

Amadeu Soares

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

749
papers

20,356
citations

62
h-index

96
g-index

773
ext. papers

23,272
ext. citations

5.9
avg, IF

7.15
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 749 | Interactions between effects of environmental chemicals and natural stressors: a review. <i>Science of the Total Environment</i> , 2010 , 408, 3746-62 | 10.2 | 519 |
| 748 | Metal-based nanoparticles in soil: fate, behavior, and effects on soil invertebrates. <i>Environmental Toxicology and Chemistry</i> , 2012 , 31, 1679-92 | 3.8 | 301 |
| 747 | Acute effects of copper and mercury on the estuarine fish <i>Pomatoschistus microps</i> : linking biomarkers to behaviour. <i>Chemosphere</i> , 2009 , 76, 1416-27 | 8.4 | 218 |
| 746 | Beyond taxonomy: a review of macroinvertebrate trait-based community descriptors as tools for freshwater biomonitoring. <i>Journal of Applied Ecology</i> , 2010 , 47, 711-719 | 5.8 | 216 |
| 745 | Effects of triclosan on zebrafish early-life stages and adults. <i>Environmental Science and Pollution Research</i> , 2009 , 16, 679-88 | 5.1 | 213 |
| 744 | Inhibition of acetylcholinesterase activity as effect criterion in acute tests with juvenile <i>Daphnia magna</i> . <i>Chemosphere</i> , 1996 , 32, 727-38 | 8.4 | 207 |
| 743 | Lactate dehydrogenase activity as an effect criterion in toxicity tests with <i>Daphnia magna</i> straus. <i>Chemosphere</i> , 2001 , 45, 553-60 | 8.4 | 199 |
| 742 | Rethinking and optimising plastic waste management under COVID-19 pandemic: Policy solutions based on redesign and reduction of single-use plastics and personal protective equipment. <i>Science of the Total Environment</i> , 2020 , 742, 140565 | 10.2 | 188 |
| 741 | SHORT COMMUNICATION Should the use of inhibition of cholinesterases as a specific biomarker for organophosphate and carbamate pesticides be questioned. <i>Biomarkers</i> , 1998 , 3, 157-63 | 2.6 | 188 |
| 740 | Biochemical responses of the marine mussel <i>Mytilus galloprovincialis</i> to petrochemical environmental contamination along the North-western coast of Portugal. <i>Chemosphere</i> , 2007 , 66, 1230-42 | 8.4 | 186 |
| 739 | The <i>Daphnia</i> bioassay: a critique. <i>Hydrobiologia</i> , 1989 , 188-189, 403-406 | 2.4 | 181 |
| 738 | Effects of nanoplastics on <i>Mytilus galloprovincialis</i> after individual and combined exposure with carbamazepine. <i>Science of the Total Environment</i> , 2018 , 643, 775-784 | 10.2 | 173 |
| 737 | Silver nanoparticles and silver nitrate induce high toxicity to <i>Pseudokirchneriella subcapitata</i> , <i>Daphnia magna</i> and <i>Danio rerio</i> . <i>Science of the Total Environment</i> , 2014 , 466-467, 232-41 | 10.2 | 167 |
| 736 | Terrestrial avoidance behaviour tests as screening tool to assess soil contamination. <i>Environmental Pollution</i> , 2005 , 138, 121-31 | 9.3 | 165 |
| 735 | Toxicity of binary mixtures of metals and pyrethroid insecticides to <i>Daphnia magna</i> Straus. Implications for multi-substance risks assessment. <i>Aquatic Toxicology</i> , 2006 , 78, 1-14 | 5.1 | 164 |
| 734 | A comparative study of genotype sensitivity to acute toxic stress using clones of <i>Daphnia magna</i> straus. <i>Ecotoxicology and Environmental Safety</i> , 1991 , 21, 257-65 | 7 | 133 |
| 733 | Acute toxicity test with <i>Daphnia magna</i> : an alternative to mammals in the prescreening of chemical toxicity?. <i>Ecotoxicology and Environmental Safety</i> , 2000 , 46, 357-62 | 7 | 128 |

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| 732 | In vitro and in vivo inhibition of <i>Daphnia magna</i> acetylcholinesterase by surfactant agents: possible implications for contamination biomonitoring. <i>Science of the Total Environment</i> , 2000 , 247, 137-41 | 10.2 | 124 |
| 731 | Surface binding of contaminants by algae: Consequences for lethal toxicity and feeding to <i>Daphnia magna</i> Straus. <i>Environmental Toxicology and Chemistry</i> , 1998 , 17, 412-419 | 3.8 | 121 |
| 730 | In vivo evaluation of three biomarkers in the mosquitofish (<i>Gambusia yucatana</i>) exposed to pesticides. <i>Chemosphere</i> , 2005 , 58, 627-36 | 8.4 | 120 |
| 729 | Effect of endosulfan and parathion on energy reserves and physiological parameters of the terrestrial isopod <i>Porcellio dilatatus</i> . <i>Ecotoxicology and Environmental Safety</i> , 2001 , 49, 131-8 | 7 | 120 |
| 728 | Acetylcholinesterase activity in juveniles of <i>Daphnia magna</i> Straus. <i>Bulletin of Environmental Contamination and Toxicology</i> , 1996 , 57, 979-85 | 2.7 | 120 |
| 727 | Presence of the pharmaceutical drug carbamazepine in coastal systems: effects on bivalves. <i>Aquatic Toxicology</i> , 2014 , 156, 74-87 | 5.1 | 117 |
| 726 | Zinc oxide nanoparticles toxicity to <i>Daphnia magna</i> : size-dependent effects and dissolution. <i>Environmental Toxicology and Chemistry</i> , 2014 , 33, 190-8 | 3.8 | 111 |
| 725 | Macroinvertebrate response to acid mine drainage: community metrics and on-line behavioural toxicity bioassay. <i>Environmental Pollution</i> , 2004 , 130, 263-74 | 9.3 | 111 |
| 724 | Cholinesterase and glutathione-S-transferase activities in freshwater invertebrates as biomarkers to assess pesticide contamination. <i>Environmental Toxicology and Chemistry</i> , 2010 , 29, 5-18 | 3.8 | 109 |
| 723 | Fear and loathing in the benthos: Responses of aquatic insect larvae to the pesticide imidacloprid in the presence of chemical signals of predation risk. <i>Aquatic Toxicology</i> , 2009 , 93, 138-49 | 5.1 | 104 |
| 722 | Assessment of biomarkers of cadmium stress in lettuce. <i>Ecotoxicology and Environmental Safety</i> , 2009 , 72, 811-8 | 7 | 103 |
| 721 | Proteins in ecotoxicology - how, why and why not?. <i>Proteomics</i> , 2010 , 10, 873-87 | 4.8 | 95 |
| 720 | Physiological and biochemical responses of three Veneridae clams exposed to salinity changes. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2014 , 177-178, 1-9 | 2.3 | 94 |
| 719 | Avoidance behaviour of <i>Enchytraeus albidus</i> : effects of benomyl, carbendazim, phenmedipham and different soil types. <i>Chemosphere</i> , 2005 , 59, 501-10 | 8.4 | 93 |
| 718 | Structural and functional responses of benthic invertebrates to imidacloprid in outdoor stream mesocosms. <i>Environmental Pollution</i> , 2009 , 157, 2328-34 | 9.3 | 91 |
| 717 | Influence of cellular density on determination of EC(50) in microalgal growth inhibition tests. <i>Ecotoxicology and Environmental Safety</i> , 2000 , 47, 112-6 | 7 | 91 |
| 716 | Use, fate and ecological risks of antibiotics applied in tilapia cage farming in Thailand. <i>Environmental Pollution</i> , 2014 , 191, 8-16 | 9.3 | 89 |
| 715 | Effects of oxytetracycline and amoxicillin on development and biomarkers activities of zebrafish (<i>Danio rerio</i>). <i>Environmental Toxicology and Pharmacology</i> , 2013 , 36, 903-12 | 5.8 | 89 |

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| 714 | Toxicity of three binary mixtures to <i>Daphnia magna</i> : comparing chemical modes of action and deviations from conceptual models. <i>Environmental Toxicology and Chemistry</i> , 2010 , 29, 1716-26 | 3.8 | 88 |
| 713 | Toxicity prediction of binary combinations of cadmium, carbendazim and low dissolved oxygen on <i>Daphnia magna</i> . <i>Aquatic Toxicology</i> , 2008 , 89, 28-39 | 5.1 | 87 |
| 712 | Ring-testing and field-validation of a terrestrial model ecosystem (TME)--an instrument for testing potentially harmful substances: conceptual approach and study design. <i>Ecotoxicology</i> , 2004 , 13, 9-27 | 2.9 | 87 |
| 711 | Assessing joint toxicity of chemicals in <i>Enchytraeus albidus</i> (Enchytraeidae) and <i>Porcellionides pruinosus</i> (Isopoda) using avoidance behaviour as an endpoint. <i>Environmental Pollution</i> , 2009 , 157, 625-36 | 8.3 | 86 |
| 710 | Biomarkers as a tool to assess effects of chromium (VI): comparison of responses in zebrafish early life stages and adults. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2010 , 152, 338-45 | 3.2 | 82 |
| 709 | <i>Enchytraeus crypticus</i> as model species in soil ecotoxicology. <i>Chemosphere</i> , 2012 , 87, 1222-7 | 8.4 | 77 |
| 708 | Risk assessment of representative and priority pesticides, in surface water of the Alqueva reservoir (South of Portugal) using on-line solid phase extraction-liquid chromatography-tandem mass spectrometry. <i>Environment International</i> , 2009 , 35, 545-51 | 12.9 | 76 |
| 707 | Evidence for the Stepwise Stress Model: <i>Gambusia holbrooki</i> and <i>Daphnia magna</i> under acid mine drainage and acidified reference water stress. <i>Environmental Science & Technology</i> , 2005 , 39, 4150-8 | 10.3 | 76 |
| 706 | Acute toxicity of atrazine, endosulfan sulphate and chlorpyrifos to <i>Vibrio fischeri</i> , <i>Thamnocephalus platyurus</i> and <i>Daphnia magna</i> , relative to their concentrations in surface waters from the Alentejo region of Portugal. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2008 , 81, 485-9 | 2.7 | 75 |
| 705 | Impact of organic and inorganic nanomaterials in the soil microbial community structure. <i>Science of the Total Environment</i> , 2012 , 424, 344-50 | 10.2 | 72 |
| 704 | Spatial distribution and bioaccumulation patterns in three clam populations from a low contaminated ecosystem. <i>Estuarine, Coastal and Shelf Science</i> , 2015 , 155, 114-125 | 2.9 | 72 |
| 703 | The relative importance of water and food as cadmium sources to <i>Daphnia magna</i> Straus. <i>Aquatic Toxicology</i> , 2002 , 61, 143-54 | 5.1 | 69 |
| 702 | The impacts of pharmaceutical drugs under ocean acidification: New data on single and combined long-term effects of carbamazepine on <i>Scrobicularia plana</i> . <i>Science of the Total Environment</i> , 2016 , 541, 977-985 | 10.2 | 68 |
| 701 | Obesogens beyond Vertebrates: Lipid Perturbation by Tributyltin in the Crustacean <i>Daphnia magna</i> . <i>Environmental Health Perspectives</i> , 2015 , 123, 813-9 | 8.4 | 68 |
| 700 | Among- and within-population variability in tolerance to cadmium stress in natural populations of <i>Daphnia magna</i> : Implications for ecological risk assessment. <i>Environmental Toxicology and Chemistry</i> , 2002 , 21, 1058-1064 | 3.8 | 68 |
| 699 | Mechanisms of response to silver nanoparticles on <i>Enchytraeus albidus</i> (Oligochaeta): survival, reproduction and gene expression profile. <i>Journal of Hazardous Materials</i> , 2013 , 254-255, 336-344 | 12.8 | 67 |
| 698 | Effects of binary mixtures on the life traits of <i>Daphnia magna</i> . <i>Ecotoxicology and Environmental Safety</i> , 2011 , 74, 99-110 | 7 | 67 |
| 697 | Interclonal variation in the performance of <i>Daphnia magna</i> Straus in chronic bioassays. <i>Environmental Toxicology and Chemistry</i> , 1992 , 11, 1477-1483 | 3.8 | 66 |

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|-----|--|------|----|
| 696 | Carbendazim exposure induces developmental, biochemical and behavioural disturbance in zebrafish embryos. <i>Aquatic Toxicology</i> , 2016 , 170, 390-399 | 5.1 | 65 |
| 695 | Life history and biochemical effects of chlorantraniliprole on <i>Chironomus riparius</i> . <i>Science of the Total Environment</i> , 2015 , 508, 506-13 | 10.2 | 65 |
| 694 | Characterization of cholinesterases from <i>Daphnia magna</i> straus and their inhibition by zinc. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2003 , 71, 219-25 | 2.7 | 64 |
| 693 | Physiological and biochemical alterations induced in the mussel <i>Mytilus galloprovincialis</i> after short and long-term exposure to carbamazepine. <i>Water Research</i> , 2017 , 117, 102-114 | 12.5 | 63 |
| 692 | The effects of carbamazepine on macroinvertebrate species: Comparing bivalves and polychaetes biochemical responses. <i>Water Research</i> , 2015 , 85, 137-47 | 12.5 | 63 |
| 691 | Effects of imidacloprid exposure on <i>Chironomus riparius</i> Meigen larvae: linking acetylcholinesterase activity to behaviour. <i>Ecotoxicology and Environmental Safety</i> , 2011 , 74, 1210-5 | 7 | 63 |
| 690 | Combined use of <i>Daphnia magna</i> in situ bioassays, biomarkers and biological indices to diagnose and identify environmental pressures on invertebrate communities in two Mediterranean urbanized and industrialized rivers (NE Spain). <i>Aquatic Toxicology</i> , 2008 , 87, 310-20 | 5.1 | 63 |
| 689 | Evaluation of the toxicity of two soils from Jales Mine (Portugal) using aquatic bioassays. <i>Chemosphere</i> , 2005 , 61, 168-77 | 8.4 | 63 |
| 688 | . <i>Environmental Toxicology and Chemistry</i> , 1992 , 11, 1477 | 3.8 | 63 |
| 687 | Acute effects of deltamethrin on swimming velocity and biomarkers of the common prawn <i>Palaemon serratus</i> . <i>Aquatic Toxicology</i> , 2012 , 124-125, 209-16 | 5.1 | 62 |
| 686 | <i>Enchytraeus albidus</i> (Enchytraeidae): a test organism in a standardised avoidance test? Effects of different chemical substances. <i>Environment International</i> , 2008 , 34, 363-71 | 12.9 | 62 |
| 685 | Effects of Cadmium and Zinc on the feeding behaviour of two freshwater crustaceans: <i>Atyaephyra desmarestii</i> (Decapoda) and <i>Echinogammarus meridionalis</i> (Amphipoda). <i>Chemosphere</i> , 2007 , 68, 1556-62 | 8.4 | 62 |
| 684 | Biochemical impacts of Hg in <i>Mytilus galloprovincialis</i> under present and predicted warming scenarios. <i>Science of the Total Environment</i> , 2017 , 601-602, 1129-1138 | 10.2 | 59 |
| 683 | Biodiversity offsets: from current challenges to harmonized metrics. <i>Current Opinion in Environmental Sustainability</i> , 2015 , 14, 61-67 | 7.2 | 59 |
| 682 | Caffeine impacts in the clam <i>Ruditapes philippinarum</i> : Alterations on energy reserves, metabolic activity and oxidative stress biomarkers. <i>Chemosphere</i> , 2016 , 160, 95-103 | 8.4 | 59 |
| 681 | Oxidative stress effects of titanium dioxide nanoparticle aggregates in zebrafish embryos. <i>Science of the Total Environment</i> , 2014 , 470-471, 379-89 | 10.2 | 59 |
| 680 | Feeding behaviour of the terrestrial isopod <i>Porcellionides pruinosus</i> Brandt, 1833 (Crustacea, Isopoda) in response to changes in food quality and contamination. <i>Science of the Total Environment</i> , 2006 , 369, 119-28 | 10.2 | 59 |
| 679 | Effect of different soil types on the enchytraeids <i>Enchytraeus albidus</i> and <i>Enchytraeus luxuriosus</i> using the herbicide Phenmedipham. <i>Chemosphere</i> , 2005 , 61, 1102-14 | 8.4 | 59 |

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| 678 | Effect of soil properties and aging on the toxicity of copper for <i>Enchytraeus albidus</i> , <i>Enchytraeus luxuriosus</i> , and <i>Folsomia candida</i> . <i>Environmental Toxicology and Chemistry</i> , 2005 , 24, 1875-85 | 3.8 | 59 |
| 677 | Lichen traits responding to aridity. <i>Journal of Ecology</i> , 2015 , 103, 451-458 | 6 | 58 |
| 676 | Biochemical responses and accumulation patterns of <i>Mytilus galloprovincialis</i> exposed to thermal stress and Arsenic contamination. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 147, 954-962 | 7 | 57 |
| 675 | Assessment of anthropogenic sources of water pollution using multivariate statistical techniques: a case study of the Alqueva's reservoir, Portugal. <i>Environmental Monitoring and Assessment</i> , 2010 , 165, 539-52 | 3.1 | 57 |
| 674 | Avoidance test with <i>Enchytraeus albidus</i> (Enchytraeidae): effects of different exposure time and soil properties. <i>Environmental Pollution</i> , 2008 , 155, 112-6 | 9.3 | 57 |
| 673 | Characterization of the cholinesterases present in head tissues of the estuarine fish <i>Pomatoschistus microps</i> : application to biomonitoring. <i>Ecotoxicology and Environmental Safety</i> , 2005 , 62, 341-7 | 7 | 57 |
| 672 | Biomarkers and energy reserves in the isopod <i>Porcellionides pruinosus</i> : the effects of long-term exposure to dimethoate. <i>Science of the Total Environment</i> , 2015 , 502, 91-102 | 10.2 | 56 |
| 671 | Toxicity of dyes to zebrafish at the biochemical level: Cellular energy allocation and neurotoxicity. <i>Environmental Pollution</i> , 2018 , 235, 255-262 | 9.3 | 56 |
| 670 | Toxicity and genotoxicity of organic and inorganic nanoparticles to the bacteria <i>Vibrio fischeri</i> and <i>Salmonella typhimurium</i> . <i>Ecotoxicology</i> , 2012 , 21, 637-48 | 2.9 | 56 |
| 669 | Trematode communities in cockles (<i>Cerastoderma edule</i>) of the Ria de Aveiro (Portugal): influence of inorganic contamination. <i>Marine Pollution Bulletin</i> , 2014 , 82, 117-26 | 6.7 | 55 |
| 668 | Synergistic effects caused by atrazine and terbuthylazine on chlorpyrifos toxicity to early-life stages of the zebrafish <i>Danio rerio</i> . <i>Environmental Science and Pollution Research</i> , 2013 , 20, 4671-80 | 5.1 | 55 |
| 667 | The use of a lacertid lizard as a model for reptile ecotoxicology studies: part 2--biomarkers of exposure and toxicity among pesticide exposed lizards. <i>Chemosphere</i> , 2012 , 87, 765-74 | 8.4 | 55 |
| 666 | The effects of arsenic and seawater acidification on antioxidant and biomineralization responses in two closely related <i>Crassostrea</i> species. <i>Science of the Total Environment</i> , 2016 , 545-546, 569-81 | 10.2 | 54 |
| 665 | Biochemical and physiological responses induced in <i>Mytilus galloprovincialis</i> after a chronic exposure to salicylic acid. <i>Aquatic Toxicology</i> , 2019 , 214, 105258 | 5.1 | 54 |
| 664 | Bioaccumulation of silver in <i>Daphnia magna</i> : Waterborne and dietary exposure to nanoparticles and dissolved silver. <i>Science of the Total Environment</i> , 2017 , 574, 1633-1639 | 10.2 | 54 |
| 663 | Effects of atrazine and endosulfan sulphate on the ecdysteroid system of <i>Daphnia magna</i> . <i>Chemosphere</i> , 2009 , 74, 676-81 | 8.4 | 54 |
| 662 | Impact of chemical exposure on the fish <i>Pomatoschistus microps</i> Krøyer (1838) in estuaries of the Portuguese Northwest coast. <i>Chemosphere</i> , 2007 , 66, 514-22 | 8.4 | 54 |
| 661 | Do genotype responses always converge from lethal to nonlethal toxicant exposure levels? Hypothesis tested using clones of <i>Daphnia magna</i> straus. <i>Environmental Toxicology and Chemistry</i> , 2000 , 19, 2314-2322 | 3.8 | 54 |

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| 660 | Assessing lethal and sub-lethal effects of trichlorfon on different trophic levels. <i>Aquatic Toxicology</i> , 2011 , 103, 191-8 | 5.1 | 53 |
| 659 | Chronic toxicity of the antiepileptic carbamazepine on the clam <i>Ruditapes philippinarum</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2015 , 172-173, 26-35 | 3.2 | 52 |
| 658 | Enchytraeid Reproduction Test(PLUS): hatching, growth and full life cycle test--an optional multi-endpoint test with <i>Enchytraeus crypticus</i> . <i>Ecotoxicology</i> , 2015 , 24, 1053-63 | 2.9 | 52 |
| 657 | Multi-biochemical responses of benthic macroinvertebrate species as a complementary tool to diagnose the cause of community impairment in polluted rivers. <i>Water Research</i> , 2011 , 45, 3599-613 | 12.5 | 52 |
| 656 | Evaluation of surface water quality using an ecotoxicological approach: a case study of the Alqueva Reservoir (Portugal). <i>Environmental Science and Pollution Research</i> , 2010 , 17, 703-16 | 5.1 | 52 |
| 655 | Identifying major pesticides affecting bivalve species exposed to agricultural pollution using multi-biomarker and multivariate methods. <i>Ecotoxicology</i> , 2010 , 19, 1084-94 | 2.9 | 52 |
| 654 | Toxicity of sodium molybdate and sodium dichromate to <i>Daphnia magna</i> straus evaluated in acute, chronic, and acetylcholinesterase inhibition tests. <i>Ecotoxicology and Environmental Safety</i> , 2000 , 45, 253-9 | 7 | 52 |
| 653 | Effect of Cu-nanoparticles versus one Cu-salt: analysis of stress biomarkers response in <i>Enchytraeus albidus</i> (Oligochaeta). <i>Nanotoxicology</i> , 2012 , 6, 134-43 | 5.3 | 51 |
| 652 | Ecotoxicity and genotoxicity of cadmium in different marine trophic levels. <i>Environmental Pollution</i> , 2016 , 215, 203-212 | 9.3 | 51 |
| 651 | Effects of seawater acidification and salinity alterations on metabolic, osmoregulation and oxidative stress markers in <i>Mytilus galloprovincialis</i> . <i>Ecological Indicators</i> , 2017 , 79, 54-62 | 5.8 | 50 |
| 650 | Physiological and biochemical responses of the Polychaete <i>Diopatra neapolitana</i> to organic matter enrichment. <i>Aquatic Toxicology</i> , 2014 , 155, 32-42 | 5.1 | 50 |
| 649 | Ecotoxicity and genotoxicity of a binary combination of triclosan and carbendazim to <i>Daphnia magna</i> . <i>Ecotoxicology and Environmental Safety</i> , 2015 , 115, 279-90 | 7 | 50 |
| 648 | Genetic variability in sublethal tolerance to mixtures of cadmium and zinc in clones of <i>Daphnia magna</i> Straus. <i>Aquatic Toxicology</i> , 2002 , 60, 85-99 | 5.1 | 50 |
| 647 | Ecotoxicological effects of lanthanum in <i>Mytilus galloprovincialis</i> : Biochemical and histopathological impacts. <i>Aquatic Toxicology</i> , 2019 , 211, 181-192 | 5.1 | 49 |
| 646 | Tolerance of <i>Venerupis philippinarum</i> to salinity: osmotic and metabolic aspects. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2014 , 171, 36-43 | 2.6 | 49 |
| 645 | Zebrafish Models for Human Acute Organophosphorus Poisoning. <i>Scientific Reports</i> , 2015 , 5, 15591 | 4.9 | 49 |
| 644 | Pesticide exposure and inducible antipredator responses in the zooplankton grazer, <i>Daphnia magna</i> Straus. <i>Chemosphere</i> , 2010 , 78, 241-8 | 8.4 | 49 |
| 643 | Water-column, sediment, and in situ chronic bioassays with cladocerans. <i>Ecotoxicology and Environmental Safety</i> , 2000 , 47, 27-38 | 7 | 49 |

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| 642 | Combined effects of seawater acidification and salinity changes in <i>Ruditapes philippinarum</i> . <i>Aquatic Toxicology</i> , 2016 , 176, 141-50 | 5.1 | 49 |
| 641 | Predicted no effect concentration (PNEC) for triclosan to terrestrial species (invertebrates and plants). <i>Environment International</i> , 2010 , 36, 338-343 | 12.9 | 47 |
| 640 | Influence of dimethoate on acetylcholinesterase activity and locomotor function in terrestrial isopods. <i>Environmental Toxicology and Chemistry</i> , 2005 , 24, 603-9 | 3.8 | 47 |
| 639 | Novel bioassay based on acetylcholinesterase and lactate dehydrogenase activities to evaluate the toxicity of chemicals to soil isopods. <i>Ecotoxicology and Environmental Safety</i> , 1999 , 44, 287-93 | 7 | 47 |
| 638 | Endocrine and physiological effects of linuron and S-metolachlor in zebrafish developing embryos. <i>Science of the Total Environment</i> , 2017 , 586, 390-400 | 10.2 | 46 |
| 637 | Toxic effects of multi-walled carbon nanotubes on bivalves: Comparison between functionalized and nonfunctionalized nanoparticles. <i>Science of the Total Environment</i> , 2018 , 622-623, 1532-1542 | 10.2 | 46 |
| 636 | Biomarker responses of the estuarine brown shrimp <i>Crangon crangon</i> L. to non-toxic stressors: Temperature, salinity and handling stress effects. <i>Journal of Experimental Marine Biology and Ecology</i> , 2006 , 335, 114-122 | 2.1 | 46 |
| 635 | An in situ bioassay for estuarine environments using the microalga <i>Phaeodactylum tricornutum</i> . <i>Environmental Toxicology and Chemistry</i> , 2002 , 21, 567-574 | 3.8 | 46 |
| 634 | A <i>Daphnia magna</i> first-brood chronic test: An alternative to the conventional 21-Day chronic bioassay?. <i>Ecotoxicology and Environmental Safety</i> , 1999 , 42, 67-74 | 7 | 46 |
| 633 | Compounds altering fat storage in <i>Daphnia magna</i> . <i>Science of the Total Environment</i> , 2016 , 545-546, 127-132 | 3.6 | 45 |
| 632 | Evaluation of the joint effect of glyphosate and dimethoate using a small-scale terrestrial ecosystem. <i>Ecotoxicology and Environmental Safety</i> , 2011 , 74, 1994-2001 | 7 | 45 |
| 631 | An in situ bioassay for freshwater environments with the microalga <i>Pseudokirchneriella subcapitata</i> . <i>Ecotoxicology and Environmental Safety</i> , 2004 , 59, 164-73 | 7 | 45 |
| 630 | Toxicological effects of paracetamol on the clam <i>Ruditapes philippinarum</i> : exposure vs recovery. <i>Aquatic Toxicology</i> , 2017 , 192, 198-206 | 5.1 | 44 |
| 629 | Biochemical effects of the pharmaceutical drug paracetamol on <i>Anguilla anguilla</i> . <i>Environmental Science and Pollution Research</i> , 2015 , 22, 11574-84 | 5.1 | 44 |
| 628 | The use of a lacertid lizard as a model for reptile ecotoxicology studies--part 1 field demographics and morphology. <i>Chemosphere</i> , 2012 , 87, 757-64 | 8.4 | 44 |
| 627 | Toxic effects of the antihistamine cetirizine in mussel <i>Mytilus galloprovincialis</i> . <i>Water Research</i> , 2017 , 114, 316-326 | 12.5 | 43 |
| 626 | Long-term exposure to caffeine and carbamazepine: Impacts on the regenerative capacity of the polychaete <i>Diopatra neapolitana</i> . <i>Chemosphere</i> , 2016 , 146, 565-73 | 8.4 | 43 |
| 625 | Reproduction and biochemical responses in <i>Enchytraeus albidus</i> (Oligochaeta) to zinc or cadmium exposures. <i>Environmental Pollution</i> , 2011 , 159, 1836-43 | 9.3 | 43 |

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| 624 | Joint effects of three plant protection products to the terrestrial isopod <i>Porcellionides pruinosus</i> and the collembolan <i>Folsomia candida</i> . <i>Chemosphere</i> , 2010 , 80, 1021-30 | 8.4 | 43 |
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