

Diane C Shakes

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,463
citations

516710

16
h-index

501196

28
g-index

34
all docs

34
docs citations

34
times ranked

1196
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular evolution of the 14-3-3 protein family. <i>Journal of Molecular Evolution</i> , 1996, 43, 384-398.	1.8	203
2	Metaphase to Anaphase (mat) Transition—Defective Mutants in <i>Caenorhabditis elegans</i> . <i>Journal of Cell Biology</i> , 2000, 151, 1469-1482.	5.2	159
3	Chapter 16 Immunofluorescence Microscopy. <i>Methods in Cell Biology</i> , 1995, 48, 365-394.	1.1	158
4	Initiation of spermiogenesis in <i>C. elegans</i> : A pharmacological and genetic analysis. <i>Developmental Biology</i> , 1989, 134, 189-200.	2.0	138
5	Spermatogenesis-Specific Features of the Meiotic Program in <i>Caenorhabditis elegans</i> . <i>PLoS Genetics</i> , 2009, 5, e1000611.	3.5	115
6	Spermatogenesis. <i>Advances in Experimental Medicine and Biology</i> , 2013, 757, 171-203.	1.6	82
7	A sperm-supplied product essential for initiation of normal embryogenesis in <i>Caenorhabditis elegans</i> is encoded by the paternal-effect embryonic-lethal gene, <i>spe-11</i> . <i>Developmental Biology</i> , 1989, 136, 154-166.	2.0	80
8	Multiple Subunits of the <i>Caenorhabditis elegans</i> Anaphase-Promoting Complex Are Required for Chromosome Segregation During Meiosis I. <i>Genetics</i> , 2002, 160, 805-813.	2.9	66
9	Mutations that disrupt the morphogenesis and localization of a sperm-specific organelle in <i>Caenorhabditis elegans</i> . <i>Developmental Biology</i> , 1989, 134, 307-316.	2.0	59
10	Developmental defects observed in hypomorphic anaphase-promoting complex mutants are linked to cell cycle abnormalities. <i>Development (Cambridge)</i> , 2003, 130, 1605-1620.	2.5	58
11	Immunofluorescence Microscopy. <i>Methods in Cell Biology</i> , 2012, 107, 35-66.	1.1	53
12	Asymmetric spermatocyte division as a mechanism for controlling sex ratios. <i>Nature Communications</i> , 2011, 2, 157.	12.8	52
13	SPE-44 Implements Sperm Cell Fate. <i>PLoS Genetics</i> , 2012, 8, e1002678.	3.5	36
14	Forward Genetics Identifies a Requirement for the Izumo-like Immunoglobulin Superfamily <i>spe-45</i> Gene in <i>Caenorhabditis elegans</i> Fertilization. <i>Current Biology</i> , 2015, 25, 3220-3224.	3.9	31
15	Cytoskeletal variations in an asymmetric cell division support diversity in nematode sperm size and sex ratios. <i>Development (Cambridge)</i> , 2017, 144, 3253-3263.	2.5	31
16	Sex- and Gamete-Specific Patterns of X Chromosome Segregation in a Trioecious Nematode. <i>Current Biology</i> , 2018, 28, 93-99.e3.	3.9	22
17	The Genetics and Cell Biology of Fertilization. <i>Methods in Cell Biology</i> , 2011, 106, 343-375.	1.1	20
18	The conserved molting/circadian rhythm regulator NHR-23/NR1F1 serves as an essential co-regulator of <i>C. elegans</i> spermatogenesis. <i>Development (Cambridge)</i> , 2020, 147, .	2.5	18

#	ARTICLE	IF	CITATIONS
19	Molecular Evolution of the 14-3-3 Protein Family. <i>Journal of Molecular Evolution</i> , 1996, 43, 384-398.	1.8	15
20	<i>emb-1</i> Encodes the APC16 Subunit of the <i>Caenorhabditis elegans</i> Anaphase-Promoting Complex. <i>Genetics</i> , 2011, 189, 549-560.	2.9	13
21	<i>Caenorhabditis elegans</i> UBC-2 functions with the anaphase-promoting complex but also has other activities. <i>Journal of Cell Science</i> , 2004, 117, 5427-5435.	2.0	10
22	Germ cell cysts and simultaneous sperm and oocyte production in a hermaphroditic nematode. <i>Developmental Biology</i> , 2017, 430, 362-373.	2.0	9
23	Fisher vs. the Worms: Extraordinary Sex Ratios in Nematodes and the Mechanisms that Produce Them. <i>Cells</i> , 2021, 10, 1793.	4.1	9
24	The intrinsically disordered protein SPE-18 promotes localized assembly of MSP in <i>Caenorhabditis elegans</i> spermatocytes. <i>Development (Cambridge)</i> , 2021, 148, .	2.5	8
25	For Male <i>Caenorhabditis elegans</i> , Sperm Activation Is a "Just-in-Time" Event. <i>PLoS Genetics</i> , 2011, 7, e1002392.	3.5	7
26	Elucidating Gene Regulatory Mechanisms for Sperm Function Through the Integration of Classical and Systems Approaches in <i>C. elegans</i> . <i>Systems Biology in Reproductive Medicine</i> , 2010, 56, 222-235.	2.1	3
27	Localization of SUMO-modified Proteins Using Fluorescent Sumo-trapping Proteins. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	2
28	Subcellular patterns of SPE-6 localization reveal unexpected complexities in <i>Caenorhabditis elegans</i> sperm activation and sperm function. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	1.8	2
29	MFP1/MSD-1 and MFP2/NSPH-2 co-localize with MSP during spermatogenesis. <i>MicroPublication Biology</i> , 2021, 2021, .	0.1	0