

Ilya Grigoriev

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

4,220
citations

236925

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361022

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all docs

39
docs citations

39
times ranked

4747
citing authors

#	ARTICLE	IF	CITATIONS
1	CLASP1 and CLASP2 bind to EB1 and regulate microtubule plus-end dynamics at the cell cortex. <i>Journal of Cell Biology</i> , 2005, 168, 141-153.	5.2	409
2	STIM1 Is a MT-Plus-End-Tracking Protein Involved in Remodeling of the ER. <i>Current Biology</i> , 2008, 18, 177-182.	3.9	378
3	Mammalian end binding proteins control persistent microtubule growth. <i>Journal of Cell Biology</i> , 2009, 184, 691-706.	5.2	331
4	Rab6 Regulates Transport and Targeting of Exocytotic Carriers. <i>Developmental Cell</i> , 2007, 13, 305-314.	7.0	295
5	CLASPs Attach Microtubule Plus Ends to the Cell Cortex through a Complex with LL51 ² . <i>Developmental Cell</i> , 2006, 11, 21-32.	7.0	288
6	Microtubule Minus-End Stabilization by Polymerization-Driven CAMSAP Deposition. <i>Developmental Cell</i> , 2014, 28, 295-309.	7.0	235
7	BICD2, dynactin, and LIS1 cooperate in regulating dynein recruitment to cellular structures. <i>Molecular Biology of the Cell</i> , 2012, 23, 4226-4241.	2.1	231
8	A Proteome-wide Screen for Mammalian SxIP Motif-Containing Microtubule Plus-End Tracking Proteins. <i>Current Biology</i> , 2012, 22, 1800-1807.	3.9	192
9	Rab6, Rab8, and MICAL3 Cooperate in Controlling Docking and Fusion of Exocytotic Carriers. <i>Current Biology</i> , 2011, 21, 967-974.	3.9	167
10	CFEOM1-Associated Kinesin KIF21A Is a Cortical Microtubule Growth Inhibitor. <i>Developmental Cell</i> , 2013, 27, 145-160.	7.0	157
11	MAP2 Defines a Pre-axonal Filtering Zone to Regulate KIF1- versus KIF5-Dependent Cargo Transport in Sensory Neurons. <i>Neuron</i> , 2017, 94, 347-362.e7.	8.1	134
12	In Vitro Reconstitution of the Functional Interplay between MCAK and EB3 at Microtubule Plus Ends. <i>Current Biology</i> , 2010, 20, 1717-1722.	3.9	130
13	Actin-microtubule coordination at growing microtubule ends. <i>Nature Communications</i> , 2014, 5, 4778.	12.8	126
14	SLAIN2 links microtubule plus end-tracking proteins and controls microtubule growth in interphase. <i>Journal of Cell Biology</i> , 2011, 193, 1083-1099.	5.2	116
15	Molecular Pathway of Microtubule Organization at the Golgi Apparatus. <i>Developmental Cell</i> , 2016, 39, 44-60.	7.0	114
16	MAP7 family proteins regulate kinesin-1 recruitment and activation. <i>Journal of Cell Biology</i> , 2019, 218, 1298-1318.	5.2	114
17	Bicaudal D Family Adaptor Proteins Control the Velocity of Dynein-Based Movements. <i>Cell Reports</i> , 2014, 8, 1248-1256.	6.4	101
18	Termination of Protofilament Elongation by Eribulin Induces Lattice Defects that Promote Microtubule Catastrophes. <i>Current Biology</i> , 2016, 26, 1713-1721.	3.9	97

#	ARTICLE	IF	CITATIONS
19	Centriolar CPAP/SAS-4 Imparts Slow Processive Microtubule Growth. <i>Developmental Cell</i> , 2016, 37, 362-376.	7.0	90
20	EB1 and EB3 regulate microtubule minus end organization and Golgi morphology. <i>Journal of Cell Biology</i> , 2017, 216, 3179-3198.	5.2	76
21	Dissecting the Nanoscale Distributions and Functions of Microtubule-End-Binding Proteins EB1 and ch-TOC in Interphase HeLa Cells. <i>PLoS ONE</i> , 2012, 7, e51442.	2.5	57
22	Concerted action of kinesins KIF5B and KIF13B promotes efficient secretory vesicle transport to microtubule plus ends. <i>ELife</i> , 2020, 9, .	6.0	46
23	MKLP2 Is a Motile Kinesin that Transports the Chromosomal Passenger Complex during Anaphase. <i>Current Biology</i> , 2020, 30, 2628-2637.e9.	3.9	42
24	Two populations of cytoplasmic dynein contribute to spindle positioning in <i>C. elegans</i> embryos. <i>Journal of Cell Biology</i> , 2017, 216, 2777-2793.	5.2	39
25	Short Linear Sequence Motif LxxPTPh Targets Diverse Proteins to Growing Microtubule Ends. <i>Structure</i> , 2017, 25, 924-932.e4.	3.3	37
26	GAS2L1 Is a Centriole-Associated Protein Required for Centrosome Dynamics and Disjunction. <i>Developmental Cell</i> , 2017, 40, 81-94.	7.0	31
27	Mechanisms of Motor-Independent Membrane Remodeling Driven by Dynamic Microtubules. <i>Current Biology</i> , 2020, 30, 972-987.e12.	3.9	30
28	Structural basis for misregulation of kinesin KIF21A autoinhibition by CFEOM1 disease mutations. <i>Scientific Reports</i> , 2016, 6, 30668.	3.3	26
29	MICAL3 Flavoprotein Monooxygenase Forms a Complex with Centralspindlin and Regulates Cytokinesis. <i>Journal of Biological Chemistry</i> , 2016, 291, 20617-20629.	3.4	25
30	In Vitro Reconstitution of Dynamic Microtubules Interacting with Actin Filament Networks. <i>Methods in Enzymology</i> , 2014, 540, 301-320.	1.0	24
31	Deep-learning method for data association in particle tracking. <i>Bioinformatics</i> , 2020, 36, 4935-4941.	4.1	22
32	Microtubule Dynamics at the Cell Cortex Probed by TIRF Microscopy. <i>Methods in Cell Biology</i> , 2010, 97, 91-109.	1.1	17
33	Centrobin regulates centrosome function in interphase cells by limiting pericentriolar matrix recruitment. <i>Cell Cycle</i> , 2013, 12, 899-906.	2.6	15
34	F-actin asymmetry and the endoplasmic reticulum-associated TCC-1 protein contribute to stereotypic spindle movements in the <i>Caenorhabditis elegans</i> embryo. <i>Molecular Biology of the Cell</i> , 2013, 24, 2201-2215.	2.1	14
35	Automated Analysis of Intracellular Dynamic Processes. <i>Methods in Molecular Biology</i> , 2017, 1563, 209-228.	0.9	8