

Maria Giulia Lionetto

List of Publications by Year in descending order

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68
papers

2,283
citations

218677

26
h-index

223800

46
g-index

73
all docs

73
docs citations

73
times ranked

2930
citing authors

#	ARTICLE	IF	CITATIONS
1	Acetylcholinesterase as a Biomarker in Environmental and Occupational Medicine: New Insights and Future Perspectives. <i>BioMed Research International</i> , 2013, 2013, 1-8.	1.9	286
2	Integrated use of biomarkers (acetylcholinesterase and antioxidant enzymes activities) in <i>Mytilus galloprovincialis</i> and <i>Mullus barbatus</i> in an Italian coastal marine area. <i>Marine Pollution Bulletin</i> , 2003, 46, 324-330.	5.0	235
3	Inhibition of eel enzymatic activities by cadmium. <i>Aquatic Toxicology</i> , 2000, 48, 561-571.	4.0	104
4	Photo-crosslinked poly(ethylene glycol) diacrylate (<scp>PEGDA</scp>) hydrogels from low molecular weight prepolymer: Swelling and permeation studies. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	2.6	92
5	An innovative method for the purification of anthocyanins from grape skin extracts by using liquid and sub-critical carbon dioxide. <i>Separation and Purification Technology</i> , 2008, 64, 192-197.	7.9	90
6	Biomarker response in the earthworm <i>Lumbricus terrestris</i> exposed to chemical pollutants. <i>Science of the Total Environment</i> , 2011, 409, 4456-4464.	8.0	73
7	The Complex Relationship between Metals and Carbonic Anhydrase: New Insights and Perspectives. <i>International Journal of Molecular Sciences</i> , 2016, 17, 127.	4.1	66
8	Integrated biomarker analysis in the earthworm <i>Lumbricus terrestris</i> : Application to the monitoring of soil heavy metal pollution. <i>Chemosphere</i> , 2013, 90, 2637-2644.	8.2	65
9	Carbonic Anhydrase as Pollution Biomarker: An Ancient Enzyme with a New Use. <i>International Journal of Environmental Research and Public Health</i> , 2012, 9, 3965-3977.	2.6	56
10	Detrimental physiological effects of the invasive alga <i>Caulerpa racemosa</i> on the Mediterranean white seabream <i>Diplodus sargus</i> . <i>Aquatic Biology</i> , 2011, 12, 109-117.	1.4	53
11	A cellulose-based hydrogel as a potential bulking agent for hypocaloric diets: An in vitro biocompatibility study on rat intestine. <i>Journal of Applied Polymer Science</i> , 2006, 102, 1524-1530.	2.6	51
12	Effect of cadmium on carbonic anhydrase and Na ⁺ -K ⁺ -ATPase in eel, <i>Anguilla anguilla</i> , intestine and gills. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 1998, 120, 89-91.	1.8	50
13	Roles of the Cytoskeleton and of Protein Phosphorylation Events in the Osmotic Stress Response in EEL Intestinal Epithelium. <i>Cellular Physiology and Biochemistry</i> , 2002, 12, 163-178.	1.6	46
14	Multibiomarker response in the earthworm <i>Eisenia fetida</i> as tool for assessing multi-walled carbon nanotube ecotoxicity. <i>Ecotoxicology</i> , 2016, 25, 677-687.	2.4	45
15	Subtle Effects of Biological Invasions: Cellular and Physiological Responses of Fish Eating the Exotic Pest <i>Caulerpa racemosa</i> . <i>PLoS ONE</i> , 2012, 7, e38763.	2.5	43
16	Pollution Biomarkers in Environmental and Human Biomonitoring. <i>Open Biomarkers Journal</i> , 2019, 9, 1-9.	0.1	43
17	Biomarker Approach in Marine Monitoring and Assessment: New Insights and Perspectives. <i>Open Environmental Sciences</i> , 2012, 6, 20-27.	0.8	41
18	Biomonitoring of heavy metal contamination along the Salento coast (Italy) by metallothionein evaluation in <i>Mytilus galloprovincialis</i> and <i>Mullus barbatus</i> . <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2001, 11, 305-310.	2.0	37

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19	Pollutant-induced alterations of granulocyte morphology in the earthworm <i>Eisenia foetida</i> . <i>Ecotoxicology and Environmental Safety</i> , 2009, 72, 1369-1377.	6.0	37
20	Ecotoxicity, genotoxicity, and oxidative potential tests of atmospheric PM10 particles. <i>Atmospheric Environment</i> , 2020, 221, 117085.	4.1	35
21	Morphometric alterations in <i>Mytilus galloprovincialis</i> granulocytes: A new biomarker. <i>Environmental Toxicology and Chemistry</i> , 2008, 27, 1435-1441.	4.3	34
22	Carbonic anhydrase integrated into a multimarker approach for the detection of the stress status induced by pollution exposure in <i>Mytilus galloprovincialis</i> : A field case study. <i>Science of the Total Environment</i> , 2019, 690, 140-150.	8.0	34
23	Biomarker application for the study of chemical contamination risk on marine organisms in the taranto marine coastal area. <i>Chemistry and Ecology</i> , 2004, 20, 333-343.	1.6	32
24	Concentration Dependence of the Antioxidant and Prooxidant Activity of Trolox in HeLa Cells: Involvement in the Induction of Apoptotic Volume Decrease. <i>Antioxidants</i> , 2020, 9, 1058.	5.1	28
25	Hypertonicity Stimulates Cl ⁻ Transport in the Intestine of Fresh Water Acclimated EEL, <i>Anguilla Anguilla</i> . <i>Cellular Physiology and Biochemistry</i> , 2001, 11, 41-54.	1.6	27
26	Hypotonicity induced K ⁺ and anion conductive pathways activation in eel intestinal epithelium. <i>Journal of Experimental Biology</i> , 2005, 208, 749-760.	1.7	27
27	The Na ⁺ -K ⁺ -2Cl ⁻ cotransporter and the osmotic stress response in a model salt transport epithelium. <i>Acta Physiologica</i> , 2006, 187, 115-124.	3.8	27
28	Oxidative Potential, Cytotoxicity, and Intracellular Oxidative Stress Generating Capacity of PM10: A Case Study in South of Italy. <i>Atmosphere</i> , 2021, 12, 464.	2.3	26
29	Cl ⁻ absorption in European eel intestine and its regulation. <i>The Journal of Experimental Zoology</i> , 2003, 300A, 63-68.	1.4	25
30	Controlling micropollutants in tertiary municipal wastewater by O ₃ /H ₂ O ₂ , granular biofiltration and UV254/H ₂ O ₂ for potable reuse applications. <i>Chemosphere</i> , 2020, 239, 124635.	8.2	25
31	Effects of CdCl ₂ on electrophysiological parameters in the intestine of the teleost fish, <i>Anguilla anguilla</i> . <i>Aquatic Toxicology</i> , 1998, 41, 251-264.	4.0	24
32	Potential application of carbonic anhydrase activity in bioassay and biomarker studies. <i>Chemistry and Ecology</i> , 2006, 22, S119-S125.	1.6	23
33	Effect of heavy metal exposure on blood haemoglobin concentration and methemoglobin percentage in <i>Lumbricus terrestris</i> . <i>Ecotoxicology</i> , 2011, 20, 847-854.	2.4	23
34	Metallothionein Induction in the Coelomic Fluid of the Earthworm <i>Lumbricus terrestris</i> following Heavy Metal Exposure: A Short Report. <i>BioMed Research International</i> , 2014, 2014, 1-6.	1.9	23
35	Pollution Biomarkers in the Framework of Marine Biodiversity Conservation: State of Art and Perspectives. <i>Water (Switzerland)</i> , 2021, 13, 1847.	2.7	23
36	Antioxidant and oxidative stress related responses in the Mediterranean land snail <i>Cantareus apertus</i> exposed to the carbamate pesticide Carbaryl. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2015, 168, 20-27.	2.6	22

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37	Biomonitoring of water and soil quality: a case study of ecotoxicological methodology application to the assessment of reclaimed agroindustrial wastewaters used for irrigation. <i>Rendiconti Lincei</i> , 2016, 27, 105-112.	2.2	20
38	Correlation of Oxidative Potential with Ecotoxicological and Cytotoxicological Potential of PM10 at an Urban Background Site in Italy. <i>Atmosphere</i> , 2019, 10, 733.	2.3	19
39	Carbonic anhydrase activity in <i>Mytilus galloprovincialis</i> digestive gland: Sensitivity to heavy metal exposure. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2010, 152, 241-247.	2.6	18
40	Functional Involvement of Carbonic Anhydrase in the Lysosomal Response to Cadmium Exposure in <i>Mytilus galloprovincialis</i> Digestive Gland. <i>Frontiers in Physiology</i> , 2018, 9, 319.	2.8	18
41	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
42	Role of BK Channels in the Apoptotic Volume Decrease in Native Eel Intestinal Cells. <i>Cellular Physiology and Biochemistry</i> , 2010, 25, 733-744.	1.6	16
43	Carbonic anhydrase-based environmental bioassay. <i>International Journal of Environmental Analytical Chemistry</i> , 2005, 85, 895-903.	3.3	15
44	Differences in intestinal electrophysiological parameters and nutrient transport rates between eels (<i>Anguilla anguilla</i>) at yellow and silver stages. , 1996, 275, 399-405.		14
45	Molecular and Functional Expression of High Conductance Ca^{2+} and K^{+} Channels in the Eel Intestinal Epithelium. <i>Cellular Physiology and Biochemistry</i> , 2008, 21, 373-384.	1.6	14
46	Autofluorescence of Model Polyethylene Terephthalate Nanoplastics for Cell Interaction Studies. <i>Nanomaterials</i> , 2022, 12, 1560.	4.1	13
47	Cell Volume Regulation and Apoptotic Volume Decrease in Rat Distal Colon Superficial Enterocytes. <i>Cellular Physiology and Biochemistry</i> , 2013, 32, 1551-1565.	1.6	12
48	Effect of cadmium and zinc on the Na^{+}/H^{+} exchanger present on the brush border membrane vesicles isolated from eel kidney tubular cells. <i>Aquatic Toxicology</i> , 2000, 48, 25-36.	4.0	11
49	Fluorimetric Analysis of Copper Transport Mechanisms in the B104 Neuroblastoma Cell Model: A Contribution from Cellular Prion Protein to Copper Supplying. <i>Journal of Membrane Biology</i> , 2010, 233, 13-21.	2.1	11
50	Carbonic Anhydrase Sensitivity to Pesticides: Perspectives for Biomarker Development. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3562.	4.1	11
51	Ca^{++} regulation of paracellular permeability in the middle intestine of the eel, <i>Anguilla anguilla</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2001, 171, 85-90.	1.5	10
52	Mercury induced haemocyte alterations in the terrestrial snail <i>Cantareus apertus</i> as novel biomarker. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2016, 183-184, 20-27.	2.6	10
53	Seasonal variation of biomarkers in <i>Mytilus galloprovincialis</i> sampled inside and outside Mar Piccolo of Taranto (Italy). <i>Chemistry and Ecology</i> , 2010, 26, 143-153.	1.6	9
54	MORPHOMETRIC ALTERATIONS IN <i>Mytilus galloprovincialis</i> GRANULOCYTES: A NEW BIOMARKER. <i>Environmental Toxicology and Chemistry</i> , 2007, preprint, 1.	4.3	9

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55	Effect of the Daily Ingestion of a Purified Anthocyanin Extract From Grape Skin on Rat Serum Antioxidant Capacity. <i>Physiological Research</i> , 2011, 60, 637-645.	0.9	9
56	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. <i>Analytica Chimica Acta</i> , 2022, 1206, 339556.	5.4	7
57	Protective effects of prostaglandins in the isolated gastric mucosa of the eel, <i>Anguilla anguilla</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2000, 170, 357-363.	1.5	6
58	Earthworm Biomarkers as Tools for Soil Pollution Assessment. , 2012, , .		6
59	Effects of short-term and long-term exposure to ocean acidification on carbonic anhydrase activity and morphometric characteristics in the invasive polychaete <i>Branchiommma boholense</i> (Annelida: Tj ETQq1 1 0.784354 rgBT kOverlock	0.784354	1
60	Intracellular Antioxidant Activity of Grape Skin Polyphenolic Extracts in Rat Superficial Colonocytes: In situ Detection by Confocal Fluorescence Microscopy. <i>Frontiers in Physiology</i> , 2016, 7, 177.	2.8	4
61	Effect of the flame retardant tris (1,3-dichloro-2-propyl) phosphate (TDCPP) on Na ⁺ -K ⁺ -ATPase and Cl ⁻ transport in HeLa cells. <i>Toxicology Mechanisms and Methods</i> , 2018, 28, 599-606.	2.7	4
62	Carbonic Anhydrase and Heavy Metals. , 2012, , .		3
63	Confocal Microscopy Evidence of Prion Protein Fragment hPrP[173-195] Internalization in Rat B104 Neuroblastoma Cell Line. <i>Protein and Peptide Letters</i> , 2009, 16, 1281-1290.	0.9	1
64	The colon epithelium as a target for the intracellular antioxidant activity of hydroxytyrosol: A study on rat colon explants. <i>Journal of Functional Foods</i> , 2020, 64, 103604.	3.4	1
65	Biomarkers in the Teleost Fish <i>Diplodus puntazzo</i> : a Study on Animals from an Unpolluted Environment (Brackish Water Pond Acquatina-Lecce, Italy). , 2001, , 77-84.		1
66	Effect of toxicants on earthworm haemoglobin levels. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2008, 151, S48-S49.	1.8	0
67	Potential toxicity and genotoxicity of soils around a high impacted site. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2010, 157, S34.	1.8	0
68	Effect of heavy metal exposure on blood hemoglobin in <i>Lumbricus terrestris</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2012, 163, S46.	1.8	0