Niels Mailand

List of Publications by Year in Descending Order

66 papers	7,785 citations	40 h-index	71 g-index
71 ext. papers	8,961 ext. citations	17.6 avg, IF	5.8 L-index

#	Paper	IF	Citations
66	SCAI promotes error-free repair of DNA interstrand crosslinks via the Fanconi anemia pathway.. *EMBO Reports*, **2022**, e53639	6.5	1
65	K27-linked ubiquitylation promotes p97 substrate processing and is essential for cell proliferation.. *EMBO Journal*, **2022**, e110145	13	0
64	Proteome dynamics at broken replication forks reveal a distinct ATM-directed repair response suppressing DNA double-strand break ubiquitination. *Molecular Cell*, **2021**, 81, 1084-1099.e6	17.6	17
63	The ubiquitin ligase RFWD3 is required for translesion DNA synthesis. *Molecular Cell*, **2021**, 81, 442-458.e9	17.6	11
62	Ubiquitylation at Stressed Replication Forks: Mechanisms and Functions. *Trends in Cell Biology*, **2021**, 31, 584-597	18.3	3
61	Mechanism and function of DNA replication-independent DNA-protein crosslink repair via the SUMO-RNF4 pathway. *EMBO Journal*, **2021**, 40, e107413	13	4
60	Multisite SUMOylation restrains DNA polymerase interactions with DNA damage sites. *Journal of Biological Chemistry*, **2020**, 295, 8350-8362	5.4	8
59	FAM111 protease activity undermines cellular fitness and is amplified by gain-of-function mutations in human disease. *EMBO Reports*, **2020**, 21, e50662	6.5	9
58	GIGYF1/2-Driven Cooperation between ZNF598 and TTP in Posttranscriptional Regulation of Inflammatory Signaling. *Cell Reports*, **2019**, 26, 3511-3521.e4	10.6	24
57	SUMOylation promotes protective responses to DNA-protein crosslinks. *EMBO Journal*, **2019**, 38,	13	47
56	Regulation of ETAA1-mediated ATR activation couples DNA replication fidelity and genome stability. *Journal of Cell Biology*, **2019**, 218, 3943-3953	7.3	9
55	The p97-Ataxin 3 complex regulates homeostasis of the DNA damage response E3 ubiquitin ligase RNF8. *EMBO Journal*, **2019**, 38, e102361	13	18
54	TRAIP drives replisome disassembly and mitotic DNA repair synthesis at sites of incomplete DNA replication. *ELife*, **2019**, 8,	8.9	30
53	An unorthodox partnership in DNA repair pathway choice. *EMBO Reports*, **2019**, 20, e49105	6.5	2
52	DNA Repair Network Analysis Reveals Shieldin as a Key Regulator of NHEJ and PARP Inhibitor Sensitivity. *Cell*, **2018**, 173, 972-988.e23	56.2	213
51	ZUFSP Deubiquitylates K63-Linked Polyubiquitin Chains to Promote Genome Stability. *Molecular Cell*, **2018**, 70, 165-174.e6	17.6	52
50	p38-MK2 signaling axis regulates RNA metabolism after UV-light-induced DNA damage. *Nature Communications*, **2018**, 9, 1017	17.4	33

49	RADX interacts with single-stranded DNA to promote replication fork stability. *EMBO Reports*, **2017** , 18, 1991-2003	6.5	18
48	SCAI promotes DNA double-strand break repair in distinct chromosomal contexts. *Nature Cell Biology*, **2016**, 18, 1357-1366	23.4	22
47	H4K20me0 marks post-replicative chromatin and recruits the TONSL–MMS22L DNA repair complex. *Nature*, **2016**, 534, 714-718	50.4	120
46	TRAIP is a PCNA-binding ubiquitin ligase that protects genome stability after replication stress. *Journal of Cell Biology*, **2016**, 212, 63-75	7.3	49
45	TRAIP is a PCNA-binding ubiquitin ligase that protects genome stability after replication stress. *Journal of Experimental Medicine*, **2016**, 213, 2131OIA127	16.6	
44	Writers, Readers, and Erasers of Histone Ubiquitylation in DNA Double-Strand Break Repair. *Frontiers in Genetics*, **2016**, 7, 122	4.5	26
43	Regulation of DNA double-strand break repair by ubiquitin and ubiquitin-like modifiers. *Nature Reviews Molecular Cell Biology*, **2016**, 17, 379-94	48.7	207
42	Structural Analysis of a Complex between Small Ubiquitin-like Modifier 1 (SUMO1) and the ZZ Domain of CREB-binding Protein (CBP/p300) Reveals a New Interaction Surface on SUMO. *Journal of Biological Chemistry*, **2016**, 291, 12658-12672	5.4	16
41	Activation of the ATR kinase by the RPA-binding protein ETAA1. *Nature Cell Biology*, **2016**, 18, 1196-1207	23.4	137
40	DNA repair. Proteomics reveals dynamic assembly of repair complexes during bypass of DNA cross-links. *Science*, **2015**, 348, 1253671	33.3	116
39	Histone H1 couples initiation and amplification of ubiquitin signalling after DNA damage. *Nature*, **2015**, 527, 389-93	50.4	252
38	RNF138 joins the HR team. *Nature Cell Biology*, **2015**, 17, 1375-7	23.4	2
37	SUMO and ubiquitin-dependent XPC exchange drives nucleotide excision repair. *Nature Communications*, **2015**, 6, 7499	17.4	71
36	Proteome-wide analysis of SUMO2 targets in response to pathological DNA replication stress in human cells. *DNA Repair*, **2015**, 25, 84-96	4.3	28
35	Centriolar satellites: key mediators of centrosome functions. *Cellular and Molecular Life Sciences*, **2015**, 72, 11-23	10.3	73
34	Lamin A/C-dependent interaction with 53BP1 promotes cellular responses to DNA damage. *Aging Cell*, **2015**, 14, 162-9	9.9	43
33	Ubiquitin-like protein UBL5 promotes the functional integrity of the Fanconi anemia pathway. *EMBO Journal*, **2015**, 34, 1385-98	13	11
32	p38- and MK2-dependent signalling promotes stress-induced centriolar satellite remodelling via 14-3-3-dependent sequestration of CEP131/AZI1. *Nature Communications*, **2015**, 6, 10075	17.4	33

31	SLX4: not SIMply a nuclease scaffold?. *Molecular Cell*, **2015**, 57, 3-5	17.6	2
30	Ubiquitin-SUMO circuitry controls activated fanconi anemia ID complex dosage in response to DNA damage. *Molecular Cell*, **2015**, 57, 150-64	17.6	89
29	UBL5 is essential for pre-mRNA splicing and sister chromatid cohesion in human cells. *EMBO Reports*, **2014**, 15, 956-64	6.5	31
28	Molecular basis and regulation of OTULIN-LUBAC interaction. *Molecular Cell*, **2014**, 54, 335-48	17.6	128
27	Ago2 facilitates Rad51 recruitment and DNA double-strand break repair by homologous recombination. *Cell Research*, **2014**, 24, 532-41	24.7	132
26	ATR prohibits replication catastrophe by preventing global exhaustion of RPA. *Cell*, **2013**, 155, 1088-103	56.2	502
25	OTULIN restricts Met1-linked ubiquitination to control innate immune signaling. *Molecular Cell*, **2013**, 50, 818-830	17.6	157
24	Poly(ADP-ribosyl)ation links the chromatin remodeler SMARCA5/SNF2H to RNF168-dependent DNA damage signaling. *Journal of Cell Science*, **2013**, 126, 889-903	5.3	103
23	Regulation of PCNA-protein interactions for genome stability. *Nature Reviews Molecular Cell Biology*, **2013**, 14, 269-82	48.7	249
22	A new cellular stress response that triggers centriolar satellite reorganization and ciliogenesis. *EMBO Journal*, **2013**, 32, 3029-40	13	90
21	RNF111/Arkadia is a SUMO-targeted ubiquitin ligase that facilitates the DNA damage response. *Journal of Cell Biology*, **2013**, 201, 797-807	7.3	110
20	The deubiquitylating enzyme USP44 counteracts the DNA double-strand break response mediated by the RNF8 and RNF168 ubiquitin ligases. *Journal of Biological Chemistry*, **2013**, 288, 16579-16587	5.4	94
19	TRIP12 and UBR5 suppress spreading of chromatin ubiquitylation at damaged chromosomes. *Cell*, **2012**, 150, 697-709	56.2	224
18	RNF8 and RNF168 but not HERC2 are required for DNA damage-induced ubiquitylation in chicken DT40 cells. *DNA Repair*, **2012**, 11, 892-905	4.3	19
17	DVC1 (C1orf124) is a DNA damage-targeting p97 adaptor that promotes ubiquitin-dependent responses to replication blocks. *Nature Structural and Molecular Biology*, **2012**, 19, 1084-92	17.6	135
16	Human RNF169 is a negative regulator of the ubiquitin-dependent response to DNA double-strand breaks. *Journal of Cell Biology*, **2012**, 197, 189-99	7.3	93
15	Systems-wide analysis of ubiquitylation dynamics reveals a key role for PAF15 ubiquitylation in DNA-damage bypass. *Nature Cell Biology*, **2012**, 14, 1089-98	23.4	195
14	The ubiquitin ligase XIAP recruits LUBAC for NOD2 signaling in inflammation and innate immunity. *Molecular Cell*, **2012**, 46, 746-58	17.6	272

13	A new non-catalytic role for ubiquitin ligase RNF8 in unfolding higher-order chromatin structure. *EMBO Journal*, **2012**, 31, 2511-27	13	85
12	DNA damage-inducible SUMOylation of HERC2 promotes RNF8 binding via a novel SUMO-binding Zinc finger. *Journal of Cell Biology*, **2012**, 197, 179-87	7.3	93
11	The ubiquitin-selective segregase VCP/p97 orchestrates the response to DNA double-strand breaks. *Nature Cell Biology*, **2011**, 13, 1376-82	23.4	194
10	The ubiquitin- and SUMO-dependent signaling response to DNA double-strand breaks. *FEBS Letters*, **2011**, 585, 2914-9	3.8	92
9	Mass spectrometric analysis of lysine ubiquitylation reveals promiscuity at site level. *Molecular and Cellular Proteomics*, **2011**, 10, M110.003590	7.6	241
8	HERC2 coordinates ubiquitin-dependent assembly of DNA repair factors on damaged chromosomes. *Nature Cell Biology*, **2010**, 12, 80-6; sup pp 1-12	23.4	213
7	Assembly and function of DNA double-strand break repair foci in mammalian cells. *DNA Repair*, **2010**, 9, 1219-28	4.3	260
6	Nucleotide excision repair-induced H2A ubiquitination is dependent on MDC1 and RNF8 and reveals a universal DNA damage response. *Journal of Cell Biology*, **2009**, 186, 835-47	7.3	150
5	Human Fbh1 helicase contributes to genome maintenance via pro- and anti-recombinase activities. *Journal of Cell Biology*, **2009**, 186, 655-63	7.3	75
4	RNF168 binds and amplifies ubiquitin conjugates on damaged chromosomes to allow accumulation of repair proteins. *Cell*, **2009**, 136, 435-46	56.2	683
3	Phosphorylation of SDT repeats in the MDC1 N terminus triggers retention of NBS1 at the DNA damage-modified chromatin. *Journal of Cell Biology*, **2008**, 181, 213-26	7.3	178
2	RNF8 ubiquitylates histones at DNA double-strand breaks and promotes assembly of repair proteins. *Cell*, **2007**, 131, 887-900	56.2	914
1	Centrosome-associated Chk1 prevents premature activation of cyclin-B-Cdk1 kinase. *Nature Cell Biology*, **2004**, 6, 884-91	23.4	271