Robin van Schendel

List of Publications by Year in descending order

25 papers	1,332 citations	623734 14 h-index	713466 21 g-index
27 all docs	27 docs citations	27 times ranked	1655 citing authors

#	Article	IF	Citations
1	A Polymerase Theta-dependent repair pathway suppresses extensive genomic instability at endogenous G4 DNA sites. Nature Communications, 2014, 5, 3216.	12.8	179
2	Histone H3K9 methylation is dispensable for Caenorhabditis elegans development but suppresses RNA:DNA hybrid-associated repeat instability. Nature Genetics, 2016, 48, 1385-1395.	21.4	173
3	Polymerase theta-mediated end joining of replication-associated DNA breaks in C. elegans. Genome Research, 2014, 24, 954-962.	5.5	137
4	T-DNA integration in plants results from polymerase-Î¸-mediated DNA repair. Nature Plants, 2016, 2, 16164.	9.3	118
5	Mutational signatures of nonâ€homologous and polymerase thetaâ€mediated endâ€joining in embryonic stem cells. EMBO Journal, 2017, 36, 3634-3649.	7.8	109
6	Templated Insertions: A Smoking Gun for Polymerase Theta-Mediated End Joining. Trends in Genetics, 2019, 35, 632-644.	6.7	103
7	Mutagenic consequences of a single G-quadruplex demonstrate mitotic inheritance of DNA replication fork barriers. Nature Communications, 2015, 6, 8909.	12.8	102
8	Polymerase Î˜ is a key driver of genome evolution and of CRISPR/Cas9-mediated mutagenesis. Nature Communications, 2015, 6, 7394.	12.8	87
9	CRISPR-Cas9 induces large structural variants at on-target and off-target sites in vivo that segregate across generations. Nature Communications, 2022, 13, 627.	12.8	65
10	Genomic Scars Generated by Polymerase Theta Reveal the Versatile Mechanism of Alternative End-Joining. PLoS Genetics, 2016, 12, e1006368.	3.5	53
11	BRCA1-associated structural variations are a consequence of polymerase theta-mediated end-joining. Nature Communications, 2020, 11, 3615.	12.8	39
12	High density of <scp>REC</scp>8 constrains sister chromatid axes and prevents illegitimate synaptonemal complex formation. EMBO Reports, 2016, 17, 901-913.	4.5	37
13	Small tandem DNA duplications result from CST-guided Pol Î±-primase action at DNA break termini. Nature Communications, 2021, 12, 4843.	12.8	27
14	Distinct mechanisms for genomic attachment of the 5â€² and 3â€² ends of Agrobacterium T-DNA in plants. Nature Plants, 2022, 8, 526-534.	9.3	17
15	Preservation of lagging strand integrity at sites of stalled replication by Pol Î±-primase and 9-1-1 complex. Science Advances, 2021, 7, .	10.3	16
16	Helicase Q promotes homology-driven DNA double-strand break repair and prevents tandem duplications. Nature Communications, 2021, 12, 7126.	12.8	16
17	Microhomology-Mediated Intron Loss during Metazoan Evolution. Genome Biology and Evolution, 2013, 5, 1212-1219.	2.5	15
18	Gene targeting in polymerase thetaâ€deficient Arabidopsis thaliana. Plant Journal, 2022, 109, 112-125.	5.7	13

#	Article	IF	Citations
19	Translesion synthesis polymerases are dispensable for C. elegans reproduction but suppress genome scarring by polymerase theta-mediated end joining. PLoS Genetics, 2020, 16, e1008759.	3.5	12
20	High-resolution breakpoint junction mapping of proximally extended D4Z4 deletions in FSHD1 reveals evidence for a founder effect. Human Molecular Genetics, 2022, 31, 748-760.	2.9	8
21	THO complex deficiency impairs DNA double-strand break repair via the RNA surveillance kinase SMG-1. Nucleic Acids Research, 2022, 50, 6235-6250.	14.5	5
22	Title is missing!. , 2020, 16, e1008759.		0
23	Title is missing!. , 2020, 16, e1008759.		0
24	Title is missing!. , 2020, 16, e1008759.		0
25	Title is missing!. , 2020, 16, e1008759.		0