Patrick H O'farrell

List of Publications by Year
in descending order

65 papers	12,935 citations	57758 44 h-index	106344 65 g-index
65 all docs	65 docs citations	65 times ranked	7017 citing authors

#	Article	IF	Citations
1	Interphase-arrestedÂDrosophilaÂembryos activate zygotic gene expression and initiate mid-blastula transition events at a low nuclear-cytoplasmic ratio. PLoS Biology, 2020, 18, e3000891.	5.6	20
2	Rapid embryonic cell cycles defer the establishment of heterochromatin by Eggless/SetDB1 in <i>Drosophila</i>. Genes and Development, 2019, 33, 403-417.	5.9	64
3	Rif1 prolongs the embryonic S phase at the Drosophila mid-blastula transition. PLoS Biology, 2018, 16, e2005687.	5.6	62
4	The Mitochondrial DNA Polymerase Promotes Elimination of Paternal Mitochondrial Genomes. Current Biology, 2017, 27, 1033-1039.	3.9	39
5	Timing the Drosophila Mid-Blastula Transition: A Cell Cycle-Centered View. Trends in Genetics, 2016, 32, 496-507.	6.7	74
6	TALE-light imaging reveals maternally guided, H3K9me2/3-independent emergence of functional heterochromatin in <i>Drosophila</i> embryos. Genes and Development, 2016, 30, 579-593.	5.9	70
7	Cyclin B3 Is a Mitotic Cyclin that Promotes the Metaphase-Anaphase Transition. Current Biology, 2015, 25, 811-816.	3.9	43
8	Growing an Embryo from a Single Cell: A Hurdle in Animal Life: Figure 1.. Cold Spring Harbor Perspectives in Biology, 2015, 7, a019042.	5.5	45
9	Illuminating DNA replication during Drosophila development using TALE-lights. Current Biology, 2014, 24, R144-R145.	3.9	35
10	Two-Dimensional Gel Electrophoresis and the Beginning of Proteomics. Clinical Chemistry, 2014, 60, 1012-1013.	3.2	2
11	From Egg to Gastrula: How the Cell Cycle Is Remodeled During the<i>Drosophila</i>Mid-Blastula Transition. Annual Review of Genetics, 2014, 48, 269-294.	7.6	165
12	Mechanism and Regulation of Cdc25/Twine Protein Destruction in Embryonic Cell-Cycle Remodeling. Current Biology, 2013, 23, 118-126.	3.9	66
13	Embryonic onset of late replication requires Cdc25 down-regulation. Genes and Development, 2012, 26, 714-725.	5.9	61
14	Different cyclin types collaborate to reverse the S-phase checkpoint and permit prompt mitosis. Journal of Cell Biology, 2012, 198, 973-980.	5.2	12
15	Quiescence: early evolutionary origins and universality do not imply uniformity. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 3498-3507.	4.0	65
16	Developmental Control of Late Replication and S Phase Length. Current Biology, 2010, 20, 2067-2077.	3.9	104
17	Influence of cyclin type and dose on mitotic entry and progression in the early <i>Drosophila</i> embryo. Journal of Cell Biology, 2009, 184, 639-646.	5.2	42
18	DNA replication times the cell cycle and contributes to the mid-blastula transition in <i>Drosophila</i> embryos. Journal of Cell Biology, 2009, 187, 7-14.	5.2	43

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19	Phagocytosis of Candida albicans by RNAi-Treated Drosophila S2 Cells. Methods in Molecular Biology, 2009, 470, 347-358.	0.9	15
20	The preâ€omics era: The early days of twoâ€dimensional gels. Proteomics, 2008, 8, 4842-4852.	2.2	24
21	Rho-dependent control of anillin behavior during cytokinesis. Journal of Cell Biology, 2008, 180, 285-294.	5.2	126
22	An RNA Interference Screen Identifies a Novel Regulator of Target of Rapamycin That Mediates Hypoxia Suppression of Translation in<i>Drosophila</i>S2 Cells. Molecular Biology of the Cell, 2008, 19, 4051-4061.	2.1	35
23	Anillin: a pivotal organizer of the cytokinetic machinery. Biochemical Society Transactions, 2008, 36, 439-441.	3.4	67
24	The endocytic pathway mediates cell entry of dsRNA to induce RNAi silencing. Nature Cell Biology, 2006, 8, 793-802.	10.3	470
25	Rho-kinase Controls Cell Shape Changes during Cytokinesis. Current Biology, 2006, 16, 359-370.	3.9	117
26	Identification of Drosophila Gene Products Required for Phagocytosis of Candida albicans. PLoS Biology, 2005, 4, e4.	5.6	246
27	Embryonic Cleavage Cycles: How Is a Mouse Like a Fly?. Current Biology, 2004, 14, R35-R45.	3.9	171
28	Terminal Cytokinesis Events Uncovered after an RNAi Screen. Current Biology, 2004, 14, 1685-1693.	3.9	252
29	Functional Dissection of an Innate Immune Response by a Genome-Wide RNAi Screen. PLoS Biology, 2004, 2, e203.	5.6	218
30	Nitric oxide-induced suspended animation promotes survival during hypoxia. EMBO Journal, 2003, 22, 580-587.	7.8	57
31	The Degradation of Two Mitotic Cyclins Contributes to the Timing of Cytokinesis. Current Biology, 2003, 13, 373-383.	3.9	55
32	Sister Chromatids Fail to Separate during an Induced Endoreplication Cycle in Drosophila Embryos. Current Biology, 2002, 12, 829-833.	3.9	22
33	The schedule of destruction of three mitotic cyclins can dictate the timing of events during exit from mitosis. Current Biology, 2001, 11, 671-683.	3.9	145
34	Triggering the all-or-nothing switch into mitosis. Trends in Cell Biology, 2001, 11, 512-519.	7.9	166
35	<i>Drosophila wee1</i> Has an Essential Role in the Nuclear Divisions of Early Embryogenesis. Genetics, 2000, 155, 159-166.	2.9	61
36	Mitotic Regulators Govern Progress through Steps in the Centrosome Duplication Cycle. Journal of Cell Biology, 1999, 147, 1371-1378.	5.2	50

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37	Rux is a cyclin-dependent kinase inhibitor (CKI) specific for mitotic cyclinâ€"Cdk complexes. Current Biology, 1999, 9, 1392-1402.	3.9	50
38	Drosophila grapes/CHK1 mutants are defective in cyclin proteolysis and coordination of mitotic events. Current Biology, 1999, 9, 919-S1.	3.9	44
39	Transcribed genes are localized according to chromosomal position within polarized Drosophila embryonic nuclei. Current Biology, 1999, 9, 1263-S6.	3.9	77
40	Nitric Oxide Contributes to Behavioral, Cellular, and Developmental Responses to Low Oxygen in Drosophila. Cell, 1999, 98, 105-114.	28.9	231
41	Fluctuations in Cyclin E levels are required for multiple rounds of endocycle S phase in Drosophila. Current Biology, 1998, 8, 235-238.	3.9	133
42	The Cell Cycle Program in Germ Cells of theDrosophilaEmbryo. Developmental Biology, 1998, 196, 160-170.	2.0	72
43	Chromosome Association of Minichromosome Maintenance Proteins in Drosophila Endoreplication Cycles. Journal of Cell Biology, 1998, 140, 451-460.	5.2	59
44	Chromosome Association of Minichromosome Maintenance Proteins in Drosophila Mitotic Cycles. Journal of Cell Biology, 1997, 139, 13-21.	5.2	50
45	Cdks and the Drosophila cell cycle. Current Opinion in Genetics and Development, 1997, 7, 17-22.	3.3	39
46	Connecting Cell Behavior to Patterning: Lessons from the Cell Cycle. Cell, 1997, 88, 309-314.	28.9	31
47	Qualifying for the license to replicate. Cell, 1995, 81, 825-828.	28.9	57
48	Chapter 27 The Use of Photoactivatable Reagents for the Study of Cell Lineage in Drosophila Embryogenesis. Methods in Cell Biology, 1994, 44, 533-543.	1.1	13
49	The making of a maggot: patterning the Drosophila embryonic epidermis. Current Opinion in Genetics and Development, 1994, 4, 529-534.	3.3	130
50	A universal target sequence is bound in vitro by diverse homeodomains. Mechanisms of Development, 1993, 43, 57-70.	1.7	70
51	The state of engrailed expression is not clonally transmitted during early Drosophila development. Cell, 1992, 68, 923-931.	28.9	168
52	Big genes and little genes and deadlines for transcription. Nature, 1992, 359, 366-367.	27.8	45
53	An evolutionarily conserved cyclin homolog from Drosophila rescues yeast deficient in G1 cyclins. Cell, 1991, 66, 1207-1216.	28.9	174
54	Progression of the cell cycle through mitosis leads to abortion of nascent transcripts. Cell, 1991, 67, 303-310.	28.9	377

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55	Multiple modes of engrailed regulation in the progression towards cell fate determination. Nature, 1991, 352, 404-410.	27.8	270
56	The roles of Drosophila cyclins A and B in mitotic control. Cell, 1990, 61, 535-547.	28.9	463
57	The three postblastoderm cell cycles of Drosophila embryogenesis are regulated in G2 by string. Cell, 1990, 62, 469-480.	28.9	442
58	Genetic control of cell division patterns in the Drosophila embryo. Cell, 1989, 57, 177-187.	28.9	604
59	Expression and function of Drosophila cyclin a during embryonic cell cycle progression. Cell, 1989, 56, 957-968.	28.9	432
60	Two-tiered regulation of spatially patterned engrailed gene expression during Drosophila embryogenesis. Nature, 1988, 332, 604-609.	27.8	404
61	Activation and repression of transcription by homoeodomain-containing proteins that bind a common site. Nature, 1988, 336, 744-749.	27.8	254
62	The sequence specificity of homeodomain-DNA interaction. Cell, 1988, 54, 1081-1090.	28.9	534
63	Spatial Programming of Gene Expression in Early Drosophila Embryogenesis. Annual Review of Cell Biology, 1986, 2, 49-80.	26.1	170
64	The Drosophila developmental gene, engrailed, encodes a sequence-specific DNA binding activity. Nature, 1985, 318, 630-635.	27.8	425
65	High resolution two-dimensional electrophoresis of basic as well as acidic proteins. Cell, 1977, 12, 1133-1142.	28.9	3,808