

Edward R Ballister

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,479
citations

567281

15
h-index

794594

19
g-index

22
all docs

22
docs citations

22
times ranked

2246
citing authors

#	ARTICLE	IF	CITATIONS
1	Using a bistable animal opsin for switchable and scalable optogenetic inhibition of neurons. <i>EMBO Reports</i> , 2021, 22, e51866.	4.5	20
2	<i>Mycobacterium tuberculosis</i> Rv2700 Contributes to Cell Envelope Integrity and Virulence. <i>Journal of Bacteriology</i> , 2019, 201, .	2.2	8
3	Extraocular, rod-like photoreceptors in a flatworm express xenopsin photopigment. <i>ELife</i> , 2019, 8, .	6.0	27
4	A live cell assay of GPCR coupling allows identification of optogenetic tools for controlling G α and G β signaling. <i>BMC Biology</i> , 2018, 16, 10.	3.8	33
5	Mps1 Regulates Kinetochores-Microtubule Attachment Stability via the Ska Complex to Ensure Error-Free Chromosome Segregation. <i>Developmental Cell</i> , 2017, 41, 143-156.e6.	7.0	73
6	Two mechanisms coordinate the recruitment of the chromosomal passenger complex to the plane of cell division. <i>Molecular Biology of the Cell</i> , 2017, 28, 3634-3646.	2.1	27
7	Optogenetic control of kinetochore function. <i>Nature Chemical Biology</i> , 2017, 13, 1096-1101.	8.0	71
8	Probing Mitosis by Manipulating the Interactions of Mitotic Regulator Proteins Using Rapamycin-Inducible Dimerization. <i>Methods in Molecular Biology</i> , 2016, 1413, 325-331.	0.9	1
9	Bistability of a coupled Aurora B kinase-phosphatase system in cell division. <i>ELife</i> , 2016, 5, e10644.	6.0	48
10	Optogenetic control of organelle transport using a photocaged chemical inducer of dimerization. <i>Current Biology</i> , 2015, 25, R407-R408.	3.9	75
11	Minimal model for collective kinetochore-microtubule dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 12699-12704.	7.1	28
12	Recruitment of Mad1 to metaphase kinetochores is sufficient to reactivate the mitotic checkpoint. <i>Journal of Cell Biology</i> , 2014, 204, 901-908.	5.2	59
13	Localized light-induced protein dimerization in living cells using a photocaged dimerizer. <i>Nature Communications</i> , 2014, 5, 5475.	12.8	154
14	Chromosomal Instability: Mad2 beyond the Spindle Checkpoint. <i>Current Biology</i> , 2012, 22, R233-R235.	3.9	2
15	Feedback Control in Sensing Chromosome Biorientation by the Aurora B Kinase. <i>Current Biology</i> , 2011, 21, 1158-1165.	3.9	114
16	Aurora B dynamics at centromeres create a diffusion-based phosphorylation gradient. <i>Journal of Cell Biology</i> , 2011, 194, 539-549.	5.2	116
17	Function and Structure of a Prokaryotic Formylglycine-generating Enzyme. <i>Journal of Biological Chemistry</i> , 2008, 283, 20117-20125.	3.4	97
18	<i>In vitro</i> self-assembly of tailorable nanotubes from a simple protein building block. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 3733-3738.	7.1	266

#	ARTICLE	IF	CITATIONS
19	Insights into IgA-mediated immune responses from the crystal structures of human FcÎ±RI and its complex with IgA1-Fc. Nature, 2003, 423, 614-620.	27.8	260