

Ivo A Telley

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

23
papers

1,315
citations

14
h-index

32
g-index

32
ext. papers

1,613
ext. citations

8.3
avg, IF

4.18
L-index

#	Paper	IF	Citations
23	A minimal midzone protein module controls formation and length of antiparallel microtubule overlaps. <i>Cell</i> , 2010 , 142, 420-32	56.2	228
22	CLIP-170 tracks growing microtubule ends by dynamically recognizing composite EB1/tubulin-binding sites. <i>Journal of Cell Biology</i> , 2008 , 183, 1223-33	7.3	214
21	Directional switching of the kinesin Cin8 through motor coupling. <i>Science</i> , 2011 , 332, 94-9	33.3	115
20	Obstacles on the microtubule reduce the processivity of Kinesin-1 in a minimal in vitro system and in cell extract. <i>Biophysical Journal</i> , 2009 , 96, 3341-53	2.9	93
19	Processive kinesins require loose mechanical coupling for efficient collective motility. <i>EMBO Reports</i> , 2008 , 9, 1121-7	6.5	90
18	Half-sarcomere dynamics in myofibrils during activation and relaxation studied by tracking fluorescent markers. <i>Biophysical Journal</i> , 2006 , 90, 514-30	2.9	89
17	Fluorescence microscopy assays on chemically functionalized surfaces for quantitative imaging of microtubule, motor, and +TIP dynamics. <i>Methods in Cell Biology</i> , 2010 , 95, 555-80	1.8	83
16	Dynamic behaviour of half-sarcomeres during and after stretch in activated rabbit psoas myofibrils: sarcomere asymmetry but no sarcomere popping. <i>Journal of Physiology</i> , 2006 , 573, 173-85	3.9	83
15	Effect of electrical stimulation-induced cycling on bone mineral density in spinal cord-injured patients. <i>European Journal of Clinical Investigation</i> , 2003 , 33, 412-9	4.6	75
14	<i>Drosophila</i> ensconsin promotes productive recruitment of Kinesin-1 to microtubules. <i>Developmental Cell</i> , 2008 , 15, 866-76	10.2	71
13	Aster migration determines the length scale of nuclear separation in the <i>Drosophila</i> syncytial embryo. <i>Journal of Cell Biology</i> , 2012 , 197, 887-95	7.3	54
12	Sarcomere dynamics during muscular contraction and their implications to muscle function. <i>Journal of Muscle Research and Cell Motility</i> , 2007 , 28, 89-104	3.5	37
11	A multisegmental cross-bridge kinetics model of the myofibril. <i>Journal of Theoretical Biology</i> , 2009 , 259, 714-26	2.3	24
10	Robust gap repair in the contractile ring ensures timely completion of cytokinesis. <i>Journal of Cell Biology</i> , 2016 , 215, 789-799	7.3	17
9	Reconstitution and quantification of dynamic microtubule end tracking in vitro using TIRF microscopy. <i>Methods in Molecular Biology</i> , 2011 , 777, 127-45	1.4	13
8	A single <i>Drosophila</i> embryo extract for the study of mitosis ex vivo. <i>Nature Protocols</i> , 2013 , 8, 310-24	18.8	9
7	Plk4 triggers autonomous de novo centriole biogenesis and maturation. <i>Journal of Cell Biology</i> , 2021 , 220,	7.3	5

6	A cell-free system of <i>Drosophila</i> egg explants supporting native mitotic cycles. <i>Methods in Cell Biology</i> , 2018 , 144, 233-257	1.8	4
5	Aster repulsion drives local ordering in an active system		2
4	Cytoskeletal mechanics and dynamics in the syncytial embryo. <i>Journal of Cell Science</i> , 2021 , 134,	5.3	2
3	Reply from I. A. Telley, R. Stehle, K. W. Ranatunga, G. Pfitzer, E. Stßsi and J. Denoth. <i>Journal of Physiology</i> , 2006 , 574, 629-630	3.9	1
2	Nuclear positioning during development: Pushing, pulling and flowing. <i>Seminars in Cell and Developmental Biology</i> , 2021 , 120, 10-10	7.5	1
1	Astral microtubule crosslinking safeguards uniform nuclear distribution in the <i>Drosophila</i> syncytium		1