

Raimundo Freire

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9323498/publications.pdf>

Version: 2024-02-01

84
papers

4,444
citations

94433

37
h-index

114465

63
g-index

96
all docs

96
docs citations

96
times ranked

6433
citing authors

#	ARTICLE	IF	CITATIONS
1	Polo-like kinase-1 is activated by aurora A to promote checkpoint recovery. <i>Nature</i> , 2008, 455, 119-123.	27.8	596
2	Polo-like Kinase-1 Controls Proteasome-Dependent Degradation of Claspin during Checkpoint Recovery. <i>Current Biology</i> , 2006, 16, 1950-1955.	3.9	205
3	Metalloprotease SPRTN/DVC1 Orchestrates Replication-Coupled DNA-Protein Crosslink Repair. <i>Molecular Cell</i> , 2016, 64, 704-719.	9.7	193
4	Mutations in SPRTN cause early onset hepatocellular carcinoma, genomic instability and progeroid features. <i>Nature Genetics</i> , 2014, 46, 1239-1244.	21.4	165
5	Wee1 controls genomic stability during replication by regulating the Mus81-Eme1 endonuclease. <i>Journal of Cell Biology</i> , 2011, 194, 567-579.	5.2	159
6	The human Rothmund-Thomson syndrome gene product, RECQL4, localizes to distinct nuclear foci that coincide with proteins involved in the maintenance of genome stability. <i>Journal of Cell Science</i> , 2005, 118, 4261-4269.	2.0	120
7	Simian Virus 40 Large T Antigen Disrupts Genome Integrity and Activates a DNA Damage Response via Bub1 Binding. <i>Journal of Virology</i> , 2009, 83, 117-127.	3.4	114
8	FOXM1 targets NBS1 to regulate DNA damage-induced senescence and epirubicin resistance. <i>Oncogene</i> , 2014, 33, 4144-4155.	5.9	109
9	The human Rad9/Rad1/Hus1 damage sensor clamp interacts with DNA polymerase β and increases its DNA substrate utilisation efficiency: implications for DNA repair. <i>Nucleic Acids Research</i> , 2004, 32, 3316-3324.	14.5	108
10	OTUB1 inhibits the ubiquitination and degradation of FOXM1 in breast cancer and epirubicin resistance. <i>Oncogene</i> , 2016, 35, 1433-1444.	5.9	108
11	Simian virus 40 large T antigen targets the spindle assembly checkpoint protein Bub1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 947-952.	7.1	102
12	Human and mouse homologs of <i>Schizosaccharomyces pombe</i> rad1 and <i>Saccharomyces cerevisiae</i> RAD17: linkage to checkpoint control and mammalian meiosis. <i>Genes and Development</i> , 1998, 12, 2560-2573.	5.9	100
13	Co-operation of BRCA1 and POH1 relieves the barriers posed by 53BP1 and RAP80 to resection. <i>Nucleic Acids Research</i> , 2013, 41, 10298-10311.	14.5	99
14	The association of ATR protein with mouse meiotic chromosome cores. <i>Chromosoma</i> , 1999, 108, 95-102.	2.2	89
15	Bora and Aurora-A continue to activate Plk1 in mitosis. <i>Journal of Cell Science</i> , 2014, 127, 801-11.	2.0	86
16	The Forkhead Box M1 protein regulates BRIP1 expression and DNA damage repair in epirubicin treatment. <i>Oncogene</i> , 2013, 32, 4634-4645.	5.9	83
17	TopBP1 and ATR Colocalization at Meiotic Chromosomes: Role of TopBP1/Cut5 in the Meiotic Recombination Checkpoint. <i>Molecular Biology of the Cell</i> , 2004, 15, 1568-1579.	2.1	79
18	Histone Ubiquitination by the DNA Damage Response Is Required for Efficient DNA Replication in Unperturbed S Phase. <i>Molecular Cell</i> , 2018, 71, 897-910.e8.	9.7	78

#	ARTICLE	IF	CITATIONS
19	Opposing roles for 53BP1 during homologous recombination. <i>Nucleic Acids Research</i> , 2013, 41, 9719-9731.	14.5	74
20	The Nucleocapsid protein triggers the main humoral immune response in COVID-19 patients. <i>Biochemical and Biophysical Research Communications</i> , 2021, 543, 45-49.	2.1	68
21	Dot1-Dependent Histone H3K79 Methylation Promotes Activation of the Mek1 Meiotic Checkpoint Effector Kinase by Regulating the Hop1 Adaptor. <i>PLoS Genetics</i> , 2013, 9, e1003262.	3.5	67
22	A limited number of double-strand DNA breaks is sufficient to delay cell cycle progression. <i>Nucleic Acids Research</i> , 2018, 46, 10132-10144.	14.5	67
23	USP29 controls the stability of checkpoint adaptor Claspin by deubiquitination. <i>Oncogene</i> , 2015, 34, 1058-1063.	5.9	66
24	Mammalian BTBD12 (SLX4) Protects against Genomic Instability during Mammalian Spermatogenesis. <i>PLoS Genetics</i> , 2011, 7, e1002094.	3.5	65
25	Claspin – checkpoint adaptor and DNA replication factor. <i>FEBS Journal</i> , 2019, 286, 441-455.	4.7	65
26	TEX264 coordinates p97- and SPRTN-mediated resolution of topoisomerase 1-DNA adducts. <i>Nature Communications</i> , 2020, 11, 1274.	12.8	64
27	Cullin3-KLHL15 ubiquitin ligase mediates CtIP protein turnover to fine-tune DNA-end resection. <i>Nature Communications</i> , 2016, 7, 12628.	12.8	56
28	HUWE1 interacts with PCNA to alleviate replication stress. <i>EMBO Reports</i> , 2016, 17, 874-886.	4.5	52
29	Telomere and Telomerase Modulation by the Mammalian Rad9/Rad1/Hus1 DNA-Damage-Checkpoint Complex. <i>Current Biology</i> , 2006, 16, 1551-1558.	3.9	50
30	TOPBP1Dpb11 plays a conserved role in homologous recombination DNA repair through the coordinated recruitment of 53BP1Rad9. <i>Journal of Cell Biology</i> , 2017, 216, 623-639.	5.2	50
31	Conditional Inactivation of the DNA Damage Response Gene Hus1 in Mouse Testis Reveals Separable Roles for Components of the RAD9-RAD1-HUS1 Complex in Meiotic Chromosome Maintenance. <i>PLoS Genetics</i> , 2013, 9, e1003320.	3.5	48
32	Dgcr8 and Dicer are essential for sex chromosome integrity during meiosis in males. <i>Journal of Cell Science</i> , 2015, 128, 2314-2327.	2.0	47
33	ATR-mediated proteome remodeling is a major determinant of homologous recombination capacity in cancer cells. <i>Nucleic Acids Research</i> , 2018, 46, 8311-8325.	14.5	45
34	Cep55 overexpression causes male-specific sterility in mice by suppressing Foxo1 nuclear retention through sustained activation of PI3K/Akt signaling. <i>FASEB Journal</i> , 2018, 32, 4984-4999.	0.5	43
35	HCLK2 Is Required for Activity of the DNA Damage Response Kinase ATR. <i>Journal of Biological Chemistry</i> , 2009, 284, 4140-4147.	3.4	42
36	The Ddc2/ATRIP checkpoint protein monitors meiotic recombination intermediates. <i>Journal of Cell Science</i> , 2011, 124, 2488-2500.	2.0	41

#	ARTICLE	IF	CITATIONS
37	Mechanisms of ATR-mediated checkpoint signalling. <i>Frontiers in Bioscience - Landmark</i> , 2010, 15, 840.	3.0	40
38	PERK inhibits DNA replication during the Unfolded Protein Response via Claspin and Chk1. <i>Oncogene</i> , 2017, 36, 678-686.	5.9	40
39	DUB3 and USP7 de-ubiquitinating enzymes control replication inhibitor Geminin: molecular characterization and associations with breast cancer. <i>Oncogene</i> , 2017, 36, 4802-4809.	5.9	40
40	Claspin: Timing the Cell Cycle Arrest When the Genome is Damaged. <i>Cell Cycle</i> , 2006, 5, 2831-2834.	2.6	39
41	Dub3 controls DNA damage signalling by direct deubiquitination of H2AX. <i>Molecular Oncology</i> , 2014, 8, 884-893.	4.6	39
42	TopBP1 localises to centrosomes in mitosis and to chromosome cores in meiosis. <i>Chromosoma</i> , 2004, 112, 323-330.	2.2	38
43	The p97 ^{Ataxin 3} complex regulates homeostasis of the <scp>DNA</scp> damage response E3 ubiquitin ligase <scp>RNF</scp>. <i>EMBO Journal</i> , 2019, 38, e102361.	7.8	38
44	Cleavage and degradation of Claspin during apoptosis by caspases and the proteasome. <i>Cell Death and Differentiation</i> , 2007, 14, 1433-1442.	11.2	37
45	Phage Φ 29 protein p6: A viral histone-like protein. <i>Biochimie</i> , 1994, 76, 981-991.	2.6	29
46	Rad9B responds to nucleolar stress through ATR and JNK signalling, and delays the G1 ^S transition. <i>Journal of Cell Science</i> , 2012, 125, 1152-1164.	2.0	29
47	Activation of Replication Origins in Φ 29-related Phages Requires the Recognition of Initiation Proteins to Specific Nucleoprotein Complexes. <i>Journal of Biological Chemistry</i> , 1996, 271, 31000-31007.	3.4	28
48	DNA damage-specific deubiquitination regulates Rad18 functions to suppress mutagenesis. <i>Journal of Cell Biology</i> , 2014, 206, 183-197.	5.2	28
49	<i>Drosophila</i> Vps13 Is Required for Protein Homeostasis in the Brain. <i>PLoS ONE</i> , 2017, 12, e0170106.	2.5	28
50	USP37 deubiquitinates Cdt1 and contributes to regulate DNA replication. <i>Molecular Oncology</i> , 2016, 10, 1196-1206.	4.6	27
51	Cell cycle-dependent processing of DNA lesions controls localization of Rad9 to sites of genotoxic stress. <i>Cell Cycle</i> , 2009, 8, 1765-1774.	2.6	26
52	PHF6 promotes non-homologous end joining and G2 checkpoint recovery. <i>EMBO Reports</i> , 2020, 21, e48460.	4.5	22
53	Characterization of Pch2 localization determinants reveals a nucleolar-independent role in the meiotic recombination checkpoint. <i>Chromosoma</i> , 2019, 128, 297-316.	2.2	19
54	PHF2 regulates homology-directed DNA repair by controlling the resection of DNA double strand breaks. <i>Nucleic Acids Research</i> , 2020, 48, 4915-4927.	14.5	19

#	ARTICLE	IF	CITATIONS
55	Human spindle checkpoint kinase Bub1 is cleaved during apoptosis. <i>Cell Death and Differentiation</i> , 2005, 12, 827-830.	11.2	15
56	Novel insights into maintaining genomic integrity: Wee1 regulating Mus81/Eme1. <i>Cell Division</i> , 2011, 6, 21.	2.4	15
57	New origin firing is inhibited by APC/C ⁺ Cdh1 ⁺ activation in S-phase after severe replication stress. <i>Nucleic Acids Research</i> , 2016, 44, 4745-4762.	14.5	15
58	Expression of DNA Damage Checkpoint Protein Hus1 in Epithelial Ovarian Tumors Correlates With Prognostic Markers. <i>International Journal of Gynecological Pathology</i> , 2008, 27, 24-32.	1.4	14
59	The Hus1 homologue of <i>Leishmania major</i> encodes a nuclear protein that participates in DNA damage response. <i>Molecular and Biochemical Parasitology</i> , 2011, 177, 65-69.	1.1	14
60	Phosphorylation-mediated stabilization of Bora in mitosis coordinates Plx1/Plk1 and Cdk1 oscillations. <i>Cell Cycle</i> , 2014, 13, 1727-1736.	2.6	14
61	USP7/HAUSP: A SUMO deubiquitinase at the heart of DNA replication. <i>BioEssays</i> , 2016, 38, 863-868.	2.5	14
62	The CDK1-TOPBP1-PLK1 axis regulates the Bloom's syndrome helicase BLM to suppress crossover recombination in somatic cells. <i>Science Advances</i> , 2022, 8, eabk0221.	10.3	13
63	Control of DNA Replication Initiation by Ubiquitin. <i>Cells</i> , 2018, 7, 146.	4.1	12
64	Phosphoproteomics of ATR signaling in mouse testes. <i>ELife</i> , 2022, 11, .	6.0	12
65	Protein-nucleic acid interactions in bacteriophage T29 DNA replication. <i>FEMS Microbiology Reviews</i> , 1995, 17, 73-82.	8.6	11
66	KA1-targeted regulatory domain mutations activate Chk1 in the absence of DNA damage. <i>Scientific Reports</i> , 2015, 5, 10856.	3.3	11
67	Intrinsic ATR signaling shapes DNA end resection and suppresses toxic DNA-PKcs signaling. <i>NAR Cancer</i> , 2020, 2, zcaa006.	3.1	10
68	The DNA damage checkpoint is activated during residual tumour cell survival to methotrexate treatment as an initial step of acquired drug resistance. <i>Anti-Cancer Drugs</i> , 2006, 17, 1171-1177.	1.4	7
69	SUMO regulates p21Cip1 intracellular distribution and with p21Cip1 facilitates multiprotein complex formation in the nucleolus upon DNA damage. <i>PLoS ONE</i> , 2017, 12, e0178925.	2.5	7
70	Multiple 9-1-1 complexes promote homolog synapsis, DSB repair, and ATR signaling during mammalian meiosis. <i>ELife</i> , 2022, 11, .	6.0	7
71	A modular approach to trim cellular targets in anticancer drug discovery. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 6641-6645.	2.2	6
72	Chk1 KA1 domain auto-phosphorylation stimulates biological activity and is linked to rapid proteasomal degradation. <i>Scientific Reports</i> , 2018, 8, 17536.	3.3	6

#	ARTICLE	IF	CITATIONS
73	Vps13 is required for timely removal of nurse cell corpses. <i>Development (Cambridge)</i> , 2020, 147, .	2.5	6
74	Antibody Response against the SARS-CoV-2 Nucleocapsid Protein and Its Subdomains Identification of Pre-Immunization Status by Human Coronaviruses with Multipanel Nucleocapsid Fragment Immunoblotting. <i>Covid</i> , 2021, 1, 105-114.	1.5	6
75	OZF is a Claspin interacting protein essential to maintain the replication fork progression rate under replication stress. <i>FASEB Journal</i> , 2020, 34, 6907-6919.	0.5	5
76	DNA structure in the nucleoprotein complex that activates replication of phage λ /29. <i>Biophysical Chemistry</i> , 1994, 50, 183-189.	2.8	4
77	Enhanced green fluorescent protein in optofluidic Fabry-Perot microcavity to detect laser induced temperature changes in a bacterial culture. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	4
78	Implications of CLSPN Variants in Cellular Function and Susceptibility to Cancer. <i>Cancers</i> , 2020, 12, 2396.	3.7	4
79	Ubiquitin specific protease 7 as a potential therapeutic target in dogs with hematopoietic malignancies. <i>Journal of Veterinary Internal Medicine</i> , 2021, 35, 1041-1051.	1.6	4
80	Vaccination with BNT162b2 and ChAdOx1 nCoV-19 Induces Cross-Reactive Anti-RBD IgG against SARS-CoV-2 Variants including Omicron. <i>Viruses</i> , 2022, 14, 1181.	3.3	4
81	GSK3- β Stimulates Claspin Degradation via β -TrCP Ubiquitin Ligase and Alters Cancer Cell Survival. <i>Cancers</i> , 2019, 11, 1073.	3.7	3
82	Preclinical Establishment of a Divalent Vaccine against SARS-CoV-2. <i>Vaccines</i> , 2022, 10, 516.	4.4	2
83	Wip1 regulation: Who controls a reset button?. <i>Cell Cycle</i> , 2013, 12, 390-390.	2.6	0
84	LIF Insensitivity and Expression of Proteins Activated by DNA Damage Response in Teratoma-Isolated Cells Derived from Mouse Embryonic Stem Cells. <i>Cytologia</i> , 2013, 78, 195-202.	0.6	0