

Erik E Griffin

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

490
citations

1040056

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h-index

1199594

12
g-index

13
all docs

13
docs citations

13
times ranked

488
citing authors

#	ARTICLE	IF	CITATIONS
1	Microtubules induce self-organization of polarized PAR domains in <i>Caenorhabditis elegans</i> zygotes. <i>Nature Cell Biology</i> , 2011, 13, 1361-1367.	10.3	163
2	Regulation of the MEX-5 Gradient by a Spatially Segregated Kinase/Phosphatase Cycle. <i>Cell</i> , 2011, 146, 955-968.	28.9	122
3	Rapid diffusion-state switching underlies stable cytoplasmic gradients in the <i>Caenorhabditis elegans</i> zygote. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E8440-E8449.	7.1	46
4	Regulation of Cell Polarity by PAR-1/MARK Kinase. <i>Current Topics in Developmental Biology</i> , 2017, 123, 365-397.	2.2	36
5	Polo-like Kinase Couples Cytoplasmic Protein Gradients in the <i>C. elegans</i> Zygote. <i>Current Biology</i> , 2018, 28, 60-69.e8.	3.9	36
6	Coupling between cytoplasmic concentration gradients through local control of protein mobility in the <i>Caenorhabditis elegans</i> zygote. <i>Molecular Biology of the Cell</i> , 2015, 26, 2963-2970.	2.1	24
7	Cytoplasmic localization and asymmetric division in the early embryo of <i>Caenorhabditis elegans</i> . <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2015, 4, 267-282.	5.9	24
8	Single-molecule dynamics of the P granule scaffold MEG-3 in the <i>Caenorhabditis elegans</i> zygote. <i>Molecular Biology of the Cell</i> , 2019, 30, 333-345.	2.1	17
9	SapTrap Assembly of <i>Caenorhabditis elegans</i> MosSCI Transgene Vectors. <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 635-644.	1.8	10
10	PLK-1 Regulation of Asymmetric Cell Division in the Early <i>C. elegans</i> Embryo. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 632253.	3.7	7
11	PIE-1 Translation in the Germline Lineage Contributes to PIE-1 Asymmetry in the Early <i>Caenorhabditis elegans</i> Embryo. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 3791-3801.	1.8	3
12	Modeling protein dynamics in <i>Caenorhabditis elegans</i> embryos reveals that the PLK-1 gradient relies on weakly coupled reaction-diffusion mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2114205119.	7.1	2