Nathalie Oulhen

List of Publications by Year
in descending order

40 papers	793 citations	430874 18 h-index	580821 25 g-index
43 all docs	43 docs citations	43 times ranked	751 citing authors

#	Article	IF	Citations
1	English translation of Heinrich Anton de Baryâ€™s 1878 speech, â€˜Die Erscheinung der Symbioseâ€™ (â€˜De la) Tj ETQq1 1 0.78431	2.3	81
2	The translational repressor 4E-BP called to order by eIF4E: new structural insights by SAXS. Nucleic Acids Research, 2011, 39, 3496-3503.	14.5	42
3	A single cell RNA sequencing resource for early sea urchin development. Development (Cambridge), 2020, 147, .	2.5	36
4	Regulation of dynamic pigment cell states at single-cell resolution. ELife, 2020, 9, .	6.0	36
5	The biology of the germ line in echinoderms. Molecular Reproduction and Development, 2014, 81, 679-711.	2.0	34
6	A Variant Mimicking Hyperphosphorylated 4E-BP Inhibits Protein Synthesis in a Sea Urchin Cell-Free, Cap-Dependent Translation System. PLoS ONE, 2009, 4, e5070.	2.5	31
7	Deadenylase depletion protects inherited mRNAs in primordial germ cells. Development (Cambridge), 2014, 141, 3134-3142.	2.5	31
8	Transient translational quiescence in primordial germ cells. Development (Cambridge), 2017, 144, 1201-1210.	2.5	30
9	mRNA-Selective Translation Induced by FSH in Primary Sertoli Cells. Molecular Endocrinology, 2012, 26, 669-680.	3.7	29
10	Albinism as a visual, in vivo guide for CRISPR/Cas9 functionality in the sea urchin embryo. Molecular Reproduction and Development, 2016, 83, 1046-1047.	2.0	29
11	Simple perfusion apparatus for manipulation, tracking, and study ofÂoocytes and embryos. Fertility and Sterility, 2015, 103, 281-290.e5.	1.0	28
12	The 3â€²UTR of nanos2 directs enrichment in the germ cell lineage of the sea urchin. Developmental Biology, 2013, 377, 275-283.	2.0	26
13	Migration of sea urchin primordial germ cells. Developmental Dynamics, 2014, 243, 917-927.	1.8	25
14	Multidrug-resistant transport activity protects oocytes from chemotherapeutic agents and changes during oocyte maturation. Fertility and Sterility, 2013, 100, 1428-1435.e7.	1.0	24
15	Diversity in the fertilization envelopes of echinoderms. Evolution & Development, 2013, 15, 28-40.	2.0	23
16	Cyclin B synthesis and rapamycinâ€sensitive regulation of protein synthesis during starfish oocyte meiotic divisions. Molecular Reproduction and Development, 2008, 75, 1617-1626.	2.0	22
17	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.	2.9	22
18	Distinct transcriptional regulation of Nanos2 in the germ line and soma by the Wnt and delta/notch pathways. Developmental Biology, 2019, 452, 34-42.	2.0	20

#	ARTICLE	IF	CITATIONS
19	After fertilization of sea urchin eggs, eIF4G is post-translationally modified and associated with the cap-binding protein eIF4E. Journal of Cell Science, 2007, 120, 425-434.	2.0	19
20	Differential Nanos 2 protein stability results in selective germ cell accumulation in the sea urchin. Developmental Biology, 2016, 418, 146-156.	2.0	19
21	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
22	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.	2.0	15
23	Single-cell transcriptomics reveals lasting changes in the lung cellular landscape into adulthood after neonatal hyperoxic exposure. Redox Biology, 2021, 48, 102091.	9.0	15
24	Dysferlin is essential for endocytosis in the sea star oocyte. Developmental Biology, 2014, 388, 94-102.	2.0	14
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.	2.0	14
26	CRISPR/Cas9-mediated genome editing in sea urchins. Methods in Cell Biology, 2019, 151, 305-321.	1.1	14
27	eIF4Eâ€Binding proteins are differentially modified after ammonia versus intracellular calcium activation of sea urchin unfertilized eggs. Molecular Reproduction and Development, 2010, 77, 83-91.	2.0	13
28	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.	2.0	13
29	Dysfunctional MDR-1 disrupts mitochondrial homeostasis in the oocyte and ovary. Scientific Reports, 2019, 9, 9616.	3.3	12
30	Every which wayâ€"nanos gene regulation in echinoderms. Genesis, 2014, 52, 279-286.	1.6	11
31	A quiet space during rush hour: Quiescence in primordial germ cells. Stem Cell Research, 2017, 25, 296-299.	0.7	8
32	Identifying gene expression from single cells to single genes. Methods in Cell Biology, 2019, 151, 127-158.	1.1	8
33	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.	1.3	8
34	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.	2.0	8
35	Methods to label, isolate, and image sea urchin small micromeres, the primordial germ cells (PGCs). Methods in Cell Biology, 2019, 150, 269-292.	1.1	6
36	Complexity of Yolk Proteins and Their Dynamics in the Sea Star <i>Patiria miniata</i>. Biological Bulletin, 2016, 230, 209-219.	1.8	5

#	Article	IF	Citations
37	Conservation of sequence and function in fertilization of the cortical granule serine protease in echinoderms. Biochemical and Biophysical Research Communications, 2014, 450, 1135-1141.	2.1	3
38	Post-transcriptional regulation of factors important for the germ line. Current Topics in Developmental Biology, 2022, 146, 49-78.	2.2	1
39	Migration of sea urchin primordial germ cells. Developmental Dynamics, 2014, 243, C1.	1.8	0
40	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.	1.1	0