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List of Publications by Year
in descending order

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38 papers	4,349 citations	201385 27 h-index	315357 38 g-index
49 all docs	49 docs citations	49 times ranked	6968 citing authors

#	Article	IF	Citations
1	cGAS surveillance of micronuclei links genome instability to innate immunity. Nature, 2017, 548, 461-465.	13.7	1,158
2	Enzymatic Removal of Ribonucleotides from DNA Is Essential for Mammalian Genome Integrity and Development. Cell, 2012, 149, 1008-1022.	13.5	397
3	CRISPR screens identify genomic ribonucleotides as a source of PARP-trapping lesions. Nature, 2018, 559, 285-289.	13.7	297
4	Lagging-strand replication shapes the mutational landscape of the genome. Nature, 2015, 518, 502-506.	13.7	213
5	Ribonuclease H2 mutations induce a <scp>cGAS</scp>/<scp>STING</scp>â€dependent innate immune response. EMBO Journal, 2016, 35, 831-844.	3.5	200
6	A role for Q/N-rich aggregation-prone regions in P-body localization. Journal of Cell Science, 2008, 121, 2463-2472.	1.2	191
7	Defective removal of ribonucleotides from DNA promotes systemic autoimmunity. Journal of Clinical Investigation, 2015, 125, 413-424.	3.9	190
8	Ribonucleotides Misincorporated into DNA Act as Strand-Discrimination Signals in Eukaryotic Mismatch Repair. Molecular Cell, 2013, 50, 323-332.	4.5	139
9	RNA:DNA hybrids are a novel molecular pattern sensed by TLR9. EMBO Journal, 2014, 33, 542-558.	3.5	133
10	Human and Mouse Mutations in WDR35 Cause Short-Rib Polydactyly Syndromes Due to Abnormal Ciliogenesis. American Journal of Human Genetics, 2011, 88, 508-515.	2.6	122
11	PCNA directs type 2 RNase H activity on DNA replication and repair substrates. Nucleic Acids Research, 2011, 39, 3652-3666.	6.5	112
12	Gain-of-function DNMT3A mutations cause microcephalic dwarfism and hypermethylation of Polycomb-regulated regions. Nature Genetics, 2019, 51, 96-105.	9.4	110
13	cGAS-mediated induction of type I interferon due to inborn errors of histone pre-mRNA processing. Nature Genetics, 2020, 52, 1364-1372.	9.4	105
14	Identification of VP19 and VP15 of white spot syndrome virus (WSSV) and glycosylation status of the WSSV major structural proteins. Journal of General Virology, 2002, 83, 257-265.	1.3	105
15	The Structure of the Human RNase H2 Complex Defines Key Interaction Interfaces Relevant to Enzyme Function and Human Disease. Journal of Biological Chemistry, 2011, 286, 10530-10539.	1.6	94
16	Mutations in DONSON disrupt replication fork stability and cause microcephalic dwarfism. Nature Genetics, 2017, 49, 537-549.	9.4	81
17	TRAIP promotes DNA damage response during genome replication and is mutated in primordial dwarfism. Nature Genetics, 2016, 48, 36-43.	9.4	74
18	DNA Polymerase Epsilon Deficiency Causes IMAGe Syndrome with Variable Immunodeficiency. American Journal of Human Genetics, 2018, 103, 1038-1044.	2.6	71

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19	RNase H2, mutated in Aicardiâ€GoutiÃ¨res syndrome, promotes LINEâ€1 retrotransposition. EMBO Journal, 2018, 37, .	3.5	67
20	Epithelial RNase H2 Maintains Genome Integrity and Prevents Intestinal Tumorigenesis in Mice. Gastroenterology, 2019, 156, 145-159.e19.	0.6	46
21	Aberrant ribonucleotide incorporation and multiple deletions in mitochondrial DNA of the murine MPV17 disease model. Nucleic Acids Research, 2017, 45, 12808-12815.	6.5	43
22	Genome-wide mapping of embedded ribonucleotides and other noncanonical nucleotides using emRiboSeq and EndoSeq. Nature Protocols, 2015, 10, 1433-1444.	5.5	42
23	Mutagenesis of PepA suggests a new model for the Xer/cer synaptic complex. Molecular Microbiology, 2005, 57, 927-941.	1.2	41
24	Ribonucleotide Excision Repair Is Essential to Prevent Squamous Cell Carcinoma of the Skin. Cancer Research, 2018, 78, 5917-5926.	0.4	40
25	Signatures of TOP1 transcription-associated mutagenesis in cancer and germline. Nature, 2022, 602, 623-631.	13.7	38
26	Ribonuclease H2 in health and disease. Biochemical Society Transactions, 2014, 42, 717-725.	1.6	37
27	DNA damage contributes to neurotoxic inflammation in Aicardi-GoutiÃ¨res syndrome astrocytes. Journal of Experimental Medicine, 2022, 219, .	4.2	35
28	A sensitive and affordable multiplex RT-qPCR assay for SARS-CoV-2 detection. PLoS Biology, 2020, 18, e3001030.	2.6	32
29	The Lsm2-8 complex determines nuclear localization of the spliceosomal U6 snRNA. Nucleic Acids Research, 2007, 35, 923-929.	6.5	30
30	Requirements for nuclear localization of the Lsm2-8p complex and competition between nuclear and cytoplasmic Lsm complexes. Journal of Cell Science, 2007, 120, 4310-4320.	1.2	25
31	PRIM1 deficiency causes a distinctive primordial dwarfism syndrome. Genes and Development, 2020, 34, 1520-1533.	2.7	20
32	Synonymous Mutations inRNASEH2ACreate Cryptic Splice Sites Impairing RNase H2 Enzyme Function in Aicardi-GoutiÃ¨res Syndrome. Human Mutation, 2013, 34, 1066-1070.	1.1	16
33	Biallelic variants in DNA2 cause microcephalic primordial dwarfism. Human Mutation, 2019, 40, 1063-1070.	1.1	16
34	Rare ADAR and RNASEH2B variants and a type I interferon signature in glioma and prostate carcinoma risk and tumorigenesis. Acta Neuropathologica, 2017, 134, 905-922.	3.9	12
35	Analysis of Lsm1p and Lsm8p domains in the cellular localization of Lsm complexes in budding yeast. FEBS Journal, 2009, 276, 3602-3617.	2.2	10
36	Novel Escherichia coli active site dnaE alleles with altered base and sugar selectivity. Molecular Microbiology, 2021, 116, 909-925.	1.2	3

#	Article	IF	Citations
37	Defective removal of ribonucleotides from DNA promotes systemic lupus erythematosus. Pediatric Rheumatology, 2015, 13, .	0.9	1
38	User acceptability of saliva and gargle samples for identifying COVID-19 positive high-risk workers and household contacts. Diagnostic Microbiology and Infectious Disease, 2022, , 115732.	0.8	1