Midori Matsumoto

List of Publications by Year
in descending order

65	1,014	516710 16	477307 29
papers	citations	h-index	g-index

70	70	70	866
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Morphological differences in tardigrade spermatozoa induce variation in gamete motility. BMC Zoology, 2022, 7, .	1.0	1
2	Description of a model tardigrade Paramacrobiotus metropolitanus sp. nov. (Eutardigrada) from Japan with a summary of its life history, reproduction and genomics. Zootaxa, 2022, 5134, 92-112.	0.5	6
3	Spermatozoa morphology changes during reproduction and first observation of acrosomal contact in two dioecious species of Macrobiotidae (Tardigrada: Eutardigrada). Zygote, 2021, 29, 42-48.	1.1	7
4	Reproduction of Mesobiotus: Comparison of Morphology and Behavior in the Family Macrobiotidae (Tardigrada: Eutardigrada). Zoological Science, 2021, 38, 444-450.	0.7	6
5	In Silico Reconstruction of Sperm Chemotaxis. International Journal of Molecular Sciences, 2021, 22, 9104.	4.1	0
6	Co-localization of DrPiwi-1 and DrPiwi-2 in the oogonial cytoplasm is essential for oocyte differentiation in sexualized planarians. Cells and Development, 2021, 167, 203710.	1.5	2
7	Sexual reproductive behaviours of tardigrades: a review. Invertebrate Reproduction and Development, 2021, 65, 279-287.	0.8	6
8	Distribution of Macrobiotus shonaicus Stec, Arakawa & Michalczyk, 2018Â(Tardigrada:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.5	9
9	Enzyme kinetics of dUTPase from the planarian Dugesia ryukyuensis. BMC Research Notes, 2019, 12, 163.	1.4	4
10	A self-marker-like protein governs hemocyte allorecognition in Halocynthia roretzi. Zoological Letters, 2019, 5, 34.	1.3	2
11	Comparison of Sexual Reproductive Behaviors in Two Species of Macrobiotidae (Tardigrada:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	0.7	17
12	Inhibition of Drâ€dut gene causes DNA damage in planarian. Molecular Reproduction and Development, 2018, 85, 188-196.	2.0	7
13	A comprehensive comparison of sex-inducing activity in asexual worms of the planarian Dugesia ryukyuensis: the crucial sex-inducing substance appears to be present in yolk glands in Tricladida. Zoological Letters, 2018, 4, 14.	1.3	8
14	Protein kinase A activity leads to the extension of the acrosomal process in starfish sperm. Molecular Reproduction and Development, 2017, 84, 614-625.	2.0	3
15	The identification of d-tryptophan as a bioactive substance for postembryonic ovarian development in the planarian Dugesia ryukyuensis. Scientific Reports, 2017, 7, 45175.	3.3	15
16	Triploid planarian reproduces truly bisexually with euploid gametes produced through a different meiotic system between sex. Chromosoma, 2014, 123, 265-272.	2.2	8
17	Planarian d-amino acid oxidase is involved in ovarian development during sexual induction. Mechanisms of Development, 2014, 132, 69-78.	1.7	10
18	Triploid planarian reproduces bisexually with euploid gametes. Molecular Reproduction and Development, 2014, 81, 283-283.	2.0	0

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19	DrRad51 is required for chiasmata formation in meiosis in planarian Dugesia ryukyuensis. Molecular Reproduction and Development, 2014, 81, 409-421.	2.0	5
20	Expression of Nephrin Homologue in the Freshwater Planarian, Dugesia japonica. Acta Histochemica Et Cytochemica, 2014, 47, 303-310.	1.6	6
21	Neuropeptides trigger oocyte maturation and subsequent spawning in the hydrozoan jellyfish Cytaeis uchidae. Molecular Reproduction and Development, 2013, 80, 223-232.	2.0	26
22	Innate sexuality determines the mechanisms of telomere maintenance. International Journal of Developmental Biology, 2013, 57, 69-72.	0.6	9
23	Starfish Ap DOCK protein essentially functions in larval defense system operated by mesenchyme cells. Immunology and Cell Biology, 2012, 90, 955-965.	2.3	5
24	Structure of acrosome reaction-inducing substance in the jelly coat of starfish eggs: A mini review. Biochemical and Biophysical Research Communications, 2012, 425, 595-598.	2.1	33
25	Characterization of a scavenger receptor cysteine-rich-domain-containing protein of the starfish, Asterina pectinifera: ApSRCR1 acts as an opsonin in the larval and adult innate immune systems. Developmental and Comparative Immunology, 2012, 36, 51-61.	2.3	20
26	Stem cells from innate sexual but not acquired sexual planarians have the capability to form a sexual individual. Molecular Reproduction and Development, 2012, 79, 757-766.	2.0	7
27	Reproductive mode and ovarian morphology regulation in chimeric planarians composed of asexual and sexual neoblasts. Molecular Reproduction and Development, 2012, 79, 451-460.	2.0	5
28	Drpiwi-1 is essential for germline cell formation during sexualization of the planarian Dugesia ryukyuensis. Developmental Biology, 2012, 361, 167-176.	2.0	31
29	The Dr-nanos gene is essential for germ cell specification in the planarian Dugesia ryukyuensis. International Journal of Developmental Biology, 2012, 56, 165-171.	0.6	20
30	Effects of 17Î²-Estradiol and Bisphenol A on the Formation of Reproductive Organs in Planarians. Biological Bulletin, 2011, 220, 47-56.	1.8	10
31	Uneven distribution pattern and increasing numbers of mesenchyme cells during development in the starfish, Asterina pectinifera. Development Growth and Differentiation, 2011, 53, 440-449.	1.5	9
32	Novel conserved structural domains of acrosome reactionâ€inducing substance are widespread in invertebrates. Molecular Reproduction and Development, 2011, 78, 57-66.	2.0	8
33	Mesenchyme cells can function to induce epithelial cell proliferation in starfish embryos. Developmental Dynamics, 2010, 239, 818-827.	1.8	3
34	Acrosome reaction-related steroidal saponin, Co-ARIS, from the starfish induces structural changes in microdomains. Developmental Biology, 2010, 347, 147-153.	2.0	18
35	Production of asexual and sexual offspring in the triploid sexual planarian Dugesia ryukyuensis. Integrative Zoology, 2009, 4, 265-271.	2.6	9
36	Identification of Guanylate Cyclases and Related Signaling Proteins in Sperm Tail from Sea Stars by Mass Spectrometry. Marine Biotechnology, 2008, 10, 564-571.	2.4	4

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37	Production of diploid and triploid offspring by inbreeding of the triploid planarian Dugesia ryukyuensis. Chromosoma, 2008, 117, 289-296.	2.2	8
38	Neoblastâ€enriched fraction rescues eye formation in eyeâ€defective planarian â€˜menashiâ€™Dugesia ryukyuensis. Development Growth and Differentiation, 2008, 50, 689-696.	1.5	9
39	Egg and sperm recognition systems during fertilization. Development Growth and Differentiation, 2008, 50, S221-38.	1.5	66
40	A Chloride Ion Channel in Halocynthia roretzi Hemocytes is Associated with PO Activity but Not Pigmentation During the Contact Reaction. Zoological Science, 2008, 25, 1130-1138.	0.7	2
41	Conserved sequences of sperm-activating peptide and its receptor throughout evolution, despite speciation in the sea star Asterias amurensis and closely related species. Zygote, 2008, 16, 229-237.	1.1	9
42	Regulation of the starfish sperm acrosome reaction by cGMP, pH, cAMP and Ca2+. International Journal of Developmental Biology, 2008, 52, 523-526.	0.6	13
43	Recognition Mechanism of Egg and Sperm Based on Sugar Chains. , 2008, , 278-281.		0
44	The Dugesia ryukyuensis Database as a Molecular Resource for Studying Switching of the Reproductive System. Zoological Science, 2007, 24, 31-37.	0.7	26
45	Cyclic AMP-dependent PKA phosphorylates starfish sperm proteins during acrosome reaction. Open Life Sciences, 2007, 2, 109-121.	1.4	0
46	Characterization of novel genes expressed specifically in the sexual organs of the planarian Dugesia ryukyuensis. International Journal of Developmental Biology, 2007, 51, 345-349.	0.6	8
47	Acrosome reaction is subfamily specific in sea star fertilization. Developmental Biology, 2006, 298, 597-604.	2.0	12
48	Characterization of the pigment produced by the planarian, Dugesia ryukyuensis. Pigment Cell & Melanoma Research, 2006, 19, 248-249.	3.6	20
49	Peptide-induced hyperactivation-like vigorous flagellar movement in starfish sperm. Zygote, 2006, 14, 23-32.	1.1	15
50	Identification and expression analysis of Drosophilamelanogaster genes encoding Î²-hexosaminidases of the sperm plasma membrane. Glycobiology, 2006, 16, 786-800.	2.5	55
51	Na+/Ca2+ exchanger contributes to asterosap-induced elevation of intracellular Ca2+ concentration in starfish spermatozoa. Zygote, 2006, 14, 133-141.	1.1	9
52	Comparative study of eye defective worm â€˜menashiâ€™ and regenerating wild-type in planarian,Dugesia ryukyuensis. Pigment Cell & Melanoma Research, 2005, 18, 86-91.	3.6	7
53	Asterosap-induced elevation in intracellular pH is indispensable for ARIS-induced sustained increase in intracellular Ca2+ and following acrosome reaction in starfish spermatozoa. Zygote, 2005, 13, 63-71.	1.1	11
54	Ca2+ spikes in the flagellum control chemotactic behavior of sperm. EMBO Journal, 2005, 24, 2741-2752.	7.8	165

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55	Guanylyl cyclase and cGMP-specific phosphodiesterase participate in the acrosome reaction of starfish sperm. Zygote, 2004, 12, 345-355.	1.1	5
56	Transcriptional pattern of a novel gene, expressed specifically after the point-of-no-return during sexualization, in planaria. Development Genes and Evolution, 2003, 212, 585-592.	0.9	27
57	A sperm-activating peptide controls a cGMP-signaling pathway in starfish spermâ˜†. Developmental Biology, 2003, 260, 314-324.	2.0	81
58	Switch from Asexual to Sexual Reproduction in the Planarian Dugesia ryukyuensis. Integrative and Comparative Biology, 2003, 43, 242-246.	2.0	27
59	Biochemical characterization of inner sugar chains of acrosome reaction-inducing substance in jelly coat of starfish eggs. Glycobiology, 2003, 13, 567-580.	2.5	15
60	Characterization of the Sperm Receptor for Acrosome Reaction-Inducing Substance of the Starfish, Asterias Amurensis. Zoological Science, 2002, 19, 435-442.	0.7	11
61	Acrosome reaction in starfish: signal molecules in the jelly coat and their receptors. Zygote, 1999, 8, S26-S27.	1.1	1
62	Species-specificity of the acrosome reaction in starfish. Zygote, 1999, 8, S62-S62.	1.1	2
63	Sequence analysis of cDNAs encoding precursors of starfish asterosaps. , 1999, 25, 130-136.		17
64	Switching from asexual to sexual reproduction in the planarianDugesia ryukyuensis. Invertebrate Reproduction and Development, 1999, 36, 153-158.	0.8	8
65	Switching from Asexual to Sexual Reproduction in the Planarian Dugesia ryukyuensis: Bioassay System and Basic Description of Sexualizing Process. Zoological Science, 1999, 16, 291-298.	0.7	45