

# Lionel Lp Pintard

## List of Publications by Year in descending order

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52  
papers

3,009  
citations

218677

26  
h-index

189892

50  
g-index

63  
all docs

63  
docs citations

63  
times ranked

3766  
citing authors

#	ARTICLE	IF	CITATIONS
1	The BTB protein MEL-26 is a substrate-specific adaptor of the CUL-3 ubiquitin-ligase. <i>Nature</i> , 2003, 425, 311-316.	27.8	378
2	Cullin-based ubiquitin ligases: Cul3-BTB complexes join the family. <i>EMBO Journal</i> , 2004, 23, 1681-1687.	7.8	350
3	Cytoskeletal Regulation by the Nedd8 Ubiquitin-Like Protein Modification Pathway. <i>Science</i> , 2002, 295, 1294-1298.	12.6	180
4	Regulation of cullin-RING E3 ubiquitin-ligases by neddylation and dimerization. <i>Cellular and Molecular Life Sciences</i> , 2009, 66, 1924-1938.	5.4	159
5	Neddylation and Deneddylation of CUL-3 Is Required to Target MEI-1/Katanin for Degradation at the Meiosis-to-Mitosis Transition in <i>C. elegans</i> . <i>Current Biology</i> , 2003, 13, 911-921.	3.9	157
6	Trm7p catalyses the formation of two 2'-O-methylriboses in yeast tRNA anticodon loop. <i>EMBO Journal</i> , 2002, 21, 1811-1820.	7.8	154
7	A Single-Cell Biochemistry Approach Reveals PAR Complex Dynamics during Cell Polarization. <i>Developmental Cell</i> , 2017, 42, 416-434.e11.	7.0	139
8	Molecular Cloning of a New Interferon-induced PML Nuclear Body-associated Protein. <i>Journal of Biological Chemistry</i> , 1997, 272, 19457-19463.	3.4	124
9	Insights into the regulation of the human COP9 signalosome catalytic subunit, CSN5/Jab1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 1273-1278.	7.1	115
10	The Cullin Rtt101p Promotes Replication Fork Progression through Damaged DNA and Natural Pause Sites. <i>Current Biology</i> , 2006, 16, 786-792.	3.9	89
11	Cyclin A-cdk1-Dependent Phosphorylation of Bora Is the Triggering Factor Promoting Mitotic Entry. <i>Developmental Cell</i> , 2018, 45, 637-650.e7.	7.0	79
12	Channel Nucleoporins Recruit PLK-1 to Nuclear Pore Complexes to Direct Nuclear Envelope Breakdown in <i>C. elegans</i> . <i>Developmental Cell</i> , 2017, 43, 157-171.e7.	7.0	75
13	An interaction network of the mammalian COP9 signalosome identifies Dda1 as a core subunit of multiple Cul4-based E3 ligases. <i>Journal of Cell Science</i> , 2009, 122, 1035-1044.	2.0	74
14	MRM2 encodes a novel yeast mitochondrial 21S rRNA methyltransferase. <i>EMBO Journal</i> , 2002, 21, 1139-1147.	7.8	73
15	Mitotic Cell Division in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2019, 211, 35-73.	2.9	63
16	Spb1p Is a Yeast Nucleolar Protein Associated with Nop1p and Nop58p That Is Able To Bind S-Adenosyl-Methionine In Vitro. <i>Molecular and Cellular Biology</i> , 2000, 20, 1370-1381.	2.3	58
17	Functional Redundancy of Spb1p and a snR52-Dependent Mechanism for the 2-O-Ribose Methylation of a Conserved rRNA Position in Yeast. <i>Molecular Cell</i> , 2003, 12, 1309-1315.	9.7	50
18	Cdk1 phosphorylates SPAT-1/Bora to trigger PLK-1 activation and drive mitotic entry in <i>C. elegans</i> embryos. <i>Journal of Cell Biology</i> , 2015, 208, 661-669.	5.2	50

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19	CIF-1, a Shared Subunit of the COP9/Signalosome and Eukaryotic Initiation Factor 3 Complexes, Regulates MEL-26 Levels in the <i>Caenorhabditis elegans</i> Embryo. <i>Molecular and Cellular Biology</i> , 2007, 27, 4526-4540.	2.3	48
20	Cdk1 Phosphorylates SPAT-1/Bora to Promote Plk1 Activation in <i>C. elegans</i> and Human Cells. <i>Cell Reports</i> , 2016, 15, 510-518.	6.4	45
21	Coordinating cell polarity and cell cycle progression: what can we learn from flies and worms?. <i>Open Biology</i> , 2013, 3, 130083.	3.6	44
22	CRL2LRR-1 E3-Ligase Regulates Proliferation and Progression through Meiosis in the <i>Caenorhabditis elegans</i> Germline. <i>PLoS Genetics</i> , 2013, 9, e1003375.	3.5	35
23	The AAA-ATPase FIGL-1 controls mitotic progression, and its levels are regulated by the CUL-3MEL-26 E3 ligase in the <i>C. elegans</i> germ line. <i>Journal of Cell Science</i> , 2007, 120, 3179-3187.	2.0	32
24	A unified view of spatio-temporal control of mitotic entry: Polo kinase as the key. <i>Open Biology</i> , 2018, 8, .	3.6	32
25	The Role of Protein Phosphatase 4 in Regulating Microtubule Severing in the <i>Caenorhabditis elegans</i> Embryo. <i>Genetics</i> , 2009, 181, 933-943.	2.9	31
26	The CRL2LRR-1 ubiquitin ligase regulates cell cycle progression during <i>C. elegans</i> development. <i>Development (Cambridge)</i> , 2010, 137, 3857-3866.	2.5	31
27	Mitotic entry: The interplay between Cdk1, Plk1 and Bora. <i>Cell Cycle</i> , 2016, 15, 3177-3182.	2.6	29
28	mRNA Decay Is Rapidly Induced after Spore Germination of <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2002, 277, 40505-40512.	3.4	28
29	Control of the oocyte-to-embryo transition by the ubiquitin-proteolytic system in mouse and <i>C. elegans</i> . <i>Current Opinion in Cell Biology</i> , 2010, 22, 758-763.	5.4	28
30	The BTB Protein MEL-26 Promotes Cytokinesis in <i>C. elegans</i> by a CUL-3-Independent Mechanism. <i>Current Biology</i> , 2005, 15, 1605-1615.	3.9	27
31	PAR-4/LKB1 regulates DNA replication during asynchronous division of the early <i>C. elegans</i> embryo. <i>Journal of Cell Biology</i> , 2014, 205, 447-455.	5.2	26
32	Microtubule-severing activity of AAA-ATPase Katanin is essential for female meiotic spindle assembly. <i>Development (Cambridge)</i> , 2016, 143, 3604-3614.	2.5	23
33	Microtubule severing by the katanin complex is activated by PPFR-1-dependent MEI-1 dephosphorylation. <i>Journal of Cell Biology</i> , 2013, 202, 431-439.	5.2	20
34	PLK-1 promotes the merger of the parental genome into a single nucleus by triggering lamina disassembly. <i>ELife</i> , 2020, 9, .	6.0	20
35	Aurora A kinase activation: Different means to different ends. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	19
36	Bora phosphorylation substitutes in trans for T-loop phosphorylation in Aurora A to promote mitotic entry. <i>Nature Communications</i> , 2021, 12, 1899.	12.8	18

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37	In the land of the rising sun with the COP9 signalosome and related Zomes. <i>EMBO Reports</i> , 2009, 10, 343-348.	4.5	17
38	Cullin 3 Exon 9 Deletion in Familial Hyperkalemic Hypertension Impairs Cullin3-Ring-E3 Ligase (CRL3) Dynamic Regulation and Cycling. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5151.	4.1	14
39	RNAi-Based Suppressor Screens Reveal Genetic Interactions Between the CRL2LRR-1 E3-Ligase and the DNA Replication Machinery in <i>Caenorhabditis elegans</i> . <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 3431-3442.	1.8	11
40	Cell cycle timing regulation during asynchronous divisions of the early <i>C. elegans</i> embryo. <i>Experimental Cell Research</i> , 2015, 337, 243-248.	2.6	10
41	Phosphorylation of the microtubule-severing AAA+ enzyme Katanin regulates <i>C. elegans</i> embryo development. <i>Journal of Cell Biology</i> , 2020, 219, .	5.2	10
42	Cdk1 plays matchmaker for the Polo-like kinase and its activator SPAT-1/Bora. <i>Cell Cycle</i> , 2015, 14, 2394-2398.	2.6	8
43	PRP-19, a conserved pre-mRNA processing factor and E3 ubiquitin ligase, inhibits the nuclear accumulation of GLP-1/Notch intracellular domain. <i>Biology Open</i> , 2018, 7, .	1.2	8
44	Cdc34: cycling on and off the SCF. <i>Nature Cell Biology</i> , 2003, 5, 856-857.	10.3	7
45	Cortical microtubule pulling forces contribute to the union of the parental genomes in the <i>Caenorhabditis elegans</i> zygote. <i>ELife</i> , 2022, 11, .	6.0	6
46	BORA-dependent PLK1 regulation: A new weapon for cancer therapy?. <i>Molecular and Cellular Oncology</i> , 2016, 3, e1199265.	0.7	5
47	A survey of the kinome pharmacopeia reveals multiple scaffolds and targets for the development of novel anthelmintics. <i>Scientific Reports</i> , 2021, 11, 9161.	3.3	5
48	Mitotic Exit. <i>Molecular Cell</i> , 2001, 8, 1155-1156.	9.7	2
49	Role of the CRL2LRR-1E3 ubiquitin-ligase in the development of the germline in <i>C. elegans</i> . <i>Worm</i> , 2013, 2, e25716.	1.0	2
50	Cullin-based ubiquitin ligases: Cul3-BTB complexes join the family. <i>EMBO Journal</i> , 2005, 24, 1092-1092.	7.8	1
51	The CRL2LRR-1 ubiquitin ligase regulates cell cycle progression during <i>C. elegans</i> development.. <i>Journal of Cell Science</i> , 2010, 123, e1-e1.	2.0	0
52	Microtubule-severing activity of AAA+ ATPase Katanin is essential for female meiotic spindle assembly. <i>Journal of Cell Science</i> , 2016, 129, e1.2-e1.2.	2.0	0