Angelika B Amon

List of Publications by Year
in descending order

151	25,121	11908 72	8878 150
papers	citations	h-index	g-index

181	181	181	31347
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cross-compartment signal propagation in the mitotic exit network. ELife, 2021, 10, .	2.8	21
2	<i>RAD21</i> is a driver of chromosome 8 gain in Ewing sarcoma to mitigate replication stress. Genes and Development, 2021, 35, 556-572.	2.7	28
3	Opportunities, barriers, and recommendations in Down syndrome research. Translational Science of Rare Diseases, 2021, 5, 99-129.	1.6	33
4	Aneuploid senescent cells activate NFâ€ÎºB to promote their immune clearance by NK cells. EMBO Reports, 2021, 22, e52032.	2.0	42
5	Clonal selection of stable aneuploidies in progenitor cells drives high-prevalence tumorigenesis. Genes and Development, 2021, 35, 1079-1092.	2.7	35
6	Cell adaptation to aneuploidy by the environmental stress response dampens induction of the cytosolic unfolded-protein response. Molecular Biology of the Cell, 2021, 32, 1557-1564.	0.9	9
7	Decreasing mitochondrial RNA polymerase activity reverses biased inheritance of hypersuppressive mtDNA. PLoS Genetics, 2021, 17, e1009808.	1.5	2
8	Cell size is a determinant of stem cell potential during aging. Science Advances, 2021, 7, eabk0271.	4.7	75
9	Context is everything: aneuploidy in cancer. Nature Reviews Genetics, 2020, 21, 44-62.	7.7	407
10	Aneuploidy increases resistance to chemotherapeutics by antagonizing cell division. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 30566-30576.	3.3	43
11	Emergence of a High-Plasticity Cell State during Lung Cancer Evolution. Cancer Cell, 2020, 38, 229-246.e13.	7.7	210
12	A somatic evolutionary model of the dynamics of aneuploid cells during hematopoietic reconstitution. Scientific Reports, 2020, 10, 12198.	1.6	0
13	Spindle pole bodies function as signal amplifiers in the Mitotic Exit Network. Molecular Biology of the Cell, 2020, 31, 906-916.	0.9	12
14	The environmental stress response causes ribosome loss in aneuploid yeast cells. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 17031-17040.	3.3	28
15	Relevance and Regulation of Cell Density. Trends in Cell Biology, 2020, 30, 213-225.	3.6	79
16	Aneuploidy and a deregulated DNA damage response suggest haploinsufficiency in breast tissues of <i>BRCA2</i> mutation carriers. Science Advances, 2020, 6, eaay2611.	4.7	27
17	Evaluation of Chen etÂ al.: Overexpression of Protein Complexes and Aneuploidy. Cell Systems, 2019, 9, 107-108.	2.9	1
18	Why haploinsufficiency persists. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 11866-11871.	3.3	57

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19	Protein aggregation mediates stoichiometry of protein complexes in aneuploid cells. Genes and Development, 2019, 33, 1031-1047.	2.7	83
20	Aneuploidy drives lethal progression in prostate cancer. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 11390-11395.	3.3	101
21	Excessive Cell Growth Causes Cytoplasm Dilution And Contributes to Senescence. Cell, 2019, 176, 1083-1097.e18.	13.5	347
22	The Mitotic Exit Network integrates temporal and spatial signals by distributing regulation across multiple components. ELife, 2019, 8, .	2.8	22
23	MitoCPRâ€"A surveillance pathway that protects mitochondria in response to protein import stress. Science, 2018, 360, .	6.0	253
24	Deregulation of the G1/S-phase transition is the proximal cause of mortality in old yeast mother cells. Genes and Development, 2018, 32, 1075-1084.	2.7	46
25	Phosphorylation-Mediated Clearance of Amyloid-like Assemblies in Meiosis. Developmental Cell, 2018, 45, 392-405.e6.	3.1	66
26	Chromosome Segregation Fidelity in Epithelia Requires Tissue Architecture. Cell, 2018, 175, 200-211.e13.	13.5	117
27	Single-chromosome Gains Commonly Function as Tumor Suppressors. Cancer Cell, 2017, 31, 240-255.	7.7	164
28	Aneuploidy in Cancer: Seq-ing Answers to Old Questions. Annual Review of Cancer Biology, 2017, 1, 335-354.	2.3	65
29	Chromosome Mis-segregation Generates Cell-Cycle-Arrested Cells with Complex Karyotypes that Are Eliminated by the Immune System. Developmental Cell, 2017, 41, 638-651.e5.	3.1	263
30	Aneuploidy Causes Non-genetic Individuality. Cell, 2017, 169, 229-242.e21.	13.5	81
31	Not just Salk. Science, 2017, 357, 1105-1106.	6.0	4
32	Aneuploid Cell Survival Relies upon Sphingolipid Homeostasis. Cancer Research, 2017, 77, 5272-5286.	0.4	37
33	<i>LTE1</i> promotes exit from mitosis by multiple mechanisms. Molecular Biology of the Cell, 2016, 27, 3991-4001.	0.9	22
34	The pleiotropic deubiquitinase Ubp3 confers aneuploidy tolerance. Genes and Development, 2016, 30, 2259-2271.	2.7	22
35	Aneuploidy impairs hematopoietic stem cell fitness and is selected against in regenerating tissues in vivo. Genes and Development, 2016, 30, 1395-1408.	2.7	81
36	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701

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37	Chromosome-Specific and Global Effects of Aneuploidy in<i>Saccharomyces cerevisiae</i>. Genetics, 2016, 202, 1395-1409.	1.2	37
38	Assessment of megabase-scale somatic copy number variation using single-cell sequencing. Genome Research, 2016, 26, 376-384.	2.4	102
39	Nutrient Control of Yeast Gametogenesis Is Mediated by TORC1, PKA and Energy Availability. PLoS Genetics, 2016, 12, e1006075.	1.5	36
40	No current evidence for widespread dosage compensation in S. cerevisiae. ELife, 2016, 5, e10996.	2.8	52
41	Spatial signals link exit from mitosis to spindle position. ELife, 2016, 5, .	2.8	26
42	The micronucleus gets its big break. Nature, 2015, 522, 162-163.	13.7	9
43	A System to Study Aneuploidy In Vivo. Cold Spring Harbor Symposia on Quantitative Biology, 2015, 80, 93-101.	2.0	3
44	Short- and long-term effects of chromosome mis-segregation and aneuploidy. Nature Reviews Molecular Cell Biology, 2015, 16, 473-485.	16.1	439
45	Mitotic entry in the presence of DNA damage is a widespread property of aneuploidy in yeast. Molecular Biology of the Cell, 2015, 26, 1440-1451.	0.9	36
46	Regulated Formation of an Amyloid-like Translational Repressor Governs Gametogenesis. Cell, 2015, 163, 406-418.	13.5	148
47	Aneuploidy-induced cellular stresses limit autophagic degradation. Genes and Development, 2015, 29, 2010-2021.	2.7	136
48	A case for more curiosity-driven basic research. Molecular Biology of the Cell, 2015, 26, 3690-3691.	0.9	2
49	Aneuploid proliferation defects in yeast are not driven by copy number changes of a few dosage-sensitive genes. Genes and Development, 2015, 29, 898-903.	2.7	55
50	Aneuploidy triggers a TFEB-mediated lysosomal stress response. Autophagy, 2015, 11, 2383-2384.	4.3	20
51	Quantitative proteomic analysis reveals posttranslational responses to aneuploidy in yeast. ELife, 2014, 3, e03023.	2.8	218
52	Single cell sequencing reveals low levels of aneuploidy across mammalian tissues. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13409-13414.	3.3	261
53	Aneuploidy: implications for protein homeostasis and disease. DMM Disease Models and Mechanisms, 2014, 7, 15-20.	1.2	108
54	Angelika Amon. Current Biology, 2013, 23, R906-R907.	1.8	1

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55	Meiosis I: when chromosomes undergo extreme makeover. Current Opinion in Cell Biology, 2013, 25, 687-696.	2.6	40
56	Changes in Cell Morphology Are Coordinated with Cell Growth through the TORC1 Pathway. Current Biology, 2013, 23, 1269-1279.	1.8	38
57	Gene Copy-Number Alterations: A Cost-Benefit Analysis. Cell, 2013, 152, 394-405.	13.5	281
58	Activation of the Yeast Hippo Pathway by Phosphorylation-Dependent Assembly of Signaling Complexes. Science, 2013, 340, 871-875.	6.0	96
59	A developmentally regulated translational control pathway establishes the meiotic chromosome segregation pattern. Genes and Development, 2013, 27, 2147-2163.	2.7	90
60	Polo kinase Cdc5 is a central regulator of meiosis I. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 14278-14283.	3.3	55
61	The many sides of CIN. Nature Reviews Molecular Cell Biology, 2013, 14, 611-611.	16.1	5
62	Aneuploid yeast strains exhibit defects in cell growth and passage through START. Molecular Biology of the Cell, 2013, 24, 1274-1289.	0.9	79
63	Tight Coordination of Protein Translation and HSF1 Activation Supports the Anabolic Malignant State. Science, 2013, 341, 1238303.	6.0	234
64	Transcriptional consequences of aneuploidy. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 12644-12649.	3.3	250
65	Aneuploidy causes proteotoxic stress in yeast. Genes and Development, 2012, 26, 2696-2708.	2.7	255
66	Control of the mitotic exit network during meiosis. Molecular Biology of the Cell, 2012, 23, 3122-3132.	0.9	21
67	Transcription of Two Long Noncoding RNAs Mediates Mating-Type Control of Gametogenesis in Budding Yeast. Cell, 2012, 150, 1170-1181.	13.5	235
68	New Insights into the Troubles of Aneuploidy. Annual Review of Cell and Developmental Biology, 2012, 28, 189-214.	4.0	178
69	Chromosomal instability and aneuploidy in cancer: from yeast to man. EMBO Reports, 2012, 13, 515-527.	2.0	182
70	Meiosis I chromosome segregation is established through regulation of microtubuleâ€"kinetochore interactions. ELife, 2012, 1, e00117.	2.8	85
71	Gametogenesis Eliminates Age-Induced Cellular Damage and Resets Life Span in Yeast. Science, 2011, 332, 1554-1557.	6.0	122
72	Aneuploidy Drives Genomic Instability in Yeast. Science, 2011, 333, 1026-1030.	6.0	367

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73	Identification of Aneuploidy-Selective Antiproliferation Compounds. Cell, 2011, 144, 499-512.	13.5	305
74	The aneuploidy paradox: costs and benefits of an incorrect karyotype. Trends in Genetics, 2011, 27, 446-453.	2.9	225
75	Regulation of entry into gametogenesis. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 3521-3531.	1.8	98
76	Cdc15 integrates Tem1 GTPase-mediated spatial signals with Polo kinase-mediated temporal cues to activate mitotic exit. Genes and Development, 2011, 25, 1943-1954.	2.7	57
77	Lte1 promotes mitotic exit by controlling the localization of the spindle position checkpoint kinase Kin4. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 12584-12590.	3.3	36
78	Growth and divisionâ€"not a one-way road. Current Opinion in Cell Biology, 2010, 22, 795-800.	2.6	47
79	Condensins Promote Coorientation of Sister Chromatids During Meiosis I in Budding Yeast. Genetics, 2010, 185, 55-64.	1.2	39
80	Measurement of mass, density, and volume during the cell cycle of yeast. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 999-1004.	3.3	240
81	The Lrs4-Csm1 monopolin complex associates with kinetochores during anaphase and is required for accurate chromosome segregation. Cell Cycle, 2010, 9, 3611-3618.	1.3	19
82	Spindle Position Is Coordinated with Cell-Cycle Progression through Establishment of Mitotic Exit-Activating and -Inhibitory Zones. Molecular Cell, 2010, 39, 444-454.	4.5	44
83	The Monopolin Complex Crosslinks Kinetochore Components to Regulate Chromosome-Microtubule Attachments. Cell, 2010, 142, 556-567.	13.5	119
84	Identification of Aneuploidy-Tolerating Mutations. Cell, 2010, 143, 71-83.	13.5	352
85	The rate of cell growth is governed by cell cycle stage. Genes and Development, 2009, 23, 1408-1422.	2.7	150
86	Aneuploidy: Cancer's Fatal Flaw?. Cancer Research, 2009, 69, 5289-5291.	0.4	80
87	The protein phosphatase 2A functions in the spindle position checkpoint by regulating the checkpoint kinase Kin4. Genes and Development, 2009, 23, 1639-1649.	2.7	53
88	The Multiple Roles of Cohesin in Meiotic Chromosome Morphogenesis and Pairing. Molecular Biology of the Cell, 2009, 20, 1030-1047.	0.9	85
89	Regulation of Spo12 Phosphorylation and Its Essential Role in the FEAR Network. Current Biology, 2009, 19, 449-460.	1.8	39
90	The FEAR network. Current Biology, 2009, 19, R1063-R1068.	1.8	74

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91	Life and death decisions. Current Opinion in Cell Biology, 2009, 21, 767-770.	2.6	0
92	Cell Polarity Determinants Establish Asymmetry in MEN Signaling. Developmental Cell, 2009, 16, 132-145.	3.1	64
93	Effects of Age on Meiosis in Budding Yeast. Developmental Cell, 2009, 16, 844-855.	3.1	22
94	A decade of Cdc14 â€“ a personal perspectiveâ€ Delivered on 9 July 2007 at the 32nd FEBS Congress in Vienna, Austria. FEBS Journal, 2008, 275, 5774-5784.	2.2	24
95	Emerging roles for centromeres in meiosis I chromosome segregation. Nature Reviews Genetics, 2008, 9, 899-910.	7.7	122
96	Control of Meiosis by Respiration. Current Biology, 2008, 18, 969-975.	1.8	70
97	Aneuploidy Affects Proliferation and Spontaneous Immortalization in Mammalian Cells. Science, 2008, 322, 703-709.	6.0	534
98	Meiosis I Is Established through Division-Specific Translational Control of a Cyclin. Cell, 2008, 133, 280-291.	13.5	202
99	APC/C-Cdh1-mediated degradation of the Polo kinase Cdc5 promotes the return of Cdc14 into the nucleolus. Genes and Development, 2008, 22, 79-90.	2.7	80
100	Aneuploidy: Cells Losing Their Balance. Genetics, 2008, 179, 737-746.	1.2	342
101	Mitotic CDKs control the metaphaseâ€“anaphase transition and trigger spindle elongation. Genes and Development, 2008, 22, 1534-1548.	2.7	53
102	Shugoshin Promotes Sister Kinetochore Biorientation in Saccharomyces cerevisiae. Molecular Biology of the Cell, 2008, 19, 1199-1209.	0.9	43
103	The Polo-like kinase Cdc5 interacts with FEAR network components and Cdc14. Cell Cycle, 2008, 7, 3262-3272.	1.3	24
104	Kinetochore Orientation during Meiosis Is Controlled by Aurora B and the Monopolin Complex. Cell, 2007, 128, 477-490.	13.5	131
105	Effects of Aneuploidy on Cellular Physiology and Cell Division in Haploid Yeast. Science, 2007, 317, 916-924.	6.0	811
106	Causes and consequences of aneuploidy.. FASEB Journal, 2007, 21, A150.	0.2	0
107	Rec8 phosphorylation and recombination promote the step-wise loss of cohesins in meiosis. Nature, 2006, 441, 532-536.	13.7	145
108	Checking Your Breaks: Surveillance Mechanisms of Meiotic Recombination. Current Biology, 2006, 16, R217-R228.	1.8	127

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109	The Stress-activated Mitogen-activated Protein Kinase Signaling Cascade Promotes Exit from Mitosis. Molecular Biology of the Cell, 2006, 17, 3136-3146.	0.9	31
110	Ribosomal DNA Transcription-Dependent Processes Interfere with Chromosome Segregation. Molecular and Cellular Biology, 2006, 26, 6239-6247.	1.1	38
111	Inhibition of homologous recombination by a cohesin-associated clamp complex recruited to the rDNA recombination enhancer. Genes and Development, 2006, 20, 2887-2901.	2.7	144
112	Novel Response to Microtubule Perturbation in Meiosis. Molecular and Cellular Biology, 2005, 25, 4767-4781.	1.1	49
113	The core centromere and Sgo1 establish a 50-kb cohesin-protected domain around centromeres during meiosis I. Genes and Development, 2005, 19, 3017-3030.	2.7	87
114	Ras and the Rho Effector Cla4 Collaborate to Target and Anchor Lte1 at the Bud Cortex. Cell Cycle, 2005, 4, 940-946.	1.3	21
115	The Protein Kinase Kin4 Inhibits Exit from Mitosis in Response to Spindle Position Defects. Molecular Cell, 2005, 19, 223-234.	4.5	131
116	The FK506 Binding Protein Fpr3 Counteracts Protein Phosphatase 1 to Maintain Meiotic Recombination Checkpoint Activity. Cell, 2005, 122, 861-873.	13.5	137
117	At the interface between signaling and executing anaphase--Cdc14 and the FEAR network. Genes and Development, 2004, 18, 2581-2595.	2.7	118
118	A Genome-Wide Screen Identifies Genes Required for Centromeric Cohesion. Science, 2004, 303, 1367-1370.	6.0	252
119	Meiosis: cell-cycle controls shuffle and deal. Nature Reviews Molecular Cell Biology, 2004, 5, 983-997.	16.1	293
120	The Replication Fork Block Protein Fob1 Functions as a Negative Regulator of the FEAR Network. Current Biology, 2004, 14, 467-480.	1.8	56
121	Spo13 Maintains Centromeric Cohesion and Kinetochore Coorientation during Meiosis I. Current Biology, 2004, 14, 2168-2182.	1.8	80
122	Linked for life: temporal and spatial coordination of late mitotic events. Current Opinion in Cell Biology, 2004, 16, 41-48.	2.6	39
123	Closing Mitosis: The Functions of the Cdc14 Phosphatase and Its Regulation. Annual Review of Genetics, 2004, 38, 203-232.	3.2	403
124	Cdc14 and Condensin Control the Dissolution of Cohesin-Independent Chromosome Linkages at Repeated DNA. Cell, 2004, 117, 455-469.	13.5	256
125	Role of Polo-like Kinase CDC5 in Programming Meiosis I Chromosome Segregation. Science, 2003, 300, 482-486.	6.0	244
126	The Cdc14 Phosphatase and the FEAR Network Control Meiotic Spindle Disassembly and Chromosome Segregation. Developmental Cell, 2003, 4, 711-726.	3.1	118

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127	The Role of the Polo Kinase Cdc5 in Controlling Cdc14 Localization. Molecular Biology of the Cell, 2003, 14, 4486-4498.	0.9	84
128	Mitotic Exit Regulation through Distinct Domains within the Protein Kinase Cdc15. Molecular and Cellular Biology, 2003, 23, 5018-5030.	1.1	42
129	Polo Kinase: Meiotic Cell Cycle Coordinator. Cell Cycle, 2003, 2, 399-401.	1.3	15
130	Synchronization procedures. Methods in Enzymology, 2002, 351, 457-467.	0.4	48
131	Spo13 regulates cohesin cleavage. Genes and Development, 2002, 16, 1672-1681.	2.7	46
132	Separase, Polo Kinase, the Kinetochore Protein Slk19, and Spo12 Function in a Network that Controls Cdc14 Localization during Early Anaphase. Cell, 2002, 108, 207-220.	13.5	414
133	The BRCA1 suppressor hypothesis: An explanation for the tissue-specific tumor development in BRCA1 patients. Cancer Cell, 2002, 1, 129-132.	7.7	100
134	Control of Lte1 Localization by Cell Polarity Determinants and Cdc14. Current Biology, 2002, 12, 2098-2110.	1.8	76
135	Together until separin do us part. Nature Cell Biology, 2001, 3, E12-E14.	4.6	22
136	MEN and SIN: what's the difference?. Nature Reviews Molecular Cell Biology, 2001, 2, 815-826.	16.1	321
137	Meiosis: how to create a specialized cell cycle. Current Opinion in Cell Biology, 2001, 13, 770-777.	2.6	54
138	Regulation of the Mitotic Exit Protein Kinases Cdc15 and Dbf2. Molecular Biology of the Cell, 2001, 12, 2961-2974.	0.9	130
139	The nucleolus: the magicianâ€™s hat for cell cycle tricks. Current Opinion in Cell Biology, 2000, 12, 372-377.	2.6	149
140	A Mechanism for Coupling Exit from Mitosis to Partitioning of the Nucleus. Cell, 2000, 102, 21-31.	13.5	297
141	Meiosis: Rec8 is the reason for cohesion. Nature Cell Biology, 1999, 1, E125-E127.	4.6	27
142	Cfi1 prevents premature exit from mitosis by anchoring Cdc14 phosphatase in the nucleolus. Nature, 1999, 398, 818-823.	13.7	549
143	The spindle checkpoint. Current Opinion in Genetics and Development, 1999, 9, 69-75.	1.5	349
144	The regulation of Cdc20 proteolysis reveals a role for the APC components Cdc23 and Cdc27 during S phase and early mitosis. Current Biology, 1998, 8, 750-760.	1.8	211

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145	The Phosphatase Cdc14 Triggers Mitotic Exit by Reversal of Cdk-Dependent Phosphorylation. Molecular Cell, 1998, 2, 709-718.	4.5	706
146	Budding Yeast Cdc20: A Target of the Spindle Checkpoint. Science, 1998, 279, 1041-1044.	6.0	514
147	CDC20 and CDH1: A Family of Substrate-Specific Activators of APC-Dependent Proteolysis. Science, 1997, 278, 460-463.	6.0	796
148	Isolation of <i>COM1</i>, a New Gene Required to Complete Meiotic Double-Strand Break-Induced Recombination in <i>Saccharomyces cerevisiae</i>. Genetics, 1997, 146, 781-795.	1.2	210
149	Mother and Daughter Are Doing Fine: Asymmetric Cell Division in Yeast. Cell, 1996, 84, 651-654.	13.5	39
150	Mechanisms that help the yeast cell cycle clock tick: G2 cyclins transcriptionally activate G2 cyclins and repress G1 cyclins. Cell, 1993, 74, 993-1007.	13.5	356
151	Regulation of p34CDC28 tyrosine phosphorylation is not required for entry into mitosis in S. cerevisiae. Nature, 1992, 355, 368-371.	13.7	308