

Jadranka Loncarek

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

3,557
citations

186265

28
h-index

182427

51
g-index

53
all docs

53
docs citations

53
times ranked

4293
citing authors

#	ARTICLE	IF	CITATIONS
1	Asymmetric CLASP-Dependent Nucleation of Noncentrosomal Microtubules at the trans-Golgi Network. <i>Developmental Cell</i> , 2007, 12, 917-930.	7.0	481
2	The Spatial Arrangement of Chromosomes during Prometaphase Facilitates Spindle Assembly. <i>Cell</i> , 2011, 146, 555-567.	28.9	279
3	Overly Long Centrioles and Defective Cell Division upon Excess of the SAS-4-Related Protein CPAP. <i>Current Biology</i> , 2009, 19, 1012-1018.	3.9	228
4	Hierarchical recruitment of Plk4 and regulation of centriole biogenesis by two centrosomal scaffolds, Cep192 and Cep152. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E4849-57.	7.1	190
5	Control of daughter centriole formation by the pericentriolar material. <i>Nature Cell Biology</i> , 2008, 10, 322-328.	10.3	189
6	Cell cycle progression and de novo centriole assembly after centrosomal removal in untransformed human cells. <i>Journal of Cell Biology</i> , 2007, 176, 173-182.	5.2	149
7	Extra centrosomes and/or chromosomes prolong mitosis in human cells. <i>Nature Cell Biology</i> , 2008, 10, 748-751.	10.3	129
8	Cyanine Conformational Restraint in the Far-Red Range. <i>Journal of the American Chemical Society</i> , 2017, 139, 12406-12409.	13.7	125
9	Centriole Reduplication during Prolonged Interphase Requires Procentriole Maturation Governed by Plk1. <i>Current Biology</i> , 2010, 20, 1277-1282.	3.9	123
10	High-resolution characterization of centriole distal appendage morphology and dynamics by correlative STORM and electron microscopy. <i>Nature Communications</i> , 2019, 10, 993.	12.8	104
11	A novel atypical sperm centriole is functional during human fertilization. <i>Nature Communications</i> , 2018, 9, 2210.	12.8	103
12	Catalytically inactive human cathepsin D triggers fibroblast invasive growth. <i>Journal of Cell Biology</i> , 2005, 168, 489-499.	5.2	101
13	Centriole maturation requires regulated Plk1 activity during two consecutive cell cycles. <i>Journal of Cell Biology</i> , 2014, 206, 855-865.	5.2	85
14	Building the right centriole for each cell type. <i>Journal of Cell Biology</i> , 2018, 217, 823-835.	5.2	84
15	The centromere geometry essential for keeping mitosis error free is controlled by spindle forces. <i>Nature</i> , 2007, 450, 745-749.	27.8	82
16	Relative contributions of chromatin and kinetochores to mitotic spindle assembly. <i>Journal of Cell Biology</i> , 2009, 187, 43-51.	5.2	81
17	Ab ovo or de novo? Mechanisms of Centriole Duplication. <i>Molecules and Cells</i> , 2009, 27, 135-142.	2.6	79
18	The spindle assembly checkpoint is satisfied in the absence of interkinetochore tension during mitosis with unreplicated genomes. <i>Journal of Cell Biology</i> , 2008, 183, 29-36.	5.2	68

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19	Concerted effort of centrosomal and Golgi-derived microtubules is required for proper Golgi complex assembly but not for maintenance. <i>Molecular Biology of the Cell</i> , 2012, 23, 820-833.	2.1	68
20	Plk1 relieves centriole block to reduplication by promoting daughter centriole maturation. <i>Nature Communications</i> , 2015, 6, 8077.	12.8	65
21	Regulation of cilia abundance in multiciliated cells. <i>ELife</i> , 2019, 8, .	6.0	56
22	Centriole Remodeling during Spermiogenesis in <i>Drosophila</i> . <i>Current Biology</i> , 2016, 26, 3183-3189.	3.9	55
23	CLPTM1L Promotes Growth and Enhances Aneuploidy in Pancreatic Cancer Cells. <i>Cancer Research</i> , 2014, 74, 2785-2795.	0.9	48
24	Expansion microscopy for the analysis of centrioles and cilia. <i>Journal of Microscopy</i> , 2019, 276, 145-159.	1.8	42
25	Human centrosome organization and function in interphase and mitosis. <i>Seminars in Cell and Developmental Biology</i> , 2021, 117, 30-41.	5.0	42
26	PLK4 is a microtubule-associated protein that self assembles promoting <i>de novo</i> MTOC formation. <i>Journal of Cell Science</i> , 2018, 132, .	2.0	40
27	Centriole triplet microtubules are required for stable centriole formation and inheritance in human cells. <i>ELife</i> , 2017, 6, .	6.0	39
28	A protein quality control pathway at the mitochondrial outer membrane. <i>ELife</i> , 2020, 9, .	6.0	38
29	Laser Microsurgery in the GFP Era: A Cell Biologist's Perspective. <i>Methods in Cell Biology</i> , 2007, 82, 237-266.	1.1	35
30	ANKRD26 recruits PIDD1 to centriolar distal appendages to activate the PIDDosome following centrosome amplification. <i>EMBO Journal</i> , 2021, 40, e105106.	7.8	35
31	Prolonged mitosis results in structurally aberrant and over-elongated centrioles. <i>Journal of Cell Biology</i> , 2020, 219, .	5.2	34
32	With Age Comes Maturity: Biochemical and Structural Transformation of a Human Centriole in the Making. <i>Cells</i> , 2020, 9, 1429.	4.1	30
33	Nodal signaling from the visceral endoderm is required to maintain Nodal gene expression in the epiblast and drive DVE/AVE migration. <i>Developmental Biology</i> , 2015, 400, 1-9.	2.0	27
34	The expression of the tumor suppressor gene connexin 26 is not mediated by methylation in human esophageal cancer cells. <i>Molecular Carcinogenesis</i> , 2003, 36, 74-81.	2.7	24
35	Comparative proteomics of a model MCF10A-KRasG12V cell line reveals a distinct molecular signature of the KRasG12V cell surface. <i>Oncotarget</i> , 2016, 7, 86948-86971.	1.8	23
36	Loss of function of mouse Pax6-Interacting Protein 1-associated glutamate rich protein 1a (Pagr1a) leads to reduced Bmp2 expression and defects in chorion and amnion development. <i>Developmental Dynamics</i> , 2014, 243, 937-947.	1.8	19

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37	Is the junctional uncoupling elicited in rat ventricular myocytes by some dephosphorylation treatments due to changes in the phosphorylation status of Cx43?. <i>European Biophysics Journal</i> , 2004, 33, 201-10.	2.2	17
38	MDM1 is a microtubule-binding protein that negatively regulates centriole duplication. <i>Molecular Biology of the Cell</i> , 2015, 26, 3788-3802.	2.1	17
39	Separation and Loss of Centrioles From Primordial Germ Cells To Mature Oocytes In The Mouse. <i>Scientific Reports</i> , 2018, 8, 12791.	3.3	17
40	Centriole biogenesis: a tale of two pathways. <i>Nature Cell Biology</i> , 2007, 9, 736-738.	10.3	16
41	Correlative light and electron microscopy analysis of the centrosome. <i>Methods in Cell Biology</i> , 2015, 129, 1-18.	1.1	14
42	Predictive focus illumination for reducing photodamage in live cell microscopy. <i>Journal of Microscopy</i> , 2012, 246, 160-167.	1.8	11
43	BRCA2 minor transcript lacking exons 4-7 supports viability in mice and may account for survival of humans with a pathogenic biallelic mutation. <i>Human Molecular Genetics</i> , 2016, 25, 1934-1945.	2.9	11
44	Analyzing Centrioles and Cilia by Expansion Microscopy. <i>Methods in Molecular Biology</i> , 2021, 2329, 249-263.	0.9	10
45	Altered cell-cell adhesion in cisplatin-resistant human carcinoma cells: A link between β -catenin/plakoglobin ratio and cisplatin resistance. <i>European Journal of Pharmacology</i> , 2007, 558, 27-36.	3.5	7
46	TRIM37 prevents formation of condensate-organized ectopic spindle poles to ensure mitotic fidelity. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	7
47	Direct molecular dissection of tumor parenchyma from tumor stroma in tumor xenograft using mass spectrometry-based glycoproteomics. <i>Oncotarget</i> , 2018, 9, 26431-26452.	1.8	7
48	CPAP insufficiency leads to incomplete centrioles that duplicate but fragment. <i>Journal of Cell Biology</i> , 2022, 221, .	5.2	7
49	Single-Cell Analysis Reveals that Chronic Silver Nanoparticle Exposure Induces Cell Division Defects in Human Epithelial Cells. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2061.	2.6	6
50	Influence of p53 Status on the HSV-Tk/GCV-Induced Bystander Effect in a Panel of Human Ovarian Carcinoma Cell Lines. <i>Oncology Research</i> , 2005, 15, 151-159.	1.5	3