Microbiota and Colon Diseases with a Focus on Adenomatous Colon Polyps. International Journal of Molecular Sciences, 2020, 21, 7359.	1.8	13
72	Synthesis, spectroscopic characterization (IR,1H,13C and119Sn NMR, electrospray mass spectrometry) and toxicity of new organotin(IV) complexes withN,Nâ€²,O- andN,Nâ€²,S-scorpionate ligands. Applied Organometallic Chemistry, 2005, 19, 583-589.	1.7	12

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73	Protective Effect of Alpha-Lipoic Acid on Cypermethrin-Induced Oxidative Stress in Wistar Rats. International Journal of Immunopathology and Pharmacology, 2013, 26, 871-881.	1.0	12
74	Prolonged swimming promotes cellular oxidative stress and p66Shc phosphorylation, but does not induce oxidative stress in mitochondria in the rat heart. Free Radical Research, 2015, 49, 7-16.	1.5	12
75	Inactivation of glutathione peroxidase following entrapment of purified Î± or Î² hemoglobin chains in human erythrocytes. Clinica Chimica Acta, 1993, 217, 187-192.	0.5	11
76	Effect of imidazole salicylate on the respiratory burst of polymorphonuclear leukocytes. Current Therapeutic Research, 1993, 54, 241-247.	0.5	11
77	Effect of Organotin Compounds on Trout Hemoglobins. Biochemical and Biophysical Research Communications, 1997, 238, 301-304.	1.0	11
78	Interaction of trout hemoglobin with H2O2: a chemiluminescence study. , 1997, 12, 79-85.		11
79	A new method to evaluate spontaneous platelet aggregation in type 2 diabetes by Cellfacts. Clinica Chimica Acta, 2003, 329, 95-102.	0.5	11
80	Erythrocyte antioxidants enzymes imbalance following subcutaneous pyrethroid treatments in rats of different sex. Environmental Toxicology and Pharmacology, 2010, 30, 116-120.	2.0	11
81	The Role of Nutri(epi)genomics in Achieving the Bodyâ€™s Full Potential in Physical Activity. Antioxidants, 2020, 9, 498.	2.2	10
82	The Effect of Ethyl Pyruvate Supplementation on Rat Fatty Liver Induced by a High-Fat Diet. Journal of Nutritional Science and Vitaminology, 2013, 59, 232-237.	0.2	9
83	Effect of 17Î²-estradiol on striatal dopaminergic transmission induced by permethrin in early childhood rats. Chemosphere, 2014, 112, 496-502.	4.2	9
84	Epigenetics in ageing and development. Mechanisms of Ageing and Development, 2018, 174, 1-2.	2.2	9
85	Mitochondrial DNA and Epigenetics: Investigating Interactions with the One-Carbon Metabolism in Obesity. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-12.	1.9	9
86	Exerciseâ€induced heart mitochondrial cholesterol depletion influences the inhibition of mitochondrial swelling. Experimental Physiology, 2013, 98, 1457-1468.	0.9	8
87	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. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-8.	1.9	8
88	Zic1 mRNA is transiently upregulated in subcutaneous fat of acutely coldâ€exposed mice. Journal of Cellular Physiology, 2019, 234, 2031-2036.	2.0	8
89	Early Nutrition and Risk of Type 1 Diabetes: The Role of Gut Microbiota. Frontiers in Nutrition, 2020, 7, 612377.	1.6	8
90	Chemical and Sensory Profiling of Monovarietal Extra Virgin Olive Oils from the Italian Marche Region. Antioxidants, 2020, 9, 330.	2.2	8

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91	Chemical Constituents and Biological Activities of the Leaves of Knema saxatilis. Chemistry of Natural Compounds, 2021, 57, 355-359.	0.2	7
92	Physicochemical Characterization of Plasma Membranes from Density-Separated Trout Erythrocytes. Archives of Biochemistry and Biophysics, 1996, 336, 157-162.	1.4	6
93	Erythrocyte Plasma Membrane Perturbations in Rats Fed a Cholesterol-Rich Diet: Effect of Drinking Sulphurous Mineral Water. Annals of Nutrition and Metabolism, 2005, 49, 9-15.	1.0	6
94	Hair Microelement Profile as a Prognostic Tool in Parkinsonâ€™s Disease. Toxics, 2016, 4, 27.	1.6	6
95	Metal and Microelement Biomarkers of Neurodegeneration in Early Life Permethrin-Treated Rats. Toxics, 2016, 4, 3.	1.6	6
96	Modulation of the Epigenome by Nutrition and Xenobiotics during Early Life and across the Life Span: The Key Role of Lifestyle. Lifestyle Genomics, 2018, 11, 9-12.	0.6	6
97	Gender-Related Differences in Trimethylamine and Oxidative Blood Biomarkers in Cardiovascular Disease Patients. Biomedicines, 2020, 8, 238.	1.4	6
98	The neglected nutrigenomics of milk: What is the role of inter-species transfer of small non-coding RNA?. Food Bioscience, 2021, 39, 100796.	2.0	6
99	Seasonal variation of fat composition in sheepâ€™s milk from areas of central Italy. Mediterranean Journal of Nutrition and Metabolism, 2010, 3, 55-60.	0.2	5
100	Adrenaline effects on the oxygen binding to trout hemoglobin. Comparative Biochemistry and Physiology Part C: Comparative Pharmacology, 1991, 98, 451-453.	0.2	4
101	Effect of N-acylethanolamines on trout erythrocytes. Chemistry and Physics of Lipids, 1995, 75, 97-100.	1.5	4
102	NURR1 Alterations in Perinatal Stress: A First Step towards Late-Onset Diseases? A Narrative Review. Biomedicines, 2020, 8, 584.	1.4	4
103	Reduced Priming Capacity of Bronchoalveolar Lavage Liquid on Polymorphonuclear Leucocytes after Nedocromil Therapy in Asthmatic Children. Clinical Drug Investigation, 1995, 9, 57-60.	1.1	3
104	A Superoxide Dismutase Biosensor for Measuring the Antioxidant capacity of Blueberry Based Integrators. Current Pharmaceutical Analysis, 2013, 9, 208-216.	0.3	3
105	Angiotensin-Converting Enzyme Ins/Del Polymorphism and Body Composition: The Intermediary Role of Hydration Status. Journal of Nutrigenetics and Nutrigenomics, 2017, 10, 1-8.	1.8	3
106	Diet, Trimethylamine Metabolism, and Mitochondrial DNA: An Observational Study. Molecular Nutrition and Food Research, 2022, , 2200003.	1.5	3
107	Fluorescence study on rat epithelial cells and liposomes exposed to aromatic nitroxides. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2004, 137, 355-362.	1.3	2
108	Accumulation of Damage Due to Lifelong Exposure to Environmental Pollution as Dietary Target in Aging. , 2016, , 177-188.		2

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109	Antioxidant Properties of Ester Derivatives of Cinnamic and Hydroxycinnamic Acids in Nigella sativa and Extra-Virgin Olive Oils-Based Emulsions. Antioxidants, 2022, 11, 194.	2.2	2
110	Effect of Nedocromil Sodium on Polymorphonuclear Leukocyte Plasma Membrane. Mediators of Inflammation, 1994, 3, S21-S24.	1.4	1
111	A Superoxide Dismutase Biosensor for Measuring the Antioxidant Capacity of Blueberry-Based Integrators. Lecture Notes in Electrical Engineering, 2014, , 131-135.	0.3	1
112	Nutrigenomics as a Strategy for Neuronal Health. Healthy Ageing and Longevity, 2019, , 167-187.	0.2	1
113	Effect of Nigella sativa Oil in a Rat Model of Adjuvant-Induced Arthritis. Proceedings (mdpi), 2019, 11, 16.	0.2	1
114	Nutrigenomics of Food Pesticides. , 2020, , 513-518.		1
115	Alterations in membrane fluidity of polymorphonuclear leukocytes from children with trisomy 21. Pathophysiology, 1994, 1, 63-67.	1.0	0
116	Superoxide anion handling by trout erythrocytes: A chemiluminescence study. Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology, 1996, 115, 83-87.	0.5	0
117	<i>HTR2C</i> Gene Variant and Salivary Cortisol Levels after Endurance Physical Activity: A Pilot Study. Lifestyle Genomics, 2018, 11, 163-167.	0.6	0
118	Implications of Dietary Leucine on Muscle mTOR Gene Expression and Redox Status in Rats Following High Intensity Effort. Current Nutrition and Food Science, 2015, 10, 288-293.	0.3	0