

# Martijn S Luijsterburg

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

4,153  
citations

109137

35  
h-index

128067

60  
g-index

67  
all docs

67  
docs citations

67  
times ranked

5323  
citing authors

#	ARTICLE	IF	CITATIONS
1	VolcanoR is a web app for creating, exploring, labeling and sharing volcano plots. Scientific Reports, 2020, 10, 20560.	1.6	301
2	The AAA-ATPase VCP/p97 promotes 53BP1 recruitment by removing L3MBTL1 from DNA double-strand breaks. Nature Structural and Molecular Biology, 2011, 18, 1345-1350.	3.6	242
3	Heterochromatin protein 1 is recruited to various types of DNA damage. Journal of Cell Biology, 2009, 185, 577-586.	2.3	228
4	PARP1 Links CHD2-Mediated Chromatin Expansion and H3.3 Deposition to DNA Repair by Non-homologous End-Joining. Molecular Cell, 2016, 61, 547-562.	4.5	214
5	PARP1 promotes nucleotide excision repair through DDB2 stabilization and recruitment of ALC1. Journal of Cell Biology, 2012, 199, 235-249.	2.3	197
6	The Major Architects of Chromatin: Architectural Proteins in Bacteria, Archaea and Eukaryotes. Critical Reviews in Biochemistry and Molecular Biology, 2008, 43, 393-418.	2.3	194
7	DNA Bridging: a Property Shared among H-NS-Like Proteins. Journal of Bacteriology, 2005, 187, 1845-1848.	1.0	133
8	DDB2 promotes chromatin decondensation at UV-induced DNA damage. Journal of Cell Biology, 2012, 197, 267-281.	2.3	132
9	Ubiquitination of DNA Damage-Stalled RNAPII Promotes Transcription-Coupled Repair. Cell, 2020, 180, 1228-1244.e24.	13.5	132
10	Stochastic and reversible assembly of a multiprotein DNA repair complex ensures accurate target site recognition and efficient repair. Journal of Cell Biology, 2010, 189, 445-463.	2.3	114
11	Poly(ADP-ribosyl)ation links the chromatin remodeler SMARCA5/SNF2H to RNF168-dependent DNA damage signaling. Journal of Cell Science, 2013, 126, 889-903.	1.2	113
12	Versatile DNA damage detection by the global genome nucleotide excision repair protein XPC. Journal of Cell Science, 2008, 121, 2850-2859.	1.2	109
13	Chromatin and the DNA damage response: The cancer connection. Molecular Oncology, 2011, 5, 349-367.	2.1	107
14	The Emerging Role of HP1 in the DNA Damage Response. Molecular and Cellular Biology, 2009, 29, 6335-6340.	1.1	104
15	ZMYND8 Co-localizes with NuRD on Target Genes and Regulates Poly(ADP-Ribose)-Dependent Recruitment of GATAD2A/NuRD to Sites of DNA Damage. Cell Reports, 2016, 17, 783-798.	2.9	100
16	Dynamic in vivo interaction of DDB2 E3 ubiquitin ligase with UV-damaged DNA is independent of damage-recognition protein XPC. Journal of Cell Science, 2007, 120, 2706-2716.	1.2	95
17	A new non-catalytic role for ubiquitin ligase RNF8 in unfolding higher-order chromatin structure. EMBO Journal, 2012, 31, 2511-2527.	3.5	94
18	The cooperative action of CSB, CSA, and UVSSA target TFIIH to DNA damage-stalled RNA polymerase II. Nature Communications, 2020, 11, 2104.	5.8	91

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19	Recruitment of the Nucleotide Excision Repair Endonuclease XPG to Sites of UV-Induced DNA Damage Depends on Functional TFIIH. <i>Molecular and Cellular Biology</i> , 2006, 26, 8868-8879.	1.1	88
20	WWP2 ubiquitylates RNA polymerase II for DNA-PK-dependent transcription arrest and repair at DNA breaks. <i>Genes and Development</i> , 2019, 33, 684-704.	2.7	71
21	Recognition of DNA damage by XPC coincides with disruption of the XPCâ€“RAD23 complex. <i>Journal of Cell Biology</i> , 2012, 196, 681-688.	2.3	65
22	Opposing ISWI- and CHD-class chromatin remodeling activities orchestrate heterochromatic DNA repair. <i>Journal of Cell Biology</i> , 2014, 207, 717-733.	2.3	65
23	A PALB2-interacting domain in RNF168 couples homologous recombination to DNA break-induced chromatin ubiquitylation. <i>ELife</i> , 2017, 6, .	2.8	65
24	The de-ubiquitylating enzymes USP26 and USP37 regulate homologous recombination by counteracting RAP80. <i>Nucleic Acids Research</i> , 2015, 43, 6919-6933.	6.5	64
25	Ataxinâ€“3 consolidates the <sc>MDC</sc>1â€“dependent <sc>DNA</sc> doubleâ€“strand break response by counteracting the <sc>SUMO</sc>-targeted ubiquitin ligase <sc>RNF</sc>4. <i>EMBO Journal</i> , 2017, 36, 1066-1083.	3.5	60
26	<sc>SUMO</sc>ylation and <sc>PAR</sc>ylation cooperate to recruit and stabilize <sc>SLX</sc>4 at <sc>DNA</sc> damage sites. <i>EMBO Reports</i> , 2015, 16, 512-519.	2.0	51
27	Remodeling and spacing factor 1 (RSF1) deposits centromere proteins at DNA double-strand breaks to promote non-homologous end-joining. <i>Cell Cycle</i> , 2013, 12, 3070-3082.	1.3	50
28	Structural Basis of BRCC36 Function in DNA Repair and Immune Regulation. <i>Molecular Cell</i> , 2019, 75, 483-497.e9.	4.5	50
29	Transcription-Coupled DNA Repair: From Mechanism to Human Disorder. <i>Trends in Cell Biology</i> , 2021, 31, 359-371.	3.6	49
30	DNA double-strand breaks are not sufficient to initiate recruitment of TRF2. <i>Nature Genetics</i> , 2007, 39, 696-698.	9.4	48
31	Touching base with PARPs: moonlighting in the repair of UV lesions and double-strand breaks. <i>Trends in Biochemical Sciences</i> , 2013, 38, 321-330.	3.7	45
32	The CHD6 chromatin remodeler is an oxidative DNA damage response factor. <i>Nature Communications</i> , 2019, 10, 241.	5.8	45
33	Assembly of multiprotein complexes that control genome function. <i>Journal of Cell Biology</i> , 2009, 185, 21-26.	2.3	41
34	Should I stay or should I go: VCP/p97-mediated chromatin extraction in the DNA damage response. <i>Experimental Cell Research</i> , 2014, 329, 9-17.	1.2	41
35	The Epsteinâ€“Barr virus nuclear antigen-1 reprograms transcription by mimicry of high mobility group A proteins. <i>Nucleic Acids Research</i> , 2013, 41, 2950-2962.	6.5	40
36	ELOF1 is a transcription-coupled DNA repair factor that directs RNA polymerase II ubiquitylation. <i>Nature Cell Biology</i> , 2021, 23, 595-607.	4.6	38

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37	Spatial organization of nucleotide excision repair proteins after UV-induced DNA damage in the human cell nucleus. <i>Journal of Cell Science</i> , 2009, 122, 83-91.	1.2	35
38	Cellular Concentrations of DDB2 Regulate Dynamic Binding of DDB1 at UV-Induced DNA Damage. <i>Molecular and Cellular Biology</i> , 2008, 28, 7402-7413.	1.1	33
39	Analysis of scanning force microscopy images of protein-induced DNA bending using simulations. <i>Nucleic Acids Research</i> , 2005, 33, e68-e68.	6.5	32
40	Antisense oligonucleotide-mediated exon skipping as a strategy to reduce proteolytic cleavage of ataxin-3. <i>Scientific Reports</i> , 2016, 6, 35200.	1.6	31
41	A CSB-PAF1C axis restores processive transcription elongation after DNA damage repair. <i>Nature Communications</i> , 2021, 12, 1342.	5.8	31
42	Close encounters of the RNF8th kind: when chromatin meets DNA repair. <i>Current Opinion in Cell Biology</i> , 2012, 24, 439-447.	2.6	29
43	CHD7 and 53BP1 regulate distinct pathways for the re-ligation of DNA double-strand breaks. <i>Nature Communications</i> , 2020, 11, 5775.	5.8	28
44	TRiC controls transcription resumption after UV damage by regulating Cockayne syndrome protein A. <i>Nature Communications</i> , 2018, 9, 1040.	5.8	27
45	Loss of ZBTB24 impairs nonhomologous end-joining and class-switch recombination in patients with ICF syndrome. <i>Journal of Experimental Medicine</i> , 2020, 217, .	4.2	27
46	Aging and drug discovery. <i>Aging</i> , 2018, 10, 3079-3088.	1.4	25
47	Dealing with transcription-blocking DNA damage: Repair mechanisms, RNA polymerase II processing and human disorders. <i>DNA Repair</i> , 2021, 106, 103192.	1.3	25
48	Nucleotide excision repair leaves a mark on chromatin: DNA damage detection in nucleosomes. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 7925-7942.	2.4	20
49	<i>ERCC1</i> mutations impede DNA damage repair and cause liver and kidney dysfunction in patients. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	18
50	ZMYM2 restricts 53BP1 at DNA double-strand breaks to favor BRCA1 loading and homologous recombination. <i>Nucleic Acids Research</i> , 2022, 50, 3922-3943.	6.5	16
51	A Role for MeCP2 in Switching Gene Activity via Chromatin Unfolding and HP1 <sup>3</sup> Displacement. <i>PLoS ONE</i> , 2013, 8, e69347.	1.1	13
52	Functional Analysis of Missense Variants in the Putative Breast Cancer Susceptibility Gene <i>XRCC2</i> . <i>Human Mutation</i> , 2016, 37, 914-925.	1.1	12
53	SCAI promotes error-free repair of DNA interstrand crosslinks via the Fanconi anemia pathway. <i>EMBO Reports</i> , 2022, 23, e53639.	2.0	12
54	Transcription-coupled nucleotide excision repair is coordinated by ubiquitin and SUMO in response to ultraviolet irradiation. <i>Nucleic Acids Research</i> , 2020, 48, 231-248.	6.5	10

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55	Poly(ADP-ribosyl)ation temporally confines SUMO-dependent ataxin-3 recruitment to control DNA double-strand break repair. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	8
56	Human HMGN1 and HMGN2 are not required for transcription-coupled DNA repair. <i>Scientific Reports</i> , 2020, 10, 4332.	1.6	6
57	HI-NESS: a family of genetically encoded DNA labels based on a bacterial nucleoid-associated protein. <i>Nucleic Acids Research</i> , 2022, 50, e10-e10.	6.5	4
58	Differential binding kinetics of replication protein A during replication and the pre- and post-incision steps of nucleotide excision repair. <i>DNA Repair</i> , 2014, 24, 46-56.	1.3	3