Maria Giulia Lionetto

List of Publications by Year
in descending order

68	2,283	249298 26	252626 46
papers	citations	h-index	g-index

73	73	73	3214
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Development and characterization of a gold nanoparticles glassy carbon modified electrode for dithiotreitol (DTT) detection suitable to be applied for determination of atmospheric particulate oxidative potential. Analytica Chimica Acta, 2022, 1206, 339556.	2.6	7
2	Autofluorescence of Model Polyethylene Terephthalate Nanoplastics for Cell Interaction Studies. Nanomaterials, 2022, 12, 1560.	1.9	13
3	Oxidative Potential, Cytotoxicity, and Intracellular Oxidative Stress Generating Capacity of PM10: A Case Study in South of Italy. Atmosphere, 2021, 12, 464.	1.0	26
4	Pollution Biomarkers in the Framework of Marine Biodiversity Conservation: State of Art and Perspectives. Water (Switzerland), 2021, 13, 1847.	1.2	23
5	Controlling micropollutants in tertiary municipal wastewater by O3/H2O2, granular biofiltration and UV254/H2O2 for potable reuse applications. Chemosphere, 2020, 239, 124635.	4.2	25
6	Ecotoxicity, genotoxicity, and oxidative potential tests of atmospheric PM10 particles. Atmospheric Environment, 2020, 221, 117085.	1.9	35
7	The colon epithelium as a target for the intracellular antioxidant activity of hydroxytyrosol: A study on rat colon explants. Journal of Functional Foods, 2020, 64, 103604.	1.6	1
8	Concentration Dependence of the Antioxidant and Prooxidant Activity of Trolox in HeLa Cells: Involvement in the Induction of Apoptotic Volume Decrease. Antioxidants, 2020, 9, 1058.	2.2	28
9	Carbonic Anhydrase Sensitivity to Pesticides: Perspectives for Biomarker Development. International Journal of Molecular Sciences, 2020, 21, 3562.	1.8	11
10	Carbonic anhydrase integrated into a multimarker approach for the detection of the stress status induced by pollution exposure in Mytilus galloprovincialis: A field case study. Science of the Total Environment, 2019, 690, 140-150.	3.9	34
11	Effects of short-term and long-term exposure to ocean acidification on carbonic anhydrase activity and morphometric characteristics in the invasive polychaete Branchiomma boholense (Annelida:) Tj ETQq1 1 0.784314 rgBT /Overloc	1.1	1
12	Correlation of Oxidative Potential with Ecotoxicological and Cytotoxicological Potential of PM10 at an Urban Background Site in Italy. Atmosphere, 2019, 10, 733.	1.0	19
13	Pollution Biomarkers in Environmental and Human Biomonitoring. Open Biomarkers Journal, 2019, 9, 1-9.	0.1	43
14	Effect of the flame retardant tris (1,3-dichloro-2-propyl) phosphate (TDCPP) on Na+-K+-ATPase and Clâ¯ transport in HeLa cells. Toxicology Mechanisms and Methods, 2018, 28, 599-606.	1.3	4
15	Functional Involvement of Carbonic Anhydrase in the Lysosomal Response to Cadmium Exposure in Mytilus galloprovincialis Digestive Gland. Frontiers in Physiology, 2018, 9, 319.	1.3	18
16	Photoâ€crosslinked poly(ethylene glycol) diacrylate (<scp>PEGDA</scp>) hydrogels from low molecular weight prepolymer: Swelling and permeation studies. Journal of Applied Polymer Science, 2017, 134, .	1.3	92
17	The Complex Relationship between Metals and Carbonic Anhydrase: New Insights and Perspectives. International Journal of Molecular Sciences, 2016, 17, 127.	1.8	66
18	Intracellular Antioxidant Activity of Grape Skin Polyphenolic Extracts in Rat Superficial Colonocytes: In situ Detection by Confocal Fluorescence Microscopy. Frontiers in Physiology, 2016, 7, 177.	1.3	4

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19	Biomonitoring of water and soil quality: a case study of ecotoxicological methodology application to the assessment of reclaimed agroindustrial wastewaters used for irrigation. Rendiconti Lincei, 2016, 27, 105-112.	1.0	20
20	Mercury induced haemocyte alterations in the terrestrial snail Cantareus apertus as novel biomarker. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2016, 183-184, 20-27.	1.3	10
21	Multibiomarker response in the earthworm Eisenia fetida as tool for assessing multi-walled carbon nanotube ecotoxicity. Ecotoxicology, 2016, 25, 677-687.	1.1	45
22	Antioxidant and oxidative stress related responses in the Mediterranean land snail Cantareus apertus exposed to the carbamate pesticide Carbaryl. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2015, 168, 20-27.	1.3	22
23	Metallothionein Induction in the Coelomic Fluid of the EarthwormLumbricus terrestrisfollowing Heavy Metal Exposure: A Short Report. BioMed Research International, 2014, 2014, 1-6.	0.9	23
24	Integrated biomarker analysis in the earthworm Lumbricus terrestris: Application to the monitoring of soil heavy metal pollution. Chemosphere, 2013, 90, 2637-2644.	4.2	65
25	Acetylcholinesterase as a Biomarker in Environmental and Occupational Medicine: New Insights and Future Perspectives. BioMed Research International, 2013, 2013, 1-8.	0.9	286
26	Cell Volume Regulation and Apoptotic Volume Decrease in Rat Distal Colon Superficial Enterocytes. Cellular Physiology and Biochemistry, 2013, 32, 1551-1565.	1.1	12
27	Effect of heavy metal exposure on blood hemoglobin in Lumbricus terrestris. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2012, 163, S46.	0.8	0
28	Subtle Effects of Biological Invasions: Cellular and Physiological Responses of Fish Eating the Exotic Pest Caulerpa racemosa. PLoS ONE, 2012, 7, e38763.	1.1	43
29	Carbonic Anhydrase as Pollution Biomarker: An Ancient Enzyme with a New Use. International Journal of Environmental Research and Public Health, 2012, 9, 3965-3977.	1.2	56
30	Carbonic Anhydrase and Heavy Metals. , 2012, , .		3
31	Earthworm Biomarkers as Tools for Soil Pollution Assessment. , 2012, , .		6
32	Biomarker Approach in Marine Monitoring and Assessment: New Insights and Perspectives. Open Environmental Sciences, 2012, 6, 20-27.	0.8	41
33	Detrimental physiological effects of the invasive alga Caulerpa racemosa on the Mediterranean white seabream Diplodus sargus. Aquatic Biology, 2011, 12, 109-117.	0.5	53
34	Biomarker response in the earthworm Lumbricus terrestris exposed to chemical pollutants. Science of the Total Environment, 2011, 409, 4456-4464.	3.9	73
35	Effect of heavy metal exposure on blood haemoglobin concentration and methemoglobin percentage in Lumbricus terrestris. Ecotoxicology, 2011, 20, 847-854.	1.1	23
36	Effect of the Daily Ingestion of a Purified Anthocyanin Extract From Grape Skin on Rat Serum Antioxidant Capacity. Physiological Research, 2011, 60, 637-645.	0.4	9

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37	Fluorimetric Analysis of Copper Transport Mechanisms in the B104 Neuroblastoma Cell Model: A Contribution from Cellular Prion Protein to Copper Supplying. Journal of Membrane Biology, 2010, 233, 13-21.	1.0	11
38	Potential toxicicty and genotoxicity of soils around a high impacted site. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2010, 157, S34.	0.8	0
39	Carbonic anhydrase activity in Mytilus galloprovincialis digestive gland: Sensitivity to heavy metal exposure. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2010, 152, 241-247.	1.3	18
40	Role of BK Channels in the Apoptotic Volume Decrease in Native Eel Intestinal Cells. Cellular Physiology and Biochemistry, 2010, 25, 733-744.	1.1	16
41	Seasonal variation of biomarkers inMytilus galloprovincialissampled inside and outside Mar Piccolo of Taranto (Italy). Chemistry and Ecology, 2010, 26, 143-153.	0.6	9
42	Pollutant-induced alterations of granulocyte morphology in the earthworm Eisenia foetida. Ecotoxicology and Environmental Safety, 2009, 72, 1369-1377.	2.9	37
43	Confocal Microscopy Evidence of Prion Protein Fragment hPrP[173-195] Internalization in Rat B104 Neuroblastoma Cell Line. Protein and Peptide Letters, 2009, 16, 1281-1290.	0.4	1
44	An innovative method for the purification of anthocyanins from grape skin extracts by using liquid and sub-critical carbon dioxide. Separation and Purification Technology, 2008, 64, 192-197.	3.9	90
45	Morphometric alterations in Mytilus galloprovincialis granulocytes: A new biomarker. Environmental Toxicology and Chemistry, 2008, 27, 1435-1441.	2.2	34
46	Effect of toxicants on earthworm haemoglobin levels. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2008, 151, S48-S49.	0.8	0
47	Molecular and Functional Expression of High Conductance Ca²⁺ Activated K⁺ Channels in the Eel Intestinal Epithelium. Cellular Physiology and Biochemistry, 2008, 21, 373-384.	1.1	14
48	MORPHOMETRIC ALTERATIONS IN Mytilus galloprovincialis GRANULOCYTES: A NEW BIOMARKER. Environmental Toxicology and Chemistry, 2007, preprint, 1.	2.2	9
49	Potential application of carbonic anhydrase activity in bioassay and biomarker studies. Chemistry and Ecology, 2006, 22, S119-S125.	0.6	23
50	The Na+-K+-2Cl- cotransporter and the osmotic stress response in a model salt transport epithelium. Acta Physiologica, 2006, 187, 115-124.	1.8	27
51	A cellulose-based hydrogel as a potential bulking agent for hypocaloric diets: Anin vitro biocompatibility study on rat intestine. Journal of Applied Polymer Science, 2006, 102, 1524-1530.	1.3	51
52	Carbonic anhydrase-based environmental bioassay. International Journal of Environmental Analytical Chemistry, 2005, 85, 895-903.	1.8	15
53	Hypotonicity induced K+ and anion conductive pathways activation in eel intestinal epithelium. Journal of Experimental Biology, 2005, 208, 749-760.	0.8	27
54	Biomarker application for the study of chemical contamination risk on marine organisms in the taranto marine coastal area. Chemistry and Ecology, 2004, 20, 333-343.	0.6	32

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55	Integrated use of biomarkers (acetylcholinesterase and antioxidant enzymes activities) in Mytilus galloprovincialis and Mullus barbatus in an Italian coastal marine area. Marine Pollution Bulletin, 2003, 46, 324-330.	2.3	235
56	Cl? absorption in European eel intestine and its regulation. The Journal of Experimental Zoology, 2003, 300A, 63-68.	1.4	25
57	Roles of the Cytoskeleton and of Protein Phosphorylation Events in the Osmotic Stress Response in EEL Intestinal Epithelium. Cellular Physiology and Biochemistry, 2002, 12, 163-178.	1.1	46
58	Hypertonicity Stimulates Cl^{â€“} Transport in the Intestine of Fresh Water Acclimated EEL, Anguilla Anguilla. Cellular Physiology and Biochemistry, 2001, 11, 41-54.	1.1	27
59	Ca ++ regulation of paracellular permeability in the middle intestine of the eel, Anguilla anguilla. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2001, 171, 85-90.	0.7	10
60	Biomonitoring of heavy metal contamination along the Salento coast (Italy) by metallothionein evaluation inMytilus galloprovincialis andMullus barbatus. Aquatic Conservation: Marine and Freshwater Ecosystems, 2001, 11, 305-310.	0.9	37
61	Biomarkers in the Teleost Fish Diplodus puntazzo: a Study on Animals from an Unpolluted Environment (Brackish Water Pond Acquatina-Lecce, Italy). , 2001, , 77-84.		1
62	Protective effects of prostaglandins in the isolated gastric mucosa of the eel, Anguilla anguilla. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2000, 170, 357-363.	0.7	6
63	Effect of cadmium and zinc on the Na+/H+ exchanger present on the brush border membrane vesicles isolated from eel kidney tubular cells. Aquatic Toxicology, 2000, 48, 25-36.	1.9	11
64	Inhibition of eel enzymatic activities by cadmium. Aquatic Toxicology, 2000, 48, 561-571.	1.9	104
65	Effect of cadmium on carbonic anhydrase and Na+-K+-ATPase in eel, Anguilla anguilla, intestine and gills. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 1998, 120, 89-91.	0.8	50
66	Effects of CdCl2 on electrophysiological parameters in the intestine of the teleost fish, Anguilla anguilla. Aquatic Toxicology, 1998, 41, 251-264.	1.9	24
67	Bicarbonate absorption in eel intestine: Evidence for the presence of membrane-bound carbonic anhydrase on the brush border membranes of the enterocyte. , 1996, 275, 365-373.		17
68	Differences in intestinal electrophysiological parameters and nutrient transport rates between eels (Anguilla anguilla) at yellow and silver stages. , 1996, 275, 399-405.		14