

# Claudia Wiese

## List of Publications by Citations

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31  
papers

1,145  
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18  
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39  
ext. papers

1,437  
ext. citations

10.8  
avg, IF

4.01  
L-index

#	Paper	IF	Citations
31	BRCA1-BARD1 promotes RAD51-mediated homologous DNA pairing. <i>Nature</i> , <b>2017</b> , 550, 360-365	50.4	163
30	Enhancement of RAD51 recombinase activity by the tumor suppressor PALB2. <i>Nature Structural and Molecular Biology</i> , <b>2010</b> , 17, 1255-9	17.6	112
29	Promotion of BRCA2-Dependent Homologous Recombination by DSS1 via RPA Targeting and DNA Mimicry. <i>Molecular Cell</i> , <b>2015</b> , 59, 176-87	17.6	97
28	Promotion of homologous recombination and genomic stability by RAD51AP1 via RAD51 recombinase enhancement. <i>Molecular Cell</i> , <b>2007</b> , 28, 482-90	17.6	95
27	Interactions involving the Rad51 paralogs Rad51C and XRCC3 in human cells. <i>Nucleic Acids Research</i> , <b>2002</b> , 30, 1001-8	20.1	90
26	Overexpression of RAD51 suppresses recombination defects: a possible mechanism to reverse genomic instability. <i>Nucleic Acids Research</i> , <b>2010</b> , 38, 1061-70	20.1	72
25	Homologous recombination contributes to the repair of DNA double-strand breaks induced by high-energy iron ions. <i>Radiation Research</i> , <b>2010</b> , 173, 27-39	3.1	63
24	The BRCA Tumor Suppressor Network in Chromosome Damage Repair by Homologous Recombination. <i>Annual Review of Biochemistry</i> , <b>2019</b> , 88, 221-245	29.1	52
23	Toward A variable RBE for proton beam therapy. <i>Radiotherapy and Oncology</i> , <b>2018</b> , 128, 68-75	5.3	50
22	NUCKS1 is a novel RAD51AP1 paralog important for homologous recombination and genome stability. <i>Nucleic Acids Research</i> , <b>2015</b> , 43, 9817-34	20.1	36
21	Promotion of RAD51-Mediated Homologous DNA Pairing by the RAD51AP1-UAF1 Complex. <i>Cell Reports</i> , <b>2016</b> , 15, 2118-2126	10.6	34
20	Non-catalytic Roles for XPG with BRCA1 and BRCA2 in Homologous Recombination and Genome Stability. <i>Molecular Cell</i> , <b>2016</b> , 61, 535-546	17.6	32
19	Disparate requirements for the Walker A and B ATPase motifs of human RAD51D in homologous recombination. <i>Nucleic Acids Research</i> , <b>2006</b> , 34, 2833-43	20.1	32
18	Mechanistic insights into RAD51-associated protein 1 (RAD51AP1) action in homologous DNA repair. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 12343-7	5.4	30
17	Molecular basis for enhancement of the meiotic DMC1 recombinase by RAD51 associated protein 1 (RAD51AP1). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 3560-5	11.5	28
16	Gene conversion is strongly induced in human cells by double-strand breaks and is modulated by the expression of BCL-x(L). <i>Cancer Research</i> , <b>2002</b> , 62, 1279-83	10.1	23
15	Role of RAD51AP1 in homologous recombination DNA repair and carcinogenesis. <i>DNA Repair</i> , <b>2017</b> , 59, 76-81	4.3	22

14	RAD51AP1-deficiency in vertebrate cells impairs DNA replication. <i>DNA Repair</i> , <b>2014</b> , 24, 87-97	4.3	19
13	DNA requirement in FANCD2 deubiquitination by USP1-UAF1-RAD51AP1 in the Fanconi anemia DNA damage response. <i>Nature Communications</i> , <b>2019</b> , 10, 2849	17.4	18
12	RAD51AP2, a novel vertebrate- and meiotic-specific protein, shares a conserved RAD51-interacting C-terminal domain with RAD51AP1/PIR51. <i>Nucleic Acids Research</i> , <b>2006</b> , 34, 5081-92	20.1	18
11	RAD51-associated protein 1 (RAD51AP1) interacts with the meiotic recombinase DMC1 through a conserved motif. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 37328-34	5.4	13
10	Dynamin impacts homology-directed repair and breast cancer response to chemotherapy. <i>Journal of Clinical Investigation</i> , <b>2018</b> , 128, 5307-5321	15.9	12
9	PCNA-dependent accumulation of CDKN1A into nuclear foci after ionizing irradiation. <i>DNA Repair</i> , <b>2012</b> , 11, 511-21	4.3	11
8	NUCKS1 promotes RAD54 activity in homologous recombination DNA repair. <i>Journal of Cell Biology</i> , <b>2020</b> , 219,	7.3	8
7	Nucks1 synergizes with Trp53 to promote radiation lymphomagenesis in mice. <i>Oncotarget</i> , <b>2016</b> , 7, 61874-61889	3.5	18
6	Micronucleus formation in human keratinocytes is dependent on radiation quality and tissue architecture. <i>Environmental and Molecular Mutagenesis</i> , <b>2015</b> , 56, 22-31	3.2	5
5	The DNA-binding activity of USP1-associated factor 1 is required for efficient RAD51-mediated homologous DNA pairing and homology-directed DNA repair. <i>Journal of Biological Chemistry</i> , <b>2020</b> , 295, 8186-8194	5.4	3
4	RAD51AP1 mediates RAD51 activity through nucleosome interaction. <i>Journal of Biological Chemistry</i> , <b>2021</b> , 297, 100844	5.4	1
3	Investigating the role of DNA repair enzymes in DNA replication and recombination (735.3). <i>FASEB Journal</i> , <b>2014</b> , 28, 735.3	0.9	
2	Repair pathway crosstalk in genome stability maintenance through BRCA1/2-mediated homologous recombination (352.1). <i>FASEB Journal</i> , <b>2014</b> , 28, 352.1	0.9	
1	The Role of UAF1 in the Fanconi Anemia Pathway Regulation of Homologous Recombination-Mediated Genome Maintenance. <i>Blood</i> , <b>2016</b> , 128, 1041-1041	2.2	