Gary M Wessel

List of Publications by Year
in descending order

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210	7,685	57719 44	69214 77
papers	citations	h-index	g-index

223	223	223	6023
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	A conserved node in the regulation of Vasa between an induced and an inherited program of primordial germ cell specification. Developmental Biology, 2022, 482, 28-33.	0.9	12
2	A single-cell RNA-seq analysis of Brachyury-expressing cell clusters suggests a morphogenesis-associated signal center of oral ectoderm in sea urchin embryos. Developmental Biology, 2022, 483, 128-142.	0.9	8
3	Post-transcriptional regulation of factors important for the germ line. Current Topics in Developmental Biology, 2022, 146, 49-78.	1.0	1
4	Methodology for Whole Mount and Fluorescent RNA In Situ Hybridization in Echinoderms: Single, Double, and Beyond. Methods in Molecular Biology, 2021, 2219, 195-216.	0.4	22
5	In silico determination of nitrogen metabolism in microbes from extreme conditions using metagenomics. Archives of Microbiology, 2021, 203, 2521-2540.	1.0	4
6	CRISPR-Cas9 editing of non-coding genomic loci as a means of controlling gene expression in the sea urchin. Developmental Biology, 2021, 472, 85-97.	0.9	15
7	Single-cell transcriptomics reveals lasting changes in the lung cellular landscape into adulthood after neonatal hyperoxic exposure. Redox Biology, 2021, 48, 102091.	3.9	15
8	Bindin is essential for fertilization in the sea urchin. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e2109636118.	3.3	20
9	William H. Klein 1946â€“2021. Developmental Biology, 2021, 477, 35-36.	0.9	0
10	Light-induced, spatiotemporal control of protein in the developing embryo of the sea urchin. Developmental Biology, 2021, 478, 13-24.	0.9	2
11	Somatic cell conversion to a germ cell lineage: A violation or a revelation?. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2021, 336, 666-679.	0.6	8
12	Prediction of Genes That Function in Methanogenesis and CO2 Pathways in Extremophiles. Microorganisms, 2021, 9, 2211.	1.6	3
13	Polarized Dishevelled dissolution and reassembly drives embryonic axis specification in sea star oocytes. Current Biology, 2021, 31, 5633-5641.e4.	1.8	8
14	Sperm lacking Bindin are infertile but are otherwise indistinguishable from wildtype sperm. Scientific Reports, 2021, 11, 21583.	1.6	5
15	Unscrambling the oocyte and the egg: clarifying terminology of the female gamete in mammals. Molecular Human Reproduction, 2020, 26, 797-800.	1.3	8
16	Genomic insights of body plan transitions from bilateral to pentameral symmetry in Echinoderms. Communications Biology, 2020, 3, 371.	2.0	34
17	A single cell RNA sequencing resource for early sea urchin development. Development (Cambridge), 2020, 147, .	1.2	36
18	Do I menstruate or â€œestruateâ€?â€”Is this just a potato, potatoe thing?. Molecular Reproduction and Development, 2020, 87, 737-738.	1.0	0

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19	Genetic manipulation of the pigment pathway in a sea urchin reveals distinct lineage commitment prior to metamorphosis in the bilateral to radial body plan transition. Scientific Reports, 2020, 10, 1973.	1.6	26
20	Molecular identification and performance evaluation of wild yeasts from different Ethiopian fermented products. Journal of Food Science and Technology, 2020, 57, 3436-3444.	1.4	9
21	Regulation of dynamic pigment cell states at single-cell resolution. ELife, 2020, 9, .	2.8	36
22	Molecular Characterization of Fermenting Yeast Species from Fermented<i> Teff</i> Dough during Preparation of<i> Injera</i> Using ITS DNA Sequence. International Journal of Food Science, 2019, 2019, 1-7.	0.9	11
23	Dysfunctional MDR-1 disrupts mitochondrial homeostasis in the oocyte and ovary. Scientific Reports, 2019, 9, 9616.	1.6	12
24	Evolutionary modification of AGS protein contributes to formation of micromeres in sea urchins. Nature Communications, 2019, 10, 3779.	5.8	19
25	Single cell RNAâ€seq in the sea urchin embryo show marked cellâ€type specificity in the Delta/Notch pathway. Molecular Reproduction and Development, 2019, 86, 931-934.	1.0	14
26	Construction and characterization of metal ion-containing DNA nanowires for synthetic biology and nanotechnology. Scientific Reports, 2019, 9, 6942.	1.6	25
27	Distinct transcriptional regulation of Nanos2 in the germ line and soma by the Wnt and delta/notch pathways. Developmental Biology, 2019, 452, 34-42.	0.9	20
28	Methods to label, isolate, and image sea urchin small micromeres, the primordial germ cells (PGCs). Methods in Cell Biology, 2019, 150, 269-292.	0.5	6
29	Trapping, tagging and tracking: Tools for the study of proteins during early development of the sea urchin. Methods in Cell Biology, 2019, 151, 283-304.	0.5	0
30	Identifying gene expression from single cells to single genes. Methods in Cell Biology, 2019, 151, 127-158.	0.5	8
31	CRISPR/Cas9-mediated genome editing in sea urchins. Methods in Cell Biology, 2019, 151, 305-321.	0.5	14
32	Nodal induces sequential restriction of germ cell factors during primordial germ cell specification. Development (Cambridge), 2018, 145, .	1.2	18
33	Ovarian hormones modulate multidrug resistance transporters in the ovary. Contraception and Reproductive Medicine, 2018, 3, 26.	0.7	9
34	Nitrogen mustard exposure perturbs oocyte mitochondrial physiology and alters reproductive outcomes. Reproductive Toxicology, 2018, 82, 80-87.	1.3	10
35	Echinodermata. , 2018, , 533-545.		0
36	Isolation and Molecular Identification of Lactic Acid Bacteria Using 16s rRNA Genes from FermentedTeff(Eragrostis tef(Zucc.)) Dough. International Journal of Food Science, 2018, 2018, 1-7.	0.9	17

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37	These Colors Donâ€™t Run: Regulation of Pigmentâ€"Biosynthesis in Echinoderms. Results and Problems in Cell Differentiation, 2018, 65, 515-525.	0.2	17
38	Multidrug resistance transporter-1 and breast cancer resistance protein protect against ovarian toxicity, and are essential in ovarian physiology. Reproductive Toxicology, 2017, 69, 121-131.	1.3	22
39	Transient translational quiescence in primordial germ cells. Development (Cambridge), 2017, 144, 1201-1210.	1.2	30
40	T'is a chilly season for reproduction. Molecular Reproduction and Development, 2017, 84, 1-1.	1.0	4
41	Planned parenthood, and female control over reproduction. Molecular Reproduction and Development, 2017, 84, 195-195.	1.0	0
42	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
43	The <i>oohs</i> and <i>oompahs</i> are in good company!. Molecular Reproduction and Development, 2017, 84, 1019-1019.	1.0	0
44	Single nucleotide editing without DNA cleavage using CRISPR/Cas9â€deaminase in the sea urchin embryo. Developmental Dynamics, 2017, 246, 1036-1046.	0.8	25
45	Germline factor DDX 4 functions in bloodâ€derived cancer cell phenotypes. Cancer Science, 2017, 108, 1612-1619.	1.7	37
46	A quiet space during rush hour: Quiescence in primordial germ cells. Stem Cell Research, 2017, 25, 296-299.	0.3	8
47	Sea Star Wasting Disease in Asterias forbesi along the Atlantic Coast of North America. PLoS ONE, 2017, 12, e0188523.	1.1	32
48	The milk line â€•where mammary gland meets mathematics. Molecular Reproduction and Development, 2016, 83, 1-1.	1.0	3
49	Well, at least it is better than deathâ€¦. Molecular Reproduction and Development, 2016, 83, 371-371.	1.0	0
50	Toxic embryos? Oh myâ€¦.. Molecular Reproduction and Development, 2016, 83, 1041-1041.	1.0	0
51	An unregulated regulator: Vasa expression in the development of somatic cells and in tumorigenesis. Developmental Biology, 2016, 415, 24-32.	0.9	26
52	Differential Nanos 2 protein stability results in selective germ cell accumulation in the sea urchin. Developmental Biology, 2016, 418, 146-156.	0.9	19
53	Regeneration in bipinnaria larvae of the bat star Patiria miniata induces rapid and broad new gene expression. Mechanisms of Development, 2016, 142, 10-21.	1.7	16
54	When one is (more than) enough! The singular ovary in birdsâ€¦. Molecular Reproduction and Development, 2016, 83, 271-271.	1.0	1

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55	The diversity of nanos expression in echinoderm embryos supports different mechanisms in germ cell specification. Evolution & Development, 2016, 18, 267-278.	1.1	20
56	Albinism as a visual, in vivo guide for CRISPR/Cas9 functionality in the sea urchin embryo. Molecular Reproduction and Development, 2016, 83, 1046-1047.	1.0	29
57	Now that is a game changer: The entire reproductive cycle of an oocyte in a dish. Molecular Reproduction and Development, 2016, 83, 939-939.	1.0	0
58	To the extremes and beyondâ€¦ Now those are talented mammary glands!. Molecular Reproduction and Development, 2016, 83, 465-465.	1.0	0
59	I did not see that coming! It is more than bugs in the bagina. Molecular Reproduction and Development, 2016, 83, 571-571.	1.0	0
60	I can see it when I believe it â€•or at least define it. Molecular Reproduction and Development, 2016, 83, 649-649.	1.0	0
61	I always wonderedâ€¦. Molecular Reproduction and Development, 2016, 83, 743-743.	1.0	0
62	Germ Line Mechanicsâ€"And Unfinished Business. Current Topics in Developmental Biology, 2016, 117, 553-566.	1.0	8
63	Reproduction in the extremes. Molecular Reproduction and Development, 2016, 83, 89-89.	1.0	1
64	The morphogenesis of words â€¦ it happens in science too!. Molecular Reproduction and Development, 2016, 83, 183-183.	1.0	0
65	Fertilization Mechanisms in Flowering Plants. Current Biology, 2016, 26, R125-R139.	1.8	229
66	The double-edged sword of the mammalian oocyte â€" advantages, drawbacks and approaches for basic and clinical analysis at the single cell level. Molecular Human Reproduction, 2016, 22, 200-207.	1.3	14
67	Complexity of Yolk Proteins and Their Dynamics in the Sea Star <i>Patiria miniata</i>. Biological Bulletin, 2016, 230, 209-219.	0.7	5
68	Broad functions for the â€œgermâ€•line factorâ€•vasa. Molecular Reproduction and Development, 2015, 82, 405-405.	1.0	1
69	Germ Line Versus Soma in the Transition from Egg to Embryo. Current Topics in Developmental Biology, 2015, 113, 149-190.	1.0	20
70	Picking the right tool for the job-Phosphoproteomics of egg activation. Proteomics, 2015, 15, 3925-3927.	1.3	0
71	Essential elements for translation: the germline factor Vasa functions broadly in somatic cells. Development (Cambridge), 2015, 142, 1960-1970.	1.2	48
72	The germ line begins as a single cluster of cells in the pentaâ€•radial juvenile starfish. Molecular Reproduction and Development, 2015, 82, 821-821.	1.0	0

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73	Simple perfusion apparatus for manipulation, tracking, and study ofÂoocytes and embryos. Fertility and Sterility, 2015, 103, 281-290.e5.	0.5	28
74	Phylogenomic Analyses of Echinodermata Support the Sister Groups of Asterozoa and Echinozoa. PLoS ONE, 2015, 10, e0119627.	1.1	87
75	Two-pore channels function in calcium regulation in sea star oocytes and embryos. Development (Cambridge), 2014, 141, 4598-4609.	1.2	15
76	Deadenylase depletion protects inherited mRNAs in primordial germ cells. Development (Cambridge), 2014, 141, 3134-3142.	1.2	31
77	Migration of sea urchin primordial germ cells. Developmental Dynamics, 2014, 243, C1.	0.8	0
78	Origin and development of the germ line in sea stars. Genesis, 2014, 52, 367-377.	0.8	22
79	Piwi regulates Vasa accumulation during embryogenesis in the sea urchin. Developmental Dynamics, 2014, 243, 451-458.	0.8	17
80	Every which wayâ€"nanos gene regulation in echinoderms. Genesis, 2014, 52, 279-286.	0.8	11
81	The biology of the germ line in echinoderms. Molecular Reproduction and Development, 2014, 81, 679-711.	1.0	34
82	Isolating Specific Embryonic Cells of the Sea Urchin by FACS. Methods in Molecular Biology, 2014, 1128, 187-196.	0.4	10
83	Selective accumulation of germâ€line associated gene products in early development of the sea star and distinct differences from germâ€line development in the sea urchin. Developmental Dynamics, 2014, 243, 568-587.	0.8	32
84	PIWI proteins and PIWI-interacting RNAs function in <i>Hydra</i> somatic stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 337-342.	3.3	140
85	Migration of sea urchin primordial germ cells. Developmental Dynamics, 2014, 243, 917-927.	0.8	25
86	Protein degradation machinery is present broadly during early development in the sea urchin. Gene Expression Patterns, 2014, 15, 135-141.	0.3	2
87	Dysferlin is essential for endocytosis in the sea star oocyte. Developmental Biology, 2014, 388, 94-102.	0.9	14
88	Conservation of sequence and function in fertilization of the cortical granule serine protease in echinoderms. Biochemical and Biophysical Research Communications, 2014, 450, 1135-1141.	1.0	3
89	Long live reproductive diversityâ€¦ and the marvelous monotremes. Molecular Reproduction and Development, 2014, 81, fmi-fmi.	1.0	0
90	Multidrug-resistant transport activity protects oocytes from chemotherapeutic agents and changes during oocyte maturation. Fertility and Sterility, 2013, 100, 1428-1435.e7.	0.5	24

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91	Meiotic gene expression initiates during larval development in the sea urchin. Developmental Dynamics, 2013, 242, 155-163.	0.8	5
92	Calcium pathway machinery at fertilization in echinoderms. Cell Calcium, 2013, 53, 16-23.	1.1	23
93	Roles for focal adhesion kinase (FAK) in blastomere abscission and vesicle trafficking during cleavage in the sea urchin embryo. Mechanisms of Development, 2013, 130, 290-303.	1.7	2
94	Diversity in the fertilization envelopes of echinoderms. Evolution & Development, 2013, 15, 28-40.	1.1	23
95	Lessons for inductive germline determination. Molecular Reproduction and Development, 2013, 80, 590-609.	1.0	29
96	The 3â€²UTR of nanos2 directs enrichment in the germ cell lineage of the sea urchin. Developmental Biology, 2013, 377, 275-283.	0.9	26
97	Retention of exogenous mRNAs selectively in the germ cells of the sea urchin requires only a 5â€²-cap and a 3â€²-UTR. Molecular Reproduction and Development, 2013, 80, 561-569.	1.0	13
98	George Nicholas Papanicolaou: (May 13, 1883 â€•February 18, 1962). Molecular Reproduction and Development, 2013, 80, Fm i.	1.0	0
99	Autonomy in specification of primordial germ cells and their passive translocation in the sea urchin. Development (Cambridge), 2012, 139, 3786-3794.	1.2	43
100	The forkhead transcription factor FoxY regulates Nanos. Molecular Reproduction and Development, 2012, 79, 680-688.	1.0	14
101	Histamine is a modulator of metamorphic competence in Strongylocentrotus purpuratus(Echinodermata: Echinoidea). BMC Developmental Biology, 2012, 12, 14.	2.1	45
102	Histamine receptor regulation at fertilization. Molecular Reproduction and Development, 2012, 79, 237-237.	1.0	0
103	The anatomy of transcription: Oscar Lee Miller (April 12, 1925â€"January 28, 2012). Molecular Reproduction and Development, 2012, 79, Fm i.	1.0	0
104	Transcriptome variance in single oocytes within, and between, genotypes. Molecular Reproduction and Development, 2012, 79, 502-503.	1.0	6
105	Rapid detection and quantification of specific proteins by immunodepletion and microfluidic separation. Biotechnology Journal, 2012, 7, 1008-1013.	1.8	1
106	Select microRNAs are essential for early development in the sea urchin. Developmental Biology, 2012, 362, 104-113.	0.9	55
107	The DEAD-box RNA helicase Vasa functions in embryonic mitotic progression in the sea urchin. Development (Cambridge), 2011, 138, 2217-2222.	1.2	53
108	Post-translational regulation by gustavus contributes to selective Vasa protein accumulation in multipotent cells during embryogenesis. Developmental Biology, 2011, 349, 440-450.	0.9	51

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109	Concordance and interaction of guanine nucleotide dissociation inhibitor (RhoGDI) with RhoA in oogenesis and early development of the sea urchin. Development Growth and Differentiation, 2011, 53, 427-439.	0.6	1
110	Small micromeres contribute to the germline in the sea urchin. Development (Cambridge), 2011, 138, 237-243.	1.2	78
111	Polar bodiesâ€"more a lack of understanding than a lack of respect. Molecular Reproduction and Development, 2011, 78, 3-8.	1.0	39
112	The multiple hats of Vasa: Its functions in the germline and in cell cycle progression. Molecular Reproduction and Development, 2011, 78, 861-867.	1.0	49
113	The Transcriptome of a Human Polar Body Accurately Reflects Its Sibling Oocyte. Journal of Biological Chemistry, 2011, 286, 40743-40749.	1.6	47
114	Detection of oocyte mRNA in starfish polar bodies. Molecular Reproduction and Development, 2010, 77, 386-386.	1.0	3
115	VISIONS: the art of science. Molecular Reproduction and Development, 2010, 77, 473-473.	1.0	0
116	Exogenous RNA is selectively retained in the small micromeres during sea urchin embryogenesis. Molecular Reproduction and Development, 2010, 77, 836-836.	1.0	14
117	John Morrill: Scientist, Educator, Friend (Nov. 20, 1929 - Aug. 9, 2010). Molecular Reproduction and Development, 2010, 77, n/a-n/a.	1.0	0
118	A conserved germline multipotency program. Development (Cambridge), 2010, 137, 4113-4126.	1.2	204
119	Use of Sea Stars to Study Basic Reproductive Processes. Systems Biology in Reproductive Medicine, 2010, 56, 236-245.	1.0	28
120	Purified TPC Isoforms Form NAADP Receptors with Distinct Roles for Ca2+ Signaling and Endolysosomal Trafficking. Current Biology, 2010, 20, 703-709.	1.8	234
121	Vasa genes: Emerging roles in the germ line and in multipotent cells. BioEssays, 2010, 32, 626-637.	1.2	142
122	Detection and quantification of mRNA in single human polar bodies: a minimally invasive test of gene expression during oogenesis. Molecular Human Reproduction, 2010, 16, 938-943.	1.3	19
123	Versatile Germline Genes. Science, 2010, 329, 640-641.	6.0	80
124	DEAD-box helicases: Posttranslational regulation and function. Biochemical and Biophysical Research Communications, 2010, 395, 1-6.	1.0	65
125	Nanos functions to maintain the fate of the small micromere lineage in the sea urchin embryo. Developmental Biology, 2010, 337, 220-232.	0.9	70
126	Extracellular matrix modifications at fertilization: regulation of dityrosine crosslinking by transamidation. Development (Cambridge), 2009, 136, 1835-1847.	1.2	15

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127	An evolutionary transition of <i>vasa</i> regulation in echinoderms. Evolution & Development, 2009, 11, 560-573.	1.1	22
128	Cell surface changes in the egg at fertilization. Molecular Reproduction and Development, 2009, 76, 942-953.	1.0	31
129	From the Editorâ€inâ€Chief. Molecular Reproduction and Development, 2009, 76, NA.	1.0	0
130	Polycomb group gene expression in the sea urchin. Developmental Dynamics, 2008, 237, 1851-1861.	0.8	3
131	Ca2+ Signaling Occurs via Second Messenger Release from Intraorganelle Synthesis Sites. Current Biology, 2008, 18, 1612-1618.	1.8	61
132	FRAP Analysis of Secretory Granule Lipids and Proteins in the Sea Urchin Egg. Methods in Molecular Biology, 2008, 440, 61-76.	0.4	5
133	Vasa protein expression is restricted to the small micromeres of the sea urchin, but is inducible in other lineages early in development. Developmental Biology, 2008, 314, 276-286.	0.9	101
134	Free-radical crosslinking of specific proteins alters the function of the egg extracellular matrix at fertilization. Development (Cambridge), 2008, 135, 431-440.	1.2	28
135	Membrane Hemifusion Is a Stable Intermediate of Exocytosis. Developmental Cell, 2007, 12, 653-659.	3.1	69
136	Flipping the switch: How a sperm activates the egg at fertilization. Developmental Dynamics, 2007, 236, 2027-2038.	0.8	91
137	Genes involved in the RNA interference pathway are differentially expressed during sea urchin development. Developmental Dynamics, 2007, 236, 3180-3190.	0.8	22
138	The many faces of egg activation at fertilization. Signal Transduction, 2007, 7, 118-141.	0.7	5
139	The Genome of the Sea Urchin Strongylocentrotus purpuratus. Science, 2006, 314, 941-952.	6.0	1,018
140	In the beginningâ€¦ Animal fertilization and sea urchin development. Developmental Biology, 2006, 300, 15-26.	0.9	47
141	Germ line determinants are not localized early in sea urchin development, but do accumulate in the small micromere lineage. Developmental Biology, 2006, 300, 406-415.	0.9	104
142	Oogenesis: Single cell development and differentiation. Developmental Biology, 2006, 300, 385-405.	0.9	55
143	Lineage-specific expansions provide genomic complexity among sea urchin GTPases. Developmental Biology, 2006, 300, 165-179.	0.9	8
144	A functional genomic and proteomic perspective of sea urchin calcium signaling and egg activation. Developmental Biology, 2006, 300, 416-433.	0.9	53

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145	Activator of G-protein signaling in asymmetric cell divisions of the sea urchin embryo. Development Growth and Differentiation, 2006, 48, 549-557.	0.6	13
146	Synaptotagmin I is involved in the regulation of cortical granule exocytosis in the sea urchin. Molecular Reproduction and Development, 2006, 73, 895-905.	1.0	23
147	The histamine H1 receptor activates the nitric oxide pathway at fertilization. Molecular Reproduction and Development, 2006, 73, 1550-1563.	1.0	22
148	Rendezvin: An Essential Gene Encoding Independent, Differentially Secreted Egg Proteins That Organize the Fertilization Envelope Proteome after Self-Association. Molecular Biology of the Cell, 2006, 17, 5241-5252.	0.9	16
149	How to make an egg: transcriptional regulation in oocytes. Differentiation, 2005, 73, 1-17.	1.0	68
150	Every sperm â€“ and germ cell protocol â€“ is sacred. Development (Cambridge), 2005, 132, 5127-5128.	1.2	0
151	Defending the Zygote: Search for the Ancestral Animal Block to Polyspermy. Current Topics in Developmental Biology, 2005, 72, 1-151.	1.0	120
152	Reactive oxygen species and Udx1 during early sea urchin development. Developmental Biology, 2005, 288, 317-333.	0.9	28
153	Regulation of the Epithelial-to-Mesenchymal Transition in Sea Urchin Embryos. , 2005, , 77-100.		3
154	Î²Î³ subunits of heterotrimeric G-proteins contribute to Ca2+ release at fertilization in the sea urchin. Journal of Cell Science, 2004, 117, 5995-6005.	1.2	25
155	The Major Yolk Protein of Sea Urchins Is Endocytosed by a Dynamin-Dependent Mechanism1. Biology of Reproduction, 2004, 71, 705-713.	1.2	19
156	Regulated Proteolysis by Cortical Granule Serine Protease 1 at Fertilization. Molecular Biology of the Cell, 2004, 15, 2084-2092.	0.9	25
157	Isolation of Organelles and Components from Sea Urchin Eggs and Embryos. Methods in Cell Biology, 2004, 74, 491-522.	0.5	11
158	Major components of a sea urchin block to polyspermy are structurally and functionally conserved. Evolution & Development, 2004, 6, 134-153.	1.1	26
159	Selective expression of a sec1/munc18 member in sea urchin eggs and embryos. Gene Expression Patterns, 2004, 4, 645-657.	0.3	10
160	Obtaining and Handling Echinoderm Oocytes. Methods in Cell Biology, 2004, 74, 87-114.	0.5	11
161	Regulatory contribution of heterotrimeric G-proteins to oocyte maturation in the sea urchin. Mechanisms of Development, 2004, 121, 247-259.	1.7	18
162	A Rho-signaling pathway mediates cortical granule translocation in the sea urchin oocyte. Mechanisms of Development, 2004, 121, 225-235.	1.7	15

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163	The Invertebrate Deuterostomes: An Introduction to Their Phylogeny, Reproduction, Development, and Genomics. Methods in Cell Biology, 2004, 74, 1-13.	0.5	18
164	The Oxidative Burst at Fertilization Is Dependent upon Activation of the Dual Oxidase Udx1. Developmental Cell, 2004, 7, 801-814.	3.1	120
165	Proteolytic cleavage of the cell surface protein p160 is required for detachment of the fertilization envelope in the sea urchin. Developmental Biology, 2004, 272, 191-202.	0.9	22
166	Cyclin B synthesis is required for sea urchin oocyte maturation. Developmental Biology, 2003, 256, 258-275.	0.9	43
167	Selective transport and packaging of the major yolk protein in the sea urchin. Developmental Biology, 2003, 261, 353-370.	0.9	32
168	Calcium-triggered Membrane Fusion Proceeds Independently of Specific Presynaptic Proteins. Journal of Biological Chemistry, 2003, 278, 24251-24254.	1.6	47
169	The Regulation of Oocyte Maturation. Current Topics in Developmental Biology, 2003, 58, 53-110.	1.0	108
170	Cyclin D and cdk4 Are Required for Normal Development beyond the Blastula Stage in Sea Urchin Embryos. Molecular and Cellular Biology, 2002, 22, 4863-4875.	1.1	21
171	The Major Yolk Protein in Sea Urchins Is a Transferrin-like, Iron Binding Protein. Developmental Biology, 2002, 245, 1-12.	0.9	90
172	Cortical granule translocation is microfilament mediated and linked to meiotic maturation in the sea urchin oocyte. Development (Cambridge), 2002, 129, 4315-4325.	1.2	76
173	Cortical granule translocation is microfilament mediated and linked to meiotic maturation in the sea urchin oocyte. Development (Cambridge), 2002, 129, 4315-25.	1.2	18
174	Cyclin E and Its Associated cdk Activity Do Not Cycle during Early Embryogenesis of the Sea Urchin. Developmental Biology, 2001, 234, 425-440.	0.9	23
175	Membrane Trafficking Machinery Components Associated with the Mammalian Acrosome during Spermiogenesis. Experimental Cell Research, 2001, 267, 45-60.	1.2	89
176	The biology of cortical granules. International Review of Cytology, 2001, 209, 117-206.	6.2	111
177	Apoptosis in sea urchin oocytes, eggs, and early embryos. Molecular Reproduction and Development, 2001, 60, 553-561.	1.0	54
178	Syntaxin, VAMP, and Rab3 are selectively expressed during sea urchin embryogenesis. Molecular Reproduction and Development, 2001, 58, 22-29.	1.0	14
179	A rab3 homolog in sea urchin functions in cell division. FASEB Journal, 2000, 14, 1559-1566.	0.2	16
180	Direct molecular interaction of a conserved yolk granule protein in sea urchins. Development Growth and Differentiation, 2000, 42, 507-517.	0.6	32

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181	SFE1, a Constituent of the Fertilization Envelope in the Sea Urchin Is Made by Oocytes and Contains Low-Density Lipoprotein-Receptor-Like Repeats1. Biology of Reproduction, 2000, 63, 1706-1712.	1.2	24
182	The Golgi Apparatus Segregates from the Lysosomal/Acrosomal Vesicle during Rhesus Spermiogenesis: Structural Alterations. Developmental Biology, 2000, 219, 334-349.	0.9	76
183	SNAREs in Mammalian Sperm: Possible Implications for Fertilization. Developmental Biology, 2000, 223, 54-69.	0.9	115
184	ICSI choreography: fate of sperm structures after monospermic rhesus ICSI and first cell cycle implications. Human Reproduction, 2000, 15, 2610-2620.	0.4	69
185	A rab3 homolog in sea urchin functions in cell division. FASEB Journal, 2000, 14, 1559-1566.	0.2	15
186	How to grow a gut: ontogeny of the endoderm in the sea urchin embryo. BioEssays, 1999, 21, 459-471.	1.2	24
187	Syntaxin Is Required for Cell Division. Molecular Biology of the Cell, 1999, 10, 2735-2743.	0.9	64
188	The Cortical Granule Serine Protease CGSP1 of the Sea Urchin, Strongylocentrotus purpuratus, Is Autocatalytic and Contains a Low-Density Lipoprotein Receptor-like Domain. Developmental Biology, 1999, 211, 1-10.	0.9	40
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