

Daniel J Dickinson

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

2,874
citations

516710

16
h-index

501196

28
g-index

37
all docs

37
docs citations

37
times ranked

3351
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering the <i>Caenorhabditis elegans</i> genome using Cas9-triggered homologous recombination. <i>Nature Methods</i> , 2013, 10, 1028-1034.	19.0	905
2	Streamlined Genome Engineering with a Self-Excising Drug Selection Cassette. <i>Genetics</i> , 2015, 200, 1035-1049.	2.9	557
3	CRISPR-Based Methods for <i>Caenorhabditis elegans</i> Genome Engineering. <i>Genetics</i> , 2016, 202, 885-901.	2.9	258
4	A Polarized Epithelium Organized by β - and γ -Catenin Predates Cadherin and Metazoan Origins. <i>Science</i> , 2011, 331, 1336-1339.	12.6	139
5	A Single-Cell Biochemistry Approach Reveals PAR Complex Dynamics during Cell Polarization. <i>Developmental Cell</i> , 2017, 42, 416-434.e11.	7.0	139
6	Comparative assessment of fluorescent proteins for in vivo imaging in an animal model system. <i>Molecular Biology of the Cell</i> , 2016, 27, 3385-3394.	2.1	108
7	MRCK-1 Drives Apical Constriction in <i>C. elegans</i> by Linking Developmental Patterning to Force Generation. <i>Current Biology</i> , 2016, 26, 2079-2089.	3.9	96
8	Control of Protein Activity and Cell Fate Specification via Light-Mediated Nuclear Translocation. <i>PLoS ONE</i> , 2015, 10, e0128443.	2.5	95
9	An expanded auxin-inducible degron toolkit for <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2021, 217, .	2.9	88
10	A CRISPR Tagging-Based Screen Reveals Localized Players in Wnt-Directed Asymmetric Cell Division. <i>Genetics</i> , 2018, 208, 1147-1164.	2.9	75
11	Optogenetic dissection of mitotic spindle positioning in vivo. <i>ELife</i> , 2018, 7, .	6.0	69
12	Roles of Cadherins and Catenins in Cell-Cell Adhesion and Epithelial Cell Polarity. <i>Progress in Molecular Biology and Translational Science</i> , 2013, 116, 3-23.	1.7	59
13	Creaserin uses a TOG domain array to regulate microtubules in the primary cilium. <i>Molecular Biology of the Cell</i> , 2015, 26, 4248-4264.	2.1	52
14	An epithelial tissue in <i>Dictyostelium</i> challenges the traditional origin of metazoan multicellularity. <i>BioEssays</i> , 2012, 34, 833-840.	2.5	48
15	γ -Catenin and IQGAP Regulate Myosin Localization to Control Epithelial Tube Morphogenesis in <i>Dictyostelium</i> . <i>Developmental Cell</i> , 2012, 23, 533-546.	7.0	29
16	Identifying Regulators of Morphogenesis Common to Vertebrate Neural Tube Closure and <i>Caenorhabditis elegans</i> Gastrulation. <i>Genetics</i> , 2016, 202, 123-139.	2.9	22
17	Electron microscopy snapshots of single particles from single cells. <i>Journal of Biological Chemistry</i> , 2019, 294, 1602-1608.	3.4	19
18	A particle size threshold governs diffusion and segregation of PAR-3 during cell polarization. <i>Cell Reports</i> , 2022, 39, 110652.	6.4	19

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19	Ras-Dependent Cell Fate Decisions Are Reinforced by the RAP-1 Small GTPase in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2018, 210, 1339-1354.	2.9	16
20	Light-Dependent Cytoplasmic Recruitment Enhances the Dynamic Range of a Nuclear Import Photoswitch. <i>ChemBioChem</i> , 2018, 19, 1319-1325.	2.6	15
21	Protein Evolution in Cell and Tissue Development: Going Beyond Sequence and Transcriptional Analysis. <i>Developmental Cell</i> , 2011, 21, 32-34.	7.0	14
22	Measuring Protein Binding to F-actin by Co-sedimentation. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	11
23	Rapid extraction and kinetic analysis of protein complexes from single cells. <i>Biophysical Journal</i> , 2021, 120, 5018-5031.	0.5	8
24	Highly improved cloning efficiency for plasmid-based CRISPR knock-in in. <i>MicroPublication Biology</i> , 2021, 2021, .	0.1	5
25	Evolution and Cell Physiology. 3. Using <i>Dictyostelium discoideum</i> to investigate mechanisms of epithelial polarity. <i>American Journal of Physiology - Cell Physiology</i> , 2013, 305, C1091-C1095.	4.6	4
26	Single-Cell Single-Molecule Pull-Down (sc-SiMPull) for Detection of Protein Complexes from Embryonic Lysates. <i>Methods in Molecular Biology</i> , 2022, 2438, 59-81.	0.9	4
27	Improved CRISPR/Cas9 knock-in efficiency via the self-excising cassette (SEC) selection method in. <i>MicroPublication Biology</i> , 2021, 2021, .	0.1	3
28	Studying Epithelial Morphogenesis in <i>Dictyostelium</i> . <i>Methods in Molecular Biology</i> , 2015, 1189, 267-281.	0.9	1
29	Tissue Morphogenesis: A Cellular View of Adhesion-Dependent Cell Sorting. <i>Current Biology</i> , 2020, 30, R1071-R1073.	3.9	0