

Erich A Nigg

List of Publications by Year in descending order

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221
papers

37,240
citations

1980

101
h-index

3094

187
g-index

227
all docs

227
docs citations

227
times ranked

25960
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitotic kinases as regulators of cell division and its checkpoints. <i>Nature Reviews Molecular Cell Biology</i> , 2001, 2, 21-32.	16.1	1,356
2	Quantitative Phosphoproteomics Reveals Widespread Full Phosphorylation Site Occupancy During Mitosis. <i>Science Signaling</i> , 2010, 3, ra3.	1.6	1,319
3	Proteomic characterization of the human centrosome by protein correlation profiling. <i>Nature</i> , 2003, 426, 570-574.	13.7	1,204
4	Nucleocytoplasmic transport: signals, mechanisms and regulation. <i>Nature</i> , 1997, 386, 779-787.	13.7	983
5	Polo-like kinases and the orchestration of cell division. <i>Nature Reviews Molecular Cell Biology</i> , 2004, 5, 429-441.	16.1	964
6	Cyclin-dependent protein kinases: Key regulators of the eukaryotic cell cycle. <i>BioEssays</i> , 1995, 17, 471-480.	1.2	866
7	Centrioles, Centrosomes, and Cilia in Health and Disease. <i>Cell</i> , 2009, 139, 663-678.	13.5	808
8	The Polo kinase Plk4 functions in centriole duplication. <i>Nature Cell Biology</i> , 2005, 7, 1140-1146.	4.6	740
9	Centrosome aberrations: cause or consequence of cancer progression?. <i>Nature Reviews Cancer</i> , 2002, 2, 815-825.	12.8	667
10	Plk4-Induced Centriole Biogenesis in Human Cells. <i>Developmental Cell</i> , 2007, 13, 190-202.	3.1	606
11	Aurora-A overexpression reveals tetraploidization as a major route to centrosome amplification in p53 ^{-/-} cells. <i>EMBO Journal</i> , 2002, 21, 483-492.	3.5	577
12	Active cyclin B1-Cdk1 first appears on centrosomes in prophase. <i>Nature Cell Biology</i> , 2003, 5, 143-148.	4.6	540
13	The centrosomal protein nephrocystin-6 is mutated in Joubert syndrome and activates transcription factor ATF4. <i>Nature Genetics</i> , 2006, 38, 674-681.	9.4	535
14	Human TPX2 is required for targeting Aurora-A kinase to the spindle. <i>Journal of Cell Biology</i> , 2002, 158, 617-623.	2.3	516
15	The centrosome cycle: Centriole biogenesis, duplication and inherent asymmetries. <i>Nature Cell Biology</i> , 2011, 13, 1154-1160.	4.6	511
16	The Ste20-like kinase Mst2 activates the human large tumor suppressor kinase Lats1. <i>Oncogene</i> , 2005, 24, 2076-2086.	2.6	497
17	Cep164, a novel centriole appendage protein required for primary cilium formation. <i>Journal of Cell Biology</i> , 2007, 179, 321-330.	2.3	467
18	Exploring the Functional Interactions between Aurora B, INCENP, and Survivin in Mitosis. <i>Molecular Biology of the Cell</i> , 2003, 14, 3325-3341.	0.9	466

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19	The MO15 cell cycle kinase is associated with the TFIH transcription-DNA repair factor. <i>Cell</i> , 1994, 79, 1093-1101.	13.5	445
20	Centrosome duplication in mammalian somatic cells requires E2F and Cdk2-Cyclin A. <i>Nature Cell Biology</i> , 1999, 1, 88-93.	4.6	431
21	Polo-like kinase-1 is a target of the DNA damage checkpoint. <i>Nature Cell Biology</i> , 2000, 2, 672-676.	4.6	431
22	The Dissociation of Cohesin from Chromosomes in Prophase Is Regulated by Polo-like Kinase. <i>Molecular Cell</i> , 2002, 9, 515-525.	4.5	410
23	Role of Hec1 in Spindle Checkpoint Signaling and Kinetochores Recruitment of Mad1/Mad2. <i>Science</i> , 2002, 297, 2267-2270.	6.0	399
24	C-Nap1, a Novel Centrosomal Coiled-Coil Protein and Candidate Substrate of the Cell Cycle-regulated Protein Kinase Nek2. <i>Journal of Cell Biology</i> , 1998, 141, 1563-1574.	2.3	398
25	Borealin. <i>Journal of Cell Biology</i> , 2004, 166, 179-191.	2.3	388
26	Once and only once: mechanisms of centriole duplication and their deregulation in disease. <i>Nature Reviews Molecular Cell Biology</i> , 2018, 19, 297-312.	16.1	367
27	Polo-like kinases: positive regulators of cell division from start to finish. <i>Current Opinion in Cell Biology</i> , 1998, 10, 776-783.	2.6	342
28	Control of Centriole Length by CPAP and CP110. <i>Current Biology</i> , 2009, 19, 1005-1011.	1.8	315
29	3D-structured illumination microscopy provides novel insight into architecture of human centrosomes. <i>Biology Open</i> , 2012, 1, 965-976.	0.6	309
30	Structure of a Survivin-Borealin-INCENP Core Complex Reveals How Chromosomal Passengers Travel Together. <i>Cell</i> , 2007, 131, 271-285.	13.5	305
31	Aurora kinases link chromosome segregation and cell division to cancer susceptibility. <i>Current Opinion in Genetics and Development</i> , 2004, 14, 29-36.	1.5	302
32	Phosphoproteome analysis of the human mitotic spindle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 5391-5396.	3.3	301
33	PICH, a Centromere-Associated SNF2 Family ATPase, Is Regulated by Plk1 and Required for the Spindle Checkpoint. <i>Cell</i> , 2007, 128, 101-114.	13.5	297
34	Centrosome-associated Chk1 prevents premature activation of cyclin-Cdk1 kinase. <i>Nature Cell Biology</i> , 2004, 6, 884-891.	4.6	296
35	Phosphorylation of mitotic kinesin-like protein 2 by polo-like kinase 1 is required for cytokinesis. <i>Journal of Cell Biology</i> , 2003, 162, 863-876.	2.3	293
36	Aurora-B phosphorylates Histone H3 at serine28 with regard to the mitotic chromosome condensation. <i>Genes To Cells</i> , 2002, 7, 11-17.	0.5	292

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37	Rootletin forms centriole-associated filaments and functions in centrosome cohesion. <i>Journal of Cell Biology</i> , 2005, 171, 27-33.	2.3	286
38	Novel asymmetrically localizing components of human centrosomes identified by complementary proteomics methods. <i>EMBO Journal</i> , 2011, 30, 1520-1535.	3.5	278
39	A cyclin associated with the CDK-activating kinase MO15. <i>Nature</i> , 1994, 371, 254-257.	13.7	277
40	Relocation of Aurora B from centromeres to the central spindle at the metaphase to anaphase transition requires MKlp2. <i>Journal of Cell Biology</i> , 2004, 166, 167-172.	2.3	276
41	Cdk1/Erk2- and Plk1-Dependent Phosphorylation of a Centrosome Protein, Cep55, Is Required for Its Recruitment to Midbody and Cytokinesis. <i>Developmental Cell</i> , 2005, 9, 477-488.	3.1	273
42	Tension-sensitive Plk1 phosphorylation on BubR1 regulates the stability of kinetochore-microtubule interactions. <i>Genes and Development</i> , 2007, 21, 2205-2219.	2.7	271
43	Molecular Basis of Tubulin Transport Within the Cilium by IFT74 and IFT81. <i>Science</i> , 2013, 341, 1009-1012.	6.0	271
44	Human Asf1 and CAF1 interact and synergize in a repair-coupled nucleosome assembly pathway. <i>EMBO Reports</i> , 2002, 3, 329-334.	2.0	268
45	KIF14 and citron kinase act together to promote efficient cytokinesis. <i>Journal of Cell Biology</i> , 2006, 172, 363-372.	2.3	253
46	Cell cycle regulation of central spindle assembly. <i>Nature</i> , 2004, 430, 908-913.	13.7	244
47	Cellular substrates of p34cdc2 and its companion cyclin-dependent kinases. <i>Trends in Cell Biology</i> , 1993, 3, 296-301.	3.6	243
48	HURP Is a Ran-Importin β -Regulated Protein that Stabilizes Kinetochore Microtubules in the Vicinity of Chromosomes. <i>Current Biology</i> , 2006, 16, 731-742.	1.8	242
49	Targets of cyclin-dependent protein kinases. <i>Current Opinion in Cell Biology</i> , 1993, 5, 187-193.	2.6	238
50	Polo-like Kinase 1 Regulates Nlp, a Centrosome Protein Involved in Microtubule Nucleation. <i>Developmental Cell</i> , 2003, 5, 113-125.	3.1	234
51	Aurora-C kinase is a novel chromosomal passenger protein that can complement Aurora-B kinase function in mitotic cells. <i>Cytoskeleton</i> , 2004, 59, 249-263.	4.4	228
52	Proteome Analysis of the Human Mitotic Spindle. <i>Molecular and Cellular Proteomics</i> , 2005, 4, 35-43.	2.5	225
53	Choice of Plk1 docking partners during mitosis and cytokinesis is controlled by the activation state of Cdk1. <i>Nature Cell Biology</i> , 2007, 9, 436-444.	4.6	225
54	Nuclear export of proteins: The role of nuclear retention. <i>Cell</i> , 1993, 74, 493-504.	13.5	220

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55	Timely anaphase onset requires a novel spindle and kinetochore complex comprising Ska1 and Ska2. EMBO Journal, 2006, 25, 5504-5515.	3.5	220
56	Human Mps1 kinase is required for the spindle assembly checkpoint but not for centrosome duplication. EMBO Journal, 2002, 21, 1723-1732.	3.5	219
57	Calcium triggers exit from meiosis II by targeting the APC/C inhibitor XErp1 for degradation. Nature, 2005, 437, 1048-1052.	13.7	216
58	The Forkhead-associated Domain Protein Cep170 Interacts with Polo-like Kinase 1 and Serves as a Marker for Mature Centrioles. Molecular Biology of the Cell, 2005, 16, 1095-1107.	0.9	215
59	The crystal structure of the human polo-like kinase-1 polo box domain and its phospho-peptide complex. EMBO Journal, 2003, 22, 5757-5768.	3.5	209
60	The Centrosomal Protein C-Nap1 Is Required for Cell Cycle-Regulated Centrosome Cohesion. Journal of Cell Biology, 2000, 151, 837-846.	2.3	207
61	Centrosome duplication: of rules and licenses. Trends in Cell Biology, 2007, 17, 215-221.	3.6	206
62	The Plk1-dependent Phosphoproteome of the Early Mitotic Spindle. Molecular and Cellular Proteomics, 2011, 10, M110.004457.	2.5	201
63	A mammalian RNA polymerase II holoenzyme containing all components required for promoter-specific transcription initiation. Cell, 1995, 83, 137-146.	13.5	198
64	Stable kinetochore-microtubule interactions depend on the Ska complex and its new component Ska3/C13Orf3. EMBO Journal, 2009, 28, 1442-1452.	3.5	196
65	Human Cep192 and Cep152 cooperate in Plk4 recruitment and centriole duplication. Journal of Cell Science, 2013, 126, 3223-33.	1.2	195
66	Plk4 auto-phosphorylation regulates centriole number by controlling TrCP-mediated degradation. Journal of Cell Science, 2010, 123, 2163-2169.	1.2	194
67	Origins and consequences of centrosome aberrations in human cancers. International Journal of Cancer, 2006, 119, 2717-2723.	2.3	185
68	Cep68 and Cep215 (Cdk5rap2) are required for centrosome cohesion. Journal of Cell Science, 2007, 120, 4321-4331.	1.2	181
69	Use of the Novel Plk1 Inhibitor ZK-Thiazolidinone to Elucidate Functions of Plk1 in Early and Late Stages of Mitosis. Molecular Biology of the Cell, 2007, 18, 4024-4036.	0.9	178
70	Xenopus polo-like kinase Plx1 regulates XErp1, a novel inhibitor of APC/C activity. Genes and Development, 2005, 19, 502-513.	2.7	172
71	Cell-cycle-regulated expression of STIL controls centriole number in human cells. Journal of Cell Science, 2012, 125, 1342-1352.	1.2	170
72	Strong Functional Interactions of TFIIH with XPC and XPG in Human DNA Nucleotide Excision Repair, without a Preassembled Repairosome. Molecular and Cellular Biology, 2001, 21, 2281-2291.	1.1	168

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73	Aurora-B Regulates the Cleavage Furrow-specific Vimentin Phosphorylation in the Cytokinetic Process. <i>Journal of Biological Chemistry</i> , 2003, 278, 8526-8530.	1.6	168
74	Identification of human Asf1 chromatin assembly factors as substrates of Tousled-like kinases. <i>Current Biology</i> , 2001, 11, 1068-1073.	1.8	164
75	Complex formation of Plk1 and INCENP required for metaphase-anaphase transition. <i>Nature Cell Biology</i> , 2006, 8, 180-187.	4.6	159
76	Spatial Exclusivity Combined with Positive and Negative Selection of Phosphorylation Motifs Is the Basis for Context-Dependent Mitotic Signaling. <i>Science Signaling</i> , 2011, 4, ra42.	1.6	155
77	Astrin is required for the maintenance of sister chromatid cohesion and centrosome integrity. <i>Journal of Cell Biology</i> , 2007, 178, 345-354.	2.3	154
78	Centrosome cohesion is regulated by a balance of kinase and phosphatase activities. <i>Journal of Cell Science</i> , 2001, 114, 3749-3757.	1.2	154
79	The PIDDosome activates p53 in response to supernumerary centrosomes. <i>Genes and Development</i> , 2017, 31, 34-45.	2.7	153
80	Cep164 triggers ciliogenesis by recruiting Tau tubulin kinase 2 to the mother centriole. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E2841-50.	3.3	152
81	Structural and Functional Organization of the Ska Complex, a Key Component of the Kinetochore-Microtubule Interface. <i>Molecular Cell</i> , 2012, 46, 274-286.	4.5	149
82	Band 3-glycophorin A association in erythrocyte membranes demonstrated by combining protein diffusion measurements with antibody-induced cross-linking. <i>Biochemistry</i> , 1980, 19, 1887-1893.	1.2	148
83	Evaluation and Improvement of Quantification Accuracy in Isobaric Mass Tag-Based Protein Quantification Experiments. <i>Journal of Proteome Research</i> , 2016, 15, 2537-2547.	1.8	148
84	Assembly-disassembly of the nuclear lamina. <i>Current Opinion in Cell Biology</i> , 1992, 4, 105-109.	2.6	146
85	Centromere Targeting of the Chromosomal Passenger Complex Requires a Ternary Subcomplex of Borealin, Survivin, and the N-Terminal Domain of INCENP. <i>Molecular Biology of the Cell</i> , 2006, 17, 2547-2558.	0.9	145
86	Human Tousled like kinases are targeted by an ATM- and Chk1-dependent DNA damage checkpoint. <i>EMBO Journal</i> , 2003, 22, 1676-1687.	3.5	143
87	Substrate Specificity and Cell Cycle Regulation of the Nek2 Protein Kinase, a Potential Human Homolog of the Mitotic Regulator NIMA of <i>Aspergillus nidulans</i> . <i>Journal of Biological Chemistry</i> , 1995, 270, 12899-12905.	1.6	140
88	A Complex of Two Centrosomal Proteins, CAP350 and FOP, Cooperates with EB1 in Microtubule Anchoring. <i>Molecular Biology of the Cell</i> , 2006, 17, 634-644.	0.9	140
89	Mitotic control of kinetochore-associated dynein and spindle orientation by human Spindly. <i>Journal of Cell Biology</i> , 2009, 185, 859-874.	2.3	140
90	Different Plk1 Functions Show Distinct Dependencies on Polo-Box Domain-mediated Targeting. <i>Molecular Biology of the Cell</i> , 2006, 17, 448-459.	0.9	134

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91	Phosphorylation by p34cdc2 Protein Kinase Regulates Binding of the Kinesin-related Motor HsEg5 to the Dynactin Subunit p150Glued. <i>Journal of Biological Chemistry</i> , 1997, 272, 19418-19424.	1.6	132
92	The autoregulated instability of Polo-like kinase 4 limits centrosome duplication to once per cell cycle. <i>Genes and Development</i> , 2012, 26, 2684-2689.	2.7	132
93	Cyclin-dependent kinase 7: at the cross-roads of transcription, DNA repair and cell cycle control?. <i>Current Opinion in Cell Biology</i> , 1996, 8, 312-317.	2.6	129
94	Phosphorylation by Cdk1 induces Plk1-mediated vimentin phosphorylation during mitosis. <i>Journal of Cell Biology</i> , 2005, 171, 431-436.	2.3	127
95	The PLK4-“STIL”-SAS-6 module at the core of centriole duplication. <i>Biochemical Society Transactions</i> , 2016, 44, 1253-1263.	1.6	125
96	Aurora B controls kinetochore-microtubule attachments by inhibiting Ska complex-KMN network interaction. <i>Journal of Cell Biology</i> , 2012, 196, 563-571.	2.3	122
97	The transforming protein of Moloney murine sarcoma virus is a soluble cytoplasmic protein. <i>Cell</i> , 1983, 33, 161-172.	13.5	121
98	Plk1 regulates mitotic Aurora A function through TrCP-dependent degradation of hBora. <i>Chromosoma</i> , 2008, 117, 457-469.	1.0	120
99	STIL Microcephaly Mutations Interfere with APC/C-Mediated Degradation and Cause Centriole Amplification. <i>Current Biology</i> , 2014, 24, 351-360.	1.8	118
100	Aurora B suppresses microtubule dynamics and limits central spindle size by locally activating KIF4A. <i>Journal of Cell Biology</i> , 2013, 202, 605-621.	2.3	117
101	Centrosomes as signalling centres. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130464.	1.8	115
102	Quantitative Analysis of the Human Spindle Phosphoproteome at Distinct Mitotic Stages. <i>Journal of Proteome Research</i> , 2009, 8, 4553-4563.	1.8	110
103	STIL binding to Polo-box 3 of PLK4 regulates centriole duplication. <i>ELife</i> , 2015, 4, .	2.8	109
104	Influence of human Ect2 depletion and overexpression on cleavage furrow formation and abscission. <i>Journal of Cell Science</i> , 2006, 119, 3008-3019.	1.2	108
105	The mitotic roles of Polo-like kinase. <i>Journal of Cell Science</i> , 2001, 114, 2357-2358.	1.2	108
106	Persistence of DNA threads in human anaphase cells suggests late completion of sister chromatid decatenation. <i>Chromosoma</i> , 2008, 117, 123-135.	1.0	107
107	RanBP2 and SENP3 Function in a Mitotic SUMO2/3 Conjugation-Deconjugation Cycle on Borealin. <i>Molecular Biology of the Cell</i> , 2009, 20, 410-418.	0.9	106
108	Uncoupling of the spindle-checkpoint and chromosome-congression functions of BubR1. <i>Journal of Cell Science</i> , 2010, 123, 84-94.	1.2	100

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109	Cytostatic factor: an activity that puts the cell cycle on hold. <i>Journal of Cell Science</i> , 2006, 119, 1213-1218.	1.2	98
110	Centrosome-Associated NDR Kinase Regulates Centrosome Duplication. <i>Molecular Cell</i> , 2007, 25, 625-634.	4.5	98
111	Plk1 and Mps1 Cooperatively Regulate the Spindle Assembly Checkpoint in Human Cells. <i>Cell Reports</i> , 2015, 12, 66-78.	2.9	96
112	Mitogen-activated protein kinases phosphorylate nuclear lamins and display sequence specificity overlapping that of mitotic protein kinase p34cdc2. <i>FEBS Journal</i> , 1992, 205, 287-294.	0.2	94
113	PICH promotes sister chromatid disjunction and co-operates with topoisomerase II in mitosis. <i>Nature Communications</i> , 2015, 6, 8962.	5.8	94
114	The mechanism regulating the dissociation of the centrosomal protein C-Nap1 from mitotic spindle poles. <i>Journal of Cell Science</i> , 2002, 115, 3275-3284.	1.2	94
115	Dimeric association of band 3 in the erythrocyte membrane demonstrated by protein diffusion measurements. <i>Nature</i> , 1979, 277, 493-494.	13.7	91
116	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
117	The CeCDC-14 phosphatase is required for cytokinesis in the <i>Caenorhabditis elegans</i> embryo. <i>Journal of Cell Biology</i> , 2002, 158, 901-914.	2.3	88
118	Acentrosomal spindle organization renders cancer cells dependent on the kinesin HSET. <i>Journal of Cell Science</i> , 2012, 125, 5391-402.	1.2	86
119	PICH: A DNA Translocase Specially Adapted for Processing Anaphase Bridge DNA. <i>Molecular Cell</i> , 2013, 51, 691-701.	4.5	86
120	Nuclear Function and Organization: The Potential of Immunochemical Approaches. <i>International Review of Cytology</i> , 1988, 110, 27-92.	6.2	85
121	Mechanisms of Signal Transduction to the Cell Nucleus. <i>Advances in Cancer Research</i> , 1990, 55, 271-310.	1.9	84
122	Phosphorylation of Nlp by Plk1 negatively regulates its dynein-dynactin-dependent targeting to the centrosome. <i>Journal of Cell Science</i> , 2005, 118, 5101-5108.	1.2	84
123	Structural basis for microtubule recognition by the human kinetochore Ska complex. <i>Nature Communications</i> , 2014, 5, 2964.	5.8	84
124	Dynamic Changes in Nuclear Architecture during Mitosis: On the Role of Protein Phosphorylation in Spindle Assembly and Chromosome Segregation. <i>Experimental Cell Research</i> , 1996, 229, 174-180.	1.2	83
125	Coordinate Regulation of the Mother Centriole Component Nlp by Nek2 and Plk1 Protein Kinases. <i>Molecular and Cellular Biology</i> , 2005, 25, 1309-1324.	1.1	83
126	Activity of the Human Centrosomal Kinase, Nek2, Depends on an Unusual Leucine Zipper Dimerization Motif. <i>Journal of Biological Chemistry</i> , 1999, 274, 16304-16310.	1.6	79

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127	Inhibition of Centrosome Separation after DNA Damage: A Role for Nek2. <i>Radiation Research</i> , 2004, 162, 128-135.	0.7	79
128	Suppression of Tousled-like kinase activity after DNA damage or replication block requires ATM, NBS1 and Chk1. <i>Oncogene</i> , 2003, 22, 5927-5937.	2.6	77
129	Tousled-like kinase functions with the chromatin assembly pathway regulating nuclear divisions. <i>Genes and Development</i> , 2003, 17, 2578-2590.	2.7	77
130	Cell-cycle control: POLO-like kinases join the outer circle. <i>Trends in Cell Biology</i> , 1997, 7, 63-68.	3.6	76
131	Characterization of Polo-like Kinase 1 during Meiotic Maturation of the Mouse Oocyte. <i>Developmental Biology</i> , 2000, 220, 392-400.	0.9	76
132	Sgt1 is required for human kinetochore assembly. <i>EMBO Reports</i> , 2004, 5, 626-631.	2.0	76
133	Quantitative analysis of human centrosome architecture by targeted proteomics and fluorescence imaging. <i>EMBO Journal</i> , 2016, 35, 2152-2166.	3.5	76
134	The mechanism regulating the dissociation of the centrosomal protein C-Nap1 from mitotic spindle poles. <i>Journal of Cell Science</i> , 2002, 115, 3275-84.	1.2	76
135	Cell Cycle-regulated Phosphorylation of the XenopusPolo-like Kinase Plx1. <i>Journal of Biological Chemistry</i> , 2002, 277, 25247-25256.	1.6	74
136	Kinetochore localization and microtubule interaction of the human spindle checkpoint kinase Mps1. <i>Chromosoma</i> , 2004, 113, 1-15.	1.0	74
137	Probing the in vivo function of Mad1:C-Mad2 in the spindle assembly checkpoint. <i>EMBO Journal</i> , 2011, 30, 3322-3336.	3.5	73
138	The centrosome duplication cycle in health and disease. <i>FEBS Letters</i> , 2014, 588, 2366-2372.	1.3	73
139	Evaluation of the Low-Specificity Protease Elastase for Large-Scale Phosphoproteome Analysis. <i>Analytical Chemistry</i> , 2008, 80, 9526-9533.	3.2	71
140	Protein kinases in control of the centrosome cycle. <i>FEBS Letters</i> , 1999, 452, 92-95.	1.3	70
141	Quantitative Mass Spectrometry Analysis Reveals Similar Substrate Consensus Motif for Human Mps1 Kinase and Plk1. <i>PLoS ONE</i> , 2011, 6, e18793.	1.1	65
142	Depletion of licensing inhibitor geminin causes centrosome overduplication and mitotic defects. <i>EMBO Reports</i> , 2005, 6, 1052-1057.	2.0	63
143	Re-examination of siRNA specificity questions role of PICH and Tao1 in the spindle checkpoint and identifies Mad2 as a sensitive target for small RNAs. <i>Chromosoma</i> , 2010, 119, 149-165.	1.0	60
144	The Transforming Parasite <i>Theileria</i> Co-opts Host Cell Mitotic and Central Spindles to Persist in Continuously Dividing Cells. <i>PLoS Biology</i> , 2010, 8, e1000499.	2.6	60

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145	Regulation of Aurora-A kinase on the mitotic spindle. <i>Chromosoma</i> , 2003, 112, 159-163.	1.0	55
146	From proteome lists to biological impact— tools and strategies for the analysis of large MS data sets. <i>Proteomics</i> , 2010, 10, 1270-1283.	1.3	54
147	Probing the catalytic functions of Bub1 kinase using the small molecule inhibitors BAY-320 and BAY-524. <i>ELife</i> , 2016, 5, .	2.8	53
148	Plk 3-kinase-dependent phosphorylation of Plk1—Ser99 promotes association with 14-3-3 β and is required for metaphase— anaphase transition. <i>Nature Communications</i> , 2013, 4, 1882.	5.8	51
149	The E3 ubiquitin ligase Mib1 regulates Plk4 and centriole biogenesis. <i>Journal of Cell Science</i> , 2015, 128, 1674-82.	1.2	50
150	Cell Cycle: The NIMA kinase joins forces with Cdc2. <i>Current Biology</i> , 1995, 5, 1122-1125.	1.8	49
151	The Spindle Protein CHICA Mediates Localization of the Chromokinesin Kid to the Mitotic Spindle. <i>Current Biology</i> , 2008, 18, 723-729.	1.8	48
152	Comparative conservation analysis of the human mitotic phosphoproteome. <i>Bioinformatics</i> , 2008, 24, 1426-1432.	1.8	48
153	SUMO-dependent regulation of centrin-2. <i>Journal of Cell Science</i> , 2009, 122, 3312-3321.	1.2	47
154	Identification of phosphorylation sites in the polo-like kinases Plx1 and Plk1 by a novel strategy based on element and electrospray high resolution mass spectrometry. <i>Proteomics</i> , 2002, 2, 1516-1523.	1.3	46
155	Quantitative Site-specific Phosphorylation Dynamics of Human Protein Kinases during Mitotic Progression. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 1167-1181.	2.5	46
156	Evaluation of Data-Dependent and -Independent Mass Spectrometric Workflows for Sensitive Quantification of Proteins and Phosphorylation Sites. <i>Journal of Proteome Research</i> , 2014, 13, 5973-5988.	1.8	44
157	Structural centrosome aberrations promote non—cell—autonomous invasiveness. <i>EMBO Journal</i> , 2018, 37, .	3.5	43
158	Quantitative proteomic and phosphoproteomic comparison of human colon cancer DLD-1 cells differing in ploidy and chromosome stability. <i>Molecular Biology of the Cell</i> , 2018, 29, 1031-1047.	0.9	41
159	Thein Vivo Expression Pattern of Mouse Nek2, a NIMA-Related Kinase, Indicates a Role in both Mitosis and Meiosis. <i>Experimental Cell Research</i> , 1997, 237, 264-274.	1.2	40
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