

Hyun Suk Shin

List of Publications by Year in descending order

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papers

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docs citations

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706
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#	ARTICLE	IF	CITATIONS
1	Effects of LED light spectra on oxidative stress and the protective role of melatonin in relation to the daily rhythm of the yellowtail clownfish, <i>Amphiprion clarkii</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2011, 160, 221-228.	1.8	71
2	Effect of LED light spectra on starvation-induced oxidative stress in the cinnamon clownfish <i>Amphiprion melanopus</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2012, 163, 357-363.	1.8	69
3	Kisspeptin regulates the hypothalamusâ€“pituitaryâ€“gonad axis gene expression during sexual maturation in the cinnamon clownfish, <i>Amphiprion melanopus</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2014, 168, 19-32.	1.6	48
4	Profiles of antioxidant gene expression and physiological changes by thermal and hypoosmotic stresses in black porgy (<i>Acanthopagrus schlegelii</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2010, 156, 262-268.	1.8	42
5	Effects of LED light spectra on the growth of the yellowtail clownfish <i>Amphiprion clarkii</i> . <i>Fisheries Science</i> , 2012, 78, 549-556.	1.6	39
6	Quantitative mRNA expression of <i>sox3</i> and <i>DMRT1</i> during sex reversal, and expression profiles after GnRHa administration in black porgy, <i>Acanthopagrus schlegelii</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2009, 154, 150-156.	1.6	32
7	The effect of LED light spectra on antioxidant system by thermal stress in goldfish, <i>Carassius auratus</i> . <i>Molecular and Cellular Toxicology</i> , 2014, 10, 47-58.	1.7	29
8	Physiological responses and expression of metallothionein (MT) and superoxide dismutase (SOD) mRNAs in olive flounder, <i>Paralichthys olivaceus</i> exposed to benzo[a]pyrene. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2008, 149, 534-539.	1.6	28
9	Selection for growth is associated in gilthead sea bream (<i>Sparus aurata</i>) with diet flexibility, changes in growth patterns and higher intestine plasticity. <i>Aquaculture</i> , 2019, 507, 349-360.	3.5	27
10	Diurnal and circadian regulations by three melatonin receptors in the brain and retina of olive flounder <i>Paralichthys olivaceus</i> : profiles following exogenous melatonin. <i>Marine and Freshwater Behaviour and Physiology</i> , 2011, 44, 223-238.	0.9	25
11	Expression of aquaporin-3 and α 8 mRNAs in the parr and smolt stages of sockeye salmon, <i>Oncorhynchus nerka</i> : Effects of cortisol treatment and seawater acclimation. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2013, 165, 228-236.	1.8	24
12	Expression profiles of three types of GnRH during sex-change in the protandrous cinnamon clownfish, <i>Amphiprion melanopus</i> : Effects of exogenous GnRHs. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2012, 161, 124-133.	1.6	23
13	Effects of waterborne selenium exposure on the antioxidant and immunological activity in the goldfish, <i>Carassius auratus</i> . <i>Molecular and Cellular Toxicology</i> , 2013, 9, 365-373.	1.7	23
14	Time-related effects of various LED light spectra on reproductive hormones in the brain of the goldfish <i>Carassius auratus</i> . <i>Biological Rhythm Research</i> , 2015, 46, 671-682.	0.9	19
15	The Expression of Leptin, Estrogen Receptors, and Vitellogenin mRNAs in Migrating Female Chum Salmon, <i>Oncorhynchus keta</i> : The Effects of Hypo-osmotic Environmental Changes. <i>Asian-Australasian Journal of Animal Sciences</i> , 2014, 27, 479-487.	2.4	18
16	Profiles of photosynthetic pigment accumulation and expression of photosynthesis-related genes in the marine cyanobacteria <i>Synechococcus</i> sp.: Effects of LED wavelengths. <i>Biotechnology and Bioprocess Engineering</i> , 2014, 19, 250-256.	2.6	18
17	Light-emitting diode spectral sensitivity relationship with reproductive parameters and ovarian maturation in yellowtail damselfish, <i>Chrysiptera parasema</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013, 127, 108-113.	3.8	16
18	Characterization of estrogen receptor β 2 and expression of the estrogen receptor subtypes β 1, β 2, and β 3 in the protandrous black porgy (<i>Acanthopagrus schlegelii</i>) during the sex change process. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2008, 150, 284-291.	1.6	15

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19	Effect of hypoosmotic and thermal stress on gene expression and the activity of antioxidant enzymes in the cinnamon clownfish, <i>Amphiprion melanopus</i> . <i>Animal Cells and Systems</i> , 2011, 15, 219-225.	2.2	15
20	The environmental regulation of maturation in goldfish, <i>Carassius auratus</i> : Effects of various LED light spectra. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2014, 168, 17-24.	1.8	14
21	Effects of LED spectral sensitivity on circadian rhythm-related genes in the yellowtail clownfish, <i>Amphiprion clarkii</i> . <i>Animal Cells and Systems</i> , 2013, 17, 99-105.	2.2	12
22	Influence of quercetin on the physiological response to cadmium stress in olive flounder, <i>Paralichthys olivaceus</i> : effects on hematological and biochemical parameters. <i>Molecular and Cellular Toxicology</i> , 2010, 6, 151-159.	1.7	9
23	The effect of various wavelengths of light from light-emitting diodes on the antioxidant system of marine cyanobacteria, <i>Synechococcus</i> sp.. <i>Molecular and Cellular Toxicology</i> , 2013, 9, 295-302.	1.7	8
24	Effects of various photoperiods on Kisspeptin and reproductive hormones in the goldfish, <i>Carassius auratus</i> . <i>Animal Cells and Systems</i> , 2014, 18, 109-118.	2.2	8
25	Effect of LED light spectra on circadian rhythms in goldfish <i>Carassius auratus</i> : expression profiles following thermal stress. <i>Biological Rhythm Research</i> , 2014, 45, 895-908.	0.9	8
26	Diurnal gene expression of <i>Period2</i> , <i>Cryptochrome1</i> , and arylalkylamine <i>N</i> -acetyltransferase-2 in olive flounder, <i>Paralichthys olivaceus</i> . <i>Animal Cells and Systems</i> , 2012, 16, 27-33.	2.2	7
27	Retinal light input regulates clock genes and immune function in yellowtail clownfish (<i>Amphiprion</i>) Tj ETQq1 1 0.784314 rgBT /Overlo	0.9	7
28	The stimulatory effect of LED light spectra on genes related to photoreceptors and skin pigmentation in goldfish (<i>Carassius auratus</i>). <i>Fish Physiology and Biochemistry</i> , 2014, 40, 1229-38.	2.3	6
29	Effects of exogenous cortisol and seawater adaptation on thyroid hormone receptors in the smolt stage of the sockeye salmon, <i>Oncorhynchus nerka</i> . <i>Ichthyological Research</i> , 2014, 61, 9-16.	0.8	5
30	Physiological responses and expression of arginine vasotocin receptor, prolactin and prolactin receptor mRNA in olive flounder <i>Paralichthys olivaceus</i> during osmotic stress. <i>Marine and Freshwater Behaviour and Physiology</i> , 2008, 41, 191-203.	0.9	4
31	Monitoring of Na ⁺ /K ⁺ -ATPase mRNA expression in the cinnamon clownfish, <i>Amphiprion melanopus</i> , exposed to an osmotic stress environment: profiles on the effects of exogenous hormone. <i>Ichthyological Research</i> , 2011, 58, 195-201.	0.8	4
32	Effect of hypo-osmotic environmental changes on the expression of gonadotropin-releasing hormone, its receptor, and gonadotropin hormone subunit mRNA in adult chum salmon (<i>Oncorhynchus keta</i>). <i>Marine and Freshwater Behaviour and Physiology</i> , 2013, 45, 397-410.	0.9	4
33	Hypoosmotic shock adaptation by prolactin involves upregulation of arginine vasotocin and osmotic stress transcription factor 1 mRNA in the cinnamon clownfish <i>Amphiprion melanopus</i> . <i>Animal Cells and Systems</i> , 2012, 16, 391-399.	2.2	3
34	Differential expression of rhodopsin and Exo-rhodopsin genes in the retina and pineal gland of olive flounder (<i>Paralichthys olivaceus</i>). <i>Journal of Applied Animal Research</i> , 2012, 40, 229-246.	1.2	3
35	Effects of recombinant growth hormone on growth factor and immune component levels in the cinnamon clownfish, <i>Amphiprion melanopus</i> . <i>Marine Biology Research</i> , 2014, 10, 472-481.	0.7	3
36	The Effects of Different Wavelengths of Light-Emitting Diodes on the Expression of Reproduction-Related Genes in Goldfish <i>Carassius auratus</i> . <i>Fisheries and Aquatic Sciences</i> , 2015, 18, 211-220.	0.8	1

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37	Changes of cytochrome P4501A mRNA expression and physiology responses in the olive flounder, <i>Paralichthys olivaceus</i> , exposed to benzo[a]pyrene. <i>Marine Biology Research</i> , 2008, 4, 470-476.	0.7	0
38	Effects of retinal light input on circadian rhythm genes in the yellowtail clownfish (<i>Amphiprion</i>)	0.9	10