

Eun-Ji Won

List of Publications by Year in descending order

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68
papers

3,075
citations

218677

26
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161849

54
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68
all docs

68
docs citations

68
times ranked

3626
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | Microplastic Size-Dependent Toxicity, Oxidative Stress Induction, and p-JNK and p-p38 Activation in the Monogonont Rotifer (<i>Brachionus koreanus</i>). <i>Environmental Science & Technology</i> , 2016, 50, 8849-8857. | 10.0 | 875 |
| 2 | Microalgae – A promising tool for heavy metal remediation. <i>Ecotoxicology and Environmental Safety</i> , 2015, 113, 329-352. | 6.0 | 595 |
| 3 | Ultraviolet B retards growth, induces oxidative stress, and modulates DNA repair-related gene and heat shock protein gene expression in the monogonont rotifer, <i>Brachionus sp.</i> . <i>Aquatic Toxicology</i> , 2011, 101, 529-539. | 4.0 | 113 |
| 4 | Crude oil exposure results in oxidative stress-mediated dysfunctional development and reproduction in the copepod <i>Tigriopus japonicus</i> and modulates expression of cytochrome P450 (CYP) genes. <i>Aquatic Toxicology</i> , 2014, 152, 308-317. | 4.0 | 76 |
| 5 | Significance of adverse outcome pathways in biomarker-based environmental risk assessment in aquatic organisms. <i>Journal of Environmental Sciences</i> , 2015, 35, 115-127. | 6.1 | 76 |
| 6 | Identification of xenobiotic biodegradation and metabolism-related genes in the copepod <i>Tigriopus japonicus</i> whole transcriptome analysis. <i>Marine Genomics</i> , 2015, 24, 207-208. | 1.1 | 73 |
| 7 | Molecular cloning, expression, biochemical characteristics, and biomarker potential of theta class glutathione S-transferase (GST-T) from the polychaete <i>Neanthes succinea</i> . <i>Aquatic Toxicology</i> , 2007, 83, 104-115. | 4.0 | 65 |
| 8 | Gamma radiation induces growth retardation, impaired egg production, and oxidative stress in the marine copepod <i>Paracyclops nana</i> . <i>Aquatic Toxicology</i> , 2014, 150, 17-26. | 4.0 | 63 |
| 9 | Gamma rays induce DNA damage and oxidative stress associated with impaired growth and reproduction in the copepod <i>Tigriopus japonicus</i> . <i>Aquatic Toxicology</i> , 2014, 152, 264-272. | 4.0 | 57 |
| 10 | Developmental retardation, reduced fecundity, and modulated expression of the defensome in the intertidal copepod <i>Tigriopus japonicus</i> exposed to BDE-47 and PFOS. <i>Aquatic Toxicology</i> , 2015, 165, 136-143. | 4.0 | 53 |
| 11 | Identification of the Full 46 Cytochrome P450 (CYP) Complement and Modulation of CYP Expression in Response to Water-Accommodated Fractions of Crude Oil in the Cyclopoid Copepod <i>Paracyclops nana</i> . <i>Environmental Science & Technology</i> , 2015, 49, 6982-6992. | 10.0 | 51 |
| 12 | Importance of accurate trophic level determination by nitrogen isotope of amino acids for trophic magnification studies: A review. <i>Environmental Pollution</i> , 2018, 238, 677-690. | 7.5 | 41 |
| 13 | Triclosan (TCS) and Triclocarban (TCC) cause lifespan reduction and reproductive impairment through oxidative stress-mediated expression of the defensome in the monogonont rotifer (<i>Tigriopus japonicus</i>). <i>Pharmacology</i> , 2016, 185-186, 131-137. | 2.5 | 40 |
| 14 | Evaluation of induction of metallothionein-like proteins (MTLPs) in the polychaetes for biomonitoring of heavy metal pollution in marine sediments. <i>Marine Pollution Bulletin</i> , 2008, 57, 544-551. | 5.0 | 39 |
| 15 | Expression of three novel cytochrome P450 (CYP) and antioxidative genes from the polychaete, <i>Perinereis nuntia</i> exposed to water accommodated fraction (WAF) of Iranian crude oil and Benzo[a]pyrene. <i>Marine Environmental Research</i> , 2013, 90, 75-84. | 2.5 | 36 |
| 16 | Potential of the small cyclopoid copepod <i>Paracyclops nana</i> as an invertebrate model for ecotoxicity testing. <i>Aquatic Toxicology</i> , 2016, 180, 282-294. | 4.0 | 36 |
| 17 | In vivo effects of UV radiation on multiple endpoints and expression profiles of DNA repair and heat shock protein (Hsp) genes in the cycloid copepod <i>Paracyclops nana</i> . <i>Aquatic Toxicology</i> , 2015, 165, 1-8. | 4.0 | 35 |
| 18 | Marine copepod cytochrome P450 genes and their applications for molecular ecotoxicological studies in response to oil pollution. <i>Marine Pollution Bulletin</i> , 2017, 124, 953-961. | 5.0 | 35 |

| # | ARTICLE | IF | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 19 | Multi-walled carbon nanotubes (MWCNTs) lead to growth retardation, antioxidant depletion, and activation of the ERK signaling pathway but decrease copper bioavailability in the monogonont rotifer (<i>Brachionus koreanus</i>). <i>Aquatic Toxicology</i> , 2016, 172, 67-79. | 4.0 | 32 |
| 20 | BDE-47 causes developmental retardation with down-regulated expression profiles of ecdysteroid signaling pathway-involved nuclear receptor (NR) genes in the copepod <i>Tigriopus japonicus</i> . <i>Aquatic Toxicology</i> , 2016, 177, 285-294. | 4.0 | 31 |
| 21 | Response of glutathione S-transferase (GST) genes to cadmium exposure in the marine pollution indicator worm, <i>Perinereis nuntia</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2011, 154, 82-92. | 2.6 | 30 |
| 22 | Carbon and nitrogen stable isotope signatures linked to anthropogenic toxic substances pollution in a highly industrialized area of South Korea. <i>Marine Pollution Bulletin</i> , 2019, 144, 152-159. | 5.0 | 30 |
| 23 | Effects of multi-walled carbon nanotube (MWCNT) on antioxidant depletion, the ERK signaling pathway, and copper bioavailability in the copepod (<i>Tigriopus japonicus</i>). <i>Aquatic Toxicology</i> , 2016, 171, 9-19. | 4.0 | 29 |
| 24 | Expression of superoxide dismutase (SOD) genes from the copper-exposed polychaete, <i>Neanthes succinea</i> . <i>Marine Pollution Bulletin</i> , 2011, 63, 277-286. | 5.0 | 28 |
| 25 | Sublethal gamma irradiation affects reproductive impairment and elevates antioxidant enzyme and DNA repair activities in the monogonont rotifer <i>Brachionus koreanus</i> . <i>Aquatic Toxicology</i> , 2014, 155, 101-109. | 4.0 | 28 |
| 26 | Adverse Effects, Expression of the <i>Bk-CYP3045C1</i> Gene, and Activation of the ERK Signaling Pathway in the Water Accommodated Fraction-Exposed Rotifer. <i>Environmental Science & Technology</i> , 2016, 50, 6025-6035. | 10.0 | 28 |
| 27 | Effect of copper exposure on GST activity and on the expression of four GSTs under oxidative stress condition in the monogonont rotifer, <i>Brachionus koreanus</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2013, 158, 91-100. | 2.6 | 25 |
| 28 | Susceptibility to oxidative stress and modulated expression of antioxidant genes in the copper-exposed polychaete <i>Perinereis nuntia</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2012, 155, 344-351. | 2.6 | 24 |
| 29 | Effects of UV radiation on hatching, lipid peroxidation, and fatty acid composition in the copepod <i>Paracyclopsina nana</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2014, 165, 60-66. | 2.6 | 24 |
| 30 | Response of antioxidant enzymes to Cd and Pb exposure in water flea <i>Daphnia magna</i> : Differential metal and age specific patterns. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2018, 209, 28-36. | 2.6 | 24 |
| 31 | Current nonylphenol pollution and the past 30years record in an artificial Lake Shihwa, Korea. <i>Marine Pollution Bulletin</i> , 2010, 60, 308-313. | 5.0 | 23 |
| 32 | Identification and molecular characterization of two Cu/Zn-SODs and Mn-SOD in the marine ciliate <i>Euplotes crassus</i> : Modulation of enzyme activity and transcripts in response to copper and cadmium. <i>Aquatic Toxicology</i> , 2018, 199, 296-304. | 4.0 | 22 |
| 33 | RNA-seq based whole transcriptome analysis of the cyclopoid copepod <i>Paracyclopsina nana</i> focusing on xenobiotics metabolism. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2015, 15, 12-19. | 1.0 | 21 |
| 34 | Variability of trophic magnification factors as an effect of estimated trophic position: Application of compound-specific nitrogen isotope analysis of amino acids. <i>Environment International</i> , 2020, 135, 105361. | 10.0 | 19 |
| 35 | Evaluation of the potential impact of polluted sediments using Manila clam <i>Ruditapes philippinarum</i> : bioaccumulation and biomarker responses. <i>Environmental Science and Pollution Research</i> , 2012, 19, 2570-2580. | 5.3 | 18 |
| 36 | The polychaete, <i>Perinereis nuntia</i> ESTs and its use to uncover potential biomarker genes for molecular ecotoxicological studies. <i>Environmental Research</i> , 2012, 112, 48-57. | 7.5 | 17 |

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 37 | Combined effects of heavy metals (Cd, As, and Pb): Comparative study using conceptual models and the antioxidant responses in the brackish water flea. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2021, 239, 108863. | 2.6 | 17 |
| 38 | A brominated flame retardant 2,2,4,4-tetrabrominated diphenyl ether (BDE-47) leads to lipogenesis in the copepod <i>Tigriopus japonicus</i> . <i>Aquatic Toxicology</i> , 2016, 178, 19-26. | 4.0 | 16 |
| 39 | Target organs of the Manila clam <i>Ruditapes philippinarum</i> for studying metal accumulation and biomarkers in pollution monitoring: laboratory and in-situ transplantation experiments. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 478. | 2.7 | 16 |
| 40 | Cloning and molecular characterization of estrogen-related receptor (ERR) and vitellogenin genes in the brackish water flea <i>Diaphanosoma celebensis</i> exposed to bisphenol A and its structural analogues. <i>Marine Pollution Bulletin</i> , 2020, 154, 111063. | 5.0 | 16 |
| 41 | Three novel superoxide dismutase genes identified in the marine polychaete <i>Perinereis nuntia</i> and their differential responses to single and combined metal exposures. <i>Ecotoxicology and Environmental Safety</i> , 2014, 107, 36-45. | 6.0 | 15 |
| 42 | An integrated view of gamma radiation effects on marine fauna: from molecules to ecosystems. <i>Environmental Science and Pollution Research</i> , 2015, 22, 17443-17452. | 5.3 | 15 |
| 43 | Complete mitochondrial genome of the marine polychaete, <i>Perinereis nuntia</i> (Polychaeta, Tj ETQq1 1 0.784314 rgBT /Oyerlock 14 | 0.6 | 14 |
| 44 | Trophic transfer of persistent toxic substances through a coastal food web in Ulsan Bay, South Korea: Application of compound-specific isotope analysis of nitrogen in amino acids. <i>Environmental Pollution</i> , 2020, 266, 115160. | 7.5 | 14 |
| 45 | Molecular evidence for suppression of swimming behavior and reproduction in the estuarine rotifer <i>Brachionus koreanus</i> in response to COVID-19 disinfectants. <i>Marine Pollution Bulletin</i> , 2022, 175, 113396. | 5.0 | 14 |
| 46 | Copepods as Reference Species in Estuarine and Marine Waters. , 2015, , 281-308. | | 13 |
| 47 | Environmental fate and trophic transfer of synthetic musk compounds and siloxanes in Geum River, Korea: Compound-specific nitrogen isotope analysis of amino acids for accurate trophic position estimation. <i>Environment International</i> , 2022, 161, 107123. | 10.0 | 13 |
| 48 | Molecular cloning and expression of novel metallothionein (MT) gene in the polychaete <i>Perinereis nuntia</i> exposed to metals. <i>Environmental Science and Pollution Research</i> , 2012, 19, 2606-2618. | 5.3 | 12 |
| 49 | Whole transcriptome analysis of the monogonont rotifer <i>Brachionus koreanus</i> provides molecular resources for developing biomarkers of carbohydrate metabolism. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2015, 14, 33-41. | 1.0 | 11 |
| 50 | Rotifers in <i>Ecotoxicology</i> . <i>Fisheries Science Series</i> , 2017, , 149-176. | 0.5 | 11 |
| 51 | Environmental assessment of contaminated marine sediments treated with solidification agents: Directions for improving environmental assessment guidelines. <i>Marine Environmental Research</i> , 2018, 139, 193-200. | 2.5 | 9 |
| 52 | Combined effects of cadmium and copper on the expression of antioxidant enzyme α coding genes in the polychaete, <i>Perinereis nuntia</i> . <i>Toxicology and Environmental Health Sciences</i> , 2013, 5, 26-33. | 2.1 | 7 |
| 53 | Identification and molecular characterization of cytochrome P450 (CYP450) family genes in the marine ciliate <i>Euplotes crassus</i> : The effect of benzo[a]pyrene and beta-naphthoflavone. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2017, 196, 71-80. | 2.6 | 7 |
| 54 | Integrated approach for quantitative estimation of particulate organic carbon sources in a complex river system. <i>Water Research</i> , 2021, 199, 117194. | 11.3 | 7 |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Inhibitory effects of biocides on transcription and protein activity of acetylcholinesterase in the intertidal copepod <i>Tigriopus japonicus</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2015, 167, 147-156. | 2.6 | 6 |
| 56 | Organic carbon and nitrogen composition in the sediment of the Kara Sea, Arctic Ocean during the Last Glacial Maximum to Holocene times. <i>Geophysical Research Letters</i> , 2007, 34, . | 4.0 | 5 |
| 57 | Spatial and temporal variations of trace metals in sediments from the artificial Saemangeum Lake, Korea. <i>Geochemical Journal</i> , 2013, 47, 475-487. | 1.0 | 5 |
| 58 | Acute Toxicity of Gamma Radiation to the Monogonont Rotifer <i>Brachionus koreanus</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , 2016, 97, 387-391. | 2.7 | 4 |
| 59 | Chronic adverse effects of oil dispersed sediments on growth, hatching, and reproduction of benthic copepods: Indirect exposure for long-term tests. <i>Marine Environmental Research</i> , 2018, 137, 225-233. | 2.5 | 4 |
| 60 | An individual-based model for evaluating post-exposure effects of UV-B radiation on zooplankton reproduction. <i>Ecological Modelling</i> , 2021, 441, 109379. | 2.5 | 4 |
| 61 | Identification of insulin-like peptide 1 (ILP1) gene and its expression in response to different food sources in the intertidal copepod <i>Tigriopus japonicus</i> . <i>Fisheries Science</i> , 2015, 81, 495-504. | 1.6 | 3 |
| 62 | Validation of reference genes for quantitative real-time PCR in chemical exposed and at different age's brackish water flea <i>Diaphanosoma celebensis</i> . <i>Scientific Reports</i> , 2021, 11, 23691. | 3.3 | 3 |
| 63 | Evaluation of alkane indexes for quantifying organic source from end member mixing experiments based on soil and algae. <i>Ecological Indicators</i> , 2019, 107, 105574. | 6.3 | 2 |
| 64 | Corrigendum to "Expression of three novel cytochrome P450 (CYP) and antioxidative genes from the polychaete, <i>Perinereis nuntia</i> exposed to water accommodated fraction (WAF) of Iranian crude oil and Benzo[\pm]pyrene" [Mar. Environ. Res. 90C (2013) 75-84]. <i>Marine Environmental Research</i> , 2013, 92, 282. | 2.5 | 0 |
| 65 | A Study of the Contaminated Sediment Management System in Korea, with Suggestions for Improvement. <i>Journal of Coastal Research</i> , 2018, 85, 1426-1430. | 0.3 | 0 |
| 66 | Biological Impact Assessment of Sediments: A Preliminary Study for Using Pore Water and Elutriate as Exposure Media. <i>Journal of Coastal Research</i> , 2018, 85, 1431-1435. | 0.3 | 0 |
| 67 | Patterns of Gene Expression Variation across Body Parts of the Hydrothermal Vent Shrimp <i>Nautilocaris saintlaurentae</i> . <i>Ocean Science Journal</i> , 2019, 54, 595-609. | 1.3 | 0 |
| 68 | Significance of Biomarkers in the Assessment of Dredged Materials for Beneficial Reuses and Disposal. <i>Journal of Environmental Impact Assessment</i> , 2016, 25, 466-476. | 0.3 | 0 |