

Jae-Seong Lee

List of Publications by Year in descending order

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441
papers

13,875
citations

28190

55
h-index

43802

91
g-index

444
all docs

444
docs citations

444
times ranked

12174
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.	4.6	875
2	Microalgae – A promising tool for heavy metal remediation. <i>Ecotoxicology and Environmental Safety</i> , 2015, 113, 329-352.	2.9	595
3	The copepod <i>Tigriopus</i> : A promising marine model organism for ecotoxicology and environmental genomics. <i>Aquatic Toxicology</i> , 2007, 83, 161-173.	1.9	295
4	Adverse effects of microplastics and oxidative stress-induced MAPK/Nrf2 pathway-mediated defense mechanisms in the marine copepod <i>Paracyclops nana</i> . <i>Scientific Reports</i> , 2017, 7, 41323.	1.6	271
5	Ecotoxicology, ecophysiology, and mechanistic studies with rotifers. <i>Aquatic Toxicology</i> , 2011, 101, 1-12.	1.9	231
6	Estimation of divergence times in cnidarian evolution based on mitochondrial protein-coding genes and the fossil record. <i>Molecular Phylogenetics and Evolution</i> , 2012, 62, 329-345.	1.2	204
7	Algal photosynthetic responses to toxic metals and herbicides assessed by chlorophyll a fluorescence. <i>Ecotoxicology and Environmental Safety</i> , 2014, 104, 51-71.	2.9	201
8	Nanoplastic Ingestion Enhances Toxicity of Persistent Organic Pollutants (POPs) in the Monogonont Rotifer <i>Brachionus koreanus</i> via Multixenobiotic Resistance (MXR) Disruption. <i>Environmental Science & Technology</i> , 2018, 52, 11411-11418.	4.6	197
9	Involvement of Autophagy in Oncogenic K-Ras-induced Malignant Cell Transformation. <i>Journal of Biological Chemistry</i> , 2011, 286, 12924-12932.	1.6	196
10	Fifteen species in one: deciphering the <i>Brachionus plicatilis</i> species complex (Rotifera, Monogononta) through DNA taxonomy. <i>Hydrobiologia</i> , 2017, 796, 39-58.	1.0	185
11	UV radiation in marine ectotherms: Molecular effects and responses. <i>Aquatic Toxicology</i> , 2010, 97, 3-14.	1.9	160
12	Expression of glutathione S-transferase (GST) genes in the marine copepod <i>Tigriopus japonicus</i> exposed to trace metals. <i>Aquatic Toxicology</i> , 2008, 89, 158-166.	1.9	129
13	The complete mitochondrial genome of the javeline goby <i>Acanthogobius hasta</i> (Perciformes, Gobiidae) and phylogenetic considerations. <i>Gene</i> , 2004, 336, 147-153.	1.0	113
14	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</i> sp.. <i>Aquatic Toxicology</i> , 2011, 101, 529-539.	1.9	113
15	Complete mitochondrial genome of the bullhead torrent catfish, <i>Liobagrus obesus</i> (Siluriformes.) Tj ETQq1 1 0.784314 rgBT /Overloc... rRNA genes. <i>Gene</i> , 2007, 396, 13-27.	1.0	111
16	Different effects of nano- and microplastics on oxidative status and gut microbiota in the marine medaka <i>Oryzias melastigma</i> . <i>Journal of Hazardous Materials</i> , 2021, 405, 124207.	6.5	111
17	Heavy metals induce oxidative stress and trigger oxidative stress-mediated heat shock protein (hsp) modulation in the intertidal copepod <i>Tigriopus japonicus</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2014, 166, 65-74.	1.3	110
18	The genome of the freshwater water flea <i>Daphnia magna</i> : A potential use for freshwater molecular ecotoxicology. <i>Aquatic Toxicology</i> , 2019, 210, 69-84.	1.9	104

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19	Heat shock protein (Hsp) gene responses of the intertidal copepod <i>Tigriopus japonicus</i> to environmental toxicants. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2009, 149, 104-112.	1.3	99
20	Review of measured concentrations of triphenyltin compounds in marine ecosystems and meta-analysis of their risks to humans and the environment. <i>Chemosphere</i> , 2012, 89, 1015-1025.	4.2	94
21	Cu/Zn- and Mn-superoxide dismutase (SOD) from the copepod <i>Tigriopus japonicus</i> : Molecular cloning and expression in response to environmental pollutants. <i>Chemosphere</i> , 2011, 84, 1467-1475.	4.2	93
22	Endocrine disrupting chemicals (bisphenol A, 4-nonylphenol, 4-tert-octylphenol) modulate expression of two distinct cytochrome P450 aromatase genes differently in gender types of the hermaphroditic fish <i>Rivulus marmoratus</i> . <i>Biochemical and Biophysical Research Communications</i> , 2006, 345, 894-903.	1.0	92
23	Transcriptional analysis of antioxidant and immune defense genes in disk abalone (<i>Haliotis discus</i>) Tj ETQq1 1 0.784314 rgBT /Overlook <i>Biochemistry and Molecular Biology</i> , 2009, 154, 387-395.	0.7	91
24	Effects of environmental stressors on lipid metabolism in aquatic invertebrates. <i>Aquatic Toxicology</i> , 2018, 200, 83-92.	1.9	91
25	The complete DNA sequence of the mitochondrial genome of the self-fertilizing fish <i>Rivulus marmoratus</i> (Cyprinodontiformes, Rivulidae) and the first description of duplication of a control region in fish. <i>Gene</i> , 2001, 280, 1-7.	1.0	89
26	Copper induces apoptotic cell death through reactive oxygen species-triggered oxidative stress in the intertidal copepod <i>Tigriopus japonicus</i> . <i>Aquatic Toxicology</i> , 2013, 132-133, 182-189.	1.9	89
27	Environmental stressors (salinity, heavy metals, H ₂ O ₂) modulate expression of glutathione reductase (GR) gene from the intertidal copepod <i>Tigriopus japonicus</i> . <i>Aquatic Toxicology</i> , 2006, 80, 281-289.	1.9	88
28	Acute toxicities of trace metals and common xenobiotics to the marine copepod <i>Tigriopus japonicus</i> : Evaluation of its use as a benchmark species for routine ecotoxicity tests in Western Pacific coastal regions. <i>Environmental Toxicology</i> , 2007, 22, 532-538.	2.1	85
29	The complete mitochondrial genome of the intertidal copepod <i>Tigriopus</i> sp. (Copepoda, Harpacticidae) from Korea and phylogenetic considerations. <i>Journal of Experimental Marine Biology and Ecology</i> , 2006, 333, 251-262.	0.7	83
30	Reactive Oxygen Species-Dependent Activation of Bax and Poly(ADP-ribose) Polymerase-1 Is Required for Mitochondrial Cell Death Induced by Triterpenoid Pristimerin in Human Cervical Cancer Cells. <i>Molecular Pharmacology</i> , 2009, 76, 734-744.	1.0	82
31	Transgenerational Proteome Plasticity in Resilience of a Marine Copepod in Response to Environmentally Relevant Concentrations of Microplastics. <i>Environmental Science & Technology</i> , 2019, 53, 8426-8436.	4.6	81
32	Effect of salinity on acute copper and zinc toxicity to <i>Tigriopus japonicus</i> : The difference between metal ions and nanoparticles. <i>Marine Pollution Bulletin</i> , 2014, 85, 526-531.	2.3	79
33	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.	1.9	76
34	Significance of adverse outcome pathways in biomarker-based environmental risk assessment in aquatic organisms. <i>Journal of Environmental Sciences</i> , 2015, 35, 115-127.	3.2	76
35	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.	0.4	73
36	Sequence, biochemical characteristics and expression of a novel Sigma-class of glutathione S-transferase from the intertidal copepod, <i>Tigriopus japonicus</i> with a possible role in antioxidant defense. <i>Chemosphere</i> , 2007, 69, 893-902.	4.2	69

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37	Expression Pattern of Entire Cytochrome P450 Genes and Response of Defensomes in the Benzo[a]pyrene-Exposed Monogonont Rotifer <i>Brachionus koreanus</i> . Environmental Science & Technology, 2013, 47, 13804-13812.	4.6	69
38	A new intertidal <i>Brachionus</i> and intrageneric phylogenetic relationships among <i>Brachionus</i> as revealed by allometry and CO1-ITS1 gene analysis. Zoological Studies, 2013, 52, .	0.3	68
39	Molecular cloning, expression, biochemical characteristics, and biomarker potential of theta class glutathione S-transferase (GST-T) from the polychaete <i>Neanthes succinea</i> . Aquatic Toxicology, 2007, 83, 104-115.	1.9	65
40	Effects of triclosan (TCS) on fecundity, the antioxidant system, and oxidative stress-mediated gene expression in the copepod <i>Tigriopus japonicus</i> . Aquatic Toxicology, 2017, 189, 16-24.	1.9	65
41	Parental co-exposure to bisphenol A and nano-TiO ₂ causes thyroid endocrine disruption and developmental neurotoxicity in zebrafish offspring. Science of the Total Environment, 2019, 650, 557-565.	3.9	64
42	Abhisin: A potential antimicrobial peptide derived from histone H2A of disk abalone (<i>Haliotis discus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.6	63
43	Effect of cadmium exposure on expression of antioxidant gene transcripts in the river pufferfish, <i>Takifugu obscurus</i> (Tetraodontiformes). Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2010, 152, 473-479.	1.3	63
44	Gamma radiation induces growth retardation, impaired egg production, and oxidative stress in the marine copepod <i>Paracyclops nana</i> . Aquatic Toxicology, 2014, 150, 17-26.	1.9	63
45	Toxicity mechanisms of arsenic compounds in aquatic organisms. Aquatic Toxicology, 2021, 237, 105901.	1.9	63
46	Molecular evidence for the existence of lipopolysaccharide-induced TNF- α factor (LITAF) and Rel/NF- κ B pathways in disk abalone (<i>Haliotis discus discus</i>). Fish and Shellfish Immunology, 2010, 28, 754-763.	1.6	62
47	The complete mitochondrial genome of the cyclopoid copepod <i>Paracyclops nana</i> : A highly divergent genome with novel gene order and atypical gene numbers. Gene, 2009, 435, 13-22.	1.0	61
48	Complete mitochondrial genome of the monogonont rotifer, <i>Brachionus koreanus</i> (Rotifera,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.6	61
49	The intertidal copepod <i>Tigriopus japonicus</i> small heat shock protein 20 gene (Hsp20) enhances thermotolerance of transformed <i>Escherichia coli</i> . Biochemical and Biophysical Research Communications, 2006, 340, 901-908.	1.0	59
50	Nonylphenol modulates expression of androgen receptor and estrogen receptor genes differently in gender types of the hermaphroditic fish <i>Rivulus marmoratus</i> . Biochemical and Biophysical Research Communications, 2006, 346, 213-223.	1.0	59
51	Effects of bisphenol A and its analogs bisphenol F and S on life parameters, antioxidant system, and response of defensome in the marine rotifer <i>Brachionus koreanus</i> . Aquatic Toxicology, 2018, 199, 21-29.	1.9	59
52	Key mechanisms of micro- and nanoplastic (MNP) toxicity across taxonomic groups. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2021, 247, 109056.	1.3	59
53	Copper toxicity in the marine copepod <i>Tigriopus japonicus</i> : Low variability and high reproducibility of repeated acute and life-cycle tests. Marine Pollution Bulletin, 2008, 57, 632-636.	2.3	58
54	Recent moon jelly (<i>Aurelia</i> sp.1) blooms in Korean coastal waters suggest global expansion: examples inferred from mitochondrial COI and nuclear ITS-5.8S rDNA sequences. ICES Journal of Marine Science, 2008, 65, 443-452.	1.2	58

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55	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.	1.9	57
56	Omics of the marine medaka (<i>Oryzias melastigma</i>) and its relevance to marine environmental research. <i>Marine Environmental Research</i> , 2016, 113, 141-152.	1.1	56
57	Two-generation toxicity study on the copepod model species <i>Tigriopus japonicus</i> . <i>Chemosphere</i> , 2008, 72, 1359-1365.	4.2	55
58	Expression profiles of seven glutathione S-transferase (GST) genes in cadmium-exposed river pufferfish (<i>Takifugu obscurus</i>). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2010, 151, 99-106.	1.3	55
59	The difference between temperate and tropical saltwater species's acute sensitivity to chemicals is relatively small. <i>Chemosphere</i> , 2014, 105, 31-43.	4.2	54
60	Marine Algaliculous Endophytic Fungi - A Promising Drug Resource of the Era. <i>Journal of Microbiology and Biotechnology</i> , 2017, 27, 1039-1052.	0.9	54
61	Phylogenetic relationships of Acheilognathidae (Cypriniformes: Cyprinoidea) as revealed from evidence of both nuclear and mitochondrial gene sequence variation: Evidence for necessary taxonomic revision in the family and the identification of cryptic species. <i>Molecular Phylogenetics and Evolution</i> , 2014, 81, 182-194.	1.2	53
62	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.	1.9	53
63	Radiation promotes invasiveness of non-small-cell lung cancer cells through granulocyte-colony-stimulating factor. <i>Oncogene</i> , 2015, 34, 5372-5382.	2.6	53
64	ATP-binding cassette (ABC) proteins in aquatic invertebrates: Evolutionary significance and application in marine ecotoxicology. <i>Aquatic Toxicology</i> , 2017, 185, 29-39.	1.9	53
65	Gene expression profiling of copper-induced responses in the intertidal copepod <i>Tigriopus japonicus</i> using a 6K oligochip microarray. <i>Aquatic Toxicology</i> , 2009, 93, 177-187.	1.9	52
66	Defensin from disk abalone <i>Haliotis discus discus</i> : Molecular cloning, sequence characterization and immune response against bacterial infection. <i>Fish and Shellfish Immunology</i> , 2010, 28, 261-266.	1.6	52
67	The genome of the freshwater monogonont rotifer <i>Brachionus calyciflorus</i> . <i>Molecular Ecology Resources</i> , 2018, 18, 646-655.	2.2	52
68	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.	4.6	51
69	Comprehensive transcriptome analysis of differentiation of embryonic stem cells into midbrain and hindbrain neurons. <i>Developmental Biology</i> , 2004, 265, 491-501.	0.9	50
70	Methyltestosterone efficiently induces male development in the self-fertilizing hermaphrodite fish, <i>Kryptolebias marmoratus</i> . <i>Genesis</i> , 2006, 44, 495-503.	0.8	50
71	Whole Spectrum of Cytochrome P450 Genes and Molecular Responses to Water-Accommodated Fractions Exposure in the Marine Medaka. <i>Environmental Science & Technology</i> , 2013, 47, 4804-4812.	4.6	50
72	The cytochrome P450 1A gene (CYP1A) from European flounder (<i>Platichthys flesus</i>), analysis of regulatory regions and development of a dual luciferase reporter gene system. <i>Marine Environmental Research</i> , 2000, 50, 1-6.	1.1	49

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73	Cloning of a river pufferfish (<i>Takifugu obscurus</i>) metallothionein cDNA and study of its induction profile in cadmium-exposed fish. <i>Chemosphere</i> , 2008, 71, 1251-1259.	4.2	46
74	Allograft inflammatory factor-1 in disk abalone (<i>Haliotis discus discus</i>): Molecular cloning, transcriptional regulation against immune challenge and tissue injury. <i>Fish and Shellfish Immunology</i> , 2010, 29, 319-326.	1.6	46
75	Bisphenol A modulates expression of sex differentiation genes in the self-fertilizing fish, <i>Kryptolebias marmoratus</i> . <i>Aquatic Toxicology</i> , 2011, 104, 218-229.	1.9	46
76	Tris (1, 3-dichloro-2-propyl) phosphate induces apoptosis and autophagy in SH-SY5Y cells: Involvement of ROS-mediated AMPK/mTOR/ULK1 pathways. <i>Food and Chemical Toxicology</i> , 2017, 100, 183-196.	1.8	46
77	Effects of ocean acidification on copepods. <i>Aquatic Toxicology</i> , 2018, 196, 17-24.	1.9	46
78	Structure, expression and activation of fish ras genes. <i>Aquatic Toxicology</i> , 2001, 55, 1-21.	1.9	44
79	Effect of culture density and antioxidants on naupliar production and gene expression of the cyclopoid copepod, <i>Paracyclops nana</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2012, 161, 145-152.	0.8	44
80	Adverse effects of methylmercury (MeHg) on life parameters, antioxidant systems, and MAPK signaling pathways in the rotifer <i>Brachionus koreanus</i> and the copepod <i>Paracyclops nana</i> . <i>Aquatic Toxicology</i> , 2017, 190, 181-189.	1.9	44
81	Molecular cloning and characterization of Γ -class glutathione S-transferase (GST-T) from the hermaphroditic fish <i>Rivulus marmoratus</i> and biochemical comparisons with Γ -class glutathione S-transferase (GST-A). <i>Biochemical and Biophysical Research Communications</i> , 2006, 346, 1053-1061.	1.0	43
82	Validation of housekeeping genes as internal controls for studying biomarkers of endocrine-disrupting chemicals in disk abalone by real-time PCR. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2011, 153, 259-268.	1.3	42
83	Effect of pharmaceuticals exposure on acetylcholinesterase (AChE) activity and on the expression of AChE gene in the monogonont rotifer, <i>Brachionus koreanus</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2013, 158, 216-224.	1.3	42
84	Arsenic exposure combined with nano- or microplastic induces different effects in the marine rotifer <i>Brachionus plicatilis</i> . <i>Aquatic Toxicology</i> , 2021, 233, 105772.	1.9	42
85	<i>Kryptolebias marmoratus</i> (Poey, 1880): a potential model species for molecular carcinogenesis and ecotoxicogenomics. <i>Journal of Fish Biology</i> , 2008, 72, 1871-1889.	0.7	41
86	Molecular cloning, phylogenetic analysis and developmental expression of a vitellogenin (Vg) gene from the intertidal copepod <i>Tigriopus japonicus</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2008, 150, 395-402.	0.7	41
87	Differential expression of metallothionein (MT) gene by trace metals and endocrine-disrupting chemicals in the hermaphroditic mangrove killifish, <i>Kryptolebias marmoratus</i> . <i>Ecotoxicology and Environmental Safety</i> , 2009, 72, 206-212.	2.9	41
88	Gender-specific modulation of immune system complement gene expression in marine medaka <i>Oryzias melastigma</i> following dietary exposure of BDE-47. <i>Environmental Science and Pollution Research</i> , 2012, 19, 2477-2487.	2.7	41
89	The complete mitochondrial genome of the rockfish <i>Sebastes schlegelii</i> (Scorpaeniformes, Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 62 T	1.0	41
90	Triclosan (TCS) and Triclocarban (TCC) cause lifespan reduction and reproductive impairment through oxidative stress-mediated expression of the defensome in the monogonont rotifer () Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 T Pharmacology, 2016, 185-186, 131-137.	1.3	40

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91	Sequence analysis of genomic DNA (680 Mb) by GS-FLX-Titanium sequencer in the monogonont rotifer, <i>Brachionus ibericus</i> . <i>Hydrobiologia</i> , 2011, 662, 65-75.	1.0	39
92	Modulated expression and enzymatic activity of the monogonont rotifer <i>Brachionus koreanus</i> Cu/Zn- and Mn-superoxide dismutase (SOD) in response to environmental biocides. <i>Chemosphere</i> , 2015, 120, 470-478.	4.2	39
93	UV-B radiation-induced oxidative stress and p38 signaling pathway involvement in the benthic copepod <i>Tigriopus japonicus</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2015, 167, 15-23.	1.3	39
94	The genome of the marine monogonont rotifer <i>Brachionus plicatilis</i> : Genome-wide expression profiles of 28 cytochrome P450 genes in response to chlorpyrifos and 2-ethyl-phenanthrene. <i>Aquatic Toxicology</i> , 2019, 214, 105230.	1.9	39
95	Hypoxia Causes Transgenerational Impairment of Ovarian Development and Hatching Success in Fish. <i>Environmental Science & Technology</i> , 2019, 53, 3917-3928.	4.6	39
96	A comparative analysis of the complete mitochondrial genome of the Eurasian otter <i>Lutra lutra</i> (Carnivora; Mustelidae). <i>Molecular Biology Reports</i> , 2010, 37, 1943-1955.	1.0	38
97	Genome-wide identification of whole ATP-binding cassette (ABC) transporters in the intertidal copepod <i>Tigriopus japonicus</i> . <i>BMC Genomics</i> , 2014, 15, 651.	1.2	38
98	Effects of benzo[a]pyrene on whole cytochrome P450-involved molecular responses in the marine medaka <i>Oryzias melastigma</i> . <i>Aquatic Toxicology</i> , 2014, 152, 232-243.	1.9	38
99	Global Proteome Profiling of a Marine Copepod and the Mitigating Effect of Ocean Acidification on Mercury Toxicity after Multigenerational Exposure. <i>Environmental Science & Technology</i> , 2017, 51, 5820-5831.	4.6	38
100	Cytochrome b (Cyt-b) gene sequence analysis in six flatfish species (Teleostei, Pleuronectidae), with phylogenetic and taxonomic insights. <i>Marine Biology</i> , 2007, 152, 757-773.	0.7	37
101	P-glycoprotein (P-gp) in the monogonont rotifer, <i>Brachionus koreanus</i> : Molecular characterization and expression in response to pharmaceuticals. <i>Aquatic Toxicology</i> , 2012, 114-115, 104-118.	1.9	37
102	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.	1.1	36
103	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.	1.9	36
104	Combined exposure to microplastics and zinc produces sex-specific responses in the water flea <i>Daphnia magna</i> . <i>Journal of Hazardous Materials</i> , 2021, 420, 126652.	6.5	36
105	The copepod <i>Tigriopus japonicus</i> genomic DNA information (574Mb) and molecular anatomy. <i>Marine Environmental Research</i> , 2010, 69, S21-S23.	1.1	35
106	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.	1.9	35
107	Tris (1,3-dichloro-2-propyl) phosphate-induced apoptotic signaling pathways in SH-SY5Y neuroblastoma cells. <i>NeuroToxicology</i> , 2017, 58, 1-10.	1.4	35
108	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.	2.3	35

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109	Genome-wide identification and expression of the entire 52 glutathione S-transferase (GST) subfamily genes in the Cu ²⁺ -exposed marine copepods <i>Tigriopus japonicus</i> and <i>Paracyclopsina nana</i> . <i>Aquatic Toxicology</i> , 2019, 209, 56-69.	1.9	35
110	Phylogeography of the copepod <i>Tigriopus japonicus</i> along the Northwest Pacific rim. <i>Journal of Plankton Research</i> , 2008, 31, 209-221.	0.8	34
111	BDE-47 induces oxidative stress, activates MAPK signaling pathway, and elevates de novo lipogenesis in the copepod <i>Paracyclopsina nana</i> . <i>Aquatic Toxicology</i> , 2016, 181, 104-112.	1.9	34
112	Interrelationship of salinity shift with oxidative stress and lipid metabolism in the monogonont rotifer <i>Brachionus koreanus</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2017, 214, 79-84.	0.8	34
113	Zinc Pyrithione (ZnPT) as an Antifouling Biocide in the Marine Environment—a Literature Review of Its Toxicity, Environmental Fates, and Analytical Methods. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	1.1	34
114	Adverse effects of a synthetic pyrethroid insecticide cypermethrin on life parameters and antioxidant responses in the marine copepods <i>Paracyclopsina nana</i> and <i>Tigriopus japonicus</i> . <i>Chemosphere</i> , 2019, 217, 383-392.	4.2	34
115	The complete mitochondrial genome of the floating goby, <i>Gymnogobius petschiliensis</i> (Perciformes,). <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50</i>	1.0	34
116	cDNA cloning and expression of a cytochrome P450 1A (CYP1A) gene from the hermaphroditic fish <i>Rivulus marmoratus</i> . <i>Marine Pollution Bulletin</i> , 2005, 51, 769-775.	2.3	33
117	Cloning and characterization of glutathione S-transferase gene in the intertidal copepod <i>Tigriopus japonicus</i> and its expression after exposure to endocrine-disrupting chemicals. <i>Marine Environmental Research</i> , 2006, 62, S219-S223.	1.1	33
118	The complete mitogenome of the hydrothermal vent crab <i>Xenograpsus testudinatus</i> (Decapoda,). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i> <i>Genomics and Proteomics</i> , 2009, 4, 290-299.	0.4	33
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311	Transcriptional profiles of Rel/NF- κ B, inhibitor of NF- κ B (I κ B), and lipopolysaccharide-induced TNF- α factor (LITAF) in the lipopolysaccharide (LPS) and two <i>Vibrio</i> sp.-exposed intertidal copepod, <i>Tigriopus japonicus</i> . <i>Developmental and Comparative Immunology</i> , 2014, 42, 229-239.	1.0	9
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339	Complete mitochondrial genome of the sand lamprey, <i>Lampetra reissneri</i> (Petromyzontiformes). <i>TJ ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 30</i>	0.6	7
340	Complete mitochondrial genome of the freshwater sculpin <i>Cottus hangiongensis</i> (Scorpaeniformes). <i>TJ ETQq0 0 0 rgBT /Overlock 10 Tf 50 30</i>	0.6	7
341	Complete mitochondrial genome of the freshwater fish, <i>Acheilognathus somjinensis</i> (Cypriniformes). <i>TJ ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 30</i>	0.6	7
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344	Complete mitochondrial genome of the jellyfish, <i>Chrysaora quinquecirrha</i> (Cnidaria, Scyphozoa). <i>Mitochondrial DNA</i> , 2014, 25, 25-26.	0.6	7
345	Complete mitochondrial genome of the moon jellyfish, <i>Aurelia</i> sp. nov. (Cnidaria, Scyphozoa). <i>Mitochondrial DNA</i> , 2014, 25, 27-28.	0.6	7
346	Identification and molecular characterization of dorsal and dorsal-like genes in the cyclopoid copepod <i>Paracyclops nana</i> . <i>Marine Genomics</i> , 2015, 24, 319-327.	0.4	7
347	Ecdysone receptor (EcR) and ultraspiracle (USP) genes from the cyclopoid copepod <i>Paracyclops nana</i> : Identification and expression in response to water accommodated fractions (WAFs). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2017, 192, 7-15.	1.3	7
348	RNA-Seq-based transcriptome profiling and expression of 16 cytochrome P450 genes in the benzo[a]pyrene-exposed estuarine copepod <i>Eurytemora affinis</i> . <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2018, 28, 142-150.	0.4	7
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354	Effects of salinity and temperature on reproductivity and fatty acid synthesis in the marine rotifer <i>Brachionus rotundiformis</i> . <i>Aquaculture</i> , 2022, 546, 737282.	1.7	7
355	Iron reproductive toxicity of marine rotifer sibling species: Adaptation to temperate and tropical habitats. <i>Aquatic Toxicology</i> , 2022, 246, 106135.	1.9	7
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357	Nucleotide Sequence of Exon 2 to 4 of the R-ras Gene in the Hermaphroditic Fish <i>Rivulus marmoratus</i> . <i>DNA Sequence</i> , 1998, 8, 229-234.	0.7	6
358	Teratogenic effects of N-ethyl-N-nitrosourea (ENU) on larvae of the self-fertilizing fish <i>Rivulus marmoratus</i> (Cyprinodontiformes, Rivulidae). <i>Teratogenesis, Carcinogenesis, and Mutagenesis</i> , 2002, 22, 363-367.	0.8	6
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363	Complete mitochondrial genome of the river lamprey, <i>Lampetra japonica</i> (Petromyzontiformes). <i>Tj ETQq1 1 0,784314 rgBT /Overlock 10 Tf 50</i>	0.6	6
364	Complete mitochondrial genome of the Korean bitterling <i>Acheilognathus koreensis</i> (Cypriniformes). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i>	0.6	6
365	Identification of three doublesex genes in the monogonont rotifer <i>Brachionus koreanus</i> and their transcriptional responses to environmental stressor-triggered population growth retardation. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2014, 174, 36-44.	0.7	6
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384	Complete mitochondrial genome of the calanoid copepod <i>Eurytemora affinis</i> (Calanoida,) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5</i>	0.2	5
385	The genome of the Java medaka (<i>Oryzias javanicus</i>): Potential for its use in marine molecular ecotoxicology. <i>Marine Pollution Bulletin</i> , 2020, 154, 111118.	2.3	5
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391	Complete mitochondrial genome of the boreal digging frog <i>Kaloula borealis</i> (Anura,) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5</i>	0.6	4
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398	Genome-wide identification of DNA double-strand break repair genes and transcriptional modulation in response to benzo[<i>a</i>]pyrene in the monogonont rotifer <i>Brachionus</i> spp.. Aquatic Toxicology, 2020, 227, 105614.	1.9	4
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400	Protective role of the freshwater rotifer <i>Brachionus calyciflorus</i> glutathione S-transferase zeta 3 recombinant protein in response to Hg and Cd. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2020, 243-244, 110435.	0.7	4
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406	Complete mitochondrial genome of the striped bitterling <i>Acheilognathus yamatsutae</i> (Cypriniformes;) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.6	3
407	Complete mitochondrial genome of the freshwater gudgeon, <i>Gobiobotia brevibarba</i> (Cypriniformes;) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	0.6	3
408	Identification of the retinoblastoma (Rb) gene and expression in response to environmental stressors in the intertidal copepod <i>Tigriopus japonicus</i> . Marine Genomics, 2015, 24, 387-396.	0.4	3
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411	Identification and conservation of gene loss events of <i>Hox</i> gene clusters in the marine medaka (<i>Oryzias melastigma</i>). Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2016, 326, 387-393.	0.6	3
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434	The genome of the freshwater monogonont rotifer <i>Brachionus rubens</i> : Identification of phase I, II, and III detoxification genes. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2022, 42, 100979.	0.4	1
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