

Giovanni Pagano

List of Publications by Year in descending order

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69
papers

3,131
citations

147566

31
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155451

55
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71
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docs citations

71
times ranked

3415
citing authors

#	ARTICLE	IF	CITATIONS
1	Health effects and toxicity mechanisms of rare earth elements—Knowledge gaps and research prospects. <i>Ecotoxicology and Environmental Safety</i> , 2015, 115, 40-48.	2.9	412
2	Rare earth elements in human and animal health: State of art and research priorities. <i>Environmental Research</i> , 2015, 142, 215-220.	3.7	235
3	In vivo accumulation of 8-hydroxy-2'-deoxyguanosine in DNA correlates with release of reactive oxygen species in Fanconi's anaemia families. <i>Carcinogenesis</i> , 1995, 16, 735-742.	1.3	147
4	Oxidative Stress and Mitochondrial Dysfunction across Broad-Ranging Pathologies: Toward Mitochondria-Targeted Clinical Strategies. <i>Oxidative Medicine and Cellular Longevity</i> , 2014, 2014, 1-27.	1.9	108
5	Human exposures to rare earth elements: Present knowledge and research prospects. <i>Environmental Research</i> , 2019, 171, 493-500.	3.7	107
6	Mitochondrial dysfunction in some oxidative stress-related genetic diseases: Ataxia-Telangiectasia, Down Syndrome, Fanconi Anaemia and Werner Syndrome. <i>Biogerontology</i> , 2010, 11, 401-419.	2.0	106
7	Oxidative Stress and Mitochondrial Dysfunction in Down Syndrome. <i>Advances in Experimental Medicine and Biology</i> , 2012, 724, 291-299.	0.8	100
8	Cytogenetic and developmental toxicity of cerium and lanthanum to sea urchin embryos. <i>Chemosphere</i> , 2010, 81, 194-198.	4.2	94
9	Spermiotoxicity and embryotoxicity of heavy metals in the echinoid <i>Paracentrotus lividus</i> . <i>Environmental Toxicology and Chemistry</i> , 1996, 15, 1931-1936.	2.2	88
10	Fertilization and larval development in sea urchins following exposure of gametes and embryos to cadmium. <i>Archives of Environmental Contamination and Toxicology</i> , 1982, 11, 47-55.	2.1	83
11	Review of Rare Earth Elements as Fertilizers and Feed Additives: A Knowledge Gap Analysis. <i>Archives of Environmental Contamination and Toxicology</i> , 2021, 81, 531-540.	2.1	76
12	Multiple evidence for an early age pro-oxidant state in Down Syndrome patients. <i>Biogerontology</i> , 2006, 7, 211-220.	2.0	70
13	Comparative toxicities of selected rare earth elements: Sea urchin embryogenesis and fertilization damage with redox and cytogenetic effects. <i>Environmental Research</i> , 2016, 147, 453-460.	3.7	70
14	The effects of hexavalent and trivalent chromium on fertilization and development in sea urchins. <i>Environmental Research</i> , 1983, 30, 442-452.	3.7	66
15	Fanconi anaemia proteins: Major roles in cell protection against oxidative damage. <i>BioEssays</i> , 2003, 25, 589-595.	1.2	66
16	Oxidative stress as a multiple effector in Fanconi anaemia clinical phenotype. <i>European Journal of Haematology</i> , 2005, 75, 93-100.	1.1	65
17	Toxicity of leather tanning wastewater effluents in sea urchin early development and in marine microalgae. <i>Chemosphere</i> , 2005, 61, 208-217.	4.2	64
18	Microplastic-induced damage in early embryonal development of sea urchin <i>Sphaerechinus granularis</i> . <i>Environmental Research</i> , 2019, 179, 108815.	3.7	63

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19	Vegetable and synthetic tannins induce hormesis/toxicity in sea urchin early development and in algal growth. <i>Environmental Pollution</i> , 2007, 146, 46-54.	3.7	57
20	Oxidative stress in Fanconi anaemia: from cells and molecules towards prospects in clinical management. <i>Biological Chemistry</i> , 2012, 393, 11-21.	1.2	57
21	Multi-species toxicity evaluation of a chromium-based leather tannery wastewater. <i>Desalination</i> , 2007, 211, 48-57.	4.0	51
22	Sjögren's syndrome-associated oxidative stress and mitochondrial dysfunction: Prospects for chemoprevention trials. <i>Free Radical Research</i> , 2013, 47, 71-73.	1.5	51
23	The role of oxidative stress in developmental and reproductive toxicity of tamoxifen. <i>Life Sciences</i> , 2001, 68, 1735-1749.	2.0	50
24	Comparative toxicity of seven rare earth elements in sea urchin early life stages. <i>Environmental Science and Pollution Research</i> , 2017, 24, 20803-20810.	2.7	50
25	Gender- and age-related distinctions for the in vivo prooxidant state in Fanconi anaemia patients. <i>Carcinogenesis</i> , 2004, 25, 1899-1909.	1.3	44
26	In vivoprooxidant state in Werner syndrome (WS): Results from three WS patients and two WS heterozygotes. <i>Free Radical Research</i> , 2005, 39, 529-533.	1.5	44
27	Redox-dependent toxicity of diepoxybutane and mitomycin C in sea urchin embryogenesis. <i>Carcinogenesis</i> , 2000, 21, 213-220.	1.3	42
28	pH-Induced changes in mitotic and developmental patterns in sea urchin embryogenesis. I. Exposure of embryos. <i>Teratogenesis, Carcinogenesis, and Mutagenesis</i> , 1985, 5, 101-112.	0.8	39
29	Multiple Involvement of Oxidative Stress in Werner Syndrome Phenotype. <i>Biogerontology</i> , 2005, 6, 233-243.	2.0	39
30	Effects on sea urchin fertilization and embryogenesis of water and sediment from two rivers in Campania, Italy. <i>Archives of Environmental Contamination and Toxicology</i> , 1993, 25, 20.	2.1	37
31	Sea Urchin Bioassays in Toxicity Testing: I. Inorganics, Organics, Complex Mixtures and Natural Products. <i>Expert Opinion on Environmental Biology</i> , 2017, 06, .	0.2	33
32	Toxicity of Bauxite Manufacturing By-products in Sea Urchin Embryos. <i>Ecotoxicology and Environmental Safety</i> , 2002, 51, 28-34.	2.9	31
33	Comparative toxicities of aluminum and zinc from sacrificial anodes or from sulfate salt in sea urchin embryos and sperm. <i>Ecotoxicology and Environmental Safety</i> , 2010, 73, 1138-1143.	2.9	30
34	Oxidative stress-related mechanisms are associated with xenobiotics exerting excess toxicity to Fanconi anemia cells.. <i>Environmental Health Perspectives</i> , 2003, 111, 1699-1703.	2.8	28
35	Sublethal pH decrease may cause genetic damage to eukaryotic cell: A study on sea urchins and <i>Salmonella typhimurium</i> . <i>Teratogenesis, Carcinogenesis, and Mutagenesis</i> , 1986, 6, 275-287.	0.8	27
36	Heavy rare earth elements affect early life stages in <i>Paracentrotus lividus</i> and <i>Arbacia lixula</i> sea urchins. <i>Environmental Research</i> , 2017, 154, 240-246.	3.7	25

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37	Different patterns of in vivo pro-oxidant states in a set of cancer- or aging-related genetic diseases. <i>Free Radical Biology and Medicine</i> , 2008, 44, 495-503.	1.3	24
38	From clinical description, to in vitro and animal studies, and backward to patients: Oxidative stress and mitochondrial dysfunction in Fanconi anemia. <i>Free Radical Biology and Medicine</i> , 2013, 58, 118-125.	1.3	24
39	Mild toxicity of polystyrene and polymethylmethacrylate microplastics in <i>Paracentrotus lividus</i> early life stages. <i>Marine Environmental Research</i> , 2020, 161, 105132.	1.1	21
40	Damaged mitochondria in Fanconi anemia - an isolated event or a general phenomenon?. <i>Oncoscience</i> , 2014, 1, 287-295.	0.9	21
41	Current Experience in Testing Mitochondrial Nutrients in Disorders Featuring Oxidative Stress and Mitochondrial Dysfunction: Rational Design of Chemoprevention Trials. <i>International Journal of Molecular Sciences</i> , 2014, 15, 20169-20208.	1.8	20
42	In Vitro Hypersensitivity to Oxygen of Fanconi Anemia (FA) Cells Is Linked to Ex Vivo Evidence for Oxidative Stress in FA Homozygotes and Heterozygotes. <i>Blood</i> , 1997, 89, 1111-1111.	0.6	19
43	Bone marrow cell transcripts from Fanconi anaemia patients reveal <i>in vivo</i> alterations in mitochondrial, redox and DNA repair pathways. <i>European Journal of Haematology</i> , 2013, 91, 141-151.	1.1	19
44	Heavy Rare Earth Elements Affect <i>Sphaerechinus granularis</i> Sea Urchin Early Life Stages by Multiple Toxicity Endpoints. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2018, 100, 641-646.	1.3	19
45	Ageing-Related Disorders and Mitochondrial Dysfunction: A Critical Review for Prospect Mitoprotective Strategies Based on Mitochondrial Nutrient Mixtures. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7060.	1.8	19
46	Potential roles of mitochondrial cofactors in the adjuvant mitigation of proinflammatory acute infections, as in the case of sepsis and COVID-19 pneumonia. <i>Inflammation Research</i> , 2021, 70, 159-170.	1.6	17
47	Prospects for nutritional interventions in the clinical management of Fanconi anemia. <i>Cancer Causes and Control</i> , 2000, 11, 881-889.	0.8	15
48	Bauxite manufacturing residues from Gardanne (France) and Portovesme (Italy) exert different patterns of pollution and toxicity to sea urchin embryos. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 1272-1278.	2.2	15
49	Glutathione levels in blood from ataxia telangiectasia patients suggest in vivo adaptive mechanisms to oxidative stress. <i>Clinical Biochemistry</i> , 2007, 40, 666-670.	0.8	15
50	Soil pollution and toxicity in an area affected by emissions from a bauxite processing plant and a power plant in Gardanne (southern France). <i>Ecotoxicology and Environmental Safety</i> , 2019, 170, 55-61.	2.9	14
51	Sea Urchin Bioassays in Toxicity Testing: II. Sediment Evaluation. <i>Expert Opinion on Environmental Biology</i> , 2017, 06, .	0.2	12
52	L-Methionine Induces Stage-Dependent Changes of Differentiation and Oxidative Activity in Sea Urchin Embryogenesis. <i>Basic and Clinical Pharmacology and Toxicology</i> , 1997, 81, 134-143.	0.0	11
53	Oxidative stress biomarkers in four Bloom syndrome (BS) patients and in their parents suggest in vivo redox abnormalities in BS phenotype. <i>Clinical Biochemistry</i> , 2007, 40, 1100-1103.	0.8	11
54	Fanconi anemia (FA) and crosslinker sensitivity: Reappraising the origins of FA definition. <i>Pediatric Blood and Cancer</i> , 2015, 62, 1137-1143.	0.8	11

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55	Topsoil and urban dust pollution and toxicity in Taranto (southern Italy) industrial area and in a residential district. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 43.	1.3	11
56	Friedreich Ataxia: current state-of-the-art, and future prospects for mitochondrial-focused therapies. <i>Translational Research</i> , 2021, 229, 135-141.	2.2	11
57	Cerium, gadolinium, lanthanum, and neodymium effects in simplified acid mine discharges to <i>Raphidocelis subcapitata</i> , <i>Lepidium sativum</i> , and <i>Vicia faba</i> . <i>Science of the Total Environment</i> , 2021, 787, 147527.	3.9	8
58	Evaluation of Rare Earth Element-Associated Hormetic Effects in Candidate Fertilizers and Livestock Feed Additives. <i>Biological Trace Element Research</i> , 2023, 201, 2573-2581.	1.9	8
59	Mitigating the pro-oxidant state and melanogenesis of Retinitis pigmentosa: by counteracting mitochondrial dysfunction. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 7491-7503.	2.4	7
60	Mitoprotective Clinical Strategies in Type 2 Diabetes and Fanconi Anemia Patients: Suggestions for Clinical Management of Mitochondrial Dysfunction. <i>Antioxidants</i> , 2020, 9, 82.	2.2	6
61	Re-definition and supporting evidence toward Fanconi Anemia as a mitochondrial disease: Prospects for new design in clinical management. <i>Redox Biology</i> , 2021, 40, 101860.	3.9	5
62	Complex Mixture-Associated Hormesis and Toxicity: The Case of Leather Tanning Industry. <i>Dose-Response</i> , 2008, 6, dose-response.0.	0.7	4
63	Identification of metabolic changes leading to cancer susceptibility in Fanconi anemia cells. <i>Cancer Letters</i> , 2021, 503, 185-196.	3.2	4
64	Cytogenetic and developmental toxicity of bisphenol A and bisphenol S in <i>Arbacia lixula</i> sea urchin embryos. <i>Ecotoxicology</i> , 2022, 31, 1087-1095.	1.1	3
65	Bauxite manufacturing residues from Gardanne (France) and Portovesme (Italy) exert different patterns of pollution and toxicity to sea urchin embryos. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 1272-8.	2.2	2
66	Oxidative Stress in Cancer-Prone Diseases. , 2006, , 761-788.		0
67	Toxicity evolution of alum-coagulated municipal wastewater to sea urchin embryogenesis and fertilization. <i>Desalination and Water Treatment</i> , 2014, 52, 3004-3011.	1.0	0
68	Biotransformation and Mechanism of Action of Xenobiotics What Lessons from the Past 40 Years?. <i>CRC Series in Modern Nutrition Science</i> , 2004, , .	0.0	0
69	Fanconi Anaemia and Oxidative Stress. , 2006, , 82-91.		0