

Midori Matsumoto

List of Publications by Year in descending order

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65
papers

1,014
citations

516215

16
h-index

476904

29
g-index

70
all docs

70
docs citations

70
times ranked

866
citing authors

#	ARTICLE	IF	CITATIONS
1	Morphological differences in tardigrade spermatozoa induce variation in gamete motility. BMC Zoology, 2022, 7, .	0.3	1
2	Description of a model tardigrade <i>Paramacrobiotus metropolitanus</i> sp. nov. (Eutardigrada) from Japan with a summary of its life history, reproduction and genomics. Zootaxa, 2022, 5134, 92-112.	0.2	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.	0.5	7
4	Reproduction of <i>Mesobiotus</i> : Comparison of Morphology and Behavior in the Family Macrobiotidae (Tardigrada: Eutardigrada). Zoological Science, 2021, 38, 444-450.	0.3	6
5	In Silico Reconstruction of Sperm Chemotaxis. International Journal of Molecular Sciences, 2021, 22, 9104.	1.8	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.	0.7	2
7	Sexual reproductive behaviours of tardigrades: a review. Invertebrate Reproduction and Development, 2021, 65, 279-287.	0.3	6
8	Distribution of <i>Macrobiotus shonaicus</i> Stec, Arakawa & Michalczyk, 2018 (Tardigrada: Tj ETQq0 0 0 rgBT / Overlock 10 Tf 50	0.2	9
9	Enzyme kinetics of dUTPase from the planarian <i>Dugesia ryukyuensis</i> . BMC Research Notes, 2019, 12, 163.	0.6	4
10	A self-marker-like protein governs hemocyte allorecognition in <i>Halocynthia roretzi</i> . Zoological Letters, 2019, 5, 34.	0.7	2
11	Comparison of Sexual Reproductive Behaviors in Two Species of Macrobiotidae (Tardigrada: Tj ETQq1 1 0.784314 rgBT / Overlock 10 Tf	0.3	17
12	Inhibition of <i>Drædut</i> gene causes DNA damage in planarian. Molecular Reproduction and Development, 2018, 85, 188-196.	1.0	7
13	A comprehensive comparison of sex-inducing activity in asexual worms of the planarian <i>Dugesia ryukyuensis</i> : the crucial sex-inducing substance appears to be present in yolk glands in Tricladida. Zoological Letters, 2018, 4, 14.	0.7	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.	1.0	3
15	The identification of d-tryptophan as a bioactive substance for postembryonic ovarian development in the planarian <i>Dugesia ryukyuensis</i> . Scientific Reports, 2017, 7, 45175.	1.6	15
16	Triploid planarian reproduces truly bisexually with euploid gametes produced through a different meiotic system between sex. Chromosoma, 2014, 123, 265-272.	1.0	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.	1.0	0

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19	DrRad51 is required for chiasmata formation in meiosis in planarian <i>Dugesia ryukyuensis</i> . <i>Molecular Reproduction and Development</i> , 2014, 81, 409-421.	1.0	5
20	Expression of Nephtrin Homologue in the Freshwater Planarian, <i>Dugesia japonica</i> . <i>Acta Histochemica Et Cytochemica</i> , 2014, 47, 303-310.	0.8	6
21	Neuropeptides trigger oocyte maturation and subsequent spawning in the hydrozoan jellyfish <i>Cytaeis uchidae</i> . <i>Molecular Reproduction and Development</i> , 2013, 80, 223-232.	1.0	26
22	Innate sexuality determines the mechanisms of telomere maintenance. <i>International Journal of Developmental Biology</i> , 2013, 57, 69-72.	0.3	9
23	Starfish Ap DOCK protein essentially functions in larval defense system operated by mesenchyme cells. <i>Immunology and Cell Biology</i> , 2012, 90, 955-965.	1.0	5
24	Structure of acrosome reaction-inducing substance in the jelly coat of starfish eggs: A mini review. <i>Biochemical and Biophysical Research Communications</i> , 2012, 425, 595-598.	1.0	33
25	Characterization of a scavenger receptor cysteine-rich-domain-containing protein of the starfish, <i>Asterina pectinifera</i> : ApSRCR1 acts as an opsonin in the larval and adult innate immune systems. <i>Developmental and Comparative Immunology</i> , 2012, 36, 51-61.	1.0	20
26	Stem cells from innate sexual but not acquired sexual planarians have the capability to form a sexual individual. <i>Molecular Reproduction and Development</i> , 2012, 79, 757-766.	1.0	7
27	Reproductive mode and ovarian morphology regulation in chimeric planarians composed of asexual and sexual neoblasts. <i>Molecular Reproduction and Development</i> , 2012, 79, 451-460.	1.0	5
28	Drpiwi-1 is essential for germline cell formation during sexualization of the planarian <i>Dugesia ryukyuensis</i> . <i>Developmental Biology</i> , 2012, 361, 167-176.	0.9	31
29	The Dr-nanos gene is essential for germ cell specification in the planarian <i>Dugesia ryukyuensis</i> . <i>International Journal of Developmental Biology</i> , 2012, 56, 165-171.	0.3	20
30	Effects of 17 β -Estradiol and Bisphenol A on the Formation of Reproductive Organs in Planarians. <i>Biological Bulletin</i> , 2011, 220, 47-56.	0.7	10
31	Uneven distribution pattern and increasing numbers of mesenchyme cells during development in the starfish, <i>Asterina pectinifera</i> . <i>Development Growth and Differentiation</i> , 2011, 53, 440-449.	0.6	9
32	Novel conserved structural domains of acrosome reaction-inducing substance are widespread in invertebrates. <i>Molecular Reproduction and Development</i> , 2011, 78, 57-66.	1.0	8
33	Mesenchyme cells can function to induce epithelial cell proliferation in starfish embryos. <i>Developmental Dynamics</i> , 2010, 239, 818-827.	0.8	3
34	Acrosome reaction-related steroidal saponin, Co-ARIS, from the starfish induces structural changes in microdomains. <i>Developmental Biology</i> , 2010, 347, 147-153.	0.9	18
35	Production of asexual and sexual offspring in the triploid sexual planarian <i>Dugesia ryukyuensis</i> . <i>Integrative Zoology</i> , 2009, 4, 265-271.	1.3	9
36	Identification of Guanylate Cyclases and Related Signaling Proteins in Sperm Tail from Sea Stars by Mass Spectrometry. <i>Marine Biotechnology</i> , 2008, 10, 564-571.	1.1	4

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37	Production of diploid and triploid offspring by inbreeding of the triploid planarian <i>Dugesia ryukyuensis</i> . <i>Chromosoma</i> , 2008, 117, 289-296.	1.0	8
38	Neoblastâ€enriched fraction rescues eye formation in eyeâ€defective planarian â€menashiâ€™ <i>Dugesia ryukyuensis</i> . <i>Development Growth and Differentiation</i> , 2008, 50, 689-696.	0.6	9
39	Egg and sperm recognition systems during fertilization. <i>Development Growth and Differentiation</i> , 2008, 50, S221-38.	0.6	66
40	A Chloride Ion Channel in <i>Halocynthia roretzi</i> Hemocytes is Associated with PO Activity but Not Pigmentation During the Contact Reaction. <i>Zoological Science</i> , 2008, 25, 1130-1138.	0.3	2
41	Conserved sequences of sperm-activating peptide and its receptor throughout evolution, despite speciation in the sea star <i>Asterias amurensis</i> and closely related species. <i>Zygote</i> , 2008, 16, 229-237.	0.5	9
42	Regulation of the starfish sperm acrosome reaction by cGMP, pH, cAMP and Ca ²⁺ . <i>International Journal of Developmental Biology</i> , 2008, 52, 523-526.	0.3	13
43	Recognition Mechanism of Egg and Sperm Based on Sugar Chains. , 2008, , 278-281.		0
44	The <i>Dugesia ryukyuensis</i> Database as a Molecular Resource for Studying Switching of the Reproductive System. <i>Zoological Science</i> , 2007, 24, 31-37.	0.3	26
45	Cyclic AMP-dependent PKA phosphorylates starfish sperm proteins during acrosome reaction. <i>Open Life Sciences</i> , 2007, 2, 109-121.	0.6	0
46	Characterization of novel genes expressed specifically in the sexual organs of the planarian <i>Dugesia ryukyuensis</i> . <i>International Journal of Developmental Biology</i> , 2007, 51, 345-349.	0.3	8
47	Acrosome reaction is subfamily specific in sea star fertilization. <i>Developmental Biology</i> , 2006, 298, 597-604.	0.9	12
48	Characterization of the pigment produced by the planarian, <i>Dugesia ryukyuensis</i> . <i>Pigment Cell & Melanoma Research</i> , 2006, 19, 248-249.	4.0	20
49	Peptide-induced hyperactivation-like vigorous flagellar movement in starfish sperm. <i>Zygote</i> , 2006, 14, 23-32.	0.5	15
50	Identification and expression analysis of <i>Drosophilamelanogaster</i> genes encoding Î²-hexosaminidases of the sperm plasma membrane. <i>Glycobiology</i> , 2006, 16, 786-800.	1.3	55
51	Na ⁺ /Ca ²⁺ exchanger contributes to asterosap-induced elevation of intracellular Ca ²⁺ concentration in starfish spermatozoa. <i>Zygote</i> , 2006, 14, 133-141.	0.5	9
52	Comparative study of eye defective worm â€menashiâ€™ and regenerating wild-type in planarian, <i>Dugesia ryukyuensis</i> . <i>Pigment Cell & Melanoma Research</i> , 2005, 18, 86-91.	4.0	7
53	Asterosap-induced elevation in intracellular pH is indispensable for ARIS-induced sustained increase in intracellular Ca ²⁺ and following acrosome reaction in starfish spermatozoa. <i>Zygote</i> , 2005, 13, 63-71.	0.5	11
54	Ca ²⁺ spikes in the flagellum control chemotactic behavior of sperm. <i>EMBO Journal</i> , 2005, 24, 2741-2752.	3.5	165

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55	Guanylyl cyclase and cGMP-specific phosphodiesterase participate in the acrosome reaction of starfish sperm. <i>Zygote</i> , 2004, 12, 345-355.	0.5	5
56	Transcriptional pattern of a novel gene, expressed specifically after the point-of-no-return during sexualization, in planaria. <i>Development Genes and Evolution</i> , 2003, 212, 585-592.	0.4	27
57	A sperm-activating peptide controls a cGMP-signaling pathway in starfish sperm. <i>Developmental Biology</i> , 2003, 260, 314-324.	0.9	81
58	Switch from Asexual to Sexual Reproduction in the Planarian <i>Dugesia ryukyuensis</i> . <i>Integrative and Comparative Biology</i> , 2003, 43, 242-246.	0.9	27
59	Biochemical characterization of inner sugar chains of acrosome reaction-inducing substance in jelly coat of starfish eggs. <i>Glycobiology</i> , 2003, 13, 567-580.	1.3	15
60	Characterization of the Sperm Receptor for Acrosome Reaction-Inducing Substance of the Starfish, <i>Asterias Amurensis</i> . <i>Zoological Science</i> , 2002, 19, 435-442.	0.3	11
61	Acrosome reaction in starfish: signal molecules in the jelly coat and their receptors. <i>Zygote</i> , 1999, 8, S26-S27.	0.5	1
62	Species-specificity of the acrosome reaction in starfish. <i>Zygote</i> , 1999, 8, S62-S62.	0.5	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 planarian <i>Dugesia ryukyuensis</i> . <i>Invertebrate Reproduction and Development</i> , 1999, 36, 153-158.	0.3	8
65	Switching from Asexual to Sexual Reproduction in the Planarian <i>Dugesia ryukyuensis</i> : Bioassay System and Basic Description of Sexualizing Process. <i>Zoological Science</i> , 1999, 16, 291-298.	0.3	45