Izabela Sumara

List of Publications by Year
in descending order

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35 papers	3,447 citations	304743 22 h-index	377865 34 g-index
36 all docs	36 docs citations	36 times ranked	5502 citing authors

#	Article	IF	Citations
1	The Dissociation of Cohesin from Chromosomes in Prophase Is Regulated by Polo-like Kinase. Molecular Cell, 2002, 9, 515-525.	9.7	410
2	Characterization of Vertebrate Cohesin Complexes and Their Regulation in Prophase. Journal of Cell Biology, 2000, 151, 749-762.	5.2	386
3	Roles of Polo-like Kinase 1 in the Assembly of Functional Mitotic Spindles. Current Biology, 2004, 14, 1712-1722.	3.9	312
4	Requirement of JNK2 for Scavenger Receptor A-Mediated Foam Cell Formation in Atherogenesis. Science, 2004, 306, 1558-1561.	12.6	259
5	The emerging family of CULLIN3-RING ubiquitin ligases (CRL3s): cellular functions and disease implications. EMBO Journal, 2013, 32, 2307-2320.	7.8	222
6	Regulation of PKD by the MAPK p38Î´ in Insulin Secretion and Glucose Homeostasis. Cell, 2009, 136, 235-248.	28.9	215
7	c-Jun/AP-1 controls liver regeneration by repressing p53/p21 and p38 MAPK activity. Genes and Development, 2006, 20, 2306-2314.	5.9	204
8	Regulation of Sister Chromatid Cohesion between Chromosome Arms. Current Biology, 2004, 14, 1187-1193.	3.9	199
9	A Cul3-Based E3 Ligase Removes Aurora B from Mitotic Chromosomes, Regulating Mitotic Progression and Completion of Cytokinesis in Human Cells. Developmental Cell, 2007, 12, 887-900.	7.0	191
10	Insulin secretory granules control autophagy in pancreatic Î² cells. Science, 2015, 347, 878-882.	12.6	127
11	The Cul3â€“KLHL21 E3 ubiquitin ligase targets Aurora B to midzone microtubules in anaphase and is required for cytokinesis. Journal of Cell Biology, 2009, 187, 791-800.	5.2	119
12	Mutations in the HECT domain of NEDD4L lead to AKTâ€“mTOR pathway deregulation and cause periventricular nodular heterotopia. Nature Genetics, 2016, 48, 1349-1358.	21.4	101
13	Ubiquitylation-dependent localization of PLK1 in mitosis. Nature Cell Biology, 2013, 15, 430-439.	10.3	91
14	An interaction network of the mammalian COP9 signalosome identifies Dda1 as a core subunit of multiple Cul4-based E3 ligases. Journal of Cell Science, 2009, 122, 1035-1044.	2.0	74
15	Molecular dynamics of PLK1 during mitosis. Molecular and Cellular Oncology, 2014, 1, e954507.	0.7	72
16	The human Dcn1-like protein DCNL3 promotes Cul3 neddylation at membranes. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 12365-12370.	7.1	71
17	E3 ubiquitin ligases and mitosis: embracing the complexity. Trends in Cell Biology, 2008, 18, 84-94.	7.9	46
18	Distinct functions of junD in cardiac hypertrophy and heart failure. Genes and Development, 2005, 19, 208-213.	5.9	44

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19	Ubiquitin Receptor Protein UBASH3B Drives Aurora B Recruitment to Mitotic Microtubules. Developmental Cell, 2016, 36, 63-78.	7.0	38
20	The MTM1â€“UBQLN2â€“HSP complex mediates degradation of misfolded intermediate filaments in skeletal muscle. Nature Cell Biology, 2018, 20, 198-210.	10.3	37
21	Cortical dynamics during cell motility are regulated by CRL3KLHL21 E3 ubiquitin ligase. Nature Communications, 2016, 7, 12810.	12.8	31
22	CUL3 and protein kinases: Insights from PLK1/KLHL22 interaction. Cell Cycle, 2013, 12, 2291-2296.	2.6	27
23	Cullin 3, a cellular scripter of the non-proteolytic ubiquitin code. Seminars in Cell and Developmental Biology, 2019, 93, 100-110.	5.0	24
24	Non-proteolytic ubiquitylation in cellular signaling and human disease. Communications Biology, 2022, 5, 114.	4.4	23
25	The Multifaceted Regulation of Mitochondrial Dynamics During Mitosis. Frontiers in Cell and Developmental Biology, 2021, 9, 767221.	3.7	22
26	Spatial control of nucleoporin condensation by fragile Xâ€•related proteins. EMBO Journal, 2020, 39, e104467.	7.8	21
27	A Cul3-Based E3 Ligase Regulates Mitosis and is Required to Maintain the Spindle Assembly Checkpoint in Human Cells. Cell Cycle, 2007, 6, 3004-3010.	2.6	20
28	Decoding Ubiquitin for Mitosis. Genes and Cancer, 2012, 3, 697-711.	1.9	19
29	A PKD-MFF signaling axis couples mitochondrial fission to mitotic progression. Cell Reports, 2021, 35, 109129.	6.4	15
30	Finding the midzone: the role of ubiquitination for CPC localization during anaphase. Cell Cycle, 2010, 9, 2921-2922.	2.6	9
31	UBASH3B-mediated silencing of the mitotic checkpoint: Therapeutic perspectives in cancer. Molecular and Cellular Oncology, 2018, 5, e1271494.	0.7	8
32	Deubiquitylase UCHL3 regulates biâ€•orientation and segregation of chromosomes during mitosis. FASEB Journal, 2020, 34, 12751-12767.	0.5	5
33	Fragile Xâ€“Related Protein 1 Regulates Nucleoporin Localization in a Cell Cycleâ€“Dependent Manner. Frontiers in Cell and Developmental Biology, 2021, 9, 755847.	3.7	4
34	The NANOTUMOR consortium â€“ Towards the Tumor Cell Atlas. Biology of the Cell, 2021, 113, 272-280.	2.0	1
35	Feeding nuclear pores with condensed ME-AL-S. Nature Reviews Molecular Cell Biology, 2021, 22, 651-651.	37.0	0