

Robin van Schendel

List of Publications by Year in descending order

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Version: 2024-02-01

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	High-resolution breakpoint junction mapping of proximally extended D4Z4 deletions in FSHD1 reveals evidence for a founder effect. <i>Human Molecular Genetics</i> , 2022, 31, 748-760.	2.9	8
2	Gene targeting in polymerase theta-deficient <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2022, 109, 112-125.	5.7	13
3	CRISPR-Cas9 induces large structural variants at on-target and off-target sites in vivo that segregate across generations. <i>Nature Communications</i> , 2022, 13, 627.	12.8	65
4	Distinct mechanisms for genomic attachment of the 5' and 3' ends of <i>Agrobacterium</i> T-DNA in plants. <i>Nature Plants</i> , 2022, 8, 526-534.	9.3	17
5	THO complex deficiency impairs DNA double-strand break repair via the RNA surveillance kinase SMG-1. <i>Nucleic Acids Research</i> , 2022, 50, 6235-6250.	14.5	5
6	Preservation of lagging strand integrity at sites of stalled replication by Pol δ -primase and 9-1-1 complex. <i>Science Advances</i> , 2021, 7, .	10.3	16
7	Small tandem DNA duplications result from CST-guided Pol δ -primase action at DNA break termini. <i>Nature Communications</i> , 2021, 12, 4843.	12.8	27
8	Helicase Q promotes homology-driven DNA double-strand break repair and prevents tandem duplications. <i>Nature Communications</i> , 2021, 12, 7126.	12.8	16
9	BRCA1-associated structural variations are a consequence of polymerase theta-mediated end-joining. <i>Nature Communications</i> , 2020, 11, 3615.	12.8	39
10	Translesion synthesis polymerases are dispensable for <i>C. elegans</i> reproduction but suppress genome scarring by polymerase theta-mediated end joining. <i>PLoS Genetics</i> , 2020, 16, e1008759.	3.5	12
11	Title is missing!. , 2020, 16, e1008759.		0
12	Title is missing!. , 2020, 16, e1008759.		0
13	Title is missing!. , 2020, 16, e1008759.		0
14	Title is missing!. , 2020, 16, e1008759.		0
15	Templated Insertions: A Smoking Gun for Polymerase Theta-Mediated End Joining. <i>Trends in Genetics</i> , 2019, 35, 632-644.	6.7	103
16	Mutational signatures of non-homologous and polymerase theta-mediated end-joining in embryonic stem cells. <i>EMBO Journal</i> , 2017, 36, 3634-3649.	7.8	109
17	High density of γ -H2A constrains sister chromatid axes and prevents illegitimate synaptonemal complex formation. <i>EMBO Reports</i> , 2016, 17, 901-913.	4.5	37
18	Histone H3K9 methylation is dispensable for <i>Caenorhabditis elegans</i> development but suppresses RNA:DNA hybrid-associated repeat instability. <i>Nature Genetics</i> , 2016, 48, 1385-1395.	21.4	173

#	ARTICLE	IF	CITATIONS
19	T-DNA integration in plants results from polymerase- $\hat{\Gamma}$ -mediated DNA repair. <i>Nature Plants</i> , 2016, 2, 16164.	9.3	118
20	Genomic Scars Generated by Polymerase Theta Reveal the Versatile Mechanism of Alternative End-Joining. <i>PLoS Genetics</i> , 2016, 12, e1006368.	3.5	53
21	Mutagenic consequences of a single G-quadruplex demonstrate mitotic inheritance of DNA replication fork barriers. <i>Nature Communications</i> , 2015, 6, 8909.	12.8	102
22	Polymerase $\hat{\Gamma}$ is a key driver of genome evolution and of CRISPR/Cas9-mediated mutagenesis. <i>Nature Communications</i> , 2015, 6, 7394.	12.8	87
23	A Polymerase Theta-dependent repair pathway suppresses extensive genomic instability at endogenous G4 DNA sites. <i>Nature Communications</i> , 2014, 5, 3216.	12.8	179
24	Polymerase theta-mediated end joining of replication-associated DNA breaks in <i>C. elegans</i> . <i>Genome Research</i> , 2014, 24, 954-962.	5.5	137
25	Microhomology-Mediated Intron Loss during Metazoan Evolution. <i>Genome Biology and Evolution</i> , 2013, 5, 1212-1219.	2.5	15