Filippo Rosselli

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7698455/publications.pdf

Version: 2024-02-01

61 papers	2,838 citations	218677 26 h-index	182427 51 g-index
63 all docs	63 docs citations	63 times ranked	3317 citing authors

#	Article	IF	Citations
1	The FANC pathway and BLM collaborate during mitosis to prevent micro-nucleation and chromosome abnormalities. Nature Cell Biology, 2009, 11, 761-768.	10.3	276
2	ERCC1 and MUS81â€“EME1 promote sister chromatid separation by processing late replication intermediates at common fragile sites during mitosis. Nature Cell Biology, 2013, 15, 1008-1015.	10.3	246
3	The DNA crosslink-induced S-phase checkpoint depends on ATRâ€“CHK1 and ATRâ€“NBS1â€“FANCD2 pathways. EMBO Journal, 2004, 23, 1178-1187.	7.8	215
4	DNA synthesis by Pol Î· promotes fragile site stability by preventing under-replicated DNA in mitosis. Journal of Cell Biology, 2013, 201, 395-408.	5.2	165
5	Nonapoptotic Role for Apaf-1 in the DNA Damage Checkpoint. Molecular Cell, 2007, 28, 624-637.	9.7	116
6	Werner's syndrome protein is phosphorylated in an ATR/ATM-dependent manner following replication arrest and DNA damage induced during the S phase of the cell cycle. Oncogene, 2003, 22, 1491-1500.	5.9	115
7	BLM and the FANC proteins collaborate in a common pathway in response to stalled replication forks. EMBO Journal, 2004, 23, 3154-3163.	7.8	115
8	The SLX4 Complex Is a SUMO E3 Ligase that Impacts on Replication Stress Outcome and Genome Stability. Molecular Cell, 2015, 57, 123-137.	9.7	111
9	DNA cross-link-dependent RAD50/MRE11/NBS1 subnuclear assembly requires the Fanconi anemia C protein. Human Molecular Genetics, 2002, 11, 2531-2546.	2.9	84
10	Impaired TIP60-mediated H4K16 acetylation accounts for the aberrant chromatin accumulation of 53BP1 and RAP80 in Fanconi anemia pathway-deficient cells. Nucleic Acids Research, 2016, 44, 648-656.	14.5	69
11	Role of the ceramide-signaling pathways in ionizing radiation-induced apoptosis. Oncogene, 2003, 22, 8645-8652.	5.9	66
12	Aberrant activation of stress-response pathways leads to TNF-Î± oversecretion in Fanconi anemia. Blood, 2008, 111, 1913-1923.	1.4	64
13	Psoralen-induced DNA adducts are substrates for the base excision repair pathway in human cells. Nucleic Acids Research, 2007, 35, 5672-5682.	14.5	58
14	The Human Oxidative DNA Glycosylase NEIL1 Excises Psoralen-induced Interstrand DNA Cross-links in a Three-stranded DNA Structure. Journal of Biological Chemistry, 2009, 284, 11963-11970.	3.4	57
15	USP1 deubiquitinase maintains phosphorylated CHK1 by limiting its DDB1-dependent degradation. Human Molecular Genetics, 2011, 20, 2171-2181.	2.9	57
16	Hypoxia-Dependent Inhibition of Tumor Cell Susceptibility to CTL-Mediated Lysis Involves NANOG Induction in Target Cells. Journal of Immunology, 2011, 187, 4031-4039.	0.8	57
17	A homozygous FANCM mutation underlies a familial case of non-syndromic primary ovarian insufficiency. ELife, 2017, 6, .	6.0	56
18	Loss of CHK1 function impedes DNA damage-induced FANCD2 monoubiquitination but normalizes the abnormal G2 arrest in Fanconi anemia. Human Molecular Genetics, 2008, 17, 679-689.	2.9	54

#	Article	IF	Citations
19	NOX2-dependent ATM kinase activation dictates pro-inflammatory macrophage phenotype and improves effectiveness to radiation therapy. Cell Death and Differentiation, 2017, 24, 1632-1644.	11.2	50
20	The FANC pathway and mitosis: A replication legacy. Cell Cycle, 2009, 8, 2907-2912.	2.6	48
21	Fanconi anemia C gene product regulates expression of genes involved in differentiation and inflammation. Oncogene, 2004, 23, 5004-5013.	5.9	43
22	Critical Involvement of the ATM-Dependent DNA Damage Response in the Apoptotic Demise of HIV-1-Elicited Syncytia. PLoS ONE, 2008, 3, e2458.	2.5	41
23	A journey with common fragile sites: From S phase to telophase. Genes Chromosomes and Cancer, 2019, 58, 305-316.	2.8	36
24	Fanconi Anemia Proteins and the S Phase Checkpoint. Cell Cycle, 2004, 3, 696-698.	2.6	35
25	A never-ending story: the steadily growing family of the FA and FA-like genes. Genetics and Molecular Biology, 2017, 40, 398-407.	1.3	32
26	Familial predisposition to TP53/complex karyotype MDS and leukemia in DNA repair-deficient xeroderma pigmentosum. Blood, 2019, 133, 2718-2724.	1.4	31
27	FANCD2 functions as a critical factor downstream of MiTF to maintain the proliferation and survival of melanoma cells. Scientific Reports, 2016, 6, 36539.	3.3	30
28	The FANC/BRCA Pathway Releases Replication Blockades by Eliminating DNA Interstrand Cross-Links. Genes, 2020, 11, 585.	2.4	28
29	The Fanconi anemia pathway and the DNA interstrand cross-links repair. Biochimie, 2003, 85, 1175-1184.	2.6	26
30	Beyond DNA repair and chromosome instabilityâ€"Fanconi anaemia as a cellular senescence-associated syndrome. Cell Death and Differentiation, 2021, 28, 1159-1173.	11.2	26
31	3R coordination by Fanconi anemia proteins. Biochimie, 2005, 87, 647-658.	2.6	23
32	Defective endomitosis during megakaryopoiesis leads to thrombocytopenia in Fancaâˆ’/âˆ’ mice. Blood, 2014, 124, 3613-3623.	1.4	23
33	Fanconi anemia proteins and the s phase checkpoint. Cell Cycle, 2004, 3, 698-700.	2.6	23
34	Persistence of drug-induced chromosome aberrations in peripheral blood lymphocytes of the rat. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1990, 232, 107-114.	1.0	22
35	Presence of a defect in karyokinesis during megakaryocyte endomitosis. Cell Cycle, 2012, 11, 4385-4389.	2.6	21
36	Fanca deficiency reduces A/T transitions in somatic hypermutation and alters class switch recombination junctions in mouse B cells. Journal of Experimental Medicine, 2014, 211, 1011-1018.	8.5	21

#	Article	IF	Citations
37	The Fanconi anemia pathway promotes DNA glycosylaseâ€dependent excision of interstrand DNA crosslinks. Environmental and Molecular Mutagenesis, 2010, 51, 508-519.	2.2	20
38	Hypoxia increases mutational load of breast cancer cells through frameshift mutations. OncoImmunology, 2020, 9, 1750750.	4.6	20
39	Proteomic analysis unveils a FANCA-modulated neddylation pathway involved in CXCR5 membrane targeting and cell mobility. Journal of Cell Science, 2014, 127, 3546-54.	2.0	19
40	Fanconi anemia A protein participates in nucleolar homeostasis maintenance and ribosome biogenesis. Science Advances, 2021, 7, .	10.3	19
41	A new frontier in Fanconi anemia: From DNA repair to ribosome biogenesis. Blood Reviews, 2022, 52, 100904.	5.7	19
42	FANC Pathway Promotes UV-Induced Stalled Replication Forks Recovery by Acting Both Upstream and Downstream Polî· and Rev1. PLoS ONE, 2013, 8, e53693.	2.5	18
43	<scp>SMC</scp>5/6 acts jointly with Fanconi anemia factors to support <scp>DNA</scp> repair and genome stability. EMBO Reports, 2020, 21, e48222.	4.5	16
44	The ubiquitin family meets the Fanconi anemia proteins. Mutation Research - Reviews in Mutation Research, 2016, 769, 36-46.	5.5	15
45	The underestimated role of the microphthalmia-associated transcription factor (MiTF) in normal and pathological haematopoiesis. Cell and Bioscience, 2021, 11, 18.	4.8	15
46	Loss of the Fanconi anemia group C protein activity results in an inability to activate caspase-3 after ionizing radiation. Biochimie, 2000, 82, 51-58.	2.6	14
47	The FANC pathway is activated by adenovirus infection and promotes viral replication-dependent recombination. Nucleic Acids Research, 2011, 39, 5459-5473.	14.5	14
48	Fanconi anemia proteins counteract the implementation of the oncogene-induced senescence program. Scientific Reports, 2019, 9, 17024.	3.3	14
49	Cocultivation of Fanconi anemia cells and of mouse lymphoma mutants leads to interspecies complementation of chromosomal hypersensitivity to DNA cross-linking agents. Human Genetics, 1990, 84, 517-21.	3.8	13
50	Futile Caspase-8 Activation during the Apoptotic Cell Death Induced by DNA Damaging Agents in Human B-Lymphoblasts. Experimental Cell Research, 2001, 269, 2-12.	2.6	11
51	Comparison of the effects of DNA topoisomerase inhibitors on lymphoblasts from normal and Fanconi anemia donors. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1994, 325, 137-144.	1.1	9
52	hSMG-1 is a granzyme B-associated stress-responsive protein kinase. Journal of Molecular Medicine, 2011, 89, 411-421.	3.9	9
53	V(D)J recombination process and the Pre-B to immature B-cells transition are altered in Fancaâˆ'/âˆ' mice. Scientific Reports, 2016, 6, 36906.	3.3	8
54	Microphthalmia transcription factor expression contributes to bone marrow failure in Fanconi anemia. Journal of Clinical Investigation, 2020, 130, 1377-1391.	8.2	8

#	Article	IF	Citations
55	The Spi1/PU.1 transcription factor accelerates replication fork progression by increasing PP1 phosphatase in leukemia. Oncotarget, 2017, 8, 37104-37114.	1.8	8
56	Clastogenic effects induced in mice and rats by 1,4-bis[2-(3,5-dichloropyridyloxy)]-benzene, a phenobarbital-like enzyme inducer and liver tumour promoter. Carcinogenesis, 1988, 9, 1147-1152.	2.8	7
57	Whole exome sequencing identifies a new mutation in the SLC19A2 gene leading to thiamineâ€responsive megaloblastic anemia in an Egyptian family. Molecular Genetics & Genomic Medicine, 2019, 7, e00777.	1.2	7
58	Large deletions in immunoglobulin genes are associated with a sustained absence of DNA Polymerase Î·. Scientific Reports, 2020, 10, 1311.	3.3	7
59	Chromosomal hypersensitivity in mutant MCN-151 mouse cells exposed to mitomycin C. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1989, 225, 115-119.	1.1	5
60	Chromosome aberrations in rat liver cells and bone marrow cells following treatment in vivo with mitomycin C. Mutagenesis, 1986, 1, 335-338.	2.6	2
61	Tipping the Scale: MYC Gains Weight in Fanconi Anemia Bone Marrow Failure Progression. Cell Stem Cell, 2021, 28, 8-9.	11.1	1