

# Thierry Lorca

## List of Publications by Year in descending order

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55  
papers

5,356  
citations

109321

35  
h-index

155660

55  
g-index

60  
all docs

60  
docs citations

60  
times ranked

7001  
citing authors

#	ARTICLE	IF	CITATIONS
1	Partial inhibition of Cdk1 in G <sub>2</sub> phase overrides the SAC and decouples mitotic events. <i>Cell Cycle</i> , 2014, 13, 1400-1412.	2.6	773
2	Loss of human Greatwall results in G2 arrest and multiple mitotic defects due to deregulation of the cyclin B-Cdc2/PP2A balance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 12564-12569.	7.1	652
3	Calmodulin-dependent protein kinase II mediates inactivation of MPF and CSF upon fertilization of <i>Xenopus</i> eggs. <i>Nature</i> , 1993, 366, 270-273.	27.8	447
4	The Substrate of Greatwall Kinase, Arpp19, Controls Mitosis by Inhibiting Protein Phosphatase 2A. <i>Science</i> , 2010, 330, 1673-1677.	12.6	377
5	Mps1 Is a Kinetochore-Associated Kinase Essential for the Vertebrate Mitotic Checkpoint. <i>Cell</i> , 2001, 106, 83-93.	28.9	303
6	The anaphase-promoting complex: a key factor in the regulation of cell cycle. <i>Oncogene</i> , 2005, 24, 314-325.	5.9	235
7	Greatwall maintains mitosis through regulation of PP2A. <i>EMBO Journal</i> , 2009, 28, 2786-2793.	7.8	195
8	Kinetochore Localization of Spindle Checkpoint Proteins: Who Controls Whom?. <i>Molecular Biology of the Cell</i> , 2004, 15, 4584-4596.	2.1	181
9	APC/Fizzy-Related targets AuroraA kinase for proteolysis. <i>EMBO Reports</i> , 2002, 3, 457-462.	4.5	144
10	The APC is dispensable for first meiotic anaphase in <i>Xenopus</i> oocytes. <i>Nature Cell Biology</i> , 2001, 3, 83-87.	10.3	128
11	Alterations of anaphase-promoting complex genes in human colon cancer cells. <i>Oncogene</i> , 2003, 22, 1486-1490.	5.9	98
12	Greatwall is essential to prevent mitotic collapse after nuclear envelope breakdown in mammals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 17374-17379.	7.1	98
13	Interaction between Cyclin T1 and SCF SKP2 Targets CDK9 for Ubiquitination and Degradation by the Proteasome. <i>Molecular and Cellular Biology</i> , 2001, 21, 7956-7970.	2.3	91
14	The D-Box-activating domain (DAD) is a new proteolysis signal that stimulates the silent D-Box sequence of AuroraA. <i>EMBO Reports</i> , 2002, 3, 1209-1214.	4.5	79
15	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
16	Constant regulation of both the MPF amplification loop and the Greatwall-PP2A pathway is required for metaphase II arrest and correct entry into the first embryonic cell cycle. <i>Journal of Cell Science</i> , 2010, 123, 2281-2291.	2.0	76
17	Characterization of the Mechanisms Controlling Greatwall Activity. <i>Molecular and Cellular Biology</i> , 2011, 31, 2262-2275.	2.3	70
18	Xkid Is Degraded in a D-Box, KEN-Box, and A-Box-Independent Pathway. <i>Molecular and Cellular Biology</i> , 2003, 23, 4126-4138.	2.3	69

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19	CDK1 Prevents Unscheduled PLK4-STIL Complex Assembly in Centriole Biogenesis. <i>Current Biology</i> , 2016, 26, 1127-1137.	3.9	68
20	Cyclin B/cdc2 Induces c-Mos Stability by Direct Phosphorylation in <i>Xenopus</i> Oocytes. <i>Molecular Biology of the Cell</i> , 2001, 12, 2660-2671.	2.1	66
21	Quantitative Live Imaging of Endogenous DNA Replication in Mammalian Cells. <i>PLoS ONE</i> , 2012, 7, e45726.	2.5	66
22	Global Phosphoproteomic Mapping of Early Mitotic Exit in Human Cells Identifies Novel Substrate Dephosphorylation Motifs. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 2194-2212.	3.8	63
23	Greatwall dephosphorylation and inactivation upon mitotic exit is triggered by PP1. <i>Journal of Cell Science</i> , 2016, 129, 1329-39.	2.0	56
24	Cdc2-Cyclin B Triggers H3 Kinase Activation of Aurora-A in <i>Xenopus</i> Oocytes. <i>Journal of Biological Chemistry</i> , 2003, 278, 21439-21449.	3.4	55
25	The Greatwall kinase: a new pathway in the control of the cell cycle. <i>Oncogene</i> , 2013, 32, 537-543.	5.9	55
26	Budding Yeast Greatwall and Endosulfines Control Activity and Spatial Regulation of PP2A <sup>Cdc55</sup> for Timely Mitotic Progression. <i>PLoS Genetics</i> , 2013, 9, e1003575.	3.5	53
27	Ca <sup>2+</sup> is involved through type II calmodulin-dependent protein kinase in cyclin degradation and exit from metaphase. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1994, 1223, 325-332.	4.1	52
28	CDK-Dependent Potentiation of MPS1 Kinase Activity Is Essential to the Mitotic Checkpoint. <i>Current Biology</i> , 2012, 22, 289-295.	3.9	52
29	Ensa controls S-phase length by modulating Treslin levels. <i>Nature Communications</i> , 2017, 8, 206.	12.8	48
30	Meiotic regulation of the CDK activator RINGO/Speedy by ubiquitin-proteasome-mediated processing and degradation. <i>Nature Cell Biology</i> , 2006, 8, 1084-1094.	10.3	46
31	Involvement of Aurora A Kinase during Meiosis I-II Transition in <i>Xenopus</i> Oocytes. <i>Journal of Biological Chemistry</i> , 2003, 278, 2236-2241.	3.4	45
32	Pin1 stabilizes Emi1 during G2 phase by preventing its association with SCF <sup>Î²trcp</sup> . <i>EMBO Reports</i> , 2007, 8, 91-98.	4.5	45
33	Cyclin A-Cys41 does not undergo cell cycle-dependent degradation in <i>Xenopus</i> extracts. <i>FEBS Letters</i> , 1992, 306, 90-93.	2.8	44
34	Greatwall kinase at a glance. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	43
35	Greatwall promotes cell transformation by hyperactivating AKT in human malignancies. <i>ELife</i> , 2015, 4, .	6.0	43
36	The <i>Xenopus</i> XMAP215 and Its Human Homologue TOG Proteins Interact with Cyclin B1 to Target p34 <sup>cdc2</sup> to Microtubules during Mitosis. <i>Experimental Cell Research</i> , 2000, 254, 249-256.	2.6	41

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37	Differential regulation of Cdc2 and Aurora-A in <i>Xenopus</i> oocytes: a crucial role of phosphatase 2A. <i>Journal of Cell Science</i> , 2005, 118, 2485-2494.	2.0	31
38	ENSA and ARPP19 differentially control cell cycle progression and development. <i>Journal of Cell Biology</i> , 2019, 218, 541-558.	5.2	30
39	PP2A-B55: substrates and regulators in the control of cellular functions. <i>Oncogene</i> , 2022, 41, 1-14.	5.9	27
40	c-Mos and cyclin B/cdc2 connections during <i>Xenopus</i> oocyte maturation. <i>Biology of the Cell</i> , 2001, 93, 15-25.	2.0	25
41	Involvement of the Ca <sup>2+</sup> /calmodulin-dependent protein kinase II pathway in the Ca <sup>2+</sup> -mediated regulation of the capacitative Ca <sup>2+</sup> entry in <i>Xenopus</i> oocytes. <i>Biochemical Journal</i> , 1997, 322, 267-272.	3.7	22
42	The polo-like kinase Plx1 prevents premature inactivation of the APCFizzy-dependent pathway in the early <i>Xenopus</i> cell cycle. <i>Oncogene</i> , 2000, 19, 3782-3790.	5.9	22
43	MyoD undergoes a distinct G2/M-specific regulation in muscle cells. <i>Experimental Cell Research</i> , 2006, 312, 3999-4010.	2.6	22
44	The master Greatwall kinase, a critical regulator of mitosis and meiosis. <i>International Journal of Developmental Biology</i> , 2016, 60, 245-254.	0.6	22
45	Part of <i>Xenopus</i> Translin Is Localized in the Centrosomes during Mitosis. <i>Biochemical and Biophysical Research Communications</i> , 2000, 276, 515-523.	2.1	20
46	Multiple phosphorylation events control mitotic degradation of the muscle transcription factor Myf5. <i>BMC Biochemistry</i> , 2005, 6, 27.	4.4	20
47	Bovine Papillomavirus Replicative Helicase E1 Is a Target of the Ubiquitin Ligase APC. <i>Journal of Virology</i> , 2004, 78, 2615-2619.	3.4	19
48	XCdh1 is involved in progesterone-induced oocyte maturation. <i>Developmental Biology</i> , 2004, 272, 66-75.	2.0	16
49	Deciphering the New Role of the Greatwall/PP2A Pathway in Cell Cycle Control. <i>Genes and Cancer</i> , 2012, 3, 712-720.	1.9	11
50	PP2A-B55 Holoenzyme Regulation and Cancer. <i>Biomolecules</i> , 2020, 10, 1586.	4.0	11
51	The study of the determinants controlling Arpp19 phosphatase-inhibitory activity reveals an Arpp19/PP2A-B55 feedback loop. <i>Nature Communications</i> , 2021, 12, 3565.	12.8	10
52	Exploring meiotic division in <i>Cargãse</i> . <i>EMBO Reports</i> , 2005, 6, 821-825.	4.5	4
53	Ubiquitin-Mediated Protein Degradation in <i>Xenopus</i> Egg Extracts. <i>Methods in Molecular Biology</i> , 2006, 322, 223-234.	0.9	1
54	Contrôle de la transition métaphase-anaphase. <i>Medecine/Sciences</i> , 2001, 17, 1325-1326.	0.2	0

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55	Arpp19 in prophase I resumption. <i>Cell Cycle</i> , 2017, 16, 1564-1565.	2.6	0