

George-Lucian Moldovan

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

5,895
citations

304368

22
h-index

288905

40
g-index

51
all docs

51
docs citations

51
times ranked

6752
citing authors

#	ARTICLE	IF	CITATIONS
1	RAD6-dependent DNA repair is linked to modification of PCNA by ubiquitin and SUMO. <i>Nature</i> , 2002, 419, 135-141.	13.7	1,957
2	PCNA, the Maestro of the Replication Fork. <i>Cell</i> , 2007, 129, 665-679.	13.5	1,520
3	How the Fanconi Anemia Pathway Guards the Genome. <i>Annual Review of Genetics</i> , 2009, 43, 223-249.	3.2	537
4	Forging Ahead through Darkness: PCNA, Still the Principal Conductor at the Replication Fork. <i>Molecular Cell</i> , 2017, 65, 380-392.	4.5	256
5	PCNA Controls Establishment of Sister Chromatid Cohesion during S Phase. <i>Molecular Cell</i> , 2006, 23, 723-732.	4.5	253
6	Inhibition of Homologous Recombination by the PCNA-Interacting Protein PARI. <i>Molecular Cell</i> , 2012, 45, 75-86.	4.5	196
7	A Role for PCNA Ubiquitination in Immunoglobulin Hypermutation. <i>PLoS Biology</i> , 2006, 4, e366.	2.6	140
8	DNA Polymerase POLN Participates in Cross-Link Repair and Homologous Recombination. <i>Molecular and Cellular Biology</i> , 2010, 30, 1088-1096.	1.1	92
9	The ADP-ribosyltransferase PARP10/ARTD10 Interacts with Proliferating Cell Nuclear Antigen (PCNA) and Is Required for DNA Damage Tolerance. <i>Journal of Biological Chemistry</i> , 2014, 289, 13627-13637.	1.6	85
10	Ubiquitinated-PCNA protects replication forks from DNA2-mediated degradation by regulating Okazaki fragment maturation and chromatin assembly. <i>Nature Communications</i> , 2020, 11, 2147.	5.8	71
11	Mechanisms of DNA Damage Tolerance: Post-Translational Regulation of PCNA. <i>Genes</i> , 2019, 10, 10.	1.0	69
12	Activation of Wnt signaling promotes olaparib resistant ovarian cancer. <i>Molecular Carcinogenesis</i> , 2019, 58, 1770-1782.	1.3	68
13	PARP10 promotes cellular proliferation and tumorigenesis by alleviating replication stress. <i>Nucleic Acids Research</i> , 2018, 46, 8908-8916.	6.5	59
14	<scp>HUWE</scp>1 interacts with <scp>PCNA</scp> to alleviate replication stress. <i>EMBO Reports</i> , 2016, 17, 874-886.	2.0	52
15	Loss of E2F7 confers resistance to poly-ADP-ribose polymerase (PARP) inhibitors in BRCA2-deficient cells. <i>Nucleic Acids Research</i> , 2018, 46, 8898-8907.	6.5	51
16	A novel role for the mono-ADP-ribosyltransferase PARP14/ARTD8 in promoting homologous recombination and protecting against replication stress. <i>Nucleic Acids Research</i> , 2015, 43, 3143-3153.	6.5	48
17	PARI Overexpression Promotes Genomic Instability and Pancreatic Tumorigenesis. <i>Cancer Research</i> , 2013, 73, 2529-2539.	0.4	41
18	Heterozygous De Novo UBTF Gain-of-Function Variant Is Associated with Neurodegeneration in Childhood. <i>American Journal of Human Genetics</i> , 2017, 101, 267-273.	2.6	41

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19	Identification of regulators of poly-ADP-ribose polymerase inhibitor response through complementary CRISPR knockout and activation screens. <i>Nature Communications</i> , 2020, 11, 6118.	5.8	39
20	The emerging determinants of replication fork stability. <i>Nucleic Acids Research</i> , 2021, 49, 7224-7238.	6.5	35
21	NF κ B regulates p21 expression and controls DNA damage-induced leukemic differentiation. <i>Oncogene</i> , 2018, 37, 3647-3656.	2.6	28
22	DNA Polymerase Eta Prevents Tumor Cell-Cycle Arrest and Cell Death during Recovery from Replication Stress. <i>Cancer Research</i> , 2018, 78, 6549-6560.	0.4	28
23	FANCD2 Hurdles the DNA Interstrand Crosslink. <i>Cell</i> , 2009, 139, 1222-1224.	13.5	26
24	The USP1-UAF1 complex interacts with RAD51AP1 to promote homologous recombination repair. <i>Cell Cycle</i> , 2016, 15, 2636-2646.	1.3	23
25	PARP14 regulates cyclin D1 expression to promote cell-cycle progression. <i>Oncogene</i> , 2021, 40, 4872-4883.	2.6	23
26	WRN helicase safeguards deprotected replication forks in BRCA2-mutated cancer cells. <i>Nature Communications</i> , 2021, 12, 6561.	5.8	20
27	To the Rescue: The Fanconi Anemia Genome Stability Pathway Salvages Replication Forks. <i>Cancer Cell</i> , 2012, 22, 5-6.	7.7	18
28	PARP10 deficiency manifests by severe developmental delay and DNA repair defect. <i>Neurogenetics</i> , 2016, 17, 227-232.	0.7	17
29	Dual genome-wide CRISPR knockout and CRISPR activation screens identify mechanisms that regulate the resistance to multiple ATR inhibitors. <i>PLoS Genetics</i> , 2020, 16, e1009176.	1.5	17
30	Genome-wide CRISPR synthetic lethality screen identifies a role for the ADP-ribosyltransferase PARP14 in DNA replication dynamics controlled by ATR. <i>Nucleic Acids Research</i> , 2020, 48, 7252-7264.	6.5	15
31	PARI (PARPBP) suppresses replication stress-induced myeloid differentiation in leukemia cells. <i>Oncogene</i> , 2019, 38, 5530-5540.	2.6	13
32	Heterozygous RNF13 Gain-of-Function Variants Are Associated with Congenital Microcephaly, Epileptic Encephalopathy, Blindness, and Failure to Thrive. <i>American Journal of Human Genetics</i> , 2019, 104, 179-185.	2.6	10
33	Loss of MED12 activates the TGF β ² pathway to promote chemoresistance and replication fork stability in BRCA-deficient cells. <i>Nucleic Acids Research</i> , 2021, 49, 12855-12869.	6.5	10
34	DNA Damage Discrimination at Stalled Replication Forks by the Rad5 Homologs HLTF and SHPRH. <i>Molecular Cell</i> , 2011, 42, 141-143.	4.5	9
35	Human DNA Polymerase δ Catalyzes Correct and Incorrect DNA Synthesis with High Catalytic Efficiency. <i>Journal of Biological Chemistry</i> , 2015, 290, 16292-16303.	1.6	8
36	FANCI compensates for RAP80 deficiency and suppresses genomic instability induced by interstrand cross-links. <i>Nucleic Acids Research</i> , 2020, 48, 9161-9180.	6.5	7

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37	CRISPR screens guide the way for PARP and ATR inhibitor biomarker discovery. FEBS Journal, 2021, , .	2.2	5
38	The TIP60-ATM axis regulates replication fork stability in BRCA-deficient cells. Oncogenesis, 2022, 11, .	2.1	3
39	ERKing Trypanosoma: PCNA phosphorylation as novel target. Cell Cycle, 2016, 15, 3167-3168.	1.3	1
40	Title is missing!. , 2020, 16, e1009176.		0
41	Title is missing!. , 2020, 16, e1009176.		0
42	Title is missing!. , 2020, 16, e1009176.		0
43	Title is missing!. , 2020, 16, e1009176.		0
44	Title is missing!. , 2020, 16, e1009176.		0
45	Title is missing!. , 2020, 16, e1009176.		0