Rosario Planell

List of Publications by Citations

24 papers	731 citations	15 h-index	25 g-index
25 ext. papers	841 ext. citations	7 avg, IF	4.1 L-index

#	Paper	IF	Citations
24	The endocrine disruptor bisphenol A increases the expression of HSP70 and ecdysone receptor genes in the aquatic larvae of Chironomus riparius. *Chemosphere*, **2008**, 71, 1870-6	8.4	95
23	Comparative effects of butyl benzyl phthalate (BBP) and di(2-ethylhexyl) phthalate (DEHP) on the aquatic larvae of Chironomus riparius based on gene expression assays related to the endocrine system, the stress response and ribosomes. *Aquatic Toxicology*, **2011**, 105, 62-70	5.1	91
22	Effect of acute exposure to cadmium on the expression of heat-shock and hormone-nuclear receptor genes in the aquatic midge Chironomus riparius. *Science of the Total Environment*, **2010**, 408, 1598-603	10.2	64
21	Characterization of Hsp70 gene in Chironomus riparius: expression in response to endocrine disrupting pollutants as a marker of ecotoxicological stress. *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2011**, 153, 150-8	3.2	57
20	The plasticizer benzyl butyl phthalate (BBP) alters the ecdysone hormone pathway, the cellular response to stress, the energy metabolism, and several detoxication mechanisms in Chironomus riparius larvae. *Chemosphere*, **2015**, 128, 266-77	8.4	51
19	Ribosomal genes as early targets of cadmium-induced toxicity in Chironomus riparius larvae. *Science of the Total Environment*, **2007**, 373, 113-21	10.2	48
18	Drosophila telomeric retrotransposons derived from an ancestral element that was recruited to replace telomerase. *Genome Research*, **2007**, 17, 1909-18	9.7	48
17	Transcriptional changes induced by in vivo exposure to pentachlorophenol (PCP) in Chironomus riparius (Diptera) aquatic larvae. *Aquatic Toxicology*, **2014**, 157, 1-9	5.1	39
16	Characterization and expression during development and under environmental stress of the genes encoding ribosomal proteins L11 and L13 in Chironomus riparius. *Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology*, **2007**, 147, 590-6	2.3	35
15	The BPA-substitute bisphenol S alters the transcription of genes related to endocrine, stress response and biotransformation pathways in the aquatic midge Chironomus riparius (Diptera, Chironomidae). *PLoS ONE*, **2018**, 13, e0193387	3.7	35
14	Transcriptional responses, metabolic activity and mouthpart deformities in natural populations of Chironomus riparius larvae exposed to environmental pollutants. *Environmental Toxicology*, **2015**, 30, 383-95	4.2	28
13	Overexpression of long non-coding RNAs following exposure to xenobiotics in the aquatic midge Chironomus riparius. *Aquatic Toxicology*, **2012**, 110-111, 84-90	5.1	26
12	Chironomus riparius exposure to field-collected contaminated sediments: From subcellular effect to whole-organism response. *Science of the Total Environment*, **2019**, 671, 874-882	10.2	24
11	Transcriptional deregulation of genetic biomarkers in Chironomus riparius larvae exposed to ecologically relevant concentrations of di(2-ethylhexyl) phthalate (DEHP). *PLoS ONE*, **2017**, 12, e0171719	3.7	24
10	Exposure to heavy metal-contaminated sediments disrupts gene expression, lipid profile, and life history traits in the midge Chironomus riparius. *Water Research*, **2020**, 168, 115165	12.5	17
9	Ecdysone-Related Biomarkers of Toxicity in the Model Organism Chironomus riparius: Stage and Sex-Dependent Variations in Gene Expression Profiles. *PLoS ONE*, **2015**, 10, e0140239	3.7	15
8	The ribosome biogenesis pathway as an early target of benzyl butyl phthalate (BBP) toxicity in Chironomus riparius larvae. *Chemosphere*, **2016**, 144, 1874-84	8.4	15

7	Complex patterns in tolerance and resistance to pests and diseases underpin the domestication of tomato. *New Phytologist*, **2020**, 226, 254-266	9.8	7
6	Single and mixed exposure to cadmium and mercury in Drosophila melanogaster: Molecular responses and impact on post-embryonic development. *Ecotoxicology and Environmental Safety*, **2021**, 220, 112377	7	5
5	Developmental/reproductive effects and gene expression variations in Chironomus riparius after exposure to reclaimed water and its fortification with carbamazepine and triclosan. *Water Research* , **2020**, 178, 115790	12.5	4
4	Prodiamesa olivacea: de novo biomarker genes in a potential sentinel organism for ecotoxicity studies in natural scenarios. *Aquatic Toxicology*, **2020**, 227, 105593	5.1	2
3	Characterization of the detrimental effects of type IV glandular trichomes on the aphid Macrosiphum euphorbiae in tomato. *Pest Management Science*, **2021**, 77, 4117-4127	4.6	1
2	Genotoxic effects and transcriptional deregulation of genetic biomarkers in Chironomus riparius larvae exposed to hydroxyl- and amine-terminated generation 3 (G3) polyamidoamine (PAMAM) dendrimers. *Science of the Total Environment*, **2021**, 774, 145828	10.2	0
1	How to thrive in unstable environments: Gene expression profile of a riparian earthworm under abiotic stress.. *Science of the Total Environment*, **2022**, 152749	10.2	