Hitoshi Miyakawa

List of Publications by Year
in descending order

31	1,219	331670	477307
papers	citations	21 h-index	29 g-index

31	31	31	1213
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Developmental Link between Sex and Nutrition; doublesex Regulates Sex-Specific Mandible Growth via Juvenile Hormone Signaling in Stag Beetles. PLoS Genetics, 2014, 10, e1004098.	3.5	138
2	Gene up-regulation in response to predator kairomones in the water flea, Daphnia pulex. BMC Developmental Biology, 2010, 10, 45.	2.1	107
3	A mutation in the receptor Methoprene-tolerant alters juvenile hormone response in insects and crustaceans. Nature Communications, 2013, 4, 1856.	12.8	100
4	Methyl farnesoate synthesis is necessary for the environmental sex determination in the water flea Daphnia pulex. Journal of Insect Physiology, 2015, 80, 22-30.	2.0	96
5	RNA-seq analysis of the gonadal transcriptome during Alligator mississippiensis temperature-dependent sex determination and differentiation. BMC Genomics, 2016, 17, 77.	2.8	86
6	Roles of ecdysteroids for progression of reproductive cycle in the fresh water crustacean Daphnia magna. Frontiers in Zoology, 2014, 11, .	2.0	59
7	Comparison of JH signaling in insects and crustaceans. Current Opinion in Insect Science, 2014, 1, 81-87.	4.4	57
8	Molecular cloning of doublesex genes of four cladocera (water flea) species. BMC Genomics, 2013, 14, 239.	2.8	53
9	Ecdysteroid and juvenile hormone biosynthesis, receptors and their signaling in the freshwater microcrustacean Daphnia. Journal of Steroid Biochemistry and Molecular Biology, 2018, 184, 62-68.	2.5	46
10	NMDA receptor activation upstream of methyl farnesoate signaling for short day-induced male offspring production in the water flea, Daphnia pulex. BMC Genomics, 2015, 16, 186.	2.8	42
11	Neverlandregulates embryonic moltings through the regulation of ecdysteroid synthesis in the water fleaDaphnia magna, and may thus act as a target for chemical disruption of molting. Journal of Applied Toxicology, 2016, 36, 1476-1485.	2.8	41
12	Neofunctionalization of Androgen Receptor by Gain-of-Function Mutations in Teleost Fish Lineage. Molecular Biology and Evolution, 2016, 33, 228-244.	8.9	41
13	Ovarian development and insulin-signaling pathways during reproductive differentiation in the queenless ponerine ant Diacamma sp.. Journal of Insect Physiology, 2010, 56, 288-295.	2.0	40
14	Molecular impact of juvenile hormone agonists on neonatal Daphnia magna. Journal of Applied Toxicology, 2014, 34, 537-544.	2.8	35
15	Diofenolan induces male offspring production through binding to the juvenile hormone receptor in Daphnia magna. Aquatic Toxicology, 2015, 159, 44-51.	4.0	32
16	Effect of Juvenoids on Predatorâ€Induced Polyphenism in the Water Flea, Daphnia pulex. Journal of Experimental Zoology, 2013, 319, 440-450.	1.2	30
17	Development of a microinjection system for RNA interference in the water flea Daphnia pulex. BMC Biotechnology, 2013, 13, 96.	3.3	29
18	Comparative luciferase assay for establishing reliable in vitro screening system of juvenile hormone agonists. Journal of Applied Toxicology, 2017, 37, 1082-1090.	2.8	29

#	Article	IF	Citations
19	Sexually Dimorphic Body Color Is Regulated by Sex-Specific Expression of Yellow Gene in Ponerine Ant, Diacamma Sp. PLoS ONE, 2014, 9, e92875.	2.5	28
20	Sex Determination and Differentiation in Decapod and Cladoceran Crustaceans: An Overview of Endocrine Regulation. Genes, 2021, 12, 305.	2.4	28
21	Ionotropic Glutamate Receptors Mediate Inducible Defense in the Water Flea Daphnia pulex. PLoS ONE, 2015, 10, e0121324.	2.5	23
22	Juvenile hormone-independent function of KrÃ¼ppel homolog 1 in early development of water flea Daphnia pulex. Insect Biochemistry and Molecular Biology, 2018, 93, 12-18.	2.7	20
23	Intraâ€specific variations in reaction norms of predatorâ€induced polyphenism in the water flea Daphnia pulex. Ecological Research, 2015, 30, 705-713.	1.5	15
24	Establishment of a highâ€sensitivity reporter system in mammalian cells for detecting juvenoids using juvenile hormone receptors of <scp>Daphnia pulex</scp>. Journal of Applied Toxicology, 2019, 39, 241-246.	2.8	12
25	The doublesex gene integrates multi-locus complementary sex determination signals in the Japanese ant, Vollenhovia emeryi. Insect Biochemistry and Molecular Biology, 2018, 94, 42-49.	2.7	11
26	Juvenile hormone synthesis and signaling disruption triggering male offspring induction and population decline in cladocerans (water flea): Review and adverse outcome pathway development. Aquatic Toxicology, 2022, 243, 106058.	4.0	7
27	Poly(alanine-nylon-alanine) as a bioplastic: chemoenzymatic synthesis, thermal properties and biological degradation effects. Polymer Chemistry, 2020, 11, 4920-4927.	3.9	6
28	Two insulinâ€like peptides may regulate egg production in opposite directions via juvenile hormone signaling in the queenless ant Pristomyrmex punctatus. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2020, 334, 225-234.	1.3	5
29	A self-marker-like protein governs hemocyte allorecognition in Halocynthia roretzi. Zoological Letters, 2019, 5, 34.	1.3	2
30	Induction and Evaluation of Inbreeding Crosses Using the Ant, Vollenhovia Emeryi. Journal of Visualized Experiments, 2018, , .	0.3	1
31	Size measurement of Daphnia pulex using low-coherence Gabor digital holography. Optical Review, 2019, 26, 693-698.	2.0	0