Urtzi Izagirre

List of Publications by Year
in descending order

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59 papers	1,285 citations	331670 21 h-index	377865 34 g-index
61 all docs	61 docs citations	61 times ranked	1408 citing authors

#	Article	IF	Citations
1	Marine ecosystem health status assessment through integrative biomarker indices: a comparative study after the Prestige oil spill â€œMussel Watchâ€• Ecotoxicology, 2013, 22, 486-505.	2.4	135
2	Combined use of native and caged mussels to assess biological effects of pollution through the integrative biomarker approach. Aquatic Toxicology, 2013, 136-137, 32-48.	4.0	97
3	Effects of exposure to Prestige-like heavy fuel oil and to perfluorooctane sulfonate on conventional biomarkers and target gene transcription in the thicklip grey mullet Chelon labrosus. Aquatic Toxicology, 2010, 98, 282-296.	4.0	73
4	Lysosomal enlargement and lysosomal membrane destabilisation in mussel digestive cells measured by an integrative index. Environmental Pollution, 2009, 157, 1544-1553.	7.5	58
5	Integrated biomarker assessment of the effects exerted by treated produced water from an onshore natural gas processing plant in the North Sea on the mussel Mytilus edulis. Marine Pollution Bulletin, 2011, 62, 327-339.	5.0	58
6	Combined effects of thermal stress and Cd on lysosomal biomarkers and transcription of genes encoding lysosomal enzymes and HSP70 in mussels, Mytilus galloprovincialis. Aquatic Toxicology, 2014, 149, 145-156.	4.0	57
7	Season-dependent effects of elevated temperature on stress biomarkers, energy metabolism and gamete development in mussels. Marine Environmental Research, 2015, 103, 1-10.	2.5	56
8	Signs of recovery of mussels health two years after the Prestige oil spill. Marine Environmental Research, 2006, 62, S337-S341.	2.5	44
9	Assessment of ecosystem health disturbance in mangrove-lined Caribbean coastal systems using the oyster Crassostrea rhizophorae as sentinel species. Science of the Total Environment, 2018, 618, 718-735.	8.0	39
10	Digestive cell lysosomes as main targets for Ag accumulation and toxicity in marine mussels, Mytilus galloprovincialis, exposed to maltose-stabilised Ag nanoparticles of different sizes. Nanotoxicology, 2017, 11, 168-183.	3.0	38
11	Differences in copper bioaccumulation and biological responses in three Mytilus species. Aquatic Toxicology, 2015, 160, 1-12.	4.0	33
12	Natural variability in size and membrane stability of lysosomes in mussel digestive cells: seasonal and tidal zonation. Marine Ecology - Progress Series, 2008, 372, 105-117.	1.9	33
13	Lysosomal and tissue-level biomarkers in mussels cross-transplanted among four estuaries with different pollution levels. Science of the Total Environment, 2014, 472, 36-48.	8.0	27
14	Influence of season-depending ecological variables on biomarker baseline levels in mussels (Mytilus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	8.0	27
15	Chronic environmental stress enhances tolerance to seasonal gradual warming in marine mussels. PLoS ONE, 2017, 12, e0174359.	2.5	27
16	Interactive effects of osmotic stress and burrowing activity on protein metabolism and muscle capacity in the soft shell clam Mya arenaria. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2019, 228, 81-93.	1.8	26
17	Successive Onset of Molecular, Cellular and Tissue-Specific Responses in Midgut Gland of Littorina littorea Exposed to Sub-Lethal Cadmium Concentrations. International Journal of Molecular Sciences, 2017, 18, 1815.	4.1	25
18	Health status assessment through an integrative biomarker approach in mussels of different ages with a different history of exposure to the Prestige oil spill. Science of the Total Environment, 2014, 493, 65-78.	8.0	24

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19	A paradigm shift in safe seafood production: From contaminant detection to fish monitoring â€“ Application of biological warning systems to aquaculture. Trends in Food Science and Technology, 2015, 43, 104-113.	15.1	23
20	Biotransformation of 8:2 polyfluoroalkyl phosphate diester in gilthead bream (Sparus aurata). Science of the Total Environment, 2017, 609, 1085-1092.	8.0	23
21	Application of a battery of biomarkers in mussel digestive gland to assess long-term effects of the Prestige oil spill in Galicia and the Bay of Biscay: Lysosomal responses. Journal of Environmental Monitoring, 2011, 13, 901.	2.1	21
22	Prospective biomonitor and sentinel bivalve species for pollution monitoring and ecosystem health disturbance assessment in mangroveâ€“lined Nicaraguan coasts. Science of the Total Environment, 2019, 649, 186-200.	8.0	21
23	Lysosomal enlargement in digestive cells of mussels exposed to cadmium, benzo[a]pyrene and their combination. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2005, 141, 188-193.	2.6	20
24	Bioconcentration and Biotransformation of Amitriptyline in Gilt-Head Bream. Environmental Science & Technology, 2017, 51, 2464-2471.	10.0	20
25	Integrative biomarker assessment of the effects of chemically and mechanically dispersed crude oil in Pacific oysters, Crassostrea gigas. Science of the Total Environment, 2017, 598, 713-721.	8.0	20
26	The influence of short-term experimental fasting on biomarker responsiveness in oil WAF exposed mussels. Aquatic Toxicology, 2019, 206, 164-175.	4.0	20
27	Study of bioconcentration of oxybenzone in gilt-head bream and characterization of its by-products. Chemosphere, 2018, 208, 399-407.	8.2	19
28	Application of the Sea Urchin Embryo Test in Toxicity Evaluation and Effect-Directed Analysis of Wastewater Treatment Plant Effluents. Environmental Science & Technology, 2020, 54, 8890-8899.	10.0	19
29	Lysosomal responses to heat-shock of seasonal temperature extremes in Cd-exposed mussels. Aquatic Toxicology, 2015, 164, 99-107.	4.0	16
30	Tracing platinum accumulation kinetics in oyster Crassostrea gigas, a sentinel species in coastal marine environments. Science of the Total Environment, 2018, 615, 652-663.	8.0	15
31	Sex and sex-related differences in gamete development progression impinge on biomarker responsiveness in sentinel mussels. Science of the Total Environment, 2020, 740, 140178.	8.0	15
32	Collection and transport of sentinel mussels in biomarker-based coastal pollution monitoring: Current flaws and reliable practices. Ecological Indicators, 2019, 103, 722-734.	6.3	13
33	Influence of dispersant application on the toxicity to sea urchin embryos of crude and bunker oils representative of prospective oil spill threats in Arctic and Sub-Arctic seas. Marine Pollution Bulletin, 2021, 172, 112922.	5.0	13
34	Î²-Glucuronidase and hexosaminidase are marker enzymes for different compartments of the endo-lysosomal system in mussel digestive cells. Cell and Tissue Research, 2009, 335, 441-454.	2.9	11
35	Amitriptyline at an Environmentally Relevant Concentration Alters the Profile of Metabolites Beyond Monoamines in Giltâ€Head Bream. Environmental Toxicology and Chemistry, 2019, 38, 965-977.	4.3	11
36	Multi-annual survey of health status disturbance in the Bilbao estuary (Bay of Biscay) based on sediment chemistry and juvenile sole (Solea spp.) histopathology. Marine Pollution Bulletin, 2019, 145, 126-137.	5.0	11

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37	Time-course study of the early lysosomal responses to pollutants in mussel digestive cells using acid phosphatase as lysosomal marker enzyme. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2009, 149, 587-597.	2.6	9
38	Lysosomal responses to different gold forms (nanoparticles, aqueous, bulk) in mussel digestive cells: a trade-off between the toxicity of the capping agent and form, size and exposure concentration. Nanotoxicology, 2017, 11, 658-670.	3.0	9
39	Effects of dietary Pb and Cd and their combination on lysosomal and tissue-level biomarkers and histopathology in digestive gland of the land snail, Cantareus apertus (Born, 1778). Ecotoxicology and Environmental Safety, 2018, 156, 301-310.	6.0	9
40	Food-type may jeopardize biomarker interpretation in mussels used in aquatic toxicological experimentation. PLoS ONE, 2019, 14, e0220661.	2.5	8
41	Differences in chemical contaminants bioaccumulation and ecotoxicology biomarkers in Mytilus edulis and Mytilus galloprovincialis and their hybrids. Environmental Pollution, 2022, 292, 118328.	7.5	7
42	Enhanced discrimination of basophilic cells on mussel digestive gland tissue sections by means of toluidine-eosin staining. Journal of Invertebrate Pathology, 2019, 161, 29-39.	3.2	6
43	Organotropism and biomarker response in oyster Crassostrea gigas exposed to platinum in seawater. Environmental Science and Pollution Research, 2020, 27, 3584-3599.	5.3	6
44	Biological responses and toxicopathic effects elicited in Solea senegalensis juveniles on exposure to contaminated sediments under laboratory conditions. Science of the Total Environment, 2020, 731, 138849.	8.0	6
45	Biological responses and toxicopathic effects elicited in Solea senegalensis juveniles by waterborne exposure to benzo[a]pyrene. Marine Environmental Research, 2021, 170, 105351.	2.5	6
46	Integrated biological response to environmentally-relevant concentration of amitriptyline in Sparus aurata. Ecological Indicators, 2021, 130, 108028.	6.3	6
47	Zonation in the digestive tract of Eisenia fetida: Implications in biomarker measurements for toxicity assessment. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2014, 160, 42-53.	2.6	5
48	Combining chemical and biological endpoints, a major challenge for twenty-first centuryâ€™s environmental specimen banks. Environmental Science and Pollution Research, 2015, 22, 1631-1634.	5.3	5
49	Variability and distribution of parasites, pathologies and their effect on wild mussels (Mytilus sp) in different environments along a wide latitudinal span in the Northern Atlantic and Arctic Oceans. Marine Environmental Research, 2022, 176, 105585.	2.5	5
50	Infection Rate in Seabasses Fed with Viscera Parasitised by Anisakid Larvae. Acta Parasitologica, 2022, 67, 835-841.	1.1	3
51	Chemical characterization of oil and water accommodated fraction (WAF) at different temperatures. Results in Engineering, 2022, 14, 100433.	5.1	3
52	Toxicology tailored low density oligonucleotide microarray for the thicklip grey mullets (Chelon) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14 Environmental Research, 2018, 140, 265-277.	2.5	2
53	Toxicity to sea urchin embryos of crude and bunker oils weathered under ice alone and mixed with dispersant. Marine Pollution Bulletin, 2022, 175, 113345.	5.0	1
54	Molecular mechanisms of tributyltin-induced pathogenesis in thicklip grey mullets Chelon labrosus. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2010, 157, S3-S4.	1.8	0

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55	Cell and tissue level responses to gradual temperature raising in digestive gland of mussels from sites with different levels of environmental stress. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2010, 157, S16.	1.8	0
56	Sampling strategy; are we changing the photograph of the environmental health?. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2012, 163, S13.	1.8	0
57	Metal pollution assessment in different seasons of the year in the Oka river estuary using cell and tissue level biomarkers in oysters. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2012, 163, S21.	1.8	0
58	Lurzoru kutsatuen karakterizazio intentsiboa in vivo eta in silico fokatzeak erabiliz. Ekaia (journal), 0, , .	0.0	0
59	Araztegi lokatzak jasotako lurzoruaren analisi toxikologikoa zizare eta landareak erabiliz. Ekaia (journal), 0, , .	0.0	0