Youngho Kwon

List of Publications by Year
in descending order

45 papers	2,657 citations	201674 27 h-index	233421 45 g-index
47 all docs	47 docs citations	47 times ranked	2844 citing authors

#	Article	IF	Citations
1	Rad54 and Rdh54 prevent Srs2-mediated disruption of Rad51 presynaptic filaments. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	11
2	Bloom helicase mediates formation of large singleâ€“stranded DNA loops during DNA end processing. Nature Communications, 2022, 13, 2248.	12.8	11
3	Single-molecule visualization of human RECQ5 interactions with single-stranded DNA recombination intermediates. Nucleic Acids Research, 2021, 49, 285-305.	14.5	15
4	The Rad51 paralog complex Rad55-Rad57 acts as a molecular chaperone during homologous recombination. Molecular Cell, 2021, 81, 1043-1057.e8.	9.7	45
5	Biochemical Analysis of D-Loop Extension and DNA Strand Displacement Synthesis. Methods in Molecular Biology, 2021, 2153, 87-99.	0.9	3
6	Single-molecule studies of yeast Rad51 paralogs. Methods in Enzymology, 2021, 661, 343-362.	1.0	0
7	Rad54 Drives ATP Hydrolysis-Dependent DNA Sequence Alignment during Homologous Recombination. Cell, 2020, 181, 1380-1394.e18.	28.9	77
8	The ZGRF1 Helicase Promotes Recombinational Repair of Replication-Blocking DNA Damage in Human Cells. Cell Reports, 2020, 32, 107849.	6.4	9
9	Rad54 and Rdh54 occupy spatially and functionally distinct sites within the Rad51â€ss <scp>DNA</scp> presynaptic complex. EMBO Journal, 2020, 39, e105705.	7.8	17
10	Defining the influence of Rad51 and Dmc1 lineage-specific amino acids on genetic recombination. Genes and Development, 2019, 33, 1191-1207.	5.9	38
11	Single-molecule visualization of human BLM helicase as it acts upon double- and single-stranded DNA substrates. Nucleic Acids Research, 2019, 47, 11225-11237.	14.5	32
12	Guidelines for DNA recombination and repair studies: Mechanistic assays of DNA repair processes. Microbial Cell, 2019, 6, 65-101.	3.2	10
13	Regulatory control of Sgs1 and Dna2 during eukaryotic DNA end resection. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6091-6100.	7.1	35
14	The RecQ helicase Sgs1 drives ATP-dependent disruption of Rad51 filaments. Nucleic Acids Research, 2019, 47, 4694-4706.	14.5	26
15	The BRCA Tumor Suppressor Network in Chromosome Damage Repair by Homologous Recombination. Annual Review of Biochemistry, 2019, 88, 221-245.	11.1	104
16	Dynamic interactions of the homologous pairing 2 (Hop2)â€“meiotic nuclear divisions 1 (Mnd1) protein complex with meiotic presynaptic filaments in budding yeast. Journal of Biological Chemistry, 2019, 294, 490-501.	3.4	19
17	Regulation of Hed1 and Rad54 binding during maturation of the meiosisâ€specific presynaptic complex. EMBO Journal, 2018, 37, .	7.8	33
18	Spontaneous self-segregation of Rad51 and Dmc1 DNA recombinases within mixed recombinase filaments. Journal of Biological Chemistry, 2018, 293, 4191-4200.	3.4	24

#	Article	IF	Citations
19	Meiosis-specific recombinase Dmc1 is a potent inhibitor of the Srs2 antirecombinase. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10041-E10048.	7.1	29
20	A DNA nick at Ku-blocked double-strand break ends serves as an entry site for exonuclease 1 (Exo1) or Sgs1â€“Dna2 in long-range DNA end resection. Journal of Biological Chemistry, 2018, 293, 17061-17069.	3.4	19
21	Sequence imperfections and base triplet recognition by the Rad51/RecA family of recombinases. Journal of Biological Chemistry, 2017, 292, 11125-11135.	3.4	26
22	Human RAD52 interactions with replication protein A and the RAD51 presynaptic complex. Journal of Biological Chemistry, 2017, 292, 11702-11713.	3.4	47
23	Reconstituted System for the Examination of Repair DNA Synthesis in Homologous Recombination. Methods in Enzymology, 2017, 591, 307-325.	1.0	8
24	BRCA1â€“BARD1 promotes RAD51-mediated homologous DNA pairing. Nature, 2017, 550, 360-365.	27.8	262
25	Yeast Srs2 Helicase Promotes Redistribution of Single-Stranded DNA-Bound RPA and Rad52 in Homologous Recombination Regulation. Cell Reports, 2017, 21, 570-577.	6.4	36
26	Dissociation of Rad51 Presynaptic Complexes and Heteroduplex DNA Joints by Tandem Assemblies of Srs2. Cell Reports, 2017, 21, 3166-3177.	6.4	43
27	Role of the Pif1-PCNA Complex in Pol Î´-Dependent Strand Displacement DNA Synthesis and Break-Induced Replication. Cell Reports, 2017, 21, 1707-1714.	6.4	62
28	Rad52, Maestro of Inverse Strand Exchange. Molecular Cell, 2017, 67, 1-3.	9.7	30
29	Plasticity of the Mre11â€“Rad50â€“Xrs2â€–Sae2 nuclease ensemble in the processing of DNA-bound obstacles. Genes and Development, 2017, 31, 2331-2336.	5.9	96
30	Protein dynamics of human RPA and RAD51 on ssDNA during assembly and disassembly of the RAD51 filament. Nucleic Acids Research, 2017, 45, 749-761.	14.5	120
31	Enrichment of Cdk1-cyclins at DNA double-strand breaks stimulates Fun30 phosphorylation and DNA end resection. Nucleic Acids Research, 2016, 44, 2742-2753.	14.5	39
32	Mek1 Down Regulates Rad51 Activity during Yeast Meiosis by Phosphorylation of Hed1. PLoS Genetics, 2016, 12, e1006226.	3.5	76
33	DNA Sequence Alignment by Microhomology Sampling during Homologous Recombination. Cell, 2015, 160, 856-869.	28.9	182
34	Promotion of BRCA2-Dependent Homologous Recombination by DSS1 via RPA Targeting and DNA Mimicry. Molecular Cell, 2015, 59, 176-187.	9.7	141
35	Base triplet stepping by the Rad51/RecA family of recombinases. Science, 2015, 349, 977-981.	12.6	145
36	Restriction of Replication Fork Regression Activities by a Conserved SMC Complex. Molecular Cell, 2014, 56, 436-445.	9.7	60

#	Article	IF	Citations
37	The Fanconi Anemia Proteins FANCD2 and FANCJ Interact and Regulate Each Other's Chromatin Localization. Journal of Biological Chemistry, 2014, 289, 25774-25782.	3.4	17
38	Protein dynamics during presynaptic-complex assembly on individual single-stranded DNA molecules. Nature Structural and Molecular Biology, 2014, 21, 893-900.	8.2	81
39	Regulation of DNA Pairing in Homologous Recombination. Cold Spring Harbor Perspectives in Biology, 2014, 6, a017954-a017954.	5.5	82
40	Concentration-Dependent Exchange of Replication Protein A on Single-Stranded DNA Revealed by Single-Molecule Imaging. PLoS ONE, 2014, 9, e87922.	2.5	176
41	Pif1 helicase and Polî´ promote recombination-coupled DNA synthesis via bubble migration. Nature, 2013, 502, 393-396.	27.8	265
42	Investigations of homologous recombination pathways and their regulation. Yale Journal of Biology and Medicine, 2013, 86, 453-61.	0.2	40
43	Biochemical Studies on Human Rad51-Mediated Homologous Recombination. Methods in Molecular Biology, 2011, 745, 421-435.	0.9	6
44	ATP-dependent Chromatin Remodeling by the Saccharomyces cerevisiae Homologous Recombination Factor Rdh54. Journal of Biological Chemistry, 2008, 283, 10445-10452.	3.4	36
45	Synergistic action of the Saccharomyces cerevisiae homologous recombination factors Rad54 and Rad51 in chromatin remodeling. DNA Repair, 2007, 6, 1496-1506.	2.8	23