Julia Morales

List of Publications by Year
in descending order

44 papers	3,077 citations	331670 21 h-index	254184 43 g-index
47 all docs	47 docs citations	47 times ranked	4187 citing authors

#	Article	IF	Citations
1	The Genome of the Sea Urchin <i>Strongylocentrotus purpuratus</i>. Science, 2006, 314, 941-952.	12.6	1,018
2	The Ectocarpus genome and the independent evolution of multicellularity in brown algae. Nature, 2010, 465, 617-621.	27.8	774
3	Assembly of the Î±-Globin mRNA Stability Complex Reflects Binary Interaction between the Pyrimidine-Rich 3â€² Untranslated Region Determinant and Poly(C) Binding Protein Î±CP. Molecular and Cellular Biology, 1999, 19, 4572-4581.	2.3	123
4	Analysis of translation using polysome profiling. Nucleic Acids Research, 2017, 45, gkw907.	14.5	119
5	eEF1B: At the dawn of the 21st century. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2006, 1759, 13-31.	2.4	98
6	The sea urchin kinome: A first look. Developmental Biology, 2006, 300, 180-193.	2.0	84
7	Destabilization of Human Î±-Globin mRNA by Translation Anti-termination Is Controlled during Erythroid Differentiation and Is Paralleled by Phased Shortening of the Poly(A) Tail. Journal of Biological Chemistry, 1997, 272, 6607-6613.	3.4	59
8	A glyphosate-based pesticide impinges on transcription. Toxicology and Applied Pharmacology, 2005, 203, 1-8.	2.8	55
9	EIF4E/4E-BP dissociation and 4E-BP degradation in the first mitotic division of the sea urchin embryo. Developmental Biology, 2003, 255, 428-439.	2.0	50
10	eIF4E Association with 4E-BP Decreases Rapidly Following Fertilization in Sea Urchin. Developmental Biology, 2001, 232, 275-283.	2.0	48
11	The genomic repertoire for cell cycle control and DNA metabolism in S. purpuratus. Developmental Biology, 2006, 300, 238-251.	2.0	48
12	Translational control during mitosis. Biochimie, 2005, 87, 805-811.	2.6	43
13	Formulated Glyphosate Activates the DNA-Response Checkpoint of the Cell Cycle Leading to the Prevention of G2/M Transition. Toxicological Sciences, 2004, 82, 436-442.	3.1	42
14	Sequence Divergence in the 3â€² Untranslated Regions of Human Î¶- and Î±-Globin mRNAs Mediates a Difference in Their Stabilities and Contributes to Efficient Î±-to-Î¶ Gene Developmental Switching. Molecular and Cellular Biology, 1998, 18, 2173-2183.	2.3	39
15	Translational control genes in the sea urchin genome. Developmental Biology, 2006, 300, 293-307.	2.0	33
16	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
17	Embryonic-stage-dependent changes in the level of eIF4E-binding proteins during early development of sea urchin embryos. Journal of Cell Science, 2005, 118, 1385-1394.	2.0	30
18	mRNA-Selective Translation Induced by FSH in Primary Sertoli Cells. Molecular Endocrinology, 2012, 26, 669-680.	3.7	29

#	Article	IF	Citations
19	mTOR Signaling at the Crossroad between Metazoan Regeneration and Human Diseases. International Journal of Molecular Sciences, 2020, 21, 2718.	4.1	26
20	Tracking a refined eIF4E-binding motif reveals Angel1 as a new partner of eIF4E. Nucleic Acids Research, 2013, 41, 7783-7792.	14.5	25
21	Characterization of carbonic anhydrases from Riftia pachyptila, a symbiotic invertebrate from deep-sea hydrothermal vents. Proteins: Structure, Function and Bioinformatics, 2003, 51, 327-339.	2.6	24
22	Signal transduction pathways that contribute to CDK1/cyclin B activation during the first mitotic division in sea urchin embryos. Experimental Cell Research, 2004, 296, 347-357.	2.6	24
23	Phosphorylation of Xenopus elongation factor-1Î³ by cdc2 protein kinase: Identification of the phosphorylation site. Experimental Cell Research, 1992, 202, 549-551.	2.6	21
24	Phosphorylation of elongation factor-1 (EF-1) by cdc2 kinase. , 1995, 1, 265-270.		21
25	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
26	Translatome analysis at the egg-to-embryo transition in sea urchin. Nucleic Acids Research, 2018, 46, 4607-4621.	14.5	19
27	The Ectocarpus Genome and Brown Algal Genomics. Advances in Botanical Research, 2012, 64, 141-184.	1.1	18
28	Cyclin B Translation Depends on mTOR Activity after Fertilization in Sea Urchin Embryos. PLoS ONE, 2016, 11, e0150318.	2.5	18
29	Inhibition of translation and modification of translation factors during apoptosis induced by the DNA-damaging agent MMS in sea urchin embryos. Experimental Cell Research, 2008, 314, 961-968.	2.6	17
30	Protein translation during early cell divisions of sea urchin embryos regulated at the level of polypeptide chain elongation and highly sensitive to natural polyamines. Zygote, 2001, 9, 229-236.	1.1	15
31	Dephosphorylation of eIF2Î± is essential for protein synthesis increase and cell cycle progression after sea urchin fertilization. Developmental Biology, 2012, 365, 303-309.	2.0	15
32	Chromium(III) Triggers the DNA-Damaged Checkpoint of the Cell Cycle and Induces a Functional Increase of 4E-BP. Chemical Research in Toxicology, 2008, 21, 542-549.	3.3	12
33	MAPK/ERK activity is required for the successful progression of mitosis in sea urchin embryos. Developmental Biology, 2017, 421, 194-203.	2.0	12
34	Activation of a GPCR leads to eIF4G phosphorylation at the 5â€² cap and to IRES-dependent translation. Journal of Molecular Endocrinology, 2014, 52, 373-382.	2.5	9
35	Modelization of the regulation of protein synthesis following fertilization in sea urchin shows requirement of two processes: a destabilization of eIF4E:4E-BP complex and a great stimulation of the 4E-BP-degradation mechanism, both rapamycin-sensitive. Frontiers in Genetics, 2014, 5, 117.	2.3	7
36	M-phase regulation of the recruitment of mRNAs onto polysomes using the CDK1/cyclin B inhibitor aminopurvalanol. Biochemical and Biophysical Research Communications, 2003, 306, 880-886.	2.1	6

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37	Expression of elongation factor 1Î± (EF-1Î±) and 1Î²Î³ (EF-1Î²Î³) are uncoupled in earlyXenopus embryos. Genesis, 1993, 14, 440-448.	2.1	5
38	Translational Control in Echinoderms: The Calm Before the Storm. , 2016, , 413-434.		5
39	Translational Control of Canonical and Non-Canonical Translation Initiation Factors at the Sea Urchin Egg to Embryo Transition. International Journal of Molecular Sciences, 2019, 20, 626.	4.1	5
40	Model of the delayed translation of cyclin B maternal mRNA after sea urchin fertilization. Molecular Reproduction and Development, 2016, 83, 1070-1082.	2.0	4
41	In vivo analysis of protein translation activity in sea urchin eggs and embryos. Methods in Cell Biology, 2019, 151, 335-352.	1.1	4
42	A Peak of H3T3 Phosphorylation Occurs in Synchrony with Mitosis in Sea Urchin Early Embryos. Cells, 2020, 9, 898.	4.1	4
43	Toward Multiscale Modeling of Molecular and Biochemical Events Occurring at Fertilization Time in Sea Urchins. Results and Problems in Cell Differentiation, 2018, 65, 69-89.	0.7	2
44	Targets of MPF during meiotic cell division. Biology of the Cell, 1992, 76, 218-218.	2.0	0