Matthias Altmeyer

List of Publications by Year
in descending order

64 papers	6,187 citations	109321 35 h-index	118850 62 g-index
70 all docs	70 docs citations	70 times ranked	8188 citing authors

#	Article	IF	Citations
1	ADPâ€ribosyltransferases, an update on function and nomenclature. FEBS Journal, 2022, 289, 7399-7410.	4.7	150
2	The CDK1-TOPBP1-PLK1 axis regulates the Bloomâ€™s syndrome helicase BLM to suppress crossover recombination in somatic cells. Science Advances, 2022, 8, eabk0221.	10.3	13
3	RNAi Screening Uncovers a Synthetic Sick Interaction between CtIP and the BARD1 Tumor Suppressor. Cells, 2022, 11, 643.	4.1	2
4	The Hammer and the Dance of Cell Cycle Control. Trends in Biochemical Sciences, 2021, 46, 301-314.	7.5	42
5	Mitochondrial NAD+ Controls Nuclear ARTD1-Induced ADP-Ribosylation. Molecular Cell, 2021, 81, 340-354.e5.	9.7	31
6	Combined inhibition of Aurora-A and ATR kinases results in regression of MYCN-amplified neuroblastoma. Nature Cancer, 2021, 2, 312-326.	13.2	50
7	Replicated chromatin curtails 53BP1 recruitment in BRCA1-proficient and BRCA1-deficient cells. Life Science Alliance, 2021, 4, e202101023.	2.8	14
8	RPA shields inherited DNA lesions for post-mitotic DNA synthesis. Nature Communications, 2021, 12, 3827.	12.8	16
9	TIRR inhibits the 53BP1-p53 complex to alter cell-fate programs. Molecular Cell, 2021, 81, 2583-2595.e6.	9.7	16
10	AHNAK controls 53BP1-mediated p53 response by restraining 53BP1 oligomerization and phase separation. Molecular Cell, 2021, 81, 2596-2610.e7.	9.7	37
11	Dealing with DNA lesions: When one cell cycle is not enough. Current Opinion in Cell Biology, 2021, 70, 27-36.	5.4	24
12	FAN1-MLH1 interaction affects repair of DNA interstrand cross-links and slipped-CAG/CTG repeats. Science Advances, 2021, 7, .	10.3	17
13	Biomolecular condensates at sites of DNA damage: More than just a phase. DNA Repair, 2021, 106, 103179.	2.8	51
14	When the RAP (80) fades out, you can hear BRCA1 RING. EMBO Reports, 2021, 22, e54116.	4.5	1
15	Activation of homologous recombination in G1 preserves centromeric integrity. Nature, 2021, 600, 748-753.	27.8	56
16	Ubiquitin Phosphorylation at Thr12 Modulates the DNA Damage Response. Molecular Cell, 2020, 80, 423-436.e9.	9.7	38
17	Sequential role of RAD51 paralog complexes in replication fork remodeling and restart. Nature Communications, 2020, 11, 3531.	12.8	63
18	CHD7 and 53BP1 regulate distinct pathways for the re-ligation of DNA double-strand breaks. Nature Communications, 2020, 11, 5775.	12.8	28

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19	The Ubiquitin Ligase TRIP12 Limits PARP1 Trapping and Constrains PARP Inhibitor Efficiency. Cell Reports, 2020, 32, 107985.	6.4	68
20	The ironâ€“sulfur helicase DDX11 promotes the generation of single-stranded DNA for CHK1 activation. Life Science Alliance, 2020, 3, e201900547.	2.8	15
21	Phase separation of 53 <scp>BP</scp> 1 determines liquidâ€like behavior of <scp>DNA</scp> repair compartments. EMBO Journal, 2019, 38, e101379.	7.8	294
22	Basal CHK1 activity safeguards its stability to maintain intrinsic S-phase checkpoint functions. Journal of Cell Biology, 2019, 218, 2865-2875.	5.2	29
23	Cells take a break when they are TIAR ed. EMBO Reports, 2019, 20, .	4.5	1
24	Efficient Pre-mRNA Cleavage Prevents Replication-Stress-Associated Genome Instability. Molecular Cell, 2019, 73, 670-683.e12.	9.7	62
25	Inherited DNA lesions determine G1 duration in the next cell cycle. Cell Cycle, 2018, 17, 24-32.	2.6	59
26	Chromatin modifiers Mdm2 and RNF2 prevent RNA:DNA hybrids that impair DNA replication. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11311-E11320.	7.1	44
27	CtIP-Mediated Fork Protection Synergizes with BRCA1 to Suppress Genomic Instability upon DNA Replication Stress. Molecular Cell, 2018, 72, 568-582.e6.	9.7	93
28	Analysis of PARP inhibitor toxicity by multidimensional fluorescence microscopy reveals mechanisms of sensitivity and resistance. Nature Communications, 2018, 9, 2678.	12.8	90
29	The memory remains. Aging, 2018, 10, 516-517.	3.1	0
30	Replication-Coupled Dilution of H4K20me2 Guides 53BP1 to Pre-replicative Chromatin. Cell Reports, 2017, 19, 1819-1831.	6.4	93
31	Impaired oxidative stress response characterizes HUWE1-promoted X-linked intellectual disability. Scientific Reports, 2017, 7, 15050.	3.3	21
32	Cell Cycle Resolved Measurements of Poly(ADP-Ribose) Formation and DNA Damage Signaling by Quantitative Image-Based Cytometry. Methods in Molecular Biology, 2017, 1608, 57-68.	0.9	6
33	Interplay between Ubiquitin, SUMO, and Poly(ADP-Ribose) in the Cellular Response to Genotoxic Stress. Frontiers in Genetics, 2016, 7, 63.	2.3	40
34	A Mechanism for Controlled Breakage of Under-replicated Chromosomes during Mitosis. Developmental Cell, 2016, 39, 740-755.	7.0	105
35	PKCÎ± and HMGB1 antagonistically control hydrogen peroxide-induced poly-ADP-ribose formation. Nucleic Acids Research, 2016, 44, 7630-7645.	14.5	15
36	Phase Separation: Linking Cellular Compartmentalization to Disease. Trends in Cell Biology, 2016, 26, 547-558.	7.9	291

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37	53BP1 fosters fidelity of homology-directed DNA repair. Nature Structural and Molecular Biology, 2016, 23, 714-721.	8.2	194
38	Readers of poly(ADP-ribose): designed to be fit for purpose. Nucleic Acids Research, 2016, 44, 993-1006.	14.5	198
39	A short G1 phase imposes constitutive replication stress and fork remodelling in mouse embryonic stem cells. Nature Communications, 2016, 7, 10660.	12.8	149
40	Identifying ADP-ribosylation targets by chemical genetics. Translational Cancer Research, 2016, 5, S1163-S1166.	1.0	1
41	A lnc <scp>RNA</scp> to repair <scp>DNA</scp>. EMBO Reports, 2015, 16, 1413-1414.	4.5	18
42	Liquid demixing of intrinsically disordered proteins is seeded by poly(ADP-ribose). Nature Communications, 2015, 6, 8088.	12.8	463
43	The NBS1â€"Treacle complex controls ribosomal RNA transcription in response to DNA damage. Nature Cell Biology, 2014, 16, 792-803.	10.3	127
44	ATR Prohibits Replication Catastrophe by Preventing Global Exhaustion of RPA. Cell, 2014, 156, 374.	28.9	12
45	To spread or not to spreadâ€"chromatin modifications in response to DNA damage. Current Opinion in Genetics and Development, 2013, 23, 156-165.	3.3	46
46	ATR Prohibits Replication Catastrophe by Preventing Global Exhaustion of RPA. Cell, 2013, 155, 1088-1103.	28.9	714
47	Proteome-wide Identification of Poly(ADP-Ribosyl)ation Targets in Different Genotoxic Stress Responses. Molecular Cell, 2013, 52, 272-285.	9.7	315
48	The Chromatin Scaffold Protein SAFB1 Renders Chromatin Permissive for DNA Damage Signaling. Molecular Cell, 2013, 52, 206-220.	9.7	57
49	Guarding against Collateral Damage during Chromatin Transactions. Cell, 2013, 153, 1431-1434.	28.9	13
50	Addicted to PAR?. Cell Cycle, 2012, 11, 3916-3916.	2.6	1
51	TRIP12 and UBR5 Suppress Spreading of Chromatin Ubiquitylation at Damaged Chromosomes. Cell, 2012, 150, 697-709.	28.9	282
52	Inhibition of ADP Ribosylation Prevents and Cures <i>Helicobacter</i>-Induced Gastric Preneoplasia. Cancer Research, 2010, 70, 5912-5922.	0.9	34
53	PARP1 ADP-ribosylates lysine residues of the core histone tails. Nucleic Acids Research, 2010, 38, 6350-6362.	14.5	226
54	Absence of Poly(ADP-Ribose) Polymerase 1 Delays the Onset of <i>Salmonella enterica</i> Serovar Typhimurium-Induced Gut Inflammation. Infection and Immunity, 2010, 78, 3420-3431.	2.2	29

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55	Poly(ADP-Ribose) Polymerase 1 Participates in the Phase Entrainment of Circadian Clocks to Feeding. Cell, 2010, 142, 943-953.	28.9	309
56	Sumoylation of poly(ADPâ€ribose) polymerase 1 inhibits its acetylation and restrains transcriptional coactivator function. FASEB Journal, 2009, 23, 3978-3989.	0.5	66
57	Molecular mechanism of poly(ADP-ribosyl)ation by PARP1 and identification of lysine residues as ADP-ribose acceptor sites. Nucleic Acids Research, 2009, 37, 3723-3738.	14.5	295
58	A macrodomain-containing histone rearranges chromatin upon sensing PARP1 activation. Nature Structural and Molecular Biology, 2009, 16, 923-929.	8.2	382
59	Poly(ADP-ribose) polymerase 1 at the crossroad of metabolic stress and inflammation in aging. Aging, 2009, 1, 458-469.	3.1	68
60	Importin alpha binding and nuclear localization of PARP-2 is dependent on lysine 36, which is located within a predicted classical NLS. BMC Cell Biology, 2008, 9, 39.	3.0	13
61	Identification of lysines 36 and 37 of PARP-2 as targets for acetylation and auto-ADP-ribosylation. International Journal of Biochemistry and Cell Biology, 2008, 40, 2274-2283.	2.8	56
62	Quantitative analysis of the binding affinity of poly(ADP-ribose) to specific binding proteins as a function of chain length. Nucleic Acids Research, 2007, 35, e143-e143.	14.5	133
63	Characterization of poly(ADP-ribose)â€"protein interactions using a novel microarray-based approach. Experimental Gerontology, 2007, 42, 141.	2.8	0
64	Quantitative analysis of PARP inhibitor toxicity by multidimensional fluorescence microscopy. Protocol Exchange, 0, , .	0.3	0