Ilya Grigoriev

List of Publications by Year
in descending order

35	4,220	236925 25	361022 35
papers	citations	h-index	g-index

39	39	39	4747
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Deep-learning method for data association in particle tracking. Bioinformatics, 2020, 36, 4935-4941.	4.1	22
2	MKLP2 Is a Motile Kinesin that Transports the Chromosomal Passenger Complex during Anaphase. Current Biology, 2020, 30, 2628-2637.e9.	3.9	42
3	Mechanisms of Motor-Independent Membrane Remodeling Driven by Dynamic Microtubules. Current Biology, 2020, 30, 972-987.e12.	3.9	30
4	Concerted action of kinesins KIF5B and KIF13B promotes efficient secretory vesicle transport to microtubule plus ends. ELife, 2020, 9, .	6.0	46
5	MAP7 family proteins regulate kinesin-1 recruitment and activation. Journal of Cell Biology, 2019, 218, 1298-1318.	5.2	114
6	Automated Analysis of Intracellular Dynamic Processes. Methods in Molecular Biology, 2017, 1563, 209-228.	0.9	8
7	MAP2 Defines a Pre-axonal Filtering Zone to Regulate KIF1- versus KIF5-Dependent Cargo Transport in Sensory Neurons. Neuron, 2017, 94, 347-362.e7.	8.1	134
8	Short Linear Sequence Motif LxxPTPh Targets Diverse Proteins to Growing Microtubule Ends. Structure, 2017, 25, 924-932.e4.	3.3	37
9	GAS2L1 Is a Centriole-Associated Protein Required for Centrosome Dynamics and Disjunction. Developmental Cell, 2017, 40, 81-94.	7.0	31
10	EB1 and EB3 regulate microtubule minus end organization and Golgi morphology. Journal of Cell Biology, 2017, 216, 3179-3198.	5.2	76
11	Two populations of cytoplasmic dynein contribute to spindle positioning in C. elegans embryos. Journal of Cell Biology, 2017, 216, 2777-2793.	5.2	39
12	Molecular Pathway of Microtubule Organization at the Golgi Apparatus. Developmental Cell, 2016, 39, 44-60.	7.0	114
13	MICAL3 Flavoprotein Monooxygenase Forms a Complex with Centralspindlin and Regulates Cytokinesis. Journal of Biological Chemistry, 2016, 291, 20617-20629.	3.4	25
14	Structural basis for misregulation of kinesin KIF21A autoinhibition by CFEOM1 disease mutations. Scientific Reports, 2016, 6, 30668.	3.3	26
15	Centriolar CPAP/SAS-4 Imparts Slow Processive Microtubule Growth. Developmental Cell, 2016, 37, 362-376.	7.0	90
16	Termination of Protofilament Elongation by Eribulin Induces Lattice Defects that Promote Microtubule Catastrophes. Current Biology, 2016, 26, 1713-1721.	3.9	97
17	Bicaudal D Family Adaptor Proteins Control the Velocity of Dynein-Based Movements. Cell Reports, 2014, 8, 1248-1256.	6.4	101
18	Actinâ€“microtubule coordination at growing microtubule ends. Nature Communications, 2014, 5, 4778.	12.8	126

#	Article	IF	Citations
19	In Vitro Reconstitution of Dynamic Microtubules Interacting with Actin Filament Networks. Methods in Enzymology, 2014, 540, 301-320.	1.0	24
20	Microtubule Minus-End Stabilization by Polymerization-Driven CAMSAP Deposition. Developmental Cell, 2014, 28, 295-309.	7.0	235
21	CFEOM1-Associated Kinesin KIF21A Is a Cortical Microtubule Growth Inhibitor. Developmental Cell, 2013, 27, 145-160.	7.0	157
22	Centrobin regulates centrosome function in interphase cells by limiting pericentriolar matrix recruitment. Cell Cycle, 2013, 12, 899-906.	2.6	15
23	F-actin asymmetry and the endoplasmic reticulumâ€“associated TCC-1 protein contribute to stereotypic spindle movements in theCaenorhabditis elegansembryo. Molecular Biology of the Cell, 2013, 24, 2201-2215.	2.1	14
24	BICD2, dynactin, and LIS1 cooperate in regulating dynein recruitment to cellular structures. Molecular Biology of the Cell, 2012, 23, 4226-4241.	2.1	231
25	A Proteome-wide Screen for Mammalian SxIP Motif-Containing Microtubule Plus-End Tracking Proteins. Current Biology, 2012, 22, 1800-1807.	3.9	192
26	Dissecting the Nanoscale Distributions and Functions of Microtubule-End-Binding Proteins EB1 and ch-TOG in Interphase HeLa Cells. PLoS ONE, 2012, 7, e51442.	2.5	57
27	Rab6, Rab8, and MICAL3 Cooperate in Controlling Docking and Fusion of Exocytotic Carriers. Current Biology, 2011, 21, 967-974.	3.9	167
28	SLAIN2 links microtubule plus endâ€“tracking proteins and controls microtubule growth in interphase. Journal of Cell Biology, 2011, 193, 1083-1099.	5.2	116
29	In Vitro Reconstitution of the Functional Interplay between MCAK and EB3 at Microtubule Plus Ends. Current Biology, 2010, 20, 1717-1722.	3.9	130
30	Microtubule Dynamics at the Cell Cortex Probed by TIRF Microscopy. Methods in Cell Biology, 2010, 97, 91-109.	1.1	17
31	Mammalian end binding proteins control persistent microtubule growth. Journal of Cell Biology, 2009, 184, 691-706.	5.2	331
32	STIM1 Is a MT-Plus-End-Tracking Protein Involved in Remodeling of the ER. Current Biology, 2008, 18, 177-182.	3.9	378
33	Rab6 Regulates Transport and Targeting of Exocytotic Carriers. Developmental Cell, 2007, 13, 305-314.	7.0	295
34	CLASPs Attach Microtubule Plus Ends to the Cell Cortex through a Complex with LL5Î². Developmental Cell, 2006, 11, 21-32.	7.0	288
35	CLASP1 and CLASP2 bind to EB1 and regulate microtubule plus-end dynamics at the cell cortex. Journal of Cell Biology, 2005, 168, 141-153.	5.2	409