

Niels de Wind

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,892
citations

361413

20
h-index

302126

39
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44
all docs

44
docs citations

44
times ranked

2325
citing authors

#	ARTICLE	IF	CITATIONS
1	Inactivation of the mouse Msh2 gene results in mismatch repair deficiency, methylation tolerance, hyperrecombination, and predisposition to cancer. <i>Cell</i> , 1995, 82, 321-330.	28.9	777
2	HNPCC-like cancer predisposition in mice through simultaneous loss of Msh3 and Msh6 mismatch-repair protein functions. <i>Nature Genetics</i> , 1999, 23, 359-362.	21.4	199
3	De novo mutations in PLXND1 and REV3L cause MÃ¶bius syndrome. <i>Nature Communications</i> , 2015, 6, 7199.	12.8	76
4	A cell-free assay for the functional analysis of variants of the mismatch repair protein MLH1. <i>Human Mutation</i> , 2010, 31, 247-253.	2.5	56
5	Maternal Aldehyde Elimination during Pregnancy Preserves the Fetal Genome. <i>Molecular Cell</i> , 2014, 55, 807-817.	9.7	55
6	Comprehensive Mutation Analysis of PMS2 in a Large Cohort of Proband Suspected of Lynch Syndrome or Constitutional Mismatch Repair Deficiency Syndrome. <i>Human Mutation</i> , 2016, 37, 1162-1179.	2.5	50
7	Adjuvant Treatment for POLE Proofreading Domain Mutant Cancers: Sensitivity to Radiotherapy, Chemotherapy, and Nucleoside Analogues. <i>Clinical Cancer Research</i> , 2018, 24, 3197-3203.	7.0	50
8	A rapid and cell-free assay to test the activity of lynch syndrome-associated MSH2 and MSH6 missense variants. <i>Human Mutation</i> , 2012, 33, 488-494.	2.5	46
9	DNA mismatch repair-dependent DNA damage responses and cancer. <i>DNA Repair</i> , 2020, 93, 102923.	2.8	43
10	Roles of PCNA ubiquitination and TLS polymerases η and θ in the bypass of methyl methanesulfonate-induced DNA damage. <i>Nucleic Acids Research</i> , 2015, 43, 282-294.	14.5	41
11	FANCD2 and REV1 cooperate in the protection of nascent DNA strands in response to replication stress. <i>Nucleic Acids Research</i> , 2015, 43, 8325-8339.	14.5	38
12	Temporally distinct translesion synthesis pathways for ultraviolet light-induced photoproducts in the mammalian genome. <i>DNA Repair</i> , 2012, 11, 550-558.	2.8	37
13	A functional assay-based procedure to classify mismatch repair gene variants in Lynch syndrome. <i>Genetics in Medicine</i> , 2019, 21, 1486-1496.	2.4	36
14	Roles of mutagenic translesion synthesis in mammalian genome stability, health and disease. <i>DNA Repair</i> , 2015, 29, 56-64.	2.8	33
15	Redundancy of mammalian Y family DNA polymerases in cellular responses to genomic DNA lesions induced by ultraviolet light. <i>Nucleic Acids Research</i> , 2014, 42, 11071-11082.	14.5	30
16	Genomic and functional integrity of the hematopoietic system requires tolerance of oxidative DNA lesions. <i>Blood</i> , 2017, 130, 1523-1534.	1.4	29
17	Biological functions of translesion synthesis proteins in vertebrates. <i>DNA Repair</i> , 2003, 2, 1075-1085.	2.8	27
18	Gene transcription increases DNA damage-induced mutagenesis in mammalian stem cells. <i>DNA Repair</i> , 2008, 7, 1330-1339.	2.8	26

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19	Two Distinct Translesion Synthesis Pathways across a Lipid Peroxidation-derived DNA Adduct in Mammalian Cells. <i>Journal of Biological Chemistry</i> , 2009, 284, 191-198.	3.4	26
20	Inactivation of DNA Mismatch Repair by Variants of Uncertain Significance in the <i>PMS2</i> Gene. <i>Human Mutation</i> , 2013, 34, 1477-1480.	2.5	26
21	Genetic screens to identify pathogenic gene variants in the common cancer predisposition Lynch syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 9403-9408.	7.1	21
22	DNA mismatch repair mediates protection from mutagenesis induced by short-wave ultraviolet light. <i>DNA Repair</i> , 2006, 5, 1364-1372.	2.8	19
23	Contribution of mRNA Splicing to Mismatch Repair Gene Sequence Variant Interpretation. <i>Frontiers in Genetics</i> , 2020, 11, 798.	2.3	19
24	Rev1 contributes to proper mitochondrial function via the PARP-NAD ⁺ -SIRT1-PGC1 β axis. <i>Scientific Reports</i> , 2017, 7, 12480.	3.3	17
25	Spontaneous and mutagen-induced loss of DNA mismatch repair in Msh2-heterozygous mammalian cells. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2005, 574, 50-57.	1.0	16
26	Excision of translesion synthesis errors orchestrates responses to helix-distorting DNA lesions. <i>Journal of Cell Biology</i> , 2015, 209, 33-46.	5.2	16
27	Two integrated and highly predictive functional analysis-based procedures for the classification of MSH6 variants in Lynch syndrome. <i>Genetics in Medicine</i> , 2020, 22, 847-856.	2.4	16
28	Consequences of germline variation disrupting the constitutional translational initiation codon start sites of <i>MLH1</i> and <i>BRCA2</i> : Use of potential alternative start sites and implications for predicting variant pathogenicity. <i>Molecular Carcinogenesis</i> , 2015, 54, 513-522.	2.7	14
29	Digenic inheritance of <i>MSH6</i> and <i>MUTYH</i> variants in familial colorectal cancer. <i>Genes Chromosomes and Cancer</i> , 2020, 59, 697-701.	2.8	9
30	Transcription and replication: Far relatives make uneasy bedfellows. <i>Cell Cycle</i> , 2010, 9, 2300-2304.	2.6	8
31	Effect of sequence context on Pol η -dependent error-prone extension past (6-4) photoproducts. <i>DNA Repair</i> , 2020, 87, 102771.	2.8	7
32	Transcription-coupled repair and apoptosis provide specific protection against transcription-associated mutagenesis by ultraviolet light. <i>Transcription</i> , 2010, 1, 95-98.	3.1	6
33	Functional interactions between DNA damage signaling and mutagenic translesion synthesis at post-replicative gaps. <i>Cell Cycle</i> , 2009, 8, 2857-2858.	2.6	4
34	CNOT6: A Novel Regulator of DNA Mismatch Repair. <i>Cells</i> , 2022, 11, 521.	4.1	4
35	DNA mismatch repair: from biophysics to bedside. <i>DNA Repair</i> , 2016, 38, 1-2.	2.8	3
36	OUP accepted manuscript. <i>Carcinogenesis</i> , 2021, , .	2.8	3

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37	Rev1 deficiency induces replication stress to cause metabolic dysfunction differently in males and females. American Journal of Physiology - Endocrinology and Metabolism, 2022, 322, E319-E329.	3.5	2
38	Predictive functional assay-based classification of PMS2 variants in Lynch syndrome. Human Mutation, 2022, , .	2.5	1
39	In memory of John Bruce Hays (1937-2014). DNA Repair, 2014, 16, vi-vii.	2.8	0
40	When mismatch repair met translesion synthesis. Cell Cycle, 2015, 14, 2377-2378.	2.6	0
41	Mutagenic replication: target for tumor therapy?. Cell Research, 2019, 29, 783-784.	12.0	0
42	Post-translesion synthesis repair. Oncotarget, 2015, 6, 19342-19343.	1.8	0