

Richard M Parton

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

452
citations

933264

10
h-index

1125617

13
g-index

23
all docs

23
docs citations

23
times ranked

651
citing authors

#	ARTICLE	IF	CITATIONS
1	A PAR-1-dependent orientation gradient of dynamic microtubules directs posterior cargo transport in the <i>Drosophila</i> oocyte. <i>Journal of Cell Biology</i> , 2011, 194, 121-135.	2.3	107
2	CryoSIM: super-resolution 3D structured illumination cryogenic fluorescence microscopy for correlated ultrastructural imaging. <i>Optica</i> , 2020, 7, 802.	4.8	57
3	IsoSense: frequency enhanced sensorless adaptive optics through structured illumination. <i>Optica</i> , 2019, 6, 370.	4.8	54
4	Localized Translation of <i>gurken</i> /TGF- β mRNA during Axis Specification Is Controlled by Access to Orb/CPEB on Processing Bodies. <i>Cell Reports</i> , 2016, 14, 2451-2462.	2.9	39
5	A single and rapid calcium wave at egg activation in <i>Drosophila</i> . <i>Biology Open</i> , 2015, 4, 553-560.	0.6	36
6	Absolute quantitation of individual SARS-CoV-2 RNA molecules provides a new paradigm for infection dynamics and variant differences. <i>ELife</i> , 2022, 11, .	2.8	33
7	Accessibility to Peptidoglycan Is Important for the Recognition of Gram-Positive Bacteria in <i>Drosophila</i> . <i>Cell Reports</i> , 2019, 27, 2480-2492.e6.	2.9	32
8	Subcellular mRNA localisation at a glance. <i>Journal of Cell Science</i> , 2014, 127, 2127-2133.	1.2	28
9	Super-Resolution Single Molecule FISH at the <i>Drosophila</i> Neuromuscular Junction. <i>Methods in Molecular Biology</i> , 2018, 1649, 163-175.	0.4	16
10	CytoCensus, mapping cell identity and division in tissues and organs using machine learning. <i>ELife</i> , 2020, 9, .	2.8	16
11	Democratising "Microscopy" a 3D printed automated XYZT fluorescence imaging system for teaching, outreach and fieldwork. <i>Wellcome Open Research</i> , 2021, 6, 63.	0.9	10
12	Democratising "Microscopy" a 3D printed automated XYZT fluorescence imaging system for teaching, outreach and fieldwork. <i>Wellcome Open Research</i> , 0, 6, 63.	0.9	5
13	Microscope-Cockpit: Python-based bespoke microscopy for bio-medical science. <i>Wellcome Open Research</i> , 0, 6, 76.	0.9	4
14	Microscope-Cockpit: Python-based bespoke microscopy for bio-medical science. <i>Wellcome Open Research</i> , 0, 6, 76.	0.9	2
15	Testing Models of mRNA Localization Reveals Robustness Regulated by Reducing Transport between Cells. <i>Biophysical Journal</i> , 2019, 117, 2154-2165.	0.2	1
16	How the Sea Squirt Nucleus Tells Mesoderm Not to Be Endoderm. <i>Developmental Cell</i> , 2010, 19, 487-488.	3.1	0