Stephen C West

List of Publications by Year
in descending order

185 papers	23,937 citations	4370 86 h-index	7718 150 g-index
187 all docs	187 docs citations	187 times ranked	14203 citing authors

#	Article	IF	Citations
1	Molecular views of recombination proteins and their control. Nature Reviews Molecular Cell Biology, 2003, 4, 435-445.	16.1	860
2	DNA interstrand crosslink repair and cancer. Nature Reviews Cancer, 2011, 11, 467-480.	12.8	847
3	Human Rad51 Protein Promotes ATP-Dependent Homologous Pairing and Strand Transfer Reactions In Vitro. Cell, 1996, 87, 757-766.	13.5	630
4	Role of BRCA2 in Control of the RAD51 Recombination and DNA Repair Protein. Molecular Cell, 2001, 7, 273-282.	4.5	617
5	Poly(ADP-ribose)â€“Dependent Regulation of DNA Repair by the Chromatin Remodeling Enzyme ALC1. Science, 2009, 325, 1240-1243.	6.0	504
6	Role of the human RAD51 protein in homologous recombination and double-stranded-break repair. Trends in Biochemical Sciences, 1998, 23, 247-251.	3.7	492
7	XPG endonuclease makes the 3â€² incision in human DNA nucleotide excision repair. Nature, 1994, 371, 432-435.	13.7	450
8	PROCESSING OF RECOMBINATION INTERMEDIATES BY THE RuvABC PROTEINS. Annual Review of Genetics, 1997, 31, 213-244.	3.2	439
9	CDK-dependent phosphorylation of BRCA2 as a regulatory mechanism for recombinational repair. Nature, 2005, 434, 598-604.	13.7	428
10	Role of RecA protein spiral filaments in genetic recombination. Nature, 1984, 309, 215-220.	13.7	389
11	Enzymes and Molecular Mechanisms of Genetic Recombination. Annual Review of Biochemistry, 1992, 61, 603-640.	5.0	389
12	Werner's syndrome protein (WRN) migrates Holliday junctions and coâ€localizes with RPA upon replication arrest. EMBO Reports, 2000, 1, 80-84.	2.0	378
13	Synergistic actions of Rad51 and Rad52 in recombination and DNA repair. Nature, 1998, 391, 401-404.	13.7	371
14	Poly(ADP-ribose)-binding zinc finger motifs in DNA repair/checkpoint proteins. Nature, 2008, 451, 81-85.	13.7	367
15	The neurodegenerative disease protein aprataxin resolves abortive DNA ligation intermediates. Nature, 2006, 443, 713-716.	13.7	348
16	Identification of Holliday junction resolvases from humans and yeast. Nature, 2008, 456, 357-361.	13.7	345
17	Identification and purification of two distinct complexes containing the five RAD51 paralogs. Genes and Development, 2001, 15, 3296-3307.	2.7	323
18	RTEL1 Maintains Genomic Stability by Suppressing Homologous Recombination. Cell, 2008, 135, 261-271.	13.5	315

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19	Defective DNA Repair and Neurodegenerative Disease. Cell, 2007, 130, 991-1004.	13.5	295
20	RAD51C Is Required for Holliday Junction Processing in Mammalian Cells. Science, 2004, 303, 243-246.	6.0	289
21	Human DNA Polymerase Î· Promotes DNA Synthesis from Strand Invasion Intermediates of Homologous Recombination. Molecular Cell, 2005, 20, 783-792.	4.5	287
22	Identification of KIAA1018/FAN1, a DNA Repair Nuclease Recruited to DNA Damage by Monoubiquitinated FANCD2. Cell, 2010, 142, 65-76.	13.5	284
23	Binding of double-strand breaks in DNA by human Rad52 protein. Nature, 1999, 398, 728-731.	13.7	279
24	Gross chromosomal rearrangements and genetic exchange between nonhomologous chromosomes following BRCA2 inactivation. Genes and Development, 2000, 14, 1400-1406.	2.7	267
25	Identification of FAAP24, a Fanconi Anemia Core Complex Protein that Interacts with FANCM. Molecular Cell, 2007, 25, 331-343.	4.5	264
26	Regulatory Control of the Resolution of DNA Recombination Intermediates during Meiosis and Mitosis. Cell, 2011, 147, 158-172.	13.5	263
27	ATP-dependent branch migration of holliday junctions promoted by the RuvA and RuvB proteins of E. coli. Cell, 1992, 69, 1171-1180.	13.5	262
28	Coordinated Actions of SLX1-SLX4 and MUS81-EME1 for Holliday Junction Resolution in Human Cells. Molecular Cell, 2013, 52, 234-247.	4.5	252
29	Structural and Functional Relationships of the XPF/MUS81 Family of Proteins. Annual Review of Biochemistry, 2008, 77, 259-287.	5.0	244
30	Formation and resolution of recombination intermediates by E. coliRecA and RuvC proteins. Nature, 1991, 354, 506-510.	13.7	243
31	Stabilization of RAD51 nucleoprotein filaments by the C-terminal region of BRCA2. Nature Structural and Molecular Biology, 2007, 14, 468-474.	3.6	240
32	Involvement of human polynucleotide kinase in double-strand break repair by non-homologous end joining. EMBO Journal, 2002, 21, 2827-2832.	3.5	234
33	Binding of Inositol Phosphate to DNA-PK and Stimulation of Double-Strand Break Repair. Cell, 2000, 102, 721-729.	13.5	231
34	FANCM Connects the Genome Instability Disorders Bloom's Syndrome and Fanconi Anemia. Molecular Cell, 2009, 36, 943-953.	4.5	221
35	Single-stranded DNA-binding protein hSSB1 is critical for genomic stability. Nature, 2008, 453, 677-681.	13.7	220
36	The breast cancer tumor suppressor BRCA2 promotes the specific targeting of RAD51 to single-stranded DNA. Nature Structural and Molecular Biology, 2010, 17, 1263-1265.	3.6	217

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37	Structure of the single-strand annealing domain of human RAD52 protein. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 13492-13497.	3.3	211
38	Telomere Maintenance Requires the RAD51D Recombination/Repair Protein. Cell, 2004, 117, 337-347.	13.5	204
39	The human Rad52 protein exists as a heptameric ring. Current Biology, 2000, 10, 337-340.	1.8	196
40	Resolution of holliday junctions by RuvC resolvase: Cleavage specificity and DNA distortion. Cell, 1993, 74, 1021-1031.	13.5	190
41	Direct interaction of FANCD2 with BRCA2 in DNA damage response pathways. Human Molecular Genetics, 2004, 13, 1241-1248.	1.4	190
42	Aberrant chromosome morphology in human cells defective for Holliday junction resolution. Nature, 2011, 471, 642-646.	13.7	190
43	Identification and Characterization of the Human Mus81-Eme1 Endonuclease. Journal of Biological Chemistry, 2003, 278, 25172-25178.	1.6	189
44	FANCM and FAAP24 Function in ATR-Mediated Checkpoint Signaling Independently of the Fanconi Anemia Core Complex. Molecular Cell, 2008, 32, 313-324.	4.5	187
45	Human RECQ5Î², a protein with DNA helicase and strand-annealing activities in a single polypeptide. EMBO Journal, 2004, 23, 2882-2891.	3.5	184
46	Structure of a multisubunit complex that promotes DNA branch migration. Nature, 1995, 374, 375-378.	13.7	182
47	BRCA2-dependent and independent formation of RAD51 nuclear foci. Oncogene, 2003, 22, 1115-1123.	2.6	173
48	Interplay between human DNA repair proteins at a unique double-strand break in vivo. EMBO Journal, 2006, 25, 222-231.	3.5	172
49	Holliday Junction Resolvases. Cold Spring Harbor Perspectives in Biology, 2014, 6, a023192-a023192.	2.3	165
50	Senataxin, Defective in the Neurodegenerative Disorder Ataxia with Oculomotor Apraxia 2, Lies at the Interface of Transcription and the DNA Damage Response. Molecular and Cellular Biology, 2013, 33, 406-417.	1.1	163
51	The Rad51 and Dmc1 recombinases: a non-identical twin relationship. Trends in Biochemical Sciences, 2001, 26, 131-136.	3.7	158
52	RTEL-1 Enforces Meiotic Crossover Interference and Homeostasis. Science, 2010, 327, 1254-1258.	6.0	155
53	Identification of protein X of Escherichia coli as the recA + /tif + gene product. Molecular Genetics and Genomics, 1977, 155, 77-85.	2.4	153
54	Happy Hollidays: 40th anniversary of the Holliday junction. Nature Reviews Molecular Cell Biology, 2004, 5, 937-944.	16.1	152

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55	RIDDLE immunodeficiency syndrome is linked to defects in 53BP1-mediated DNA damage signaling. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 16910-16915.	3.3	152
56	Holliday junction resolution in human cells: two junction endonucleases with distinct substrate specificities. EMBO Journal, 2002, 21, 5577-5585.	3.5	151
57	Unresolved recombination intermediates lead to ultra-fine anaphase bridges, chromosome breaks and aberrations. Nature Cell Biology, 2018, 20, 92-103.	4.6	149
58	XRCC3 and Rad51 Modulate Replication Fork Progression on Damaged Vertebrate Chromosomes. Molecular Cell, 2003, 11, 1109-1117.	4.5	148
59	InTERTpreting telomerase structure and function. Nucleic Acids Research, 2010, 38, 5609-5622.	6.5	146
60	DNA Helicases: New Breeds of Translocating Motors and Molecular Pumps. Cell, 1996, 86, 177-180.	13.5	141
61	Branch Migration and Holliday Junction Resolution Catalyzed by Activities from Mammalian Cells. Cell, 2001, 104, 259-268.	13.5	140
62	BRCA2 BRC motifs bind RAD51-DNA filaments. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 8537-8542.	3.3	130
63	Mechanism of Holliday junction resolution by the human GEN1 protein. Genes and Development, 2010, 24, 1559-1569.	2.7	128
64	Holliday junction resolution: Regulation in space and time. DNA Repair, 2014, 19, 176-181.	1.3	124
65	Role of the Rad1 and Rad10 Proteins in Nucleotide Excision Repair and Recombination. Journal of Biological Chemistry, 1995, 270, 24638-24641.	1.6	123
66	The meiosis-specific recombinase hDmc1 forms ring structures and interacts with hRad51. EMBO Journal, 1999, 18, 6552-6560.	3.5	123
67	In Vitro Reconstitution of the Late Steps of Genetic Recombination in E. coli. Cell, 1997, 89, 607-617.	13.5	122
68	MUS81-EME2 Promotes Replication Fork Restart. Cell Reports, 2014, 7, 1048-1055.	2.9	119
69	The processing of recombination intermediates: Mechanistic insights from studies of bacterial proteins. Cell, 1994, 76, 9-15.	13.5	118
70	Structural Analysis of the RuvC-Holliday Junction Complex Reveals and Unfolded Junction. Journal of Molecular Biology, 1995, 252, 213-226.	2.0	118
71	Eme1 is involved in DNA damage processing and maintenance of genomic stability in mammalian cells. EMBO Journal, 2003, 22, 6137-6147.	3.5	118
72	RAD51C deficiency in mice results in early prophase I arrest in males and sister chromatid separation at metaphase II in females. Journal of Cell Biology, 2007, 176, 581-592.	2.3	118

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73	Visualisation of human rad52 protein and its complexes with hrad51 and DNA. Journal of Molecular Biology, 1998, 284, 1027-1038.	2.0	109
74	DNA Repair Synthesis Facilitates RAD52-Mediated Second-End Capture during DSB Repair. Molecular Cell, 2008, 29, 510-516.	4.5	109
75	Formation of a RuvAB-Holliday Junction Complex in Vitro. Journal of Molecular Biology, 1993, 232, 397-405.	2.0	108
76	Dual Control of Yen1 Nuclease Activity and Cellular Localization by Cdk and Cdc14 Prevents Genome Instability. Molecular Cell, 2014, 54, 94-106.	4.5	108
77	Roles of SLX1â€“SLX4, MUS81â€“EME1, and GEN1 in avoiding genome instability and mitotic catastrophe. Genes and Development, 2014, 28, 1124-1136.	2.7	106
78	Purification and properties of the RuvA and RuvB proteins of Escherichia coli. Molecular Genetics and Genomics, 1992, 235, 1-10.	2.4	105
79	Reconstitution of the strand invasion step of double-strand break repair using human Rad51 Rad52 and RPA proteins. Journal of Molecular Biology, 2000, 304, 151-164.	2.0	104
80	Interactions between human BRCA2 protein and the meiosis-specific recombinase DMC1. EMBO Journal, 2007, 26, 2915-2922.	3.5	104
81	Role of RAD51C and XRCC3 in Genetic Recombination and DNA Repair. Journal of Biological Chemistry, 2007, 282, 1973-1979.	1.6	101
82	TRF2 promotes, remodels and protects telomeric Holliday junctions. EMBO Journal, 2009, 28, 641-651.	3.5	99
83	Postreplication repair in E. coli: Strand exchange reactions of gapped DNA by RecA protein. Molecular Genetics and Genomics, 1982, 187, 209-217.	2.4	98
84	The SMX DNA Repair Tri-nuclease. Molecular Cell, 2017, 65, 848-860.e11.	4.5	98
85	Structure and mechanism of action of the BRCA2 breast cancer tumor suppressor. Nature Structural and Molecular Biology, 2014, 21, 962-968.	3.6	95
86	Resolution of Recombination Intermediates: Mechanisms and Regulation. Cold Spring Harbor Symposia on Quantitative Biology, 2015, 80, 103-109.	2.0	95
87	Repeat expansions confer WRN dependence in microsatellite-unstable cancers. Nature, 2020, 586, 292-298.	13.7	95
88	RAD51 localization and activation following DNA damage. Philosophical Transactions of the Royal Society B: Biological Sciences, 2004, 359, 87-93.	1.8	91
89	Specific interaction of IP6 with human Ku70/80, the DNA-binding subunit of DNA-PK. EMBO Journal, 2002, 21, 2038-2044.	3.5	90
90	Mechanism of E. coli RecA protein directed strand exchanges in post-replication repair of DNA. Nature, 1981, 294, 659-662.	13.7	89

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91	Solution structures of the two PBZ domains from human APLF and their interaction with poly(ADP-ribose). Nature Structural and Molecular Biology, 2010, 17, 241-243.	3.6	89
92	Role of Mammalian RAD51L2 (RAD51C) in Recombination and Genetic Stability. Journal of Biological Chemistry, 2002, 277, 19322-19330.	1.6	88
93	Functional overlap between the structure-specific nucleases Yen1 and Mus81-Mms4 for DNA-damage repair in S. cerevisiae. DNA Repair, 2010, 9, 394-402.	1.3	86
94	Structure and subunit composition of theRuvAB-holliday junction complex 1 1Edited by P. E. Wright. Journal of Molecular Biology, 1997, 266, 217-222.	2.0	85
95	Holliday junction processing enzymes as guardians of genome stability. Trends in Biochemical Sciences, 2014, 39, 409-419.	3.7	85
96	Spatial control of the GEN1 Holliday junction resolvase ensures genome stability. Nature Communications, 2014, 5, 4844.	5.8	80
97	Actions of Aprataxin in Multiple DNA Repair Pathways. Journal of Biological Chemistry, 2007, 282, 9469-9474.	1.6	78
98	Precise binding of single-stranded DNA termini by human RAD52 protein. EMBO Journal, 2000, 19, 4175-4181.	3.5	77
99	Cell-Cycle Kinases Coordinate the Resolution of Recombination Intermediates with Chromosome Segregation. Cell Reports, 2013, 4, 76-86.	2.9	77
100	Hexameric Rings of Escherichia coli RuvB Protein.. Journal of Molecular Biology, 1994, 243, 208-215.	2.0	76
101	Exchanging partners: recombination in E. coli. Trends in Genetics, 1996, 12, 20-26.	2.9	74
102	Branch migration during homologous recombination: assembly of a RuvAB-holliday junction complex in vitro. Cell, 1995, 80, 787-793.	13.5	72
103	Defective ALC1 nucleosome remodeling confers PARPi sensitization and synthetic lethality with HRD. Molecular Cell, 2021, 81, 767-783.e11.	4.5	72
104	The DNA translocase activity of FANCM protects stalled replication forks. Human Molecular Genetics, 2012, 21, 2005-2016.	1.4	71
105	Coordinated actions of RuvABC in Holliday junction processing 1 1Edited by J. Karn. Journal of Molecular Biology, 1998, 281, 621-630.	2.0	69
106	Distinct functions of BRCA1 and BRCA2 in double-strand break repair. Breast Cancer Research, 2001, 4, 9-13.	2.2	69
107	Visualization of recombination intermediates produced by RAD52â€mediated singleâ€strand annealing. EMBO Reports, 2001, 2, 905-909.	2.0	69
108	Targeting the nucleotide salvage factor DNPH1 sensitizes <i>BRCA</i> -deficient cells to PARP inhibitors. Science, 2021, 372, 156-165.	6.0	68

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109	Enzymatic formation of biparental figure-eight molecules from plasmid DNA and their resolution in E. coli. Cell, 1983, 32, 817-829.	13.5	67
110	Purification of human Rad51 protein by selective spermidine precipitation. Mutation Research DNA Repair, 1997, 384, 65-72.	3.8	64
111	Homologous pairing and the formation of nascent synaptic intermediates between regions of duplex DNA by RecA protein. Cell, 1989, 56, 987-995.	13.5	59
112	Cleavage specificity of bacteriophage T4 endonuclease VII and bacteriophage T7 endonuclease I on synthetic branch migratable holliday junctions. Journal of Molecular Biology, 1990, 212, 723-735.	2.0	58
113	Distinct Roles of Mus81, Yen1, Slx1-Slx4, and Rad1 Nucleases in the Repair of Replication-Born Double-Strand Breaks by Sister Chromatid Exchange. Molecular and Cellular Biology, 2012, 32, 1592-1603.	1.1	58
114	Heteroduplex Formation by Human Rad51 Protein: Effects of DNA End-structure, hRP-A and hRad52. Journal of Molecular Biology, 1999, 291, 363-374.	2.0	57
115	Enzymatic formation and resolution of Holliday junctions in vitro. Cell, 1990, 60, 329-336.	13.5	56
116	Role of SSB protein in RecA promoted branch migration reactions. Molecular Genetics and Genomics, 1982, 186, 333-338.	2.4	55
117	Duplex-duplex interactions catalyzed by recA protein allow strand exchanges to pass double-strand breaks in DNA. Cell, 1984, 37, 683-691.	13.5	54
118	Conformational Changes Modulate the Activity of Human RAD51 Protein. Journal of Molecular Biology, 2004, 337, 817-827.	2.0	53
119	The human Holliday junction resolvase GEN1 rescues the meiotic phenotype of a Schizosaccharomyces pombe mus81 mutant. Nucleic Acids Research, 2010, 38, 1866-1873.	6.5	51
120	Induction of protein synthesis in Escherichia coli following UV-or Î³-irradiation, mitomycin C treatment or tif expression. Molecular Genetics and Genomics, 1977, 151, 57-67.	2.4	50
121	Activation of RuvC Holliday junction resolvasein vitro. Nucleic Acids Research, 1994, 22, 2490-2497.	6.5	50
122	Formation of RuvABCâ€"Holliday junction complexes in vitro. Current Biology, 1998, 8, 725-727.	1.8	50
123	Substrate specificity of the MUS81-EME2 structure selective endonuclease. Nucleic Acids Research, 2014, 42, 3833-3845.	6.5	50
124	Homologous pairing can occur before DNA strand separation in general genetic recombination. Nature, 1981, 290, 29-33.	13.7	49
125	Bypass of DNA Heterologies During RuvAB-mediated Three- and Four-strand Branch Migration. Journal of Molecular Biology, 1996, 263, 582-596.	2.0	47
126	The search for a human Holliday junction resolvase. Biochemical Society Transactions, 2009, 37, 519-526.	1.6	47

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127	Specific binding of cruciform DNA structures by a protein from human extracts. Nucleic Acids Research, 1988, 16, 3603-3616.	6.5	44
128	Biological roles of the Escherichia coli RuvA, RuvB and RuvC proteins revealed. Molecular Microbiology, 1992, 6, 2755-2759.	1.2	43
129	Biochemical properties of RuvBD113N: a mutation in helicase motif II of the RuvB hexamer affects DNA binding and ATPase activities. Journal of Molecular Biology, 1997, 271, 704-717.	2.0	43
130	Cleavage of Holliday Junctions by the Escherichia coli RuvABC Complex. Journal of Biological Chemistry, 2000, 275, 26467-26476.	1.6	43
131	Resolution of model holliday junctions by yeast endonuclease is dependent upon homologous DNA sequences. Cell, 1988, 52, 621-629.	13.5	42
132	Specificity of binding to four-way junctions in DNA by bacteriophage T7 endonuclease I. Nucleic Acids Research, 1990, 18, 4377-4384.	6.5	42
133	Recombination genes and proteins. Current Opinion in Genetics and Development, 1994, 4, 221-228.	1.5	41
134	Unwinding of Closed Circular DNA by theEscherichia coliRuvA and RuvB Recombination/Repair Proteins. Journal of Molecular Biology, 1995, 247, 404-417.	2.0	34
135	Molecular Mechanism of DNA Deadenylation by the Neurological Disease Protein Aprataxin. Journal of Biological Chemistry, 2008, 283, 33994-34001.	1.6	33
136	More complexity to the Bloomâ€™s syndrome complex. Genes and Development, 2008, 22, 2737-2742.	2.7	33
137	GEN1 promotes Holliday junction resolution by a coordinated nick and counter-nick mechanism. Nucleic Acids Research, 2015, 43, 10882-10892.	6.5	32
138	Resolution of single and double Holliday junction recombination intermediates by GEN1. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 443-450.	3.3	32
139	Recombination at Mammalian Telomeres: An Alternative Mechanism for Telomere Protection and Elongation. Cell Cycle, 2005, 4, 672-674.	1.3	30
140	A new class of ultrafine anaphase bridges generated by homologous recombination. Cell Cycle, 2018, 17, 2101-2109.	1.3	29
141	Structural and Mechanistic Analysis of the Slx1-Slx4 Endonuclease. Cell Reports, 2015, 10, 1467-1476.	2.9	28
142	Architecture and DNA Recognition Elements of the Fanconi Anemia FANCM-FAAP24 Complex. Structure, 2013, 21, 1648-1658.	1.6	26
143	Synthetic Junctions as Tools to Identify and Characterize Holliday Junction Resolvases. Methods in Enzymology, 2006, 408, 485-501.	0.4	25
144	Holliday junctions cleaved by Rad1?. Nature, 1995, 373, 27-28.	13.7	24

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145	Effect of DNA topology on holliday junction resolution by Escherichia coli RuvC and bacteriophage T7 endonuclease I. Journal of Molecular Biology, 1997, 270, 663-673.	2.0	24
146	DNA-dependent SUMO modification of PARP-1. DNA Repair, 2013, 12, 761-773.	1.3	24
147	MutSÎ² Stimulates Holliday Junction Resolution by the SMX Complex. Cell Reports, 2020, 33, 108289.	2.9	23
148	Tackling PARP inhibitor resistance. Trends in Cancer, 2021, 7, 1102-1118.	3.8	23
149	recA +-dependent inactivation of the lambda repressor in Escherichia coli lysogens by Î³-radiation and by tif expression. Molecular Genetics and Genomics, 1975, 141, 1-8.	2.4	22
150	Protein-DNA interactions in genetic recombination. Trends in Genetics, 1988, 4, 8-13.	2.9	22
151	T7 endonuclease I resolves Holliday junctions formedin vitroby RecA protein. Nucleic Acids Research, 1990, 18, 5633-5636.	6.5	20
152	The directionality of RuvABâ€mediated branch migration: in vitro studies with threeâ€armed junctions. Genes To Cells, 1996, 1, 443-451.	0.5	19
153	Role of RuvA in Branch Migration Reactions Catalyzed by the RuvA and RuvB Proteins of Escherichia coli. Journal of Biological Chemistry, 1996, 271, 19497-19502.	1.6	19
154	RuvAB-mediated branch migration does not involve extensive DNA opening within the RuvB hexamer. Current Biology, 2000, 10, 103-106.	1.8	19
155	Sequence-specificity of holliday junction resolution: identification of RuvC mutants defective in metal binding and target site recognition. Journal of Molecular Biology, 1998, 281, 17-29.	2.0	17
156	The efficiency of strand invasion by Escherichia coli RecA is dependent upon the length and polarity of ssDNA tails. Journal of Molecular Biology, 2001, 305, 23-31.	2.0	17
157	RuvA Gets X-Rayed on Holliday. Cell, 1998, 94, 699-701.	13.5	16
158	Coordinated roles of SLX4 and MutSÎ² in DNA repair and the maintenance of genome stability. Critical Reviews in Biochemistry and Molecular Biology, 2021, 56, 157-177.	2.3	16
159	Integrated genome and transcriptome analyses reveal the mechanism of genome instability in ataxia with oculomotor apraxia 2. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	16
160	Genetic recombination: recA protein promotes homologous pairing between duplex DNA molecules without strand unwinding. Nucleic Acids Research, 1981, 9, 4201-4210.	6.5	15
161	P. mirabilis RecA protein catalyses cleavage of E. coli LexA protein and the Î» repressor in vitro. Molecular Genetics and Genomics, 1984, 194, 111-113.	2.4	15
162	Genome Instability as a Consequence of Defects in the Resolution of Recombination Intermediates. Cold Spring Harbor Symposia on Quantitative Biology, 2017, 82, 207-212.	2.0	15

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163	Processing of recombination intermediatesin vitro. BioEssays, 1990, 12, 151-154.	1.2	14
164	Helicase-defective RuvB D113E promotes RuvAB-mediated branch migration in Vitro 1 1Edited by J. Karn. Journal of Molecular Biology, 1999, 293, 505-519.	2.0	14
165	Characterisation of RuvABâ€"Holliday junction complexes by glycerol gradient sedimentation. Nucleic Acids Research, 1995, 23, 3621-3626.	6.5	10
166	Relaxing and unwinding on Holliday: DNA helicase-mediated branch migration. Mutation Research DNA Repair, 1995, 337, 149-159.	3.8	10
167	Holliday Junction Branch Migration and Resolution Assays. , 2004, 262, 239-254.		8
168	Functional interactions of Mycobacterium leprae RuvA with Escherichia coli RuvB and RuvC on holliday junctions 1 1Edited by M. Yaniv. Journal of Molecular Biology, 2000, 301, 839-850.	2.0	6
169	Keeping homologous recombination in check. Cell Research, 2016, 26, 397-398.	5.7	6
170	Generation of double Holliday junction DNAs and their dissolution/resolution within a chromatin context. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2123420119.	3.3	6
171	Processing of Holliday Junctions by RuvABC?An Overview. Annals of the New York Academy of Sciences, 1994, 726, 156-164.	1.8	5
172	Three-stranded DNA helices as intermediates in genetic recombination. BioEssays, 1991, 13, 37-38.	1.2	4
173	Analysis of Structure-Selective Endonuclease Activities From Yeast and Human Extracts. Methods in Enzymology, 2017, 591, 271-286.	0.4	4
174	GEN1 Endonuclease: Purification and Nuclease Assays. Methods in Enzymology, 2018, 600, 527-542.	0.4	4
175	DNA helicases get physical. Nature, 1996, 384, 316-317.	13.7	3
176	Binding of double-strand breaks in DNA by human Rad52 protein. Nature, 1999, 401, 403-403.	13.7	3
177	Cross-links between Fanconi anaemia and BRCA2. DNA Repair, 2003, 2, 231-234.	1.3	3
178	Preparation and Resolution of Holliday Junction DNA Recombination Intermediates. Methods in Enzymology, 2018, 600, 569-590.	0.4	3
179	An Assay for In Vitro Recombination Between Duplex DNA Molecules. , 1994, 30, 413-424.		2
180	Charles M. Radding: A love of science and art. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e2025935118.	3.3	1

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181	Proteins from Yeast and Human Cells Specific for Model Holliday Junctions in DNA. , 1989, , 233-243.		1
182	Title is missing!. Nature, 1999, 401, 403-403.	13.7	0
183	INDUCTION AND REPRESSION OF THE recA GENE OF ESCHERICHIA COLI. , 1978, , 367-370.		0
184	Formation, translocation and resolution of Holliday junctions during homologous genetic recombination. , 1995, , 17-21.		0
185	SMX makes the cut in genome stability. Oncotarget, 2017, 8, 102765-102766.	0.8	0