

Jae-Sung Rhee

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8767054/jae-sung-rhee-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

171
papers

2,982
citations

30
h-index

44
g-index

182
ext. papers

3,465
ext. citations

3.5
avg, IF

5.26
L-index

#	Paper	IF	Citations
171	Complete mitochondrial genome of the six-line wrasse (Labriformes, Labridae).. <i>Mitochondrial DNA Part B: Resources</i> , 2022 , 7, 167-169	0.5	0
170	Long-term exposure to antifouling biocide chlorothalonil modulates immunity and biochemical and antioxidant parameters in the blood of olive flounder.. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2022 , 257, 109337	3.2	0
169	The complete mitochondrial genome of (Perciformes: Cichlidae). <i>Mitochondrial DNA Part B: Resources</i> , 2021 , 6, 3487-3489	0.5	1
168	Chronic exposure to sublethal concentrations of saxitoxin reduces antioxidant activity and immunity in zebrafish but does not affect reproductive parameters.. <i>Aquatic Toxicology</i> , 2021 , 243, 106070	5.1	0
167	Effects of extremely high concentrations of polystyrene microplastics on asexual reproduction and nematocyst discharge in the jellyfish <i>Sanderia malayensis</i> . <i>Science of the Total Environment</i> , 2021 , 807, 150988	10.2	0
166	The complete mitochondrial genome of the terebellid polychaete (Terebellida; Terebellidae). <i>Mitochondrial DNA Part B: Resources</i> , 2021 , 6, 3114-3116	0.5	1
165	The dinoflagellate <i>Alexandrium</i> affine acutely induces significant modulations on innate immunity, hepatic function, and antioxidant defense system in the gill and liver tissues of red seabream. <i>Aquatic Toxicology</i> , 2021 , 240, 105985	5.1	2
164	The linear mitochondrial genome of commensal hydroid (, ,). <i>Mitochondrial DNA Part B: Resources</i> , 2021 , 6, 1082-1084	0.5	0
163	Consistent exposure to microplastics induces age-specific physiological and biochemical changes in a marine mysid. <i>Marine Pollution Bulletin</i> , 2021 , 162, 111850	6.7	7
162	The first complete mitochondrial genome from the family Solasteridae, (Echinodermata, Asteroidea). <i>Mitochondrial DNA Part B: Resources</i> , 2021 , 6, 45-47	0.5	
161	Complete mitochondrial genome of the marine polychaete, (Phyllodocida, Nereididae) isolated from the Beaufort Sea. <i>Mitochondrial DNA Part B: Resources</i> , 2021 , 6, 231-233	0.5	2
160	Biochemical and physiological responses of the water flea <i>Moina macrocopa</i> to microplastics: a multigenerational study. <i>Molecular and Cellular Toxicology</i> , 2021 , 17, 523-532	1.6	3
159	Characterization and phylogenetic analysis of the complete mitochondrial genome of the polychaete,. <i>Mitochondrial DNA Part B: Resources</i> , 2021 , 6, 3038-3040	0.5	1
158	Characterization of the complete mitochondrial genome of the scale worm, (Phyllodocida; Polynoidea) from the Beaufort Sea. <i>Mitochondrial DNA Part B: Resources</i> , 2021 , 6, 2835-2837	0.5	0
157	Exposure to metals premixed with microplastics increases toxicity through bioconcentration and impairs antioxidant defense and cholinergic response in a marine mysid. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2021 , 249, 109142	3.2	3
156	Physiological and molecular responses of the Antarctic harpacticoid copepod <i>Tigriopus kingsejongensis</i> to salinity fluctuations - A multigenerational study. <i>Environmental Research</i> , 2021 , 204, 112075	7.9	2
155	Benzo[<i>a</i>]pyrene constrains embryo development via oxidative stress induction and modulates the transcriptional responses of molecular biomarkers in the marine medaka. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2020 , 55, 1050-1058	2.3	3

154	Polystyrene microplastics induce mortality through acute cell stress and inhibition of cholinergic activity in a brine shrimp. <i>Molecular and Cellular Toxicology</i> , 2020 , 16, 233-243	1.6	16
153	Inorganic nitrogen compounds reduce immunity and induce oxidative stress in red seabream. <i>Fish and Shellfish Immunology</i> , 2020 , 104, 237-244	4.3	5
152	Exposure to sublethal concentrations of zinc pyriithione inhibits growth and survival of marine polychaete through induction of oxidative stress and DNA damage. <i>Marine Pollution Bulletin</i> , 2020 , 156, 111276	6.7	6
151	Complete mitochondrial genome of the lemon damsel, (Perciformes, Pomacentridae). <i>Mitochondrial DNA Part B: Resources</i> , 2020 , 5, 2157-2158	0.5	2
150	Complete mitochondrial genome of the marine polychaete (Phyllodocida, Nereididae). <i>Mitochondrial DNA Part B: Resources</i> , 2020 , 5, 850-851	0.5	2
149	Complete mitochondrial genome of the crinoid echinoderm, species (Echinodermata, Crinoidea). <i>Mitochondrial DNA Part B: Resources</i> , 2020 , 5, 852-853	0.5	3
148	Development and Evaluation of Olive Flounder -Luciferase Assay for Effective Detection of CYP1A-Inducing Contaminants in Coastal Sediments. <i>Environmental Science & Technology</i> , 2020 , 54, 15170-15179	10.3	1
147	Analysis of effects of environmental fluctuations on the marine mysid <i>Neomysis awatschensis</i> and its development as an experimental model animal. <i>Journal of Sea Research</i> , 2020 , 156, 101834	1.9	4
146	Chromosomal-level assembly of <i>Takifugu obscurus</i> (Abe, 1949) genome using third-generation DNA sequencing and Hi-C analysis. <i>Molecular Ecology Resources</i> , 2020 , 20, 520-530	8.4	11
145	Prolonged exposure to hypoxia inhibits the growth of Pacific abalone by modulating innate immunity and oxidative status. <i>Aquatic Toxicology</i> , 2020 , 227, 105596	5.1	7
144	Constant and intermittent hypoxia modulates immunity, oxidative status, and blood components of red seabream and increases its susceptibility to the acute toxicity of red tide dinoflagellate. <i>Fish and Shellfish Immunology</i> , 2020 , 105, 286-296	4.3	4
143	Temperature elevation stage-specifically increases metal toxicity through bioconcentration and impairment of antioxidant defense systems in juvenile and adult marine mysids. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2020 , 237, 108831	3.2	0
142	Complete mitochondrial genome of the Greenland wolf,. <i>Mitochondrial DNA Part B: Resources</i> , 2019 , 4, 2836-2838	0.5	0
141	De novo Assembly and Annotation of the Blood Transcriptome of the Southern Elephant Seal <i>Mirounga leonina</i> from the South Shetland Islands, Antarctica. <i>Ocean Science Journal</i> , 2019 , 54, 307-315	1.1	2
140	Red tide dinoflagellate <i>Cochlodinium polykrikoides</i> induces significant oxidative stress and DNA damage in the gill tissue of the red seabream <i>Pagrus major</i> . <i>Harmful Algae</i> , 2019 , 86, 37-45	5.3	10
139	Effects of sublethal concentrations of the antifouling biocide Sea-Nine on biochemical parameters of the marine polychaete <i>Perinereis aibuhitensis</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2019 , 222, 125-134	3.2	5
138	Waterborne manganese modulates immunity, biochemical, and antioxidant parameters in the blood of red seabream and black rockfish. <i>Fish and Shellfish Immunology</i> , 2019 , 88, 546-555	4.3	12
137	Chlorothalonil induces oxidative stress and reduces enzymatic activities of Na ⁺ /K ⁺ -ATPase and acetylcholinesterase in gill tissues of marine bivalves. <i>PLoS ONE</i> , 2019 , 14, e0214236	3.7	29

136	Endosulfan Induces Embryotoxicity in the Marine Medaka <i>Oryzias javanicus</i> . <i>Toxicology and Environmental Health Sciences</i> , 2019 , 11, 19-26	1.9	6
135	Complete mitochondrial genome of the marine mysid sp. (Crustacea, Mysida, Mysidae). <i>Mitochondrial DNA Part B: Resources</i> , 2019 , 4, 2400-2402	0.5	0
134	Waterborne zinc pyrithione modulates immunity, biochemical, and antioxidant parameters in the blood of olive flounder. <i>Fish and Shellfish Immunology</i> , 2019 , 92, 469-479	4.3	5
133	Blood transcriptome resources of chinstrap (<i>Pygoscelis antarcticus</i>) and gentoo (<i>Pygoscelis papua</i>) penguins from the South Shetland Islands, Antarctica. <i>Genomics and Informatics</i> , 2019 , 17, e5	1.9	1
132	Complete mitochondrial genome of the Arctic hare., <i>Mitochondrial DNA Part B: Resources</i> , 2019 , 4, 3621-3623	3.6	3
131	Long-term exposure to waterborne nonylphenol alters reproductive physiological parameters in economically important marine fish. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2019 , 216, 10-18	3.2	12
130	Transcriptome profiling suggests roles of innate immunity and digestion metabolism in purplish Washington clam. <i>Genes and Genomics</i> , 2019 , 41, 183-191	2.1	4
129	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	5.1	14
128	Recent Developments in Thiolated Polymeric Hydrogels for Tissue Engineering Applications. <i>Tissue Engineering - Part B: Reviews</i> , 2018 , 24, 66-74	7.9	30
127	Age-dependent antioxidant responses to the bioconcentration of microcystin-LR in the mysid crustacean, <i>Neomysis awatschensis</i> . <i>Environmental Pollution</i> , 2018 , 232, 284-292	9.3	20
126	Effects of Polychlorinated Biphenyls on Survival, Growth, and Offspring Production of the Mysid Crustacean, <i>Neomysis awatschensis</i> . <i>Toxicology and Environmental Health Sciences</i> , 2018 , 10, 132-138	1.9	1
125	Bisphenol A Induces a Distinct Transcriptome Profile in the Male Fish of the Marine Medaka <i>Oryzias javanicus</i> . <i>Biochip Journal</i> , 2018 , 12, 25-37	4	8
124	Plasma biomarkers in juvenile marine fish provide evidence for endocrine modulation potential of organotin compounds. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2018 , 210, 35-43	3.2	1
123	Transcriptional profiling of antioxidant defense system and heat shock protein (Hsp) families in the cadmium- and copper-exposed marine ciliate <i>Euplotes crassus</i> . <i>Genes and Genomics</i> , 2018 , 40, 85-98	2.1	8
122	De novo transcriptome assembly of brackish water flea based on short-term cadmium and benzo[<i>a</i>]pyrene exposure experiments. <i>Hereditas</i> , 2018 , 155, 36	2.4	13
121	Nonylphenol induces mortality and reduces hatching rate through increase of oxidative stress and dysfunction of antioxidant defense system in marine medaka embryo. <i>Molecular and Cellular Toxicology</i> , 2018 , 14, 437-444	1.6	13
120	Constant exposure to environmental concentrations of the antifouling biocide Sea-Nine retards growth and reduces acetylcholinesterase activity in a marine mysid. <i>Aquatic Toxicology</i> , 2018 , 205, 165-173	5.1	15
119	Waterborne Phenanthrene Modulates Immune, Biochemical, and Antioxidant Parameters in the Bloods of Juvenile Olive Flounder. <i>Toxicology and Environmental Health Sciences</i> , 2018 , 10, 194-202	1.9	6

118	Comparative Toxicokinetics and Antioxidant Response in the Microcystin-LR-Exposed Gill of Two Marine Bivalves, <i>Crassostrea gigas</i> and <i>Mytilus edulis</i> . <i>Journal of Shellfish Research</i> , 2018 , 37, 497-506	1	3
117	Dose- and age-specific antioxidant responses of the mysid crustacean <i>Neomysis awatschensis</i> to metal exposure. <i>Aquatic Toxicology</i> , 2018 , 201, 21-30	5.1	21
116	De novo assembly and annotation of the blood transcriptome of the southern giant petrel <i>Macronectes giganteus</i> from the South Shetland Islands, Antarctica. <i>Marine Genomics</i> , 2018 , 42, 63-66	1.9	1
115	Exposure to sublethal concentrations of tributyltin reduced survival, growth, and 20-hydroxyecdysone levels in a marine mysid. <i>Marine Environmental Research</i> , 2018 , 140, 96-103	3.3	14
114	Comparative analysis of distinctive transcriptome profiles with biochemical evidence in bisphenol S- and benzo[a]pyrene-exposed liver tissues of the olive flounder <i>Paralichthys olivaceus</i> . <i>PLoS ONE</i> , 2018 , 13, e0196425	3.7	13
113	Diversity, distribution, and significance of transposable elements in the genome of the only selfing hermaphroditic vertebrate <i>Kryptolebias marmoratus</i> . <i>Scientific Reports</i> , 2017 , 7, 40121	4.9	21
112	Microcystin-LR bioconcentration induces antioxidant responses in the digestive gland of two marine bivalves <i>Crassostrea gigas</i> and <i>Mytilus edulis</i> . <i>Aquatic Toxicology</i> , 2017 , 188, 119-129	5.1	20
111	Transcriptome response of the Pacific oyster, <i>Crassostrea gigas</i> susceptible to thermal stress: A comparison with the response of tolerant oyster. <i>Molecular and Cellular Toxicology</i> , 2017 , 13, 105-113	1.6	32
110	Non-target effects of antifouling agents on mortality, hatching success, and acetylcholinesterase activity in the brine shrimp <i>Artemia salina</i> . <i>Toxicology and Environmental Health Sciences</i> , 2017 , 9, 237-243	1.9	7
109	Alternative Splicing Profile and Sex-Preferential Gene Expression in the Female and Male Pacific Abalone <i>Haliotis discus hannai</i> . <i>Genes</i> , 2017 , 8,	4.2	29
108	Sublethal concentrations of atrazine promote molecular and biochemical changes in the digestive gland of the Pacific oyster <i>Crassostrea gigas</i> . <i>Toxicology and Environmental Health Sciences</i> , 2017 , 9, 50-58	1.9	10
107	Transcriptome profiles of <i>Daphnia magna</i> across to the different water chemistry of surface water of the Korean Demilitarized Zone. <i>Toxicology and Environmental Health Sciences</i> , 2017 , 9, 188-198	1.9	4
106	Thermal stress induces a distinct transcriptome profile in the Pacific oyster <i>Crassostrea gigas</i> . <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2016 , 19, 62-70	2	17
105	Effects of chlorpyrifos on life cycle parameters, cytochrome P450S expression, and antioxidant systems in the monogonont rotifer <i>Brachionus koreanus</i> . <i>Environmental Toxicology and Chemistry</i> , 2016 , 35, 1449-57	3.8	17
104	Correlation between the DNA methyltransferase (Dnmt) gene family and genome-wide 5-methylcytosine (5mC) in rotifer, copepod, and fish. <i>Genes and Genomics</i> , 2016 , 38, 13-23	2.1	7
103	Omics of the marine medaka (<i>Oryzias melastigma</i>) and its relevance to marine environmental research. <i>Marine Environmental Research</i> , 2016 , 113, 141-52	3.3	38
102	Identification and molecular characterization of nitric oxide synthase (NOS) gene in the intertidal copepod <i>Tigriopus japonicus</i> . <i>Gene</i> , 2016 , 577, 47-54	3.8	4
101	Transcriptome profiling of the Pacific oyster <i>Crassostrea gigas</i> by Illumina RNA-seq. <i>Genes and Genomics</i> , 2016 , 38, 359-365	2.1	6

100	Effects of Antifouling Biocides on Molecular and Biochemical Defense System in the Gill of the Pacific Oyster <i>Crassostrea gigas</i> . <i>PLoS ONE</i> , 2016 , 11, e0168978	3.7	29
99	Conservation of Hox gene clusters in the self-fertilizing fish <i>Kryptolebias marmoratus</i> (Cyprinodontiformes; Rivulidae). <i>Journal of Fish Biology</i> , 2016 , 88, 1249-56	1.9	4
98	Bisphenol A causes mortality and reduced hatching success through increase of cell damage and dysfunction of antioxidant defense system in marine medaka embryo. <i>Toxicology and Environmental Health Sciences</i> , 2016 , 8, 290-295	1.9	10
97	Genomic organization and transcriptional modulation in response to endocrine disrupting chemicals of three vitellogenin genes in the self-fertilizing fish <i>Kryptolebias marmoratus</i> . <i>Journal of Environmental Sciences</i> , 2016 , 42, 187-195	6.4	14
96	Genome-wide identification and transcript profile of the whole cathepsin superfamily in the intertidal copepod <i>Tigriopus japonicus</i> . <i>Developmental and Comparative Immunology</i> , 2015 , 53, 1-12	3.2	6
95	Light-dependent transcriptional events during resting egg hatching of the rotifer <i>Brachionus manjavacas</i> . <i>Marine Genomics</i> , 2015 , 20, 25-31	1.9	12
94	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	2	9
93	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	1.9	3
92	Early expansion and expression of the lipopolysaccharide (LPS)-induced TNF- α factor (LITAF) gene family in the LPS-exposed monogonont rotifer <i>Brachionus koreanus</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2015 , 188, 15-23	2.3	2
91	Transcriptome profiling of larvae of the marine medaka <i>Oryzias melastigma</i> by Illumina RNA-seq. <i>Marine Genomics</i> , 2015 , 24 Pt 3, 255-8	1.9	11
90	Identification and molecular characterization of dorsal and dorsal-like genes in the cyclopoid copepod <i>Paracyclops nana</i> . <i>Marine Genomics</i> , 2015 , 24 Pt 3, 319-27	1.9	5
89	Potential applications of nuisance microalgae blooms. <i>Journal of Applied Phycology</i> , 2015 , 27, 1223-1234	3.2	21
88	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, 147-56	3.2	5
87	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, 470-8	8.4	32
86	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	3.2	30
85	Dose- and time-dependent expression of aryl hydrocarbon receptor (AhR) and aryl hydrocarbon receptor nuclear translocator (ARNT) in PCB-, B[a]P-, and TBT-exposed intertidal copepod <i>Tigriopus japonicus</i> . <i>Chemosphere</i> , 2015 , 120, 398-406	8.4	25
84	Marine medaka ATP-binding cassette (ABC) superfamily and new insight into teleost Abch nomenclature. <i>Scientific Reports</i> , 2015 , 5, 15409	4.9	18
83	Enaphthoflavone induces oxidative stress in the intertidal copepod, <i>Tigriopus japonicus</i> . <i>Environmental Toxicology</i> , 2015 , 30, 332-42	4.2	12

82	Identification of the retinoblastoma (Rb) gene and expression in response to environmental stressors in the intertidal copepod <i>Tigriopus japonicus</i> . <i>Marine Genomics</i> , 2015 , 24 Pt 3, 387-96	1.9	3
81	Inhibitory effects of biocides on hatching and acetylcholinesterase activity in the brine shrimp <i>Artemia salina</i> . <i>Toxicology and Environmental Health Sciences</i> , 2015 , 7, 303-308	1.9	10
80	Ultraviolet radiation and cyanobacteria. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014 , 141, 154-69	6.7	105
79	Functional characterization of P-glycoprotein in the intertidal copepod <i>Tigriopus japonicus</i> and its potential role in remediating metal pollution. <i>Aquatic Toxicology</i> , 2014 , 156, 135-47	5.1	23
78	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	3.2	75
77	Nutritional effects on the visual system of the rotifer <i>Brachionus plicatilis sensu stricto</i> (Rotifera: Monogononta). <i>Journal of Experimental Marine Biology and Ecology</i> , 2014 , 460, 177-183	2.1	11
76	Transcriptome information of the Arctic green sea urchin and its use in environmental monitoring. <i>Polar Biology</i> , 2014 , 37, 1133-1144	2	4
75	Complete mitochondrial genome of the monogonont rotifer, <i>Brachionus koreanus</i> (Rotifera, Brachionidae). <i>Mitochondrial DNA</i> , 2014 , 25, 29-30		57
74	Whole genome data for omics-based research on the self-fertilizing fish <i>Kryptolebias marmoratus</i> . <i>Marine Pollution Bulletin</i> , 2014 , 85, 532-41	6.7	15
73	Cloning of circadian rhythmic pathway genes and perturbation of oscillation patterns in endocrine disrupting chemicals (EDCs)-exposed mangrove killifish <i>Kryptolebias marmoratus</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2014 , 164, 11-20	3.2	19
72	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, 229-39	3.2	7
71	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, 232-43	5.1	34
70	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	4.5	34
69	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	2.3	6
68	Genome-wide identification of nuclear receptor (NR) superfamily genes in the copepod <i>Tigriopus japonicus</i> . <i>BMC Genomics</i> , 2014 , 15, 993	4.5	14
67	Immune gene discovery in the crucian carp <i>Carassius auratus</i> . <i>Fish and Shellfish Immunology</i> , 2014 , 36, 240-51	4.3	11
66	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	3.3	30
65	Role of crustacean hyperglycemic hormone (CHH) in the environmental stressor-exposed intertidal copepod <i>Tigriopus japonicus</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2013 , 158, 131-41	3.2	7

64	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, 216-24	3.2	33
63	Evaluation of biomarker potential of cytochrome P450 1A (CYP1A) gene in the marine medaka, <i>Oryzias melastigma</i> exposed to water-accommodated fractions (WAFs) of Iranian crude oil. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2013 , 157, 172-82	3.2	17
62	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, 182-9	5.1	79
61	Expression pattern of entire cytochrome P450 genes and response of defensomes in the benzo[a]pyrene-exposed monogonont rotifer <i>Brachionus koreanus</i> . <i>Environmental Science & Technology</i> , 2013 , 47, 13804-12	10.3	68
60	Complete mitochondrial genome of the marine polychaete, <i>Perinereis nuntia</i> (Polychaeta, Nereididae). <i>Mitochondrial DNA</i> , 2013 , 24, 342-3		12
59	Expression profile analysis of antioxidative stress and developmental pathway genes in the manganese-exposed intertidal copepod <i>Tigriopus japonicus</i> with 6K oligochip. <i>Chemosphere</i> , 2013 , 92, 1214-23	8.4	18
58	Development of enzyme-linked immunosorbent assay (ELISA) for glutathione S-transferase (GST-S) protein in the intertidal copepod <i>Tigriopus japonicus</i> and its application for environmental monitoring. <i>Chemosphere</i> , 2013 , 93, 2458-66	8.4	11
57	Differential transcript expression of selected gene batteries in two clonal strains of the self-fertilizing fish, <i>Kryptolebias marmoratus</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2013 , 164, 229-35	2.3	2
56	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	3.2	18
55	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, 4804-12	10.3	46
54	Co-expression of antioxidant enzymes with expression of p53, DNA repair, and heat shock protein genes in the gamma ray-irradiated hermaphroditic fish <i>Kryptolebias marmoratus</i> larvae. <i>Aquatic Toxicology</i> , 2013 , 140-141, 58-67	5.1	21
53	Identification and analysis of whole microcystin synthetase genes from two Korean strains of the cyanobacterium <i>Microcystis aeruginosa</i> . <i>Genes and Genomics</i> , 2012 , 34, 435-439	2.1	6
52	The yellow catfish, <i>Pelteobagrus fulvidraco</i> (Siluriformes) metallothionein cDNA: molecular cloning and transcript expression level in response to exposure to the heavy metals Cd, Cu, and Zn. <i>Fish Physiology and Biochemistry</i> , 2012 , 38, 1331-42	2.7	24
51	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, 104-18	5.1	32
50	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	7.9	13
49	8-Oxoguanine DNA glycosylase 1 (OGG1) from the copepod <i>Tigriopus japonicus</i> : molecular characterization and its expression in response to UV-B and heavy metals. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2012 , 155, 290-9	3.2	4
48	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, 344-51	3.2	15
47	Expression pattern analysis of DNA repair-related and DNA damage response genes revealed by 55K oligomicroarray upon UV-B irradiation in the intertidal copepod, <i>Tigriopus japonicus</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2012 , 155, 359-68	3.2	9

46	Immune gene mining by pyrosequencing in the rockshell, <i>Thais clavigera</i> . <i>Fish and Shellfish Immunology</i> , 2012 , 32, 700-10	4.3	11
45	Genomic organization of selected genes in the small monogonont rotifer, <i>Brachionus koreanus</i> . <i>Gene</i> , 2012 , 505, 108-13	3.8	9
44	Gamma irradiation-induced oxidative stress and developmental impairment in the hermaphroditic fish, <i>Kryptolebias marmoratus</i> embryo. <i>Environmental Toxicology and Chemistry</i> , 2012 , 31, 1745-53	3.8	29
43	Complete mitochondrial genome of the Arctic green sea urchin <i>Strongylocentrotus droebachiensis</i> (Strongylocentrotidae, Echinoidea). <i>Mitochondrial DNA</i> , 2012 , 23, 369-70		5
42	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, 145-52	2.6	35
41	Cloning of growth hormone, somatolactin, and their receptor mRNAs, their expression in organs, during development, and on salinity stress in the hermaphroditic fish, <i>Kryptolebias marmoratus</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2012 , 161, 436-42	2.6	20
40	HspA and HtpG enhance thermotolerance in the cyanobacterium, <i>Microcystis aeruginosa</i> NIES-298. <i>Journal of Microbiology and Biotechnology</i> , 2012 , 22, 118-25	3.3	5
39	Draft genome database construction from four strains (NIES-298, FCY- 26, -27, and -28) of the cyanobacterium <i>Microcystis aeruginosa</i> . <i>Journal of Microbiology and Biotechnology</i> , 2012 , 22, 1208-13	3.3	6
38	Survey of the Applications of NGS to Whole-Genome Sequencing and Expression Profiling. <i>Genomics and Informatics</i> , 2012 , 10, 1-8	1.9	8
37	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> , 2011 , 19, 2606-18	5.1	11
36	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, 529-39	5.1	103
35	Bisphenol A modulates expression of sex differentiation genes in the self-fertilizing fish, <i>Kryptolebias marmoratus</i> . <i>Aquatic Toxicology</i> , 2011 , 104, 218-29	5.1	40
34	Analysis of expressed sequence tags from the liver and ovary of the euryhaline hermaphroditic fish, <i>Kryptolebias marmoratus</i> . <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2011 , 6, 244-55	2	9
33	Expression of superoxide dismutase (SOD) genes from the copper-exposed polychaete, <i>Neanthes succinea</i> . <i>Marine Pollution Bulletin</i> , 2011 , 63, 277-86	6.7	25
32	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, 1467-75	8.4	80
31	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	2.4	38
30	Endocrine disrupting chemicals modulate expression of O ⁶ -methylguanine DNA methyltransferase (O ⁶ MGMT) gene in the hermaphroditic fish, <i>Kryptolebias marmoratus</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2011 , 153, 141-9	3.2	6
29	Molecular and biochemical modulation of heat shock protein 20 (Hsp20) gene by temperature stress and hydrogen peroxide (H ₂ O ₂) in the monogonont rotifer, <i>Brachionus</i> sp. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2011 , 154, 19-27	3.2	24

28	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	3.2	22
27	Modulation of p53 gene expression in the intertidal copepod <i>Tigriopus japonicus</i> exposed to alkylphenols. <i>Marine Environmental Research</i> , 2010 , 69 Suppl, S77-80	3.3	18
26	The copepod <i>Tigriopus japonicus</i> genomic DNA information (574Mb) and molecular anatomy. <i>Marine Environmental Research</i> , 2010 , 69 Suppl, S21-3	3.3	35
25	Effects of endocrine disruptors on <i>Bombina orientalis</i> P450 aromatase activity. <i>Zoological Science</i> , 2010 , 27, 338-43	0.8	6
24	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	3.2	43
23	Cloning and expression of ecdysone receptor (EcR) from the intertidal copepod, <i>Tigriopus japonicus</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2010 , 151, 303-12	3.2	16
22	Effects of salinity and endocrine-disrupting chemicals on expression of prolactin and prolactin receptor genes in the euryhaline hermaphroditic fish, <i>Kryptolebias marmoratus</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2010 , 152, 413-23	3.2	5
21	Bisphenol A modulates expression of gonadotropin subunit genes in the hermaphroditic fish, <i>Kryptolebias marmoratus</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2010 , 152, 456-66	3.2	11
20	Effect of cadmium exposure on expression of antioxidant gene transcripts in the river pufferfish, <i>Takifugu obscurus</i> (Tetraodontiformes). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2010 , 152, 473-9	3.2	52
19	Expression of gonadotropin alpha, follicle-stimulating hormone beta, and luteinizing hormone beta genes of the hermaphroditic fish <i>Kryptolebias marmoratus</i> exposed to octylphenol, 17beta estradiol, and tamoxifen. <i>Annals of the New York Academy of Sciences</i> , 2009 , 1163, 508-11	6.5	12
18	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, 104-12	3.2	77
17	Molecular cloning, phylogenetic analysis and expression of a MAPEG superfamily gene from the pufferfish <i>Takifugu obscurus</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2009 , 149, 358-62	3.2	8
16	Expression of R-ras oncogenes in the hermaphroditic fish <i>Kryptolebias marmoratus</i> , exposed to endocrine disrupting chemicals. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2009 , 149, 433-9	3.2	8
15	Endocrine disruptors modulate expression of hepatic choriogenin genes in the hermaphroditic fish, <i>Kryptolebias marmoratus</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2009 , 150, 170-8	3.2	7
14	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	7	37
13	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, 177-87	5.1	49
12	A corticotropin-releasing hormone binding protein (CRH-BP) gene from the intertidal copepod, <i>Tigriopus japonicus</i> . <i>General and Comparative Endocrinology</i> , 2008 , 158, 54-60	3	19
11	Characterization of the glutathione S-transferase-Mu (GSTM) gene sequence and its expression in the hermaphroditic fish, <i>Kryptolebias marmoratus</i> as a function of development, gender type and chemical exposure. <i>Chemico-Biological Interactions</i> , 2008 , 174, 118-25	5	14

10	Expression of glutathione S-transferase (GST) genes in the marine copepod Tigriopus japonicus exposed to trace metals. <i>Aquatic Toxicology</i> , 2008 , 89, 158-66	5.1	116
9	Molecular cloning, phylogenetic analysis and developmental expression of a vitellogenin (Vg) gene from the intertidal copepod Tigriopus japonicus. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2008 , 150, 395-402	2.3	36
8	p53 gene expression is modulated by endocrine disrupting chemicals in the hermaphroditic fish, Kryptolebias marmoratus. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2008 , 147, 150-7	3.2	10
7	Modulatory effect of environmental endocrine disruptors on N-ras oncogene expression in the hermaphroditic fish, Kryptolebias marmoratus. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2008 , 147, 299-305	3.2	4
6	Gonadotropin-releasing hormone receptor (GnRHR) gene expression is differently modulated in gender types of the hermaphroditic fish Kryptolebias marmoratus by endocrine disrupting chemicals. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2008 , 147, 357-65	3.2	15
5	A Mu-class glutathione S-transferase (GSTM) from the rock shell <i>Thais clavigera</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2008 , 148, 195-203	3.2	13
4	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, 104-15	5.1	60
3	Molecular cloning and characterization of omega class glutathione S-transferase (GST-O) from the polychaete <i>Neanthes succinea</i> : biochemical comparison with theta class glutathione S-transferase (GST-T). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2007 , 146, 471-7	3.2	12
2	Mining of biomarker genes from expressed sequence tags and differential display reverse transcriptase-polymerase chain reaction in the self-fertilizing fish, <i>Kryptolebias marmoratus</i> and their expression patterns in response to exposure to an endocrine-disrupting alkylphenol, bisphenol A. <i>Molecules and Cells</i> , 2007 , 23, 287-303	3.5	19
1	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, 281-9 ^{5.1}	5.1	79