Ralph Scully

List of Publications by Year
in descending order

74 papers	12,182 citations	61984 43 h-index	82547 72 g-index
77 all docs	77 docs citations	77 times ranked	13269 citing authors

#	Article	IF	Citations
1	FANCM regulates repair pathway choice at stalled replication forks. Molecular Cell, 2021, 81, 2428-2444.e6.	9.7	37
2	Lamin B1 sequesters 53BP1 to control its recruitment to DNA damage. Science Advances, 2021, 7, .	10.3	21
3	The Protexin complex counters resection on stalled forks to promote homologous recombination and crosslink repair. Molecular Cell, 2021, 81, 4440-4456.e7.	9.7	17
4	Recombination and restart at blocked replication forks. Current Opinion in Genetics and Development, 2021, 71, 154-162.	3.3	16
5	Measurement of Homologous Recombination at Stalled Mammalian Replication Forks. Methods in Molecular Biology, 2021, 2153, 329-353.	0.9	5
6	Variants of uncertain clinical significance in hereditary breast and ovarian cancer genes: best practices in functional analysis for clinical annotation. Journal of Medical Genetics, 2020, 57, 509-518.	3.2	33
7	Inactivation of the Prolyl Isomerase Pin1 Sensitizes BRCA1-Proficient Breast Cancer to PARP Inhibition. Cancer Research, 2020, 80, 3033-3045.	0.9	23
8	Comprehensive analysis of chromothripsis in 2,658 human cancers using whole-genome sequencing. Nature Genetics, 2020, 52, 331-341.	21.4	431
9	DNA double-strand break repair-pathway choice in somatic mammalian cells. Nature Reviews Molecular Cell Biology, 2019, 20, 698-714.	37.0	839
10	The Tandem Duplicator Phenotype Is a Prevalent Genome-Wide Cancer Configuration Driven by Distinct Gene Mutations. Cancer Cell, 2018, 34, 197-210.e5.	16.8	130
11	Rad51 recruitment and exclusion of non-homologous end joining during homologous recombination at a Tus/Ter mammalian replication fork barrier. PLoS Genetics, 2018, 14, e1007486.	3.5	24
12	DEK is required for homologous recombination repair of DNA breaks. Scientific Reports, 2017, 7, 44662.	3.3	30
13	Global increase in replication fork speed during a p57 ^{KIP2} -regulated erythroid cell fate switch. Science Advances, 2017, 3, e1700298.	10.3	44
14	Mechanism of tandem duplication formation in BRCA1-mutant cells. Nature, 2017, 551, 590-595.	27.8	118
15	FANCJ helicase controls the balance between short- and long-tract gene conversions between sister chromatids. Nucleic Acids Research, 2017, 45, 8886-8900.	14.5	15
16	53BP1 Protects against CtIP-Dependent Capture of Ectopic Chromosomal Sequences at the Junction of Distant Double-Strand Breaks. PLoS Genetics, 2016, 12, e1006230.	3.5	27
17	The tandem duplicator phenotype as a distinct genomic configuration in cancer. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E2373-82.	7.1	103
18	Spatial separation of replisome arrest sites influences homologous recombination quality at a Tus/Ter-mediated replication fork barrier. Cell Cycle, 2016, 15, 1812-1820.	2.6	8

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19	DNA Polymerase Î¸: Duct Tape and Zip Ties for a Fragile Genome. Molecular Cell, 2016, 63, 542-544.	9.7	0
20	Phosphoinositide 3-kinase inhibitors induce DNA damage through nucleoside depletion. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E4338-47.	7.1	76
21	Complex Breakpoints and Template Switching Associated with Non-canonical Termination of Homologous Recombination in Mammalian Cells. PLoS Genetics, 2016, 12, e1006410.	3.5	19
22	LRF maintains genome integrity by regulating the non-homologous end joining pathway of DNA repair. Nature Communications, 2015, 6, 8325.	12.8	18
23	Deciphering the Code of the Cancer Genome: Mechanisms of Chromosome Rearrangement. Trends in Cancer, 2015, 1, 217-230.	7.4	46
24	Akt-Mediated Phosphorylation of XLF Impairs Non-Homologous End-Joining DNA Repair. Molecular Cell, 2015, 57, 648-661.	9.7	59
25	RFWD3-Dependent Ubiquitination of RPA Regulates Repair at Stalled Replication Forks. Molecular Cell, 2015, 60, 280-293.	9.7	103
26	PARP3 affects the relative contribution of homologous recombination and nonhomologous end-joining pathways. Nucleic Acids Research, 2014, 42, 5616-5632.	14.5	82
27	BRCA1 controls homologous recombination at Tus/Ter-stalled mammalian replication forks. Nature, 2014, 510, 556-559.	27.8	122
28	PARP1-Driven Poly-ADP-Ribosylation Regulates BRCA1 Function in Homologous Recombinationâ€"Mediated DNA Repair. Cancer Discovery, 2014, 4, 1430-1447.	9.4	125
29	Double strand break repair functions of histone H2AX. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2013, 750, 5-14.	1.0	193
30	BRCA1 and CtIP suppress long-tract gene conversion between sister chromatids. Nature Communications, 2013, 4, 2404.	12.8	56
31	Metabolic and Functional Genomic Studies Identify Deoxythymidylate Kinase as a Target in <i>LKB1</i>-Mutant Lung Cancer. Cancer Discovery, 2013, 3, 870-879.	9.4	127
32	ATM- and ATR-Mediated Phosphorylation of XRCC3 Regulates DNA Double-Strand Break-Induced Checkpoint Activation and Repair. Molecular and Cellular Biology, 2013, 33, 1830-1844.	2.3	54
33	Nek4 Regulates Entry into Replicative Senescence and the Response to DNA Damage in Human Fibroblasts. Molecular and Cellular Biology, 2012, 32, 3963-3977.	2.3	42
34	Combining a PI3K Inhibitor with a PARP Inhibitor Provides an Effective Therapy for BRCA1-Related Breast Cancer. Cancer Discovery, 2012, 2, 1048-1063.	9.4	384
35	Impact of Histone H4 Lysine 20 Methylation on 53BP1 Responses to Chromosomal Double Strand Breaks. PLoS ONE, 2012, 7, e49211.	2.5	50
36	BRCA1 Is Required for Postreplication Repair after UV-Induced DNA Damage. Molecular Cell, 2011, 44, 235-251.	9.7	106

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37	A protective role for BRCA2 at stalled replication forks. Breast Cancer Research, 2011, 13, 314.	5.0	7
38	Trex2 Enables Spontaneous Sister Chromatid Exchanges Without Facilitating DNA Double-Strand Break Repair. Genetics, 2011, 188, 787-797.	2.9	15
39	RAP80-directed tuning of BRCA1 homologous recombination function at ionizing radiation-induced nuclear foci. Genes and Development, 2011, 25, 685-700.	5.9	206
40	Epistatic Relationships in the BRCA1-BRCA2 Pathway. PLoS Genetics, 2011, 7, e1002183.	3.5	3
41	Cell Cycle-Dependent Induction of Homologous Recombination by a Tightly Regulated I-SceI Fusion Protein. PLoS ONE, 2011, 6, e16501.	2.5	28
42	A histone code for DNA repair. Nature Reviews Molecular Cell Biology, 2010, 11, 164-164.	37.0	7
43	The Spindle-Assembly Checkpoint, Aneuploidy, and Gastrointestinal Cancer. New England Journal of Medicine, 2010, 363, 2665-2666.	27.0	17
44	H2AX post-translational modifications in the ionizing radiation response and homologous recombination. Cell Cycle, 2010, 9, 3602-3610.	2.6	55
45	Mechanisms of double-strand break repair in somatic mammalian cells. Biochemical Journal, 2009, 423, 157-168.	3.7	319
46	XRCC2 and XRCC3 Regulate the Balance between Short- and Long-Tract Gene Conversions between Sister Chromatids. Molecular and Cellular Biology, 2009, 29, 4283-4294.	2.3	46
47	Role of mammalian Mre11 in classical and alternative nonhomologous end joining. Nature Structural and Molecular Biology, 2009, 16, 814-818.	8.2	293
48	SIRT1 Redistribution on Chromatin Promotes Genomic Stability but Alters Gene Expression during Aging. Cell, 2008, 135, 907-918.	28.9	756
49	Hijacking the DNA Damage Response to Enhance Viral Replication: Î³-Herpesvirus 68 orf36 Phosphorylates Histone H2AX. Molecular Cell, 2007, 27, 178-179.	9.7	13
50	Distinct Roles of Chromatin-Associated Proteins MDC1 and 53BP1 in Mammalian Double-Strand Break Repair. Molecular Cell, 2007, 28, 1045-1057.	9.7	195
51	Minding the gap: The underground functions of BRCA1 and BRCA2 at stalled replication forks. DNA Repair, 2007, 6, 1018-1031.	2.8	85
52	Differential Regulation of Short- and Long-Tract Gene Conversion between Sister Chromatids by Rad51C. Molecular and Cellular Biology, 2006, 26, 8075-8086.	2.3	56
53	In my end is my beginning: control of end resection and DSBR pathway â€˜choiceâ€™ by cyclin-dependent kinases. Oncogene, 2005, 24, 2871-2876.	5.9	17
54	Molecular analysis of sister chromatid recombination in mammalian cells. DNA Repair, 2005, 4, 149-161.	2.8	59

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55	Molecular Functions of BRCA1 in the DNA Damage Response. Cancer Biology and Therapy, 2004, 3, 521-527.	3.4	85
56	BRCA1 and BRCA2 in Breast Cancer Predisposition and Recombination Control. Journal of Mammary Gland Biology and Neoplasia, 2004, 9, 237-246.	2.7	6
57	Control of Sister Chromatid Recombination by Histone H2AX. Molecular Cell, 2004, 16, 1017-1025.	9.7	191
58	Active Localization of the Retinoblastoma Protein in Chromatin and Its Response to S Phase DNA Damage. Molecular Cell, 2003, 12, 735-746.	9.7	110
59	Hereditary Breast and Ovarian Cancer Genes. , 2003, 222, 041-057.		3
60	Increased ionizing radiation sensitivity and genomic instability in the absence of histone H2AX. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 8173-8178.	7.1	492
61	BRCA1 and BRCA2 in hereditary breast cancer. Biochimie, 2002, 84, 95-102.	2.6	34
62	Interactions between BRCA Proteins and DNA Structure. Experimental Cell Research, 2001, 264, 67-73.	2.6	13
63	DNA polymerase stalling, sister chromatid recombination and the BRCA genes. Oncogene, 2000, 19, 6176-6183.	5.9	66
64	In search of the tumour-suppressor functions of BRCA1 and BRCA2. Nature, 2000, 408, 429-432.	27.8	617
65	Involvement of the TIP60 Histone Acetylase Complex in DNA Repair and Apoptosis. Cell, 2000, 102, 463-473.	28.9	936
66	p300 Interacts with the Nuclear Proto-Oncoprotein SYT as Part of the Active Control of Cell Adhesion. Cell, 2000, 102, 839-848.	28.9	92
67	Role of BRCAgene dysfunction in breast and ovarian cancer predisposition. Breast Cancer Research, 2000, 2, 324-30.	5.0	70
68	Localization of human BRCA1 and its loss in high-grade, non-inherited breast carcinomas. Nature Genetics, 1999, 21, 236-240.	21.4	383
69	Genetic Analysis of BRCA1 Function in a Defined Tumor Cell Line. Molecular Cell, 1999, 4, 1093-1099.	9.7	332
70	Stable Interaction between the Products of the BRCA1 and BRCA2 Tumor Suppressor Genes in Mitotic and Meiotic Cells. Molecular Cell, 1998, 2, 317-328.	9.7	545
71	Dynamic Changes of BRCA1 Subnuclear Location and Phosphorylation State Are Initiated by DNA Damage. Cell, 1997, 90, 425-435.	28.9	856
72	Association of BRCA1 with Rad51 in Mitotic and Meiotic Cells. Cell, 1997, 88, 265-275.	28.9	1,392

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73	A role for Th2 cytokines in the suppression of CD8+ T cell-mediated graft rejection. European Journal of Immunology, 1997, 27, 1663-1670.	2.9	35
74	Mechanisms in CD4 antibody-mediated transplantation tolerance: kinetics of induction, antigen dependency and role of regulatory T cells. European Journal of Immunology, 1994, 24, 2383-2392.	2.9	163