

# Takeshi Miura

## List of Publications by Year in descending order

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60  
papers

3,954  
citations

172457

29  
h-index

138484

58  
g-index

60  
all docs

60  
docs citations

60  
times ranked

3069  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spermatogenesis in fish. <i>General and Comparative Endocrinology</i> , 2010, 165, 390-411.	1.8	943
2	Spermatogenesis and its endocrine regulation. <i>Fish Physiology and Biochemistry</i> , 2002, 26, 43-56.	2.3	304
3	The role of hormones in the acquisition of sperm motility in salmonid fish. <i>The Journal of Experimental Zoology</i> , 1992, 261, 359-363.	1.4	220
4	Zinc is an essential trace element for spermatogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 10859-10864.	7.1	152
5	Spermatogenesis-preventing substance in Japanese eel. <i>Development (Cambridge)</i> , 2002, 129, 2689-2697.	2.5	149
6	Molecular control mechanisms of fish spermatogenesis. <i>Fish Physiology and Biochemistry</i> , 2003, 28, 181-186.	2.3	143
7	Involvement of Sex Steroid Hormones in the Early Stages of Spermatogenesis in Japanese Huchen ( <i>Hucho perryi</i> )1. <i>Biology of Reproduction</i> , 2001, 65, 1057-1066.	2.7	138
8	Progesterin is an essential factor for the initiation of the meiosis in spermatogenetic cells of the eel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 7333-7338.	7.1	121
9	A Progesterin and an Estrogen Regulate Early Stages of Oogenesis in Fish1. <i>Biology of Reproduction</i> , 2007, 77, 822-828.	2.7	112
10	Japanese Eel Follicle-Stimulating Hormone (Fsh) and Luteinizing Hormone (Lh): Production of Biologically Active Recombinant Fsh and Lh by <i>Drosophila</i> S2 Cells and Their Differential Actions on the Reproductive Biology1. <i>Biology of Reproduction</i> , 2008, 79, 938-946.	2.7	110
11	Japanese Eel: A Model for Analysis of Spermatogenesis. <i>Zoological Science</i> , 2001, 18, 1055-1063.	0.7	97
12	Roles of 11 $\beta$ -Hydroxysteroid Dehydrogenase in Fish Spermatogenesis. <i>Endocrinology</i> , 2006, 147, 5139-5146.	2.8	95
13	Tolerance of Spermatogonia to Oxidative Stress Is Due to High Levels of Zn and Cu/Zn Superoxide Dismutase. <i>PLoS ONE</i> , 2011, 6, e16938.	2.5	94
14	Effects of lead, molybdenum, rubidium, arsenic and organochlorines on spermatogenesis in fish: Monitoring at Mekong Delta area and in vitro experiment. <i>Aquatic Toxicology</i> , 2007, 83, 43-51.	4.0	82
15	Evaluation of Black Soldier Fly ( <i>Hermetia illucens</i> ) Larvae and Pre-Pupae Raised on Household Organic Waste, as Potential Ingredients for Poultry Feed. <i>Animals</i> , 2019, 9, 98.	2.3	82
16	Recombinant Human Insulin-Like Growth Factor I Stimulates All Stages of 11-Ketotestosterone-Induced Spermatogenesis in the Japanese Eel, <i>Anguilla japonica</i> , In Vitro1. <i>Biology of Reproduction</i> , 1999, 61, 944-947.	2.7	78
17	&lt;b&gt;INVOLVEMENT OF STEROID HORMONES IN &lt;/b&gt;&lt;b&gt;GONADOTROPIN-INDUCED TESTICULAR MATURATION IN MALE JAPANESE EEL &lt;/b&gt; (&lt;i&gt;ANGUILLA JAPONICA&lt;/i&gt;) &lt;/b&gt;. <i>Biomedical Research</i> , 1991, 12, 241-248.	0.9	77
18	Hormonal induction of all stages of spermatogenesis in germ-somatic cell coculture from immature Japanese eel testis. <i>Development Growth and Differentiation</i> , 1996, 38, 257-262.	1.5	67

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19	Complementary Deoxyribonucleic Acid Cloning of Spermatogonial Stem Cell Renewal Factor. <i>Endocrinology</i> , 2003, 144, 5504-5510.	2.8	66
20	Replacement of Fish Meal by Defatted Yellow Mealworm ( <i>Tenebrio molitor</i> ) Larvae in Diet Improves Growth Performance and Disease Resistance in Red Seabream ( <i>Pargus major</i> ). <i>Animals</i> , 2019, 9, 100.	2.3	64
21	Dietary effects of housefly ( <i>Musca domestica</i> ) (Diptera: Muscidae) pupae on the growth performance and the resistance against bacterial pathogen in red sea bream ( <i>Pagrus major</i> ) (Perciformes: Sparidae). <i>Applied Entomology and Zoology</i> , 2015, 50, 213-221.	1.2	61
22	Human Recombinant Activin Induces Proliferation of Spermatogonia <i>in vitro</i> in the Japanese Eel <i>Anguilla japonica</i> . <i>Fisheries Science</i> , 1995, 61, 434-437.	1.6	48
23	Acquisition of Potential for Sperm Motility <i>in vitro</i> in Japanese Eel <i>Anguilla japonica</i> . <i>Fisheries Science</i> , 1995, 61, 533-534.	1.6	43
24	The contribution of endogenous cellulase to the cellulose digestion in the gut of earthworm ( <i>Pheretima hilgendorfi</i> : Megascolecidae). <i>Soil Biology and Biochemistry</i> , 2009, 41, 762-769.	8.8	42
25	Spermatogenesis-preventing substance in Japanese eel. <i>Development (Cambridge)</i> , 2002, 129, 2689-97.	2.5	42
26	Expression of vasa (vas)-related genes in germ cells and specific interference with gene functions by double-stranded RNA in the monogenean, <i>Neobenedenia girellae</i> . <i>International Journal for Parasitology</i> , 2007, 37, 515-523.	3.1	33
27	Taurine plays an important role in the protection of spermatogonia from oxidative stress. <i>Amino Acids</i> , 2012, 43, 2359-2369.	2.7	31
28	cDNA cloning of a stage-specific gene expressed during HCG-induced spermatogenesis in the Japanese eel. <i>Development Growth and Differentiation</i> , 1999, 41, 463-471.	1.5	30
29	Arsenic inhibits <i>in vitro</i> spermatogenesis and induces germ cell apoptosis in Japanese eel ( <i>Anguilla</i> ). <i>Tj ETQq1 1 0.784314 rgBT /Overlook</i>	2.6	30
30	Silkrose: A novel acidic polysaccharide from the silkworm that can stimulate the innate immune response. <i>Carbohydrate Polymers</i> , 2016, 136, 995-1001.	10.2	30
31	A Novel Polysaccharide in Insects Activates the Innate Immune System in Mouse Macrophage RAW264 Cells. <i>PLoS ONE</i> , 2014, 9, e114823.	2.5	28
32	Trypsin is a multifunctional factor in spermatogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 20972-20977.	7.1	27
33	Molecular Characterization and Gene Expression of Japanese Eel ( <i>Anguilla japonica</i> ) Gonadotropin Receptors. <i>Zoological Science</i> , 2012, 29, 204-211.	0.7	27
34	Impaired spermatogenesis in the Japanese eel, <i>Anguilla japonica</i> : Possibility of the existence of factors that regulate entry of germ cells into meiosis. <i>Development Growth and Differentiation</i> , 1997, 39, 685-691.	1.5	26
35	The synthesis and role of taurine in the Japanese eel testis. <i>Amino Acids</i> , 2012, 43, 773-781.	2.7	24
36	Purification and identification of a glycoprotein that induces the attachment of oncomiracidia of <i>Neobenedenia girellae</i> (Monogenea, Capsalidae). <i>International Journal for Parasitology</i> , 2007, 37, 1483-1490.	3.1	22

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37	The silkworm of <i>Bombyx mori</i> effectively prevents vibriosis in penaeid prawns via the activation of innate immunity. <i>Scientific Reports</i> , 2018, 8, 8836.	3.3	19
38	Housefly ( <i>Musca domestica</i> ) Larvae Preparations after Removing the Hydrophobic Fraction Are Effective Alternatives to Fish Meal in Aquaculture Feed for Red Seabream ( <i>Pagrus major</i> ). <i>Fishes</i> , 2019, 4, 38.	1.7	19
39	The Onset of Spermatogenesis in Fish. <i>Novartis Foundation Symposium</i> , 1994, 182, 255-270.	1.1	15
40	The Dipterose of Black Soldier Fly ( <i>Hermetia illucens</i> ) Induces Innate Immune Response through Toll-Like Receptor Pathway in Mouse Macrophage RAW264.7 Cells. <i>Biomolecules</i> , 2019, 9, 677.	4.0	14
41	Molecular cloning and gene expression of Spo11 during spermatogenesis in the Japanese eel, <i>Anguilla japonica</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2006, 143, 309-314.	1.6	13
42	Growth of Yellowtail ( <i>Seriola quinqueradiata</i> ) Fed on a Diet Including Partially or Completely Defatted Black Soldier Fly ( <i>Hermetia illucens</i> ) Larvae Meal. <i>Insects</i> , 2021, 12, 722.	2.2	13
43	Testicular Histology and Serum Steroid Hormone Profiles in Hatchery-bred Catfish <i>Clarias macrocephalus</i> (Gunther) during an Annual Reproductive Cycle. <i>Fisheries Science</i> , 1997, 63, 681-686.	1.6	11
44	Proliferating Spermatogonia Are Susceptible to Reactive Oxygen Species Attack in Japanese Eel ( <i>Anguilla japonica</i> )1. <i>Biology of Reproduction</i> , 2012, 87, 70.	2.7	11
45	Examination of Digestive Enzyme Distribution in Gut Tract and Functions of Intestinal Caecum, in Megascolecid Earthworms (Oligochaeta: Megascolecidae) in Japan. <i>Zoological Science</i> , 2013, 30, 710-715.	0.7	11
46	Differences in the ability of two marine annelid species, <i>Thalassodrilides</i> sp. and <i>Perinereis nuntia</i> , to detoxify 1-nitronaphthalene. <i>Chemosphere</i> , 2016, 151, 339-344.	8.2	11
47	Effect of the squid viscera hydrolysate on growth performance and digestion in the red sea bream <i>Pagrus major</i> . <i>Fish Physiology and Biochemistry</i> , 2017, 43, 1543-1555.	2.3	11
48	Effects of arsenic on gonadal development in freshwater crab, <i>Somanniathelphusa pax</i> , in Vietnam and <i>Geothelphusa dehaani</i> in Japan. <i>Ecotoxicology</i> , 2008, 17, 772-780.	2.4	10
49	Trypsin Regulates Meiotic Initiation in the Japanese Eel ( <i>Anguilla japonica</i> ) by Promoting the Uptake of Taurine into Germ Cells During Spermatogenesis1. <i>Biology of Reproduction</i> , 2013, 89, 58.	2.7	10
50	A Xenograft Mantle Transplantation Technique for Producing a Novel Pearl in an Akoya Oyster Host. <i>Marine Biotechnology</i> , 2014, 16, 10-16.	2.4	9
51	Controlled feeding alleviates the reduced growth associated with spawning in farmed yellowtail ( <i>Seriola quinqueradiata</i> ). <i>Aquaculture</i> , 2014, 424-425, 10-17.	3.5	8
52	Effect of gender on Akoya pearl quality. <i>Aquaculture</i> , 2015, 437, 333-338.	3.5	7
53	Differences of two polychaete species reflected in enzyme activities. <i>Marine Biology</i> , 2011, 158, 1211-1221.	1.5	6
54	Expressional regulation of gonadotropin receptor genes and androgen receptor genes in the eel testis. <i>General and Comparative Endocrinology</i> , 2019, 280, 123-133.	1.8	6

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55	Effects of dietary silkrose of <i>Antheraea yamamai</i> on gene expression profiling and disease resistance to <i>Edwardsiella tarda</i> in Japanese medaka ( <i>Oryzias latipes</i> ). <i>Fish and Shellfish Immunology</i> , 2021, 114, 207-217.	3.6	4
56	Relationship between gonadal maturation and kyphosis in cultured yellowtail ( <i>Seriola lalandi</i> ). <i>Journal of Applied Ichthyology</i> , 2021, 17, 107-113.	3.5	3
57	Sex-changing patterns of Akoya pearl oyster ( <i>Pinctada fucata</i> ). <i>Zoological Letters</i> , 2018, 4, 11.	1.3	2
58	The Optical Characteristics of Cultured Akoya Pearl Are Influenced by Both Donor and Recipient Oysters. , 2018, , 113-119.		1
59	Production of Specific Polyclonal Antibody against the Larvae of Corallivorous Gastropod <i>Drupella fragum</i> for Prediction of Outbreaks. <i>Sustainability</i> , 2021, 13, 11713.	3.2	1
60	The Effects of Silkworm-Derived Polysaccharide (Silkrose) on Ectoparasitic Infestations in Yellowtail ( <i>Seriola quinqueradiata</i> ) and White Trevally ( <i>Pseudocaranx dentex</i> ). <i>Fishes</i> , 2022, 7, 14.	1.7	1