

# Olaf Stemmann

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8638330/publications.pdf>

Version: 2024-02-01

35  
papers

2,515  
citations

257101

24  
h-index

344852

36  
g-index

37  
all docs

37  
docs citations

37  
times ranked

2984  
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinase-Selective Enrichment Enables Quantitative Phosphoproteomics of the Kinome across the Cell Cycle. <i>Molecular Cell</i> , 2008, 31, 438-448.	4.5	548
2	Dual Inhibition of Sister Chromatid Separation at Metaphase. <i>Cell</i> , 2001, 107, 715-726.	13.5	417
3	Mutual Inhibition of Separase and Cdk1 by Two-Step Complex Formation. <i>Molecular Cell</i> , 2005, 19, 135-141.	4.5	178
4	Cleavage of cohesin rings coordinates the separation of centrioles and chromatids. <i>Nature Cell Biology</i> , 2011, 13, 966-972.	4.6	153
5	Prophase pathway-dependent removal of cohesin from human chromosomes requires opening of the Smc3-Scc1 gate. <i>EMBO Journal</i> , 2013, 32, 666-676.	3.5	105
6	Role of cleavage by separase of the Rec8 kleisin subunit of cohesin during mammalian meiosis I. <i>Journal of Cell Science</i> , 2009, 122, 2686-2698.	1.2	97
7	Centromere DNA decatenation depends on cohesin removal and is required for mammalian cell division. <i>Journal of Cell Science</i> , 2010, 123, 806-813.	1.2	91
8	CDC-48/p97 Coordinates CDT-1 Degradation with GINS Chromatin Dissociation to Ensure Faithful DNA Replication. <i>Molecular Cell</i> , 2011, 44, 85-96.	4.5	88
9	Sgol2 provides a regulatory platform that coordinates essential cell cycle processes during meiosis I in oocytes. <i>ELife</i> , 2013, 2, e01133.	2.8	63
10	Hsp90 enables Ctf13p/Skp1p to nucleate the budding yeast kinetochore. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 8585-8590.	3.3	62
11	Essential CDK1-inhibitory role for separase during meiosis I in vertebrate oocytes. <i>Nature Cell Biology</i> , 2006, 8, 1035-1037.	4.6	61
12	PP2A delays APC-dependent degradation of separase-associated but not free securin. <i>EMBO Journal</i> , 2014, 33, 1134-1147.	3.5	57
13	Domain structure of separase and its binding to securin as determined by EM. <i>Nature Structural and Molecular Biology</i> , 2005, 12, 552-553.	3.6	50
14	Human Chromosome Segregation Involves Multi-Layered Regulation of Separase by the Peptidyl-Prolyl-Isomerase Pin1. <i>Molecular Cell</i> , 2015, 58, 495-506.	4.5	49
15	Securin Is Not Required for Chromosomal Stability in Human Cells. <i>PLoS Biology</i> , 2005, 3, e416.	2.6	47
16	Protein Phosphatase 2A and Separase Form a Complex Regulated by Separase Autocleavage*. <i>Journal of Biological Chemistry</i> , 2007, 282, 24623-24632.	1.6	39
17	Securin-independent regulation of separase by checkpoint-induced shugoshin-MAD2. <i>Nature</i> , 2020, 580, 536-541.	13.7	39
18	Cyclin A2 Is Required for Sister Chromatid Segregation, But Not Separase Control, in Mouse Oocyte Meiosis. <i>Cell Reports</i> , 2012, 2, 1077-1087.	2.9	37

#	ARTICLE	IF	CITATIONS
19	Positive and Negative Regulation of Vertebrate Separase by Cdk1-Cyclin B1 May Explain Why Securin Is Dispensable. <i>Journal of Biological Chemistry</i> , 2015, 290, 8002-8010.	1.6	35
20	Securin and not CDK1/cyclin B1 regulates sister chromatid disjunction during meiosis II in mouse eggs. <i>Developmental Biology</i> , 2008, 321, 379-386.	0.9	34
21	Shugoshin is a Mad1/Cdc20-like interactor of Mad2. <i>EMBO Journal</i> , 2011, 30, 2868-2880.	3.5	34
22	Phosphorylation-dependent Binding of Cyclin B1 to a Cdc6-like Domain of Human Separase. <i>Journal of Biological Chemistry</i> , 2008, 283, 816-823.	1.6	32
23	Anaphase Topsy-Turvy: Cdk1 a Securin, Separase a CKI. <i>Cell Cycle</i> , 2006, 5, 11-13.	1.3	31
24	The AAA-ATPase p97-Ufd1-Npl4 is required for ERAD but not for spindle disassembly in <i>Xenopus</i> egg extracts. <i>Journal of Cell Science</i> , 2007, 120, 1325-1329.	1.2	28
25	Separase-triggered apoptosis enforces minimal length of mitosis. <i>Nature</i> , 2020, 580, 542-547.	13.7	26
26	Studying meiotic cohesin in somatic cells reveals that Rec8-cohesin requires Stag3 and is regulated by Wapl and Sororin. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	22
27	Local activation of mammalian separase in interphase promotes double-strand break repair and prevents oncogenic transformation. <i>EMBO Journal</i> , 2018, 37, .	3.5	21
28	NMR Screening for Lead Compounds Using Tryptophan-Mutated Proteins. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 5035-5042.	2.9	12
29	An Alternatively Spliced Bifunctional Localization Signal Reprograms Human Shugoshin 1 to Protect Centrosomal Instead of Centromeric Cohesin. <i>Cell Reports</i> , 2015, 12, 2156-2168.	2.9	12
30	Deletion of APC7 or APC16 Allows Proliferation of Human Cells without the Spindle Assembly Checkpoint. <i>Cell Reports</i> , 2018, 25, 2317-2328.e5.	2.9	11
31	Rephrasing anaphase: separase FEARs shugoshin. <i>Chromosoma</i> , 2005, 113, 409-417.	1.0	9
32	Non-proteolytic ubiquitylation counteracts the APC/C-inhibitory function of XErp1. <i>EMBO Reports</i> , 2011, 12, 436-443.	2.0	8
33	Shaping the endoplasmic reticulum in vitro. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 2035-2040.	1.4	8
34	Identification of Bioactive Small Molecule Inhibitors of Separase. <i>ACS Chemical Biology</i> , 2019, 14, 2155-2159.	1.6	3
35	In Vitro Reconstitution of the Endoplasmic Reticulum. <i>Current Protocols in Cell Biology</i> , 2018, 76, 11.22.1-11.22.16.	2.3	2