Simon Bekker-Jensen

List of Publications by Year
in descending order

65 papers	11,565 citations	46918 47 h-index	110170 64 g-index
66 all docs	66 docs citations	66 times ranked	13752 citing authors

#	Article	IF	Citations
1	RNF8 Ubiquitylates Histones at DNA Double-Strand Breaks and Promotes Assembly of Repair Proteins. Cell, 2007, 131, 887-900.	13.5	1,029
2	RNF168 Binds and Amplifies Ubiquitin Conjugates on Damaged Chromosomes to Allow Accumulation of Repair Proteins. Cell, 2009, 136, 435-446.	13.5	784
3	ATR Prohibits Replication Catastrophe by Preventing Global Exhaustion of RPA. Cell, 2013, 155, 1088-1103.	13.5	714
4	Chromatin relaxation in response to DNA double-strand breaks is modulated by a novel ATM- and KAP-1 dependent pathway. Nature Cell Biology, 2006, 8, 870-876.	4.6	651
5	53BP1 nuclear bodies form around DNA lesions generated by mitotic transmission of chromosomes under replication stress. Nature Cell Biology, 2011, 13, 243-253.	4.6	584
6	Spatial organization of the mammalian genome surveillance machinery in response to DNA strand breaks. Journal of Cell Biology, 2006, 173, 195-206.	2.3	564
7	Mdc1 couples DNA double-strand break recognition by Nbs1 with its H2AX-dependent chromatin retention. EMBO Journal, 2004, 23, 2674-2683.	3.5	356
8	The Ubiquitin Ligase XIAP Recruits LUBAC for NOD2 Signaling in Inflammation and Innate Immunity. Molecular Cell, 2012, 46, 746-758.	4.5	336
9	Histone H1 couples initiation and amplification of ubiquitin signalling after DNA damage. Nature, 2015, 527, 389-393.	13.7	317
10	Regulation of PCNAâ€“protein interactions for genome stability. Nature Reviews Molecular Cell Biology, 2013, 14, 269-282.	16.1	308
11	Assembly and function of DNA double-strand break repair foci in mammalian cells. DNA Repair, 2010, 9, 1219-1228.	1.3	288
12	Regulation of DNA double-strand break repair by ubiquitin and ubiquitin-like modifiers. Nature Reviews Molecular Cell Biology, 2016, 17, 379-394.	16.1	285
13	TRIP12 and UBR5 Suppress Spreading of Chromatin Ubiquitylation at Damaged Chromosomes. Cell, 2012, 150, 697-709.	13.5	282
14	Mass Spectrometric Analysis of Lysine Ubiquitylation Reveals Promiscuity at Site Level. Molecular and Cellular Proteomics, 2011, 10, M110.003590.	2.5	275
15	Dynamic assembly and sustained retention of 53BP1 at the sites of DNA damage are controlled by Mdc1/NFBD1. Journal of Cell Biology, 2005, 170, 201-211.	2.3	250
16	HERC2 coordinates ubiquitin-dependent assembly of DNA repair factors on damaged chromosomes. Nature Cell Biology, 2010, 12, 80-86.	4.6	239
17	Systems-wide analysis of ubiquitylation dynamics reveals a key role for PAF15 ubiquitylation in DNA-damage bypass. Nature Cell Biology, 2012, 14, 1089-1098.	4.6	234
18	Destruction of Claspin by SCFÎ²TrCP Restrains Chk1 Activation and Facilitates Recovery from Genotoxic Stress. Molecular Cell, 2006, 23, 307-318.	4.5	231

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19	OTULIN Restricts Met1-Linked Ubiquitination to Control Innate Immune Signaling. Molecular Cell, 2013, 50, 818-830.	4.5	209
20	Activation of the ATR kinase by the RPA-binding protein ETAA1. Nature Cell Biology, 2016, 18, 1196-1207.	4.6	208
21	Phosphorylation of SDT repeats in the MDC1 N terminus triggers retention of NBS1 at the DNA damageâ€“modified chromatin. Journal of Cell Biology, 2008, 181, 213-226.	2.3	197
22	Protein Aggregation Capture on Microparticles Enables Multipurpose Proteomics Sample Preparation*. Molecular and Cellular Proteomics, 2019, 18, 1027a-1035.	2.5	189
23	Proteomics reveals dynamic assembly of repair complexes during bypass of DNA cross-links. Science, 2015, 348, 1253671.	6.0	183
24	H4K20me0 marks post-replicative chromatin and recruits the TONSLâ€“MMS22L DNA repair complex. Nature, 2016, 534, 714-718.	13.7	172
25	Nucleotide excision repairâ€“induced H2A ubiquitination is dependent on MDC1 and RNF8 and reveals a universal DNA damage response. Journal of Cell Biology, 2009, 186, 835-847.	2.3	167
26	Claspin Operates Downstream of TopBP1 To Direct ATR Signaling towards Chk1 Activation. Molecular and Cellular Biology, 2006, 26, 6056-6064.	1.1	155
27	DVC1 (C1orf124) is a DNA damageâ€“targeting p97 adaptor that promotes ubiquitin-dependent responses to replication blocks. Nature Structural and Molecular Biology, 2012, 19, 1084-1092.	3.6	153
28	Diseaseâ€causing mutations in the <scp>XIAP</scp> <scp>BIR</scp> 2 domain impair <scp>NOD</scp> 2â€dependent immune signalling. EMBO Molecular Medicine, 2013, 5, 1278-1295.	3.3	137
29	RNF111/Arkadia is a SUMO-targeted ubiquitin ligase that facilitates the DNA damage response. Journal of Cell Biology, 2013, 201, 797-807.	2.3	129
30	Human RNF169 is a negative regulator of the ubiquitin-dependent response to DNA double-strand breaks. Journal of Cell Biology, 2012, 197, 189-199.	2.3	115
31	A new cellular stress response that triggers centriolar satellite reorganization and ciliogenesis. EMBO Journal, 2013, 32, 3029-3040.	3.5	115
32	USP7 counteracts SCFÎ²TrCP- but not APCCdh1-mediated proteolysis of Claspin. Journal of Cell Biology, 2009, 184, 13-19.	2.3	109
33	DNA damageâ€“inducible SUMOylation of HERC2 promotes RNF8 binding via a novel SUMO-binding Zinc finger. Journal of Cell Biology, 2012, 197, 179-187.	2.3	109
34	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.	1.6	106
35	Ubiquitin-SUMO Circuitry Controls Activated Fanconi Anemia ID Complex Dosage in Response to DNA Damage. Molecular Cell, 2015, 57, 150-164.	4.5	106
36	The ubiquitinâ€•and SUMOâ€dependent signaling response to DNA doubleâ€strand breaks. FEBS Letters, 2011, 585, 2914-2919.	1.3	97

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37	A new non-catalytic role for ubiquitin ligase RNF8 in unfolding higher-order chromatin structure. EMBO Journal, 2012, 31, 2511-2527.	3.5	94
38	Centriolar satellites: key mediators of centrosome functions. Cellular and Molecular Life Sciences, 2015, 72, 11-23.	2.4	92
39	ZAKÎ± Recognizes Stalled Ribosomes through Partially Redundant Sensor Domains. Molecular Cell, 2020, 78, 700-713.e7.	4.5	90
40	Mislocalization of the MRN complex prevents ATR signaling during adenovirus infection. EMBO Journal, 2009, 28, 652-662.	3.5	87
41	Ribosomal stress-surveillance: three pathways is a magic number. Nucleic Acids Research, 2020, 48, 10648-10661.	6.5	82
42	Human Xip1 (C2orf13) Is a Novel Regulator of Cellular Responses to DNA Strand Breaks. Journal of Biological Chemistry, 2007, 282, 19638-19643.	1.6	68
43	TRAIP is a PCNA-binding ubiquitin ligase that protects genome stability after replication stress. Journal of Cell Biology, 2016, 212, 63-75.	2.3	65
44	Renal-Retinal Ciliopathy Gene Sdccag8 Regulates DNA Damage Response Signaling. Journal of the American Society of Nephrology: JASN, 2014, 25, 2573-2583.	3.0	63
45	p38-MK2 signaling axis regulates RNA metabolism after UV-light-induced DNA damage. Nature Communications, 2018, 9, 1017.	5.8	61
46	Selective autophagy maintains centrosome integrity and accurate mitosis by turnover of centriolar satellites. Nature Communications, 2019, 10, 4176.	5.8	61
47	Lamin A/C-dependent interaction with 53BP1 promotes cellular responses to DNA damage. Aging Cell, 2015, 14, 162-169.	3.0	58
48	GIGYF1/2-Driven Cooperation between ZNF598 and TTP in Posttranscriptional Regulation of Inflammatory Signaling. Cell Reports, 2019, 26, 3511-3521.e4.	2.9	44
49	UBL5 is essential for preâ€‹<scp>mRNA</scp> splicing and sister chromatid cohesion in human cells. EMBO Reports, 2014, 15, 956-964.	2.0	41
50	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.	5.8	40
51	Spatial-proteomics reveals phospho-signaling dynamics at subcellular resolution. Nature Communications, 2021, 12, 7113.	5.8	38
52	SCAI promotes DNA double-strand break repair in distinct chromosomal contexts. Nature Cell Biology, 2016, 18, 1357-1366.	4.6	32
53	Proteome-wide analysis of SUMO2 targets in response to pathological DNA replication stress in human cells. DNA Repair, 2015, 25, 84-96.	1.3	30
54	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.	1.6	23

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55	RNF8 and RNF168 but not HERC2 are required for DNA damage-induced ubiquitylation in chicken DT40 cells. DNA Repair, 2012, 11, 892-905.	1.3	22
56	Alternative Translation Initiation Generates a Functionally Distinct Isoform of the Stress-Activated Protein Kinase MK2. Cell Reports, 2019, 27, 2859-2870.e6.	2.9	22
57	SDCCAG8 Interacts with RAB Effector Proteins RABEP2 and ERC1 and Is Required for Hedgehog Signaling. PLoS ONE, 2016, 11, e0156081.	1.1	19
58	Ubiquitinâ€like protein <scp>UBL</scp> 5 promotes the functional integrity of the Fanconi anemia pathway. EMBO Journal, 2015, 34, 1385-1398.	3.5	16
59	Histone Displacement during Nucleotide Excision Repair. International Journal of Molecular Sciences, 2012, 13, 13322-13337.	1.8	9
60	RNF138 joins the HR team. Nature Cell Biology, 2015, 17, 1375-1377.	4.6	7
61	Regulation of the Golgi Apparatus by p38 and JNK Kinases during Cellular Stress Responses. International Journal of Molecular Sciences, 2021, 22, 9595.	1.8	6
62	Osmotic Stress Blocks Mobility and Dynamic Regulation of Centriolar Satellites. Cells, 2018, 7, 65.	1.8	5
63	Meeting Report: Aging Research and Drug Discovery. Aging, 2022, 14, 530-543.	1.4	4
64	Ubiquitin and the DNA damage response. Cell Cycle, 2012, 11, 3153-3153.	1.3	3
65	1 Ubiquitylation of histones at sites of DNA damage. Apmis, 2008, 116, 418-419.	0.9	0