

Mutations in RECQL4 cause a subset of cases of Rothm

Nature Genetics

22, 82-84

DOI: 10.1038/8788

Citation Report

#	ARTICLE	IF	CITATIONS
1	Drosophila and human RecQ5 exist in different isoforms generated by alternative splicing. Nucleic Acids Research, 1999, 27, 3762-3769.	6.5	61
2	Werner syndrome helicase contains a 5'→3' exonuclease activity that digests DNA and RNA strands in DNA/DNA and RNA/DNA duplexes dependent on unwinding. Nucleic Acids Research, 1999, 27, 2361-2368.	6.5	104
4	Bloom's syndrome gene suppresses premature ageing caused by Sgs1 deficiency in yeast. Genes To Cells, 1999, 4, 619-625.	0.5	84
5	Yeast aging research: recent advances and medical relevance. Cellular and Molecular Life Sciences, 1999, 56, 807-816.	2.4	8
6	Localization of the bloom syndrome helicase to punctate nuclear structures and the nuclear matrix and regulation during the cell cycle: Comparison with the werner's syndrome helicase. , 1999, 26, 261-273.		31
7	Rothmund-Thomson Syndrome Responsible Gene, RECQL4: Genomic Structure and Products. Genomics, 1999, 61, 268-276.	1.3	151
8	Different domains of Sgs1 are required for mitotic and meiotic functions.. Genes and Genetic Systems, 2000, 75, 319-326.	0.2	16
9	Two Primary Osteosarcomas in a Patient With Rothmund-Thomson Syndrome. Clinical Orthopaedics and Related Research, 2000, 378, 213-223.	0.7	27
10	Molecular genetics in pediatric dermatology. Current Opinion in Pediatrics, 2000, 12, 347-353.	1.0	3
11	Rothmund-Thomson syndrome due to RECQ4 helicase mutations: Report and clinical and molecular comparisons with Bloom syndrome and Werner syndrome. , 2000, 90, 223-228.		156
12	Variable presentation of Rothmund-Thomson syndrome. American Journal of Medical Genetics Part A, 2000, 95, 204-207.	2.4	41
13	The Werner syndrome protein: an update. BioEssays, 2000, 22, 894-901.	1.2	71
14	A new hyperrecombinogenic mutant of Nicotiana tabacum. Plant Journal, 2000, 24, 601-611.	2.8	32
15	Analysis of genomic instability using multiple assays in a patient with Rothmund-Thomson syndrome. Clinical Genetics, 2000, 58, 209-215.	1.0	24
16	Ectodermal dysplasias: not only "skin" deep. Clinical Genetics, 2000, 58, 415-430.	1.0	85
17	Homologous recombination is responsible for cell death in the absence of the Sgs1 and Srs2 helicases. Nature Genetics, 2000, 25, 192-194.	9.4	354
18	Cancer predisposition caused by elevated mitotic recombination in Bloom mice. Nature Genetics, 2000, 26, 424-429.	9.4	363
19	Differential regulation of human RecQ family helicases in cell transformation and cell cycle. Oncogene, 2000, 19, 4764-4772.	2.6	116

#	ARTICLE	IF	CITATIONS
20	Lessons from human progeroid syndromes. <i>Nature</i> , 2000, 408, 263-266.	13.7	242
21	Theories of aging still in their infancy. <i>Trends in Molecular Medicine</i> , 2000, 6, 106-107.	2.6	0
22	The Werner syndrome gene: the molecular basis of RecQ helicase-deficiency diseases. <i>Trends in Genetics</i> , 2000, 16, 213-220.	2.9	176
23	Possible association of BLM in decreasing DNA double strand breaks during DNA replication. <i>EMBO Journal</i> , 2000, 19, 3428-3435.	3.5	130
24	Genetic analysis of the <i>Saccharomyces cerevisiae</i> Sgs1 helicase defines an essential function for the Sgs1-Top3 complex in the absence of SRS2 or TOP1. <i>Molecular Genetics and Genomics</i> , 2000, 264, 89-97.	2.4	41
25	Identification of <i>Drosophila melanogaster</i> RECQE as a member of a new family of RecQ homologues that is preferentially expressed in early embryos. <i>Molecular Genetics and Genomics</i> , 2000, 263, 183-193.	2.4	24
26	DNA HELICASES, GENOMIC INSTABILITY, AND HUMAN GENETIC DISEASE. <i>Annual Review of Genomics and Human Genetics</i> , 2000, 1, 409-459.	2.5	232
27	The Bloom's syndrome gene product promotes branch migration of Holliday junctions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 6504-6508.	3.3	470
28	Replication Protein A Physically Interacts with the Bloom's Syndrome Protein and Stimulates Its Helicase Activity. <i>Journal of Biological Chemistry</i> , 2000, 275, 23500-23508.	1.6	274
29	Functional interaction between the Werner Syndrome protein and DNA polymerase delta. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 4603-4608.	3.3	178
30	Telomere repeat DNA forms a large non-covalent complex with unique cohesive properties which is dissociated by Werner syndrome DNA helicase in the presence of replication protein A. <i>Nucleic Acids Research</i> , 2000, 28, 3642-3648.	6.5	24
31	Interaction between yeast Sgs1 helicase and DNA topoisomerase III. <i>Journal of Biological Chemistry</i> , 2000, 275, 26898-905.	1.6	91
32	Characterization of the nuclear localization signal in the DNA helicase responsible for Bloom syndrome.. <i>International Journal of Molecular Medicine</i> , 2000, 5, 477-84.	1.8	8
33	Molecular characterisation of RecQ homologues in <i>Arabidopsis thaliana</i> . <i>Nucleic Acids Research</i> , 2000, 28, 4275-4282.	6.5	73
34	Werner syndrome exonuclease catalyzes structure-dependent degradation of DNA. <i>Nucleic Acids Research</i> , 2000, 28, 3260-3268.	6.5	86
35	The Bloom's Syndrome Gene Product Interacts with Topoisomerase III. <i>Journal of Biological Chemistry</i> , 2000, 275, 9636-9644.	1.6	294
36	Characterization of the human and mouse WRN 3'->5' exonuclease. <i>Nucleic Acids Research</i> , 2000, 28, 2396-2405.	6.5	143
37	Nuclear structure in normal and Bloom syndrome cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 5214-5219.	3.3	180

#	ARTICLE	IF	CITATIONS
38	Sgs1 Helicase Activity Is Required for Mitotic but Apparently Not for Meiotic Functions. <i>Molecular and Cellular Biology</i> , 2000, 20, 6399-6409.	1.1	49
39	Covalent Modification of the Werner's Syndrome Gene Product with the Ubiquitin-related Protein, SUMO-1. <i>Journal of Biological Chemistry</i> , 2000, 275, 20963-20966.	1.6	95
40	WRN helicase expression in Werner syndrome cell lines. <i>Nucleic Acids Research</i> , 2000, 28, 648-654.	6.5	83
41	Human RecQ5beta, a large isomer of RecQ5 DNA helicase, localizes in the nucleoplasm and interacts with topoisomerases 3alpha and 3beta. <i>Nucleic Acids Research</i> , 2000, 28, 1647-1655.	6.5	137
42	Selective blockage of the 3'->5' exonuclease activity of WRN protein by certain oxidative modifications and bulky lesions in DNA. <i>Nucleic Acids Research</i> , 2000, 28, 2762-2770.	6.5	64
43	Genetic Profile of Insertion Mutations in Mouse Leukemias and Lymphomas. <i>Genome Research</i> , 2000, 10, 237-243.	2.4	52
44	Cloning, genomic structure and chromosomal localization of the gene encoding mouse DNA helicase RecQ helicase protein-like 4. <i>Gene</i> , 2000, 261, 251-258.	1.0	10
45	Linking DNA damage and neurodegeneration. <i>Trends in Neurosciences</i> , 2000, 23, 417-424.	4.2	155
46	Update on familial cancer syndromes and the skin. <i>Journal of the American Academy of Dermatology</i> , 2000, 42, 939-969.	0.6	72
47	Evidence for a Prostate Cancer "Susceptibility Locus on Chromosome 20. <i>American Journal of Human Genetics</i> , 2000, 67, 82-91.	2.6	213
48	Elevation of sister chromatid exchange in <i>Saccharomyces cerevisiae</i> sgs1 disruptants and the relevance of the disruptants as a system to evaluate mutations in Bloom's syndrome gene. <i>Mutation Research DNA Repair</i> , 2000, 459, 203-209.	3.8	80
49	RecQ family helicases: roles in cancer and aging. <i>Current Opinion in Genetics and Development</i> , 2000, 10, 32-38.	1.5	186
50	Potent inhibition of Werner and Bloom helicases by DNA minor groove binding drugs. <i>Nucleic Acids Research</i> , 2000, 28, 2420-2430.	6.5	58
51	PEDIATRIC SKIN TUMORS. <i>Pediatric Clinics of North America</i> , 2000, 47, 937-963.	0.9	22
52	Partial suppression of the fission yeast rqh1- phenotype by expression of a bacterial Holliday junction resolvase. <i>EMBO Journal</i> , 2000, 19, 2751-2762.	3.5	127
53	Viral and cellular mRNA capping: Past and prospects. <i>Advances in Virus Research</i> , 2000, 55, 135-184.	0.9	341
54	Chromosome instability syndromes. <i>Best Practice and Research in Clinical Haematology</i> , 2001, 14, 631-644.	0.7	78
55	Inhibition of the Bloom's and Werner's Syndrome Helicases by G-Quadruplex Interacting Ligands. <i>Biochemistry</i> , 2001, 40, 15194-15202.	1.2	100

#	ARTICLE	IF	CITATIONS
56	DNA recombination and repair in the Archaea. <i>Advances in Applied Microbiology</i> , 2001, 50, 101-169.	1.3	34
57	Sterility of <i>Drosophila</i> with Mutations in the Bloom Syndrome Gene--Complementation by Ku70. <i>Science</i> , 2001, 291, 2600-2602.	6.0	103
58	DNA helicase deficiencies associated with cancer predisposition and premature ageing disorders. <i>Human Molecular Genetics</i> , 2001, 10, 741-746.	1.4	213
59	The N-Terminal Internal Region of BLM Is Required for the Formation of Dots/Rod-like Structures Which Are Associated with SUMO-1. <i>Biochemical and Biophysical Research Communications</i> , 2001, 286, 322-327.	1.0	16
60	Preferential Expression of an Intact WRN Gene in Werner Syndrome Cell Lines in Which a Normal Chromosome 8 Has Been Introduced. <i>Biochemical and Biophysical Research Communications</i> , 2001, 289, 111-115.	1.0	5
61	The DNA helicase activity of yeast Sgs1p is essential for normal lifespan but not for resistance to topoisomerase inhibitors. <i>Mechanisms of Ageing and Development</i> , 2001, 122, 1107-1120.	2.2	17
62	Cloning, genomic structure and chromosomal localization of the gene encoding mouse DNA helicase RECQL5 ¹² . <i>Gene</i> , 2001, 280, 59-66.	1.0	12
63	Genetic hair loss. <i>Clinics in Dermatology</i> , 2001, 19, 121-128.	0.8	5
64	Cancer-associated genodermatoses and familial cancer syndromes with cutaneous manifestations. <i>Clinics in Dermatology</i> , 2001, 19, 284-289.	0.8	3
65	Biochemical Characterization of the DNA Helicase Activity of the <i>Escherichia coli</i> RecQ Helicase. <i>Journal of Biological Chemistry</i> , 2001, 276, 232-243.	1.6	117
66	DNA DAMAGEPROCESSINGDEFECTS ANDDISEASE. <i>Annual Review of Genomics and Human Genetics</i> , 2001, 2, 41-68.	2.5	36
67	Functions of RecQ Family Helicases: Possible Involvement of Bloom's and Werner's Syndrome Gene Products in Guarding Genome Integrity during DNA Replication. <i>Journal of Biochemistry</i> , 2001, 129, 501-507.	0.9	45
68	The N-terminal region of Sgs1, which interacts with Top3, is required for complementation of MMS sensitivity and suppression of hyper-recombination in sgs1 disruptants. <i>Molecular Genetics and Genomics</i> , 2001, 265, 837-850.	1.0	56
69	Rothmund-Thomson Syndrome (Thomson's Type) and Myelodysplasia. <i>Pediatric Dermatology</i> , 2001, 18, 422-425.	0.5	45
70	The C-terminal domain of the Bloom syndrome DNA helicase is essential for genomic stability. <i>BMC Cell Biology</i> , 2001, 2, 11.	3.0	44
71	Werner helicase relocates into nuclear foci in response to DNA damaging agents and co-localizes with RPA and Rad51. <i>Genes To Cells</i> , 2001, 6, 421-430.	0.5	157
72	Clinical manifestations in a cohort of 41 Rothmund-Thomson syndrome patients. <i>American Journal of Medical Genetics Part A</i> , 2001, 102, 11-17.	2.4	290
73	The <i>Saccharomyces cerevisiae</i> WRN homolog Sgs1p participates in telomere maintenance in cells lacking telomerase. <i>EMBO Journal</i> , 2001, 20, 905-913.	3.5	248

#	ARTICLE	IF	CITATIONS
74	RecQ helicases and topoisomerases: components of a conserved complex for the regulation of genetic recombination. Cellular and Molecular Life Sciences, 2001, 58, 894-901.	2.4	34
75	A helicase is born. Nature Genetics, 2001, 28, 200-201.	9.4	14
76	Bloom helicase is involved in DNA surveillance in early S phase in vertebrate cells. Oncogene, 2001, 20, 1143-1151.	2.6	44
77	Unwinding the molecular basis of the Werner syndrome. Mechanisms of Ageing and Development, 2001, 122, 921-944.	2.2	100
78	Somatic mosaicism and variable expressivity. Trends in Genetics, 2001, 17, 79-82.	2.9	102
79	The Pif1p subfamily of helicases: region-specific DNA helicases?. Trends in Cell Biology, 2001, 11, 60-65.	3.6	98
80	The distribution and expression of the Bloom's syndrome gene product in normal and neoplastic human cells. British Journal of Cancer, 2001, 85, 261-265.	2.9	32
81	Topoisomerase III Acts Upstream of Rad53p in the S-Phase DNA Damage Checkpoint. Molecular and Cellular Biology, 2001, 21, 7150-7162.	1.1	65
82	A Novel Protein Interacts with the Werner's Syndrome Gene Product Physically and Functionally. Journal of Biological Chemistry, 2001, 276, 20364-20369.	1.6	63
83	Mapping the DNA Topoisomerase III Binding Domain of the Sgs1 DNA Helicase. Journal of Biological Chemistry, 2001, 276, 8848-8855.	1.6	91
84	Cleavage of the Bloom's syndrome gene product during apoptosis by caspase-3 results in an impaired interaction with topoisomerase IIIalpha. Nucleic Acids Research, 2001, 29, 3172-3180.	6.5	25
85	Molecular cloning of a cDNA encoding mouse DNA helicase B, which has homology to Escherichia coli RecD protein, and identification of a mutation in the DNA helicase B from tsFT848 temperature-sensitive DNA replication mutant cells. Nucleic Acids Research, 2001, 29, 3835-3840.	6.5	14
86	Evidence for BLM and Topoisomerase IIIalpha interaction in genomic stability. Human Molecular Genetics, 2001, 10, 1287-1298.	1.4	116
87	Functional Interaction of p53 and BLM DNA Helicase in Apoptosis. Journal of Biological Chemistry, 2001, 276, 32948-32955.	1.6	129
88	Direct association of Bloom's syndrome gene product with the human mismatch repair protein MLH1. Nucleic Acids Research, 2001, 29, 4378-4386.	6.5	102
89	Association of yeast DNA topoisomerase III and Sgs1 DNA helicase: Studies of fusion proteins. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 11108-11113.	3.3	41
90	Potential Role for the BLM Helicase in Recombinational Repair via a Conserved Interaction with RAD51. Journal of Biological Chemistry, 2001, 276, 19375-19381.	1.6	267
91	The Bloom's and Werner's syndrome proteins are DNA structure-specific helicases. Nucleic Acids Research, 2001, 29, 2843-2849.	6.5	518

#	ARTICLE	IF	CITATIONS
92	Maintenance of Genome Stability in <i>Saccharomyces cerevisiae</i> . <i>Science</i> , 2002, 297, 552-557.	6.0	442
93	The Bloom's syndrome helicase stimulates the activity of human topoisomerase III α . <i>Nucleic Acids Research</i> , 2002, 30, 4823-4829.	6.5	61
94	Mutations in DNA Replication Genes Reduce Yeast Life Span. <i>Molecular and Cellular Biology</i> , 2002, 22, 4136-4146.	1.1	63
95	G4 DNA unwinding by BLM and Sgs1p: substrate specificity and substrate-specific inhibition. <i>Nucleic Acids Research</i> , 2002, 30, 3954-3961.	6.5	189
96	DNA Damage-induced Translocation of the Werner Helicase Is Regulated by Acetylation. <i>Journal of Biological Chemistry</i> , 2002, 277, 50934-50940.	1.6	121
97	Expression of BLM (the causative gene for Bloom syndrome) and screening of Bloom syndrome. <i>International Journal of Molecular Medicine</i> , 2002, 10, 95.	1.8	4
98	<i>Drosophila melanogaster</i> RECQ5/QE DNA helicase: stimulation by GTP binding. <i>Nucleic Acids Research</i> , 2002, 30, 3682-3691.	6.5	16
99	Topoisomerase III is required for accurate DNA replication and chromosome segregation in <i>Schizosaccharomyces pombe</i> . <i>Nucleic Acids Research</i> , 2002, 30, 4022-4031.	6.5	12
100	Identification of delta helicase as the bovine homolog of HUPF1: demonstration of an interaction with the third subunit of DNA polymerase delta. <i>Nucleic Acids Research</i> , 2002, 30, 2232-2243.	6.5	28
101	DNase I Footprinting and Enhanced Exonuclease Function of the Bipartite Werner Syndrome Protein (WRN) Bound to Partially Melted Duplex DNA. <i>Journal of Biological Chemistry</i> , 2002, 277, 4492-4504.	1.6	31
102	SGS1 is a multicopy suppressor of srs2: functional overlap between DNA helicases. <i>Nucleic Acids Research</i> , 2002, 30, 1103-1113.	6.5	55
103	Etiology of Osteosarcoma. <i>Clinical Orthopaedics and Related Research</i> , 2002, 397, 40-52.	0.7	198
105	Functional and physical interaction between Sgs1 and Top3 and Sgs1-independent function of Top3 in DNA recombination repair. <i>Genes and Genetic Systems</i> , 2002, 77, 11-21.	0.2	23
106	Novel endonuclease in Archaea cleaving DNA with various branched structure. <i>Genes and Genetic Systems</i> , 2002, 77, 227-241.	0.2	88
107	Helicases as Molecular Motors. , 0, , 179-203.		5
108	RecQ helicases: at the heart of genetic stability. <i>FEBS Letters</i> , 2002, 529, 43-48.	1.3	49
109	Intron-Size Constraint as a Mutational Mechanism in Rothmund-Thomson Syndrome. <i>American Journal of Human Genetics</i> , 2002, 71, 165-167.	2.6	67
110	Defending genome integrity during S-phase: putative roles for RecQ helicases and topoisomerase III. <i>DNA Repair</i> , 2002, 1, 175-207.	1.3	50

#	ARTICLE	IF	CITATIONS
111	Genetic insights into familial cancers – update and recent discoveries. <i>Cancer Letters</i> , 2002, 181, 125-164.	3.2	75
112	Genetic predisposition and screening in pediatric cancer. <i>Pediatric Clinics of North America</i> , 2002, 49, 1393-1413.	0.9	25
113	Elevated incidence of loss of heterozygosity (LOH) in an <i>sgs1</i> mutant of <i>Saccharomyces cerevisiae</i> : roles of yeast RecQ helicase in suppression of aneuploidy, interchromosomal rearrangement, and the simultaneous incidence of both events during mitotic growth. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2002, 504, 157-172.	0.4	21
114	An unusual mutation in RECQ4 gene leading to Rothmund-Thomson syndrome. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2002, 508, 99-105.	0.4	29
115	Recombinational DNA repair and human disease. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2002, 509, 49-78.	0.4	355
116	RecQ helicases and cellular responses to DNA damage. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2002, 509, 35-47.	0.4	34
117	Chromosome breakage syndromes and cancer. <i>American Journal of Medical Genetics Part A</i> , 2002, 115, 125-129.	2.4	66
118	Rothmund-Thomson Syndrome in Three Siblings and Development of Cutaneous Squamous Cell Carcinoma. <i>Pediatric Dermatology</i> , 2002, 19, 312-316.	0.5	27
119	Coaction of DNA topoisomerase III β and a RecQ homologue during the germ-line mitosis in <i>Caenorhabditis elegans</i> . <i>Genes To Cells</i> , 2002, 7, 19-27.	0.5	15
120	Diagnosis of Werner syndrome by immunoblot analysis. <i>Clinical and Experimental Dermatology</i> , 2002, 27, 157-159.	0.6	11
121	Helicase activity is only partially required for <i>Schizosaccharomyces pombe</i> Rqh1p function. <i>Yeast</i> , 2002, 19, 1381-1398.	0.8	16
122	Werner and Bloom helicases are involved in DNA repair in a complementary fashion. <i>Oncogene</i> , 2002, 21, 954-963.	2.6	102
123	Isolation of HELAD1, a novel human helicase gene up-regulated in colorectal carcinomas. <i>Oncogene</i> , 2002, 21, 6387-6394.	2.6	32
124	RecQ family helicases: roles as tumor suppressor proteins. <i>Oncogene</i> , 2002, 21, 9008-9021.	2.6	82
125	RecQ helicases and topoisomerase III in cancer and aging. <i>Biogerontology</i> , 2003, 4, 275-287.	2.0	14
126	High-resolution structure of the <i>E. coli</i> RecQ helicase catalytic core. <i>EMBO Journal</i> , 2003, 22, 4910-4921.	3.5	220
127	Identification of two novel RECQL4 exonic SNPs and genomic characterization of the IVS12 minisatellite. <i>Journal of Human Genetics</i> , 2003, 48, 0107-0109.	1.1	1
128	The N-terminal domain of the large subunit of human replication protein A binds to Werner syndrome protein and stimulates helicase activity. <i>Mechanisms of Ageing and Development</i> , 2003, 124, 921-930.	2.2	60

#	ARTICLE	IF	CITATIONS
129	Absence of RECQL4 mutations in poikiloderma with neutropenia in Navajo and non-Navajo patients. American Journal of Medical Genetics Part A, 2003, 118A, 299-301.	2.4	36
130	RNA processing defects of the helicase gene RECQL4 in a compound heterozygous Rothmund-Thomson patient. American Journal of Medical Genetics Part A, 2003, 120A, 395-399.	2.4	29
131	Mechanisms of human DNA repair: an update. Toxicology, 2003, 193, 3-34.	2.0	486
132	RecQ helicases: caretakers of the genome. Nature Reviews Cancer, 2003, 3, 169-178.	12.8	634
133	Human diseases deficient in RecQ helicases. Biochimie, 2003, 85, 1185-1193.	1.3	39
134	Deficiency of Caenorhabditis elegans RecQ5 homologue reduces life span and increases sensitivity to ionizing radiation. DNA Repair, 2003, 2, 1309-1319.	1.3	26
135	Characterization and Mutational Analysis of the RecQ Core of the Bloom Syndrome Protein. Journal of Molecular Biology, 2003, 330, 29-42.	2.0	113
136	Ocular Manifestations in the Inherited DNA Repair Disorders. Survey of Ophthalmology, 2003, 48, 107-122.	1.7	100
137	Functional Relation among RecQ Family Helicases RecQL1, RecQL5, and BLM in Cell Growth and Sister Chromatid Exchange Formation. Molecular and Cellular Biology, 2003, 23, 3527-3535.	1.1	87
138	Biochemical Characterization of an Exonuclease from Arabidopsis thaliana Reveals Similarities to the DNA Exonuclease of the Human Werner Syndrome Protein. Journal of Biological Chemistry, 2003, 278, 44128-44138.	1.6	24
139	Molecular defect of RAPADILINO syndrome expands the phenotype spectrum of RECQL diseases. Human Molecular Genetics, 2003, 12, 2837-2844.	1.4	169
140	Association Between Osteosarcoma and Deleterious Mutations in the RECQL4 Gene in Rothmund-Thomson Syndrome. Journal of the National Cancer Institute, 2003, 95, 669-674.	3.0	290
141	RecQ Helicase Stimulates Both DNA Catenation and Changes in DNA Topology by Topoisomerase III. Journal of Biological Chemistry, 2003, 278, 42668-42678.	1.6	69
142	Functional Interaction between the Bloom's Syndrome Helicase and the RAD51 Paralog, RAD51L3 (RAD51D). Journal of Biological Chemistry, 2003, 278, 48357-48366.	1.6	73
143	Growth retardation and skin abnormalities of the Recql4-deficient mouse. Human Molecular Genetics, 2003, 12, 2293-2299.	1.4	101
144	A Multiprotein Nuclear Complex Connects Fanconi Anemia and Bloom Syndrome. Molecular and Cellular Biology, 2003, 23, 3417-3426.	1.1	329
145	The Bloom's Syndrome Helicase Interacts Directly with the Human DNA Mismatch Repair Protein hMSH6. Biological Chemistry, 2003, 384, 1155-64.	1.2	47
146	Characterization of the DNA-unwinding Activity of Human RECQL1, a Helicase Specifically Stimulated by Human Replication Protein A. Journal of Biological Chemistry, 2003, 278, 1424-1432.	1.6	71

#	ARTICLE	IF	CITATIONS
147	Saccharomyces cerevisiae chromatin-assembly factors that act during DNA replication function in the maintenance of genome stability. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 6640-6645.	3.3	136
148	Domain mapping of Escherichia coli RecQ defines the roles of conserved N- and C-terminal regions in the RecQ family. Nucleic Acids Research, 2003, 31, 2778-2785.	6.5	77
149	Roles of the RecJ and RecQ proteins in spontaneous formation of deletion mutations in the Escherichia coli K12 endogenous tonB gene. Mutagenesis, 2003, 18, 355-363.	1.0	9
150	Analysis of helicase activity and substrate specificity of Drosophila RECQ5. Nucleic Acids Research, 2003, 31, 1554-1564.	6.5	46
151	RecQ helicases: suppressors of tumorigenesis and premature aging. Biochemical Journal, 2003, 374, 577-606.	1.7	352
152	Requirement for Schizosaccharomyces pombe Top3 in the maintenance of chromosome integrity. Journal of Cell Science, 2004, 117, 4769-4778.	1.2	20
153	Formation of deletions during double-strand break repair in Drosophila DmBlm mutants occurs after strand invasion. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 15694-15699.	3.3	83
154	Multiple Genetic Pathways Involving the Caenorhabditis elegans Bloom's Syndrome Genes him-6 , rad-51 , and top-3 Are Needed To Maintain Genome Stability in the Germ Line. Molecular and Cellular Biology, 2004, 24, 5016-5027.	1.1	74
155	Stimulation of Flap Endonuclease-1 by the Bloom's Syndrome Protein. Journal of Biological Chemistry, 2004, 279, 9847-9856.	1.6	85
156	Biochemical and Kinetic Characterization of the DNA Helicase and Exonuclease Activities of Werner Syndrome Protein. Journal of Biological Chemistry, 2004, 279, 34603-34613.	1.6	57
157	Genetic Interactions between BLM and DNA Ligase IV in Human Cells. Journal of Biological Chemistry, 2004, 279, 55433-55442.	1.6	55
158	WRN Helicase and FEN-1 Form a Complex upon Replication Arrest and Together Process Branchmigrating DNA Structures Associated with the Replication Fork. Molecular Biology of the Cell, 2004, 15, 734-750.	0.9	125
159	The DNA Binding Properties of the Escherichia coli RecQ Helicase. Journal of Biological Chemistry, 2004, 279, 6354-6363.	1.6	48
160	Increased Genome Instability and Telomere Length in the elg1 -Deficient Saccharomyces cerevisiae Mutant Are Regulated by S-Phase Checkpoints. Eukaryotic Cell, 2004, 3, 1557-1566.	3.4	44
161	Phosphorylation of the Bloom's Syndrome Helicase and Its Role in Recovery from S-Phase Arrest. Molecular and Cellular Biology, 2004, 24, 1279-1291.	1.1	193
163	RECQL4, mutated in the Rothmund-Thomson and RAPADILINO syndromes, interacts with ubiquitin ligases UBR1 and UBR2 of the N-end rule pathway. Human Molecular Genetics, 2004, 13, 2421-2430.	1.4	96
164	A case of mandibuloacral dysplasia presenting with features of scleroderma. International Journal of Clinical Practice, 2004, 58, 635-638.	0.8	1
165	Diagnosis in dysmorphology: clues from the skin. British Journal of Dermatology, 2004, 151, 953-960.	1.4	13

#	ARTICLE	IF	CITATIONS
166	Expression of Werner and Bloom syndrome genes is differentially regulated by in vitro HIV-1 infection of peripheral blood mononuclear cells. <i>Clinical and Experimental Immunology</i> , 2004, 138, 251-258.	1.1	3
167	Disruption of the BLM gene in ATM-null DT40 cells does not exacerbate either phenotype. <i>Oncogene</i> , 2004, 23, 1498-1506.	2.6	7
168	Molecular biology of Werner syndrome. <i>International Journal of Clinical Oncology</i> , 2004, 9, 288-298.	1.0	31
169	Rothmund-Thomson syndrome, Klippel-Feil syndrome, and osteosarcoma. <i>Skeletal Radiology</i> , 2004, 33, 613-5.	1.2	12
170	Ectodermal dysplasias. <i>American Journal of Medical Genetics Part A</i> , 2004, 131C, 45-51.	2.4	136
171	Mutation analysis of the RECQL4 gene in sporadic osteosarcomas. <i>International Journal of Cancer</i> , 2004, 111, 367-372.	2.3	44
172	Structure and Function of RecQ DNA Helicases. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2004, 39, 79-97.	2.3	89
173	Role of the Escherichia coli RecQ DNA helicase in SOS signaling and genome stabilization at stalled replication forks. <i>Genes and Development</i> , 2004, 18, 1886-1897.	2.7	116
174	Genetic and physiological regulation of non-homologous end-joining in mammalian cells. <i>Advances in Biophysics</i> , 2004, 38, 21-44.	0.6	29
175	Cell death promoted by homologous DNA interaction from bacteria to humans. <i>Advances in Biophysics</i> , 2004, 38, 81-96.	0.6	0
176	The possible roles of the DNA helicase and C-terminal domains in RECQ5/QE: complementation study in yeast. <i>DNA Repair</i> , 2004, 3, 369-378.	1.3	10
177	The hyper unequal sister chromatid recombination in an sgs1 mutant of budding yeast requires MSH2. <i>DNA Repair</i> , 2004, 3, 1355-1362.	1.3	14
178	A Patient With Rothmund-Thomson Syndrome and All Features of RAPADILINO. <i>Archives of Dermatology</i> , 2005, 141, 617-20.	1.7	21
179	Direct visualization of RecQ helicase-DNA interaction with fluorescence microscopy and atomic force microscopy. <i>Science and Technology of Advanced Materials</i> , 2005, 6, 842-847.	2.8	2
180	Human syndromes with congenital patellar anomalies and the underlying gene defects. <i>Clinical Genetics</i> , 2005, 68, 302-319.	1.0	61
181	Arabidopsis RecQ1A suppresses homologous recombination and modulates DNA damage responses. <i>Plant Journal</i> , 2005, 43, 789-798.	2.8	47
182	Molecular aetiology and pathogenesis of basal cell carcinoma. <i>British Journal of Dermatology</i> , 2005, 152, 1108-1124.	1.4	115
183	Functional relationships of FANCC to homologous recombination, translesion synthesis, and BLM. <i>EMBO Journal</i> , 2005, 24, 418-427.	3.5	117

#	ARTICLE	IF	CITATIONS
184	BLAP75, an essential component of Bloom's syndrome protein complexes that maintain genome integrity. <i>EMBO Journal</i> , 2005, 24, 1465-1476.	3.5	170
185	Opposing roles for DNA structure-specific proteins Rad1, Msh2, Msh3, and Sgs1 in yeast gene targeting. <i>EMBO Journal</i> , 2005, 24, 2214-2223.	3.5	35
186	The HRDC domain of BLM is required for the dissolution of double Holliday junctions. <i>EMBO Journal</i> , 2005, 24, 2679-2687.	3.5	150
187	RecQ Helicase-catalyzed DNA Unwinding Detected by Fluorescence Resonance Energy Transfer. <i>Acta Biochimica Et Biophysica Sinica</i> , 2005, 37, 593-600.	0.9	13
188	Conferring Substrate Specificity to DNA Helicases: Role of the RecQ HRDC Domain. <i>Structure</i> , 2005, 13, 1173-1182.	1.6	81
189	Clericuzio type poikiloderma with neutropenia is distinct from Rothmund-Thomson syndrome. <i>American Journal of Medical Genetics, Part A</i> , 2005, 132A, 152-158.	0.7	32
190	Roles of SGS1, MUS81, and RAD51 in the repair of lagging-strand replication defects in <i>Saccharomyces cerevisiae</i> . <i>Current Genetics</i> , 2005, 48, 213-225.	0.8	41
191	Werner Protein Protects Nonproliferating Cells from Oxidative DNA Damage. <i>Molecular and Cellular Biology</i> , 2005, 25, 10492-10506.	1.1	85
192	Defective sister-chromatid cohesion, aneuploidy and cancer predisposition in a mouse model of type II Rothmund-Thomson syndrome. <i>Human Molecular Genetics</i> , 2005, 14, 813-825.	1.4	144
193	Recql5 and Blm RecQ DNA Helicases Have Nonredundant Roles in Suppressing Crossovers. <i>Molecular and Cellular Biology</i> , 2005, 25, 3431-3442.	1.1	117
194	A role for the fission yeast Rqh1 helicase in chromosome segregation. <i>Journal of Cell Science</i> , 2005, 118, 5777-5784.	1.2	36
195	Shared Phenotypes Among Segmental Progeroid Syndromes Suggest Underlying Pathways of Aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2005, 60, 10-20.	1.7	58
196	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.	1.2	120
197	RecQ Family Members Combine Strand Pairing and Unwinding Activities to Catalyze Strand Exchange. <i>Journal of Biological Chemistry</i> , 2005, 280, 23397-23407.	1.6	112
198	Biochemical Analysis of the DNA Unwinding and Strand Annealing Activities Catalyzed by Human RECQ1*. <i>Journal of Biological Chemistry</i> , 2005, 280, 28072-28084.	1.6	148
199	<i>Drosophila melanogaster</i> Topoisomerase III \pm Preferentially Relaxes a Positively or Negatively Supercoiled Bubble Substrate and Is Essential during Development*. <i>Journal of Biological Chemistry</i> , 2005, 280, 3564-3573.	1.6	39
200	Srs2 and RecQ homologs cooperate in mei-3-mediated homologous recombination repair of <i>Neurospora crassa</i> . <i>Nucleic Acids Research</i> , 2005, 33, 1848-1858.	6.5	13
201	Interaction of Werner and Bloom syndrome genes with p53 in familial breast cancer. <i>Carcinogenesis</i> , 2005, 27, 1655-1660.	1.3	47

#	ARTICLE	IF	CITATIONS
202	Initiation of DNA Replication Requires the RECQL4 Protein Mutated in Rothmund-Thomson Syndrome. <i>Cell</i> , 2005, 121, 887-898.	13.5	263
203	The ability of Sgs1 to interact with DNA topoisomerase III is essential for damage-induced recombination. <i>DNA Repair</i> , 2005, 4, 191-201.	1.3	41
204	Suppression of gross chromosomal rearrangements by the multiple functions of the Mre11â€“Rad50â€“Xrs2 complex in <i>Saccharomyces cerevisiae</i> . <i>DNA Repair</i> , 2005, 4, 606-617.	1.3	34
205	Genetic alterations in accelerated ageing syndromes. <i>International Journal of Biochemistry and Cell Biology</i> , 2005, 37, 947-960.	1.2	47
208	Control of Translocations between Highly Diverged Genes by Sgs1, the <i>Saccharomyces cerevisiae</i> Homolog of the Bloom's Syndrome Protein. <i>Molecular and Cellular Biology</i> , 2006, 26, 5406-5420.	1.1	62
210	Sit down, relax and unwind: structural insights into RecQ helicase mechanisms. <i>Nucleic Acids Research</i> , 2006, 34, 4098-4105.	6.5	56
211	Relationships of <i>Drosophila melanogaster</i> RECQ5/QE to cell-cycle progression and DNA damage. <i>FEBS Letters</i> , 2006, 580, 6938-6942.	1.3	6
212	DNA Helicases Required for Homologous Recombination and Repair of Damaged Replication Forks. <i>Annual Review of Genetics</i> , 2006, 40, 279-306.	3.2	155
213	The Werner and Bloom Syndrome Proteins Catalyze Regression of a Model Replication Fork. <i>Biochemistry</i> , 2006, 45, 13939-13946.	1.2	127
214	Recql4 haploinsufficiency in mice leads to defects in osteoblast progenitors: Implications for low bone mass phenotype. <i>Biochemical and Biophysical Research Communications</i> , 2006, 344, 346-352.	1.0	14
215	RECQL4-deficient cells are hypersensitive to oxidative stress/damage: Insights for osteosarcoma prevalence and heterogeneity in Rothmund-Thomson syndrome. <i>Biochemical and Biophysical Research Communications</i> , 2006, 345, 403-409.	1.0	68
216	Characterization of four RecQ homologues from rice (<i>Oryza sativa</i> L. cv. Nipponbare). <i>Biochemical and Biophysical Research Communications</i> , 2006, 345, 1283-1291.	1.0	15
217	Rothmundâ€“Thomson syndrome and RECQL4 defect: Splitting and lumping. <i>Cancer Letters</i> , 2006, 232, 107-120.	3.2	74
218	Biochemical characterization of the RECQ4 protein, mutated in Rothmund-Thomson syndrome. <i>DNA Repair</i> , 2006, 5, 172-180.	1.3	131
219	The RecQ gene family in plants. <i>Journal of Plant Physiology</i> , 2006, 163, 287-296.	1.6	65
220	Werner syndrome: molecular insights into the relationships between defective DNA metabolism, genomic instability, cancer and aging. <i>Frontiers in Bioscience - Landmark</i> , 2006, 11, 2657.	3.0	33
222	Mechanisms of eukaryotic DNA double strand break repair. <i>Frontiers in Bioscience - Landmark</i> , 2006, 11, 1958.	3.0	108
225	RECQ5/QE DNA Helicase Interacts with Retrotransposon mdg3 gag, an HIV Nucleocapsid-Related Protein. <i>Journal of Health Science</i> , 2006, 52, 24-29.	0.9	3

#	ARTICLE	IF	CITATIONS
226	Competition between the DNA unwinding and strand pairing activities of the Werner and Bloom syndrome proteins. <i>BMC Molecular Biology</i> , 2006, 7, 1.	3.0	90
227	Length-dependent degradation of single-stranded 3' ends by the Werner syndrome protein (WRN): implications for spatial orientation and coordinated 3' to 5' movement of its ATPase/helicase and exonuclease domains. <i>BMC Molecular Biology</i> , 2006, 7, 6.	3.0	18
228	Successful umbilical cord blood stem cell transplantation in a patient with Rothmund-Thomson syndrome and combined immunodeficiency. <i>Clinical Genetics</i> , 2006, 69, 337-343.	1.0	28
229	Premature Aging and Predisposition to Cancers Caused by Mutations in RecQ Family Helicases. <i>Annals of the New York Academy of Sciences</i> , 2001, 928, 121-131.	1.8	57
230	The Werner Syndrome: A Model for the Study of Human Aging. <i>Annals of the New York Academy of Sciences</i> , 2000, 908, 167-179.	1.8	50
231	Characterization of ATPase Activity of Recombinant Human Pif1. <i>Acta Biochimica Et Biophysica Sinica</i> , 2006, 38, 335-341.	0.9	7
232	An unusual patient with Rothmund-Thomson syndrome, porokeratosis and bilateral iris dysgenesis. <i>Clinical and Experimental Dermatology</i> , 2006, 31, 401-403.	0.6	15
233	Oligonucleotide cleavage and rejoining by topoisomerase III from the hyperthermophilic archaeon <i>Sulfolobus solfataricus</i> : temperature dependence and strand annealing-promoted DNA religation. <i>Molecular Microbiology</i> , 2006, 60, 783-794.	1.2	14
234	The Rothmund-Thomson gene product RECQL4 localizes to the nucleolus in response to oxidative stress. <i>Experimental Cell Research</i> , 2006, 312, 3443-3457.	1.2	70
235	Loss of Ubr2, an E3 ubiquitin ligase, leads to chromosome fragility and impaired homologous recombinational repair. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2006, 596, 64-75.	0.4	22
236	Evidence that the <i>S.cerevisiae</i> Sgs1 protein facilitates recombinational repair of telomeres during senescence. <i>Nucleic Acids Research</i> , 2006, 34, 506-516.	6.5	62
237	Mobile D-loops are a preferred substrate for the Bloom's syndrome helicase. <i>Nucleic Acids Research</i> , 2006, 34, 2269-2279.	6.5	202
238	The role of AtMUS81 in DNA repair and its genetic interaction with the helicase AtRecQ4A. <i>Nucleic Acids Research</i> , 2006, 34, 4438-4448.	6.5	113
239	The versatile RECQL4. <i>Genetics in Medicine</i> , 2006, 8, 213-216.	1.1	21
240	Accumulation of FFA-1, the <i>Xenopus</i> Homolog of Werner Helicase, and DNA Polymerase $\hat{\gamma}$ on Chromatin in Response to Replication Fork Arrest. <i>Journal of Biochemistry</i> , 2006, 140, 95-103.	0.9	7
241	Three HRDC Domains Differentially Modulate <i>Deinococcus radiodurans</i> RecQ DNA Helicase Biochemical Activity. <i>Journal of Biological Chemistry</i> , 2006, 281, 12849-12857.	1.6	32
242	Top3 Processes Recombination Intermediates and Modulates Checkpoint Activity after DNA Damage. <i>Molecular Biology of the Cell</i> , 2006, 17, 4473-4483.	0.9	38
243	The N-Terminal Noncatalytic Region of <i>Xenopus</i> RecQ4 Is Required for Chromatin Binding of DNA Polymerase $\hat{\alpha}$ in the Initiation of DNA Replication. <i>Molecular and Cellular Biology</i> , 2006, 26, 4843-4852.	1.1	158

#	ARTICLE	IF	CITATIONS
244	Growth Defect and Mutator Phenotypes of RecQ-Deficient <i>Neurospora crassa</i> Mutants Separately Result From Homologous Recombination and Nonhomologous End Joining During Repair of DNA Double-Strand Breaks. <i>Genetics</i> , 2006, 172, 113-125.	1.2	18
245	Differential Usage of Alternative Pathways of Double-Strand Break Repair in <i>Drosophila</i> . <i>Genetics</i> , 2006, 172, 1055-1068.	1.2	84
246	Suppression of spontaneous genome rearrangements in yeast DNA helicase mutants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 18196-18201.	3.3	42
247	<i>Escherichia coli</i> RecQ Is a Rapid, Efficient, and Monomeric Helicase. <i>Journal of Biological Chemistry</i> , 2006, 281, 12655-12663.	1.6	62
248	Mechanisms of Helicases. <i>Journal of Biological Chemistry</i> , 2006, 281, 18265-18268.	1.6	197
249	Dyskeratosis congenita: a disorder of telomerase deficiency and its relationship to other diseases. <i>Expert Review of Dermatology</i> , 2006, 1, 463-479.	0.3	7
250	Functional interactions between BLM and XRCC3 in the cell. <i>Journal of Cell Biology</i> , 2007, 179, 53-63.	2.3	20
251	Clinicopathologic Features of Osteosarcoma in Patients With Rothmund-Thomson Syndrome. <i>Journal of Clinical Oncology</i> , 2007, 25, 370-375.	0.8	69
252	DNA strand displacement, strand annealing and strand swapping by the <i>Drosophila</i> Bloom's syndrome helicase. <i>Nucleic Acids Research</i> , 2007, 35, 1367-1376.	6.5	28
253	Absence of p53 Enhances Growth Defects and Etoposide Sensitivity of Human Cells Lacking the Bloom Syndrome Helicase BLM. <i>DNA and Cell Biology</i> , 2007, 26, 517-525.	0.9	8
254	RECQL, a Member of the RecQ Family of DNA Helicases, Suppresses Chromosomal Instability. <i>Molecular and Cellular Biology</i> , 2007, 27, 1784-1794.	1.1	107
255	Manipulating Mitotic Recombination in the Zebrafish Embryo Through RecQ Helicases. <i>Genetics</i> , 2007, 176, 1339-1342.	1.2	4
256	Replication fork regression in vitro by the Werner syndrome protein (WRN): Holliday junction formation, the effect of leading arm structure and a potential role for WRN exonuclease activity. <i>Nucleic Acids Research</i> , 2007, 35, 5729-5747.	6.5	58
257	Short root anomaly associated with Rothmund-Thomson syndrome. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2007, 103, e19-e22.	1.6	24
258	Genome instability and DNA damage accumulation in gene-targeted mice. <i>Neuroscience</i> , 2007, 145, 1309-1317.	1.1	11
259	Ageing or cancer: A review. <i>European Journal of Cancer</i> , 2007, 43, 2144-2152.	1.3	62
260	Nuclear import and retention domains in the amino terminus of RECQL4. <i>Gene</i> , 2007, 391, 26-38.	1.0	44
261	A new molecular model of cellular aging based on Werner syndrome. <i>Medical Hypotheses</i> , 2007, 68, 770-780.	0.8	9

#	ARTICLE	IF	CITATIONS
262	Possible involvement of RecQL4 in the repair of double-strand DNA breaks in <i>Xenopus</i> egg extracts. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2007, 1773, 556-564.	1.9	38
263	Interaction of the Groups of Cancer-Related Gene Products. , 2007, , 337-351.		0
264	A Central Role for SSB in <i>Escherichia coli</i> RecQ DNA Helicase Function. <i>Journal of Biological Chemistry</i> , 2007, 282, 19247-19258.	1.6	130
265	Human premature aging, DNA repair and RecQ helicases. <i>Nucleic Acids Research</i> , 2007, 35, 7527-7544.	6.5	186
266	RÃ©paratases et poÃªkilodermies congÃ©nitales avec photosensibilitÃ©. <i>Annales De Dermatologie Et De Venereologie</i> , 2007, 134, 65-72.	0.5	0
267	Genetic Basis for Congenital Heart Defects: Current Knowledge. <i>Circulation</i> , 2007, 115, 3015-3038.	1.6	719
268	Rmi1, a member of the Sgs1-Top3 complex in budding yeast, contributes to sister chromatid cohesion. <i>EMBO Reports</i> , 2007, 8, 685-690.	2.0	14
269	Bronchiectasis in two pediatric patients with Rothmund-Thomson syndrome. <i>Pediatrics International</i> , 2007, 49, 118-120.	0.2	6
270	Induction of mitotic cell death in cancer cells by small interference RNA suppressing the expression of RecQL1 helicase. <i>Cancer Science</i> , 2007, 99, 071113200242004-???	1.7	40
271	Functional role of the Werner syndrome RecQ helicase in human fibroblasts. <i>Aging Cell</i> , 2007, 6, 53-61.	3.0	64
272	Role of the BLM helicase in replication fork management. <i>DNA Repair</i> , 2007, 6, 936-944.	1.3	56
273	Interaction of human SUV3 RNA/DNA helicase with BLM helicase; loss of the SUV3 gene results in mouse embryonic lethality. <i>Mechanisms of Ageing and Development</i> , 2007, 128, 609-617.	2.2	29
274	Human progeroid syndromes, aging and cancer: new genetic and epigenetic insights into old questions. <i>Cellular and Molecular Life Sciences</i> , 2007, 64, 155-170.	2.4	77
275	The molecular role of the Rothmund-Thomson-, RAPADILINO- and Baller-Gerold-gene product, RECQL4: recent progress. <i>Cellular and Molecular Life Sciences</i> , 2007, 64, 796-802.	2.4	45
276	Molecular genetics of RecQ helicase disorders. <i>Cellular and Molecular Life Sciences</i> , 2007, 64, 2306-2322.	2.4	112
277	Mutational analysis of the breast cancer susceptibility gene BRIP1 /BACH1/FANCI in high-risk non-BRCA1/BRCA2 breast cancer families. <i>Journal of Human Genetics</i> , 2008, 53, 579-591.	1.1	37
278	RecQ helicases: guardian angels of the DNA replication fork. <i>Chromosoma</i> , 2008, 117, 219-233.	1.0	167
279	Atypical Rothmund-Thomson syndrome in a patient with compound Heterozygous Mutations in RECQL4 Gene and phenotypic features in RECQL4 syndromes. <i>European Journal of Pediatrics</i> , 2008, 167, 175-181.	1.3	15

#	ARTICLE	IF	CITATIONS
280	Sensitivity of RECQL4-deficient fibroblasts from Rothmund-Thomson syndrome patients to genotoxic agents. <i>Human Genetics</i> , 2008, 123, 643-653.	1.8	71
281	Pediatric sarcomas occurring in adults. <i>Journal of Surgical Oncology</i> , 2008, 97, 360-368.	0.8	32
282	Poikiloderma with neutropenia, Clericuzio type, in a family from Morocco. <i>American Journal of Medical Genetics, Part A</i> , 2008, 146A, 2762-2769.	0.7	38
283	In silico analyses of a new group of fungal and plant RecQ4-homologous proteins. <i>Computational Biology and Chemistry</i> , 2008, 32, 349-358.	1.1	30
284	Homologous recombination and maintenance of genome integrity: Cancer and aging through the prism of human RecQ helicases. <i>Mechanisms of Ageing and Development</i> , 2008, 129, 425-440.	2.2	70
285	Multiple cutaneous neoplasms in a patient with Rothmund-Thomson syndrome: Case report and published work review. <i>Journal of Dermatology</i> , 2008, 35, 154-161.	0.6	66
286	The genetic consequences of ablating helicase activity and the Top3 interaction domain of Sgs1. <i>DNA Repair</i> , 2008, 7, 558-571.	1.3	20
287	Roles of the Werner syndrome RecQ helicase in DNA replication. <i>DNA Repair</i> , 2008, 7, 1776-1786.	1.3	64
288	Age to survive: DNA damage and aging. <i>Trends in Genetics</i> , 2008, 24, 77-85.	2.9	230
289	Identification of new RECQL4 mutations in Caucasian Rothmund-Thomson patients and analysis of sensitivity to a wide range of genotoxic agents. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2008, 643, 41-47.	0.4	29
290	Progeria and Progeroid Syndromes (Premature Ageing Disorders). , 2008, , 847-878.		0
292	Drosophila homologue of the Rothmund-Thomson syndrome gene: Essential function in DNA replication during development. <i>Developmental Biology</i> , 2008, 323, 130-142.	0.9	43
293	Analyses of functional interaction between RECQL1, RECQL5, and BLM which physically interact with DNA topoisomerase III α . <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2008, 1782, 75-81.	1.8	12
294	Regulation of WRN Protein Cellular Localization and Enzymatic Activities by SIRT1-mediated Deacetylation. <i>Journal of Biological Chemistry</i> , 2008, 283, 7590-7598.	1.6	159
295	The Fission Yeast BLM Homolog Rqh1 Promotes Meiotic Recombination. <i>Genetics</i> , 2008, 179, 1157-1167.	1.2	29
296	Unique and important consequences of RECQ1 deficiency in mammalian cells. <i>Cell Cycle</i> , 2008, 7, 989-1000.	1.3	41
297	RECQ1 Possesses DNA Branch Migration Activity. <i>Journal of Biological Chemistry</i> , 2008, 283, 20231-20242.	1.6	71
298	The RecQ helicase WRN is required for normal replication fork progression after DNA damage or replication fork arrest. <i>Cell Cycle</i> , 2008, 7, 796-807.	1.3	131

#	ARTICLE	IF	CITATIONS
299	Processing of DNA Replication and Repair Intermediates by the Concerted Action of RecQ Helicases and Rad2 Structure-Specific Nucleases. <i>Protein and Peptide Letters</i> , 2008, 15, 89-102.	0.4	12
300	Structure and function of the regulatory C-terminal HRDC domain from <i>Deinococcus radiodurans</i> RecQ. <i>Nucleic Acids Research</i> , 2008, 36, 3139-3149.	6.5	28
301	RecQ family helicases in genome stability: Lessons from gene disruption studies in DT40 cells. <i>Cell Cycle</i> , 2008, 7, 2472-2478.	1.3	27
302	Radiographic Abnormalities in Rothmund-Thomson Syndrome and Genotype-Phenotype Correlation with RECQL4 Mutation Status. <i>American Journal of Roentgenology</i> , 2008, 191, W62-W66.	1.0	51
303	Vertebrate WRNIP1 and BLM are required for efficient maintenance of genome stability. <i>Genes and Genetic Systems</i> , 2008, 83, 95-100.	0.2	14
306	Replication Protein A Stimulates the Werner Syndrome Protein Branch Migration Activity. <i>Journal of Biological Chemistry</i> , 2009, 284, 34682-34691.	1.6	23
307	<i>Drosophila</i> RecQ4 Has a DNA Helicase Activity That Is Essential for Viability. <i>Journal of Biological Chemistry</i> , 2009, 284, 30845-30852.	1.6	33
308	Direct and indirect roles of RECQL4 in modulating base excision repair capacity. <i>Human Molecular Genetics</i> , 2009, 18, 3470-3483.	1.4	75
309	p300-mediated acetylation of the Rothmund-Thomson-syndrome gene product RECQL4 regulates its subcellular localization. <i>Journal of Cell Science</i> , 2009, 122, 1258-1267.	1.2	45
310	Recql5 Plays an Important Role in DNA Replication and Cell Survival after Camptothecin Treatment. <i>Molecular Biology of the Cell</i> , 2009, 20, 114-123.	0.9	55
311	Biomarkers in osteosarcoma. <i>Expert Opinion on Medical Diagnostics</i> , 2009, 3, 13-23.	1.6	41
312	Genetics of Radial Deficiencies. <i>Journal of Bone and Joint Surgery - Series A</i> , 2009, 91, 81-86.	1.4	21
313	Structure of the human RECQ1 helicase reveals a putative strand-separation pin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 1039-1044.	3.3	111
314	DNA Helicase Activity in Purified Human RECQL4 Protein. <i>Journal of Biochemistry</i> , 2009, 146, 327-335.	0.9	41
315	Bloom DNA Helicase Facilitates Homologous Recombination between Diverged Homologous Sequences. <i>Journal of Biological Chemistry</i> , 2009, 284, 26360-26367.	1.6	28
316	The DNA Damage Response: Implications on Cancer Formation and Treatment. , 2009, , .		6
317	The Fanconi anemia protein interaction network: Casting a wide net. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2009, 668, 27-41.	0.4	20
318	Loss of RecQ5 leads to spontaneous mitotic defects and chromosomal aberrations in <i>Drosophila melanogaster</i> . <i>DNA Repair</i> , 2009, 8, 232-241.	1.3	20

#	ARTICLE	IF	CITATIONS
319	A patient with Ballerâ€™Gerold syndrome and midline NK/T lymphoma. American Journal of Medical Genetics, Part A, 2009, 149A, 755-759.	0.7	23
320	Roles of RECQ helicases in recombination based DNA repair, genomic stability and aging. Biogerontology, 2009, 10, 235-252.	2.0	75
321	RecQ DNA helicase HRDC domains are critical determinants in <i>Neisseria gonorrhoeae</i> pilin antigenic variation and DNA repair. Molecular Microbiology, 2009, 71, 158-171.	1.2	11
322	The mutation spectrum in RECQL4 diseases. European Journal of Human Genetics, 2009, 17, 151-158.	1.4	189
323	RecQ helicases: multifunctional genome caretakers. Nature Reviews Cancer, 2009, 9, 644-654.	12.8	423
324	Genome dynamics in major bacterial pathogens. FEMS Microbiology Reviews, 2009, 33, 453-470.	3.9	95
325	Identification of the SSB Binding Site on E. coli RecQ Reveals a Conserved Surface for Binding SSB's C Terminus. Journal of Molecular Biology, 2009, 386, 612-625.	2.0	84
326	Does BLM helicase unwind nucleosomal DNA?. Biochemistry and Cell Biology, 2009, 87, 875-882.	0.9	2
327	The Etiology of Osteosarcoma. Cancer Treatment and Research, 2009, 152, 15-32.	0.2	177
328	Effects of Estrogenic Agents 17.BETA-Estradiol (E2) and Bisphenol A on the Expression of RecQ DNA Helicases in Mammary Tumor MCF-7 Cells. Journal of Health Science, 2009, 55, 119-124.	0.9	0
330	Human RECQ helicases: Roles in DNA metabolism, mutagenesis and cancer biology. Seminars in Cancer Biology, 2010, 20, 329-339.	4.3	106
331	Divergent cellular phenotypes of human and mouse cells lacking the Werner syndrome RecQ helicase. DNA Repair, 2010, 9, 11-22.	1.3	9
332	Yeast as a model system to study RecQ helicase function. DNA Repair, 2010, 9, 303-314.	1.3	51
333	Roles of Werner syndrome protein in protection of genome integrity. DNA Repair, 2010, 9, 331-344.	1.3	183
334	Rothmundâ€™Thomson syndrome helicase, RECQ4: On the crossroad between DNA replication and repair. DNA Repair, 2010, 9, 325-330.	1.3	44
335	Conserved helicase domain of human RecQ4 is required for strand annealing-independent DNA unwinding. DNA Repair, 2010, 9, 796-804.	1.3	61
336	Characterization of various promoter regions of the human DNA helicase-encoding genes and identification of duplicated ets (GGAA) motifs as an essential transcription regulatory element. Experimental Cell Research, 2010, 316, 1523-1534.	1.2	18
337	Role of homologous recombination in DNA interstrand crosslink repair. Environmental and Molecular Mutagenesis, 2010, 51, 582-603.	0.9	52

#	ARTICLE	IF	CITATIONS
338	Multiple malignant diseases in a patient with Rothmund-Thomson syndrome with <i>RECQL4</i> mutations: Case report and literature review. <i>American Journal of Medical Genetics, Part A</i> , 2010, 152A, 1575-1579.	0.7	34
339	The involvement of human <i>RECQL4</i> in DNA double-strand break repair. <i>Aging Cell</i> , 2010, 9, 358-371.	3.0	76
340	Acetylation of WRN Protein Regulates Its Stability by Inhibiting Ubiquitination. <i>PLoS ONE</i> , 2010, 5, e10341.	1.1	49
341	The Ubiquitin Ligase Ubr2, a Recognition E3 Component of the N-End Rule Pathway, Stabilizes Tex19.1 during Spermatogenesis. <i>PLoS ONE</i> , 2010, 5, e14017.	1.1	37
342	Mutations in <i>C16orf57</i> and normal-length telomeres unify a subset of patients with dyskeratosis congenita, poikiloderma with neutropenia and Rothmund-Thomson syndrome. <i>Human Molecular Genetics</i> , 2010, 19, 4453-4461.	1.4	87
343	Human <i>RECQL5</i> stimulates flap endonuclease 1. <i>Nucleic Acids Research</i> , 2010, 38, 2904-2916.	6.5	23
344	Structure and function of the regulatory HRDC domain from human Bloom syndrome protein. <i>Nucleic Acids Research</i> , 2010, 38, 7764-7777.	6.5	39
345	Sumoylation of the BLM ortholog, Sgs1, promotes telomere-telomere recombination in budding yeast. <i>Nucleic Acids Research</i> , 2010, 38, 488-498.	6.5	86
346	The Full-length <i>Saccharomyces cerevisiae</i> Sgs1 Protein Is a Vigorous DNA Helicase That Preferentially Unwinds Holliday Junctions. <i>Journal of Biological Chemistry</i> , 2010, 285, 8290-8301.	1.6	106
347	Altered gene expression in the Werner and Bloom syndromes is associated with sequences having G-quadruplex forming potential. <i>Nucleic Acids Research</i> , 2010, 38, 1114-1122.	6.5	134
348	RecQ4: the second replicative helicase?. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2010, 45, 233-242.	2.3	30
349	Cornelia de Lange Syndrome. <i>Advances in Experimental Medicine and Biology</i> , 2010, , 113-123.	0.8	20
350	Helicase-inactivating mutations as a basis for dominant negative phenotypes. <i>Cell Cycle</i> , 2010, 9, 4080-4090.	1.3	31
351	Rothmund-Thomson syndrome. <i>Orphanet Journal of Rare Diseases</i> , 2010, 5, 2.	1.2	237
352	Granulomatous skin lesions complicating Varicella infection in a patient with Rothmund-Thomson syndrome and immune deficiency: case report. <i>Orphanet Journal of Rare Diseases</i> , 2010, 5, 37.	1.2	26
353	The intergenic region between the Mouse <i>Recql4</i> and <i>Lrrc14</i> genes functions as an evolutionary conserved bidirectional promoter. <i>Gene</i> , 2010, 449, 103-117.	1.0	7
354	Modeling human osteosarcoma in the mouse: From bedside to bench. <i>Bone</i> , 2010, 47, 859-865.	1.4	32
355	The RecQ DNA Helicases in DNA Repair. <i>Annual Review of Genetics</i> , 2010, 44, 393-417.	3.2	265

#	ARTICLE	IF	CITATIONS
356	The Importance of Extracellular Matrix Protein 1 as Basement Membrane Protein in Maintaining Skin Function. , 2010, , 77-91.		2
357	Diseases of DNA Repair. Advances in Experimental Medicine and Biology, 2010, ,	0.8	2
358	The Werner and Bloom Syndrome Proteins Help Resolve Replication Blockage by Converting (Regressed) Holliday Junctions to Functional Replication Forks. Biochemistry, 2011, 50, 6774-6788.	1.2	51
359	The contribution of the S-phase checkpoint genes MEC1 and SGS1 to genome stability maintenance in <i>Candida albicans</i> . Fungal Genetics and Biology, 2011, 48, 823-830.	0.9	28
360	Sgs1 Truncations Induce Genome Rearrangements but Suppress Detrimental Effects of BLM Overexpression in <i>Saccharomyces cerevisiae</i> . Journal of Molecular Biology, 2011, 405, 877-891.	2.0	15
361	Non-B DNA Secondary Structures and Their Resolution by RecQ Helicases. Journal of Nucleic Acids, 2011, 2011, 1-15.	0.8	35
363	Report on a case of Rothmund-Thomson syndrome associated with esophageal stenosis. Ecological Management and Restoration, 2011, 24, E41-E44.	0.2	8
364	Therapy-related myelodysplasia in a patient with Rothmund-Thomson syndrome. European Journal of Haematology, 2011, 86, 536-540.	1.1	9
365	Anaphase DNA bridges induced by lack of RecQ5 in <i>Drosophila</i> syncytial embryos. FEBS Letters, 2011, 585, 1923-1928.	1.3	13
366	The N-terminal region of RECQL4 lacking the helicase domain is both essential and sufficient for the viability of vertebrate cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2011, 1813, 473-479.	1.9	52
367	Photoprotection and abnormal cutaneous photosensitivity. Expert Review of Dermatology, 2011, 6, 455-464.	0.3	1
368	RecQL4: a helicase linking formation and maintenance of a replication fork. Journal of Biochemistry, 2011, 149, 629-631.	0.9	15
369	Molecular Cooperation between the Werner Syndrome Protein and Replication Protein A in Relation to Replication Fork Blockage. Journal of Biological Chemistry, 2011, 286, 3497-3508.	1.6	39
370	The role of DNA helicases and their interaction partners in genome stability and meiotic recombination in plants. Journal of Experimental Botany, 2011, 62, 1565-1579.	2.4	73
371	Pathways for Holliday Junction Processing during Homologous Recombination in <i>Saccharomyces cerevisiae</i> . Molecular and Cellular Biology, 2011, 31, 1921-1933.	1.1	58
372	Suppression of Apoptosis by PIF1 Helicase in Human Tumor Cells. Cancer Research, 2011, 71, 4998-5008.	0.4	35
373	The helicase domain and C-terminus of human RecQL4 facilitate replication elongation on DNA templates damaged by ionizing radiation. Carcinogenesis, 2012, 33, 1203-1210.	1.3	27
374	Rare Copy Number Variants Observed in Hereditary Breast Cancer Cases Disrupt Genes in Estrogen Signaling and TP53 Tumor Suppression Network. PLoS Genetics, 2012, 8, e1002734.	1.5	28

#	ARTICLE	IF	CITATIONS
375	At-Risk Populations for Osteosarcoma: The Syndromes and Beyond. <i>Sarcoma</i> , 2012, 2012, 1-9.	0.7	66
376	The RecQ4 Orthologue Hrq1 Is Critical for DNA Interstrand Cross-Link Repair and Genome Stability in Fission Yeast. <i>Molecular and Cellular Biology</i> , 2012, 32, 276-287.	1.1	32
377	RECQL4, the Protein Mutated in Rothmund-Thomson Syndrome, Functions in Telomere Maintenance. <i>Journal of Biological Chemistry</i> , 2012, 287, 196-209.	1.6	99
378	Regulation of DNA replication during development. <i>Development (Cambridge)</i> , 2012, 139, 455-464.	1.2	93
379	Human RECQL5 participates in the removal of endogenous DNA damage. <i>Molecular Biology of the Cell</i> , 2012, 23, 4273-4285.	0.9	28
380	Hereditary and Congenital Nail Disorders. , 2012, , 485-547.		0
381	Systematic search for neutropenia should be part of the first screening in patients with poikiloderma. <i>European Journal of Medical Genetics</i> , 2012, 55, 8-11.	0.7	22
382	Topoisomerases and Carcinogenesis: Topoisomerase III β and BLM. <i>Cancer Drug Discovery and Development</i> , 2012, , 155-173.	0.2	0
383	RECQL4 is essential for the transport of p53 to mitochondria in normal human cells in the absence of exogenous stress. <i>Journal of Cell Science</i> , 2012, 125, 2509-22.	1.2	88
384	RecQL4 cytoplasmic localization: Implications in mitochondrial DNA oxidative damage repair. <i>International Journal of Biochemistry and Cell Biology</i> , 2012, 44, 1942-1951.	1.2	40
385	Superfamily 2 helicases. <i>Frontiers in Bioscience - Landmark</i> , 2012, 17, 2070.	3.0	109
386	Chronic tibial nonunion in a Rothmund-Thomson syndrome patient. <i>American Journal of Medical Genetics, Part A</i> , 2012, 158A, 2250-2253.	0.7	6
387	Gene expression profiling assigns CHEK2 1100delC breast cancers to the luminal intrinsic subtypes. <i>Breast Cancer Research and Treatment</i> , 2012, 132, 439-448.	1.1	37
388	Diagnostic criteria for Werner syndrome based on Japanese nationwide epidemiological survey. <i>Geriatrics and Gerontology International</i> , 2013, 13, 475-481.	0.7	104
389	The BLM dissolvosome in DNA replication and repair. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 4067-4084.	2.4	92
390	On BLM helicase in recombination-mediated telomere maintenance. <i>Molecular Biology Reports</i> , 2013, 40, 3049-3064.	1.0	12
391	DNA helicases involved in DNA repair and their roles in cancer. <i>Nature Reviews Cancer</i> , 2013, 13, 542-558.	12.8	280
392	Assessment of clinical analytical sensitivity and specificity of next-generation sequencing for detection of simple and complex mutations. <i>BMC Genetics</i> , 2013, 14, 6.	2.7	71

#	ARTICLE	IF	CITATIONS
393	DNA replication arrest leads to enhanced homologous recombination and cell death in meristems of rice OsRecQ14 mutants. <i>BMC Plant Biology</i> , 2013, 13, 62.	1.6	29
394	Congenital Cataracts and Genetic Anomalies of the Lens. , 2013, , 1-25.		1
395	Solution Small Angle X-ray Scattering (SAXS) Studies of RecQ from <i>Deinococcus radiodurans</i> and Its Complexes with Junction DNA Substrates. <i>Journal of Biological Chemistry</i> , 2013, 288, 32414-32423.	1.6	4
396	Discovering New Medicines Targeting Helicases: Challenges and Recent Progress. <i>Journal of Biomolecular Screening</i> , 2013, 18, 761-781.	2.6	93
397	Distinct functions of human RECQ helicases WRN and BLM in replication fork recovery and progression after hydroxyurea-induced stalling. <i>DNA Repair</i> , 2013, 12, 128-139.	1.3	61
398	NMR structure of the N-terminal-most HRDC1 domain of RecQ helicase from <i>Deinococcus radiodurans</i> . <i>FEBS Letters</i> , 2013, 587, 2635-2642.	1.3	5
399	Germline mutations of regulator of telomere elongation helicase 1, RTEL1, in Dyskeratosis congenita. <i>Human Genetics</i> , 2013, 132, 473-480.	1.8	198
400	Werner syndrome: A changing pattern of clinical manifestations in Japan (1917-2008). <i>BioScience Trends</i> , 2013, , .	1.1	43
401	RecQL4 Helicase Amplification Is Involved in Human Breast Tumorigenesis. <i>PLoS ONE</i> , 2013, 8, e69600.	1.1	36
402	Genetic predispositions to childhood leukemia. <i>Therapeutic Advances in Hematology</i> , 2013, 4, 270-290.	1.1	68
403	Different functions for the domains of the <i>Arabidopsis thaliana</i> RMI1 protein in DNA cross-link repair, somatic and meiotic recombination. <i>Nucleic Acids Research</i> , 2013, 41, 9349-9360.	6.5	25
404	RecQ5 Protein Translocation into the Nucleus by a Nuclear Localization Signal. <i>Biological and Pharmaceutical Bulletin</i> , 2013, 36, 1159-1166.	0.6	3
405	Human RECQ helicases: roles in cancer, aging, and inherited disease. <i>Advances in Genomics and Genetics</i> , 2014, , 19.	0.8	0
406	Diseases Associated with Disordered DNA Helicase Function. , 0, , 947-978.		0
407	The level of RECQL1 expression is a prognostic factor for epithelial ovarian cancer. <i>Journal of Ovarian Research</i> , 2014, 7, 107.	1.3	6
408	Strand exchange of telomeric DNA catalyzed by the Werner syndrome protein (WRN) is specifically stimulated by TRF2. <i>Nucleic Acids Research</i> , 2014, 42, 7748-7761.	6.5	20
409	Novel physiological RECQL4 alternative transcript disclosed by molecular characterisation of Rothmund-Thomson Syndrome sibs with mild phenotype. <i>European Journal of Human Genetics</i> , 2014, 22, 1298-1304.	1.4	13
410	RECQL4 and p53 potentiate the activity of polymerase β and maintain the integrity of the human mitochondrial genome. <i>Carcinogenesis</i> , 2014, 35, 34-45.	1.3	55

#	ARTICLE	IF	CITATIONS
411	Defining the roles of the N-terminal region and the helicase activity of RECQ4A in DNA repair and homologous recombination in Arabidopsis. <i>Nucleic Acids Research</i> , 2014, 42, 1684-1697.	6.5	34
412	Rothmund-Thomson syndrome. <i>Indian Dermatology Online Journal</i> , 2014, 5, 518.	0.2	9
414	Tumor suppressor RecQL5 controls recombination induced by DNA crosslinking agents. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014, 1843, 1002-1012.	1.9	11
416	MHF 1 plays Fanconi anaemia complementation group M protein (FANCM)-dependent and FANCM-independent roles in DNA repair and homologous recombination in plants. <i>Plant Journal</i> , 2014, 78, 822-833.	2.8	19
417	A cascade leading to premature aging phenotypes including abnormal tumor profiles in Werner syndrome (Review). <i>International Journal of Molecular Medicine</i> , 2014, 33, 247-253.	1.8	23
418	A Practical Guide to Human Cancer Genetics. , 2014, , .		8
419	Regulation of gene expression by the BLM helicase correlates with the presence of G-quadruplex DNA motifs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 9905-9910.	3.3	108
420	RECQ DNA Helicases and Osteosarcoma. <i>Advances in Experimental Medicine and Biology</i> , 2014, 804, 129-145.	0.8	35
421	Nuclear matrix, nuclear envelope and premature aging syndromes in a translational research perspective. <i>Seminars in Cell and Developmental Biology</i> , 2014, 29, 125-147.	2.3	63
422	Current Advances in Osteosarcoma. <i>Advances in Experimental Medicine and Biology</i> , 2014, , .	0.8	14
423	What Do We Know about the Role of miRNAs in Pediatric Sarcoma?. <i>International Journal of Molecular Sciences</i> , 2015, 16, 16593-16621.	1.8	3
424	Case Report Identification of novel compound heterozygous RECQL4 mutations and prenatal diagnosis of Baller-Gerold syndrome: a case report. <i>Genetics and Molecular Research</i> , 2015, 14, 4757-4766.	0.3	6
425	Multiple Low Energy Long Bone Fractures in the Setting of Rothmund-Thomson Syndrome. <i>Case Reports in Medicine</i> , 2015, 2015, 1-8.	0.3	3
426	Helicases and human diseases. <i>Frontiers in Genetics</i> , 2015, 6, 39.	1.1	17
427	RECQ4 selectively recognizes Holliday junctions. <i>DNA Repair</i> , 2015, 30, 80-89.	1.3	12
428	Atypical plantar keratoderma, pachyonychia and clinodactyly in a patient with Rothmund-Thomson syndrome. <i>Clinical and Experimental Dermatology</i> , 2015, 40, 227-229.	0.6	2
429	Werner Syndrome-specific induced pluripotent stem cells: recovery of telomere function by reprogramming. <i>Frontiers in Genetics</i> , 2015, 6, 10.	1.1	32
430	Rothmund - Thomson syndrome with bronchiectasis: An uncommon phenotype?. <i>Indian Journal of Dermatology, Venereology and Leprology</i> , 2015, 81, 190.	0.2	1

#	ARTICLE	IF	CITATIONS
431	RECQL1 and WRN DNA repair helicases: potential therapeutic targets and proliferative markers against cancers. <i>Frontiers in Genetics</i> , 2014, 5, 441.	1.1	25
432	A recurrent R936X mutation of CYLD gene in a Chinese family with multiple familial trichoepithelioma. <i>Indian Journal of Dermatology, Venereology and Leprology</i> , 2015, 81, 192.	0.2	1
433	Germline RECQL mutations are associated with breast cancer susceptibility. <i>Nature Genetics</i> , 2015, 47, 643-646.	9.4	168
434	â€œâ€ Rewritten in the Skinâ€ Clues to Skin Biology and Aging from Inherited Disease. <i>Journal of Investigative Dermatology</i> , 2015, 135, 1484-1490.	0.3	10
435	Human RECQ1 helicase-driven DNA unwinding, annealing, and branch migration: Insights from DNA complex structures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 4286-4291.	3.3	47
436	Structural mechanisms of DNA binding and unwinding in bacterial RecQ helicases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 4292-4297.	3.3	58
437	RECQL4 Regulates p53 Function In Vivo During Skeletogenesis. <i>Journal of Bone and Mineral Research</i> , 2015, 30, 1077-1089.	3.1	30
438	Modeling osteosarcoma: in vitro and in vivo approaches. , 2015, , 195-204.		1
439	Differential Protein Distribution between the Nucleus and Mitochondria: Implications in Aging. <i>Frontiers in Genetics</i> , 2016, 7, 162.	1.1	33
440	Genetic analysis in a patient with nine primary malignant neoplasms: A rare case of Li-Fraumeni syndrome. <i>Oncology Reports</i> , 2016, 35, 1519-1528.	1.2	3
441	Bloom syndrome complex promotes FANCM recruitment to stalled replication forks and facilitates both repair and traverse of DNA interstrand crosslinks. <i>Cell Discovery</i> , 2016, 2, 16047.	3.1	47
442	How Research on Human Progeroid and Antigeroid Syndromes Can Contribute to the Longevity Dividend Initiative. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2016, 6, a025882.	2.9	16
443	Germline RECQL mutations in high risk Chinese breast cancer patients. <i>Breast Cancer Research and Treatment</i> , 2016, 157, 211-215.	1.1	23
444	Understanding photodermatoses associated with defective DNA repair. <i>Journal of the American Academy of Dermatology</i> , 2016, 75, 855-870.	0.6	16
445	Genomic Instability and Aging. , 2016, , 511-525.		3
446	A novel <i>TP53-KPNA3</i> translocation defines a de novo treatment-resistant clone in osteosarcoma. <i>Journal of Physical Education and Sports Management</i> , 2016, 2, a000992.	0.5	13
447	Osteoporosis in Older Persons. , 2016, , .		6
448	RecQL4 regulates autophagy and apoptosis in U2OS cells. <i>Biochemistry and Cell Biology</i> , 2016, 94, 551-559.	0.9	7

#	ARTICLE	IF	CITATIONS
449	Rothmund-Thomson syndrome: anaesthesia considerations. Southern African Journal of Anaesthesia and Analgesia, 2016, 22, 129-130.	0.1	1
450	Genetics of Osteosarcoma. , 2016, , 3-17.		1
451	Aging in Rothmund-Thomson syndrome and related RECQL4 genetic disorders. Ageing Research Reviews, 2017, 33, 30-35.	5.0	35
452	Bloom's syndrome: Why not premature aging?. Ageing Research Reviews, 2017, 33, 36-51.	5.0	63
453	Rothmund-Thomson syndrome and osteoma cutis in a patient previously diagnosed as COPS syndrome. European Journal of Pediatrics, 2017, 176, 279-283.	1.3	6
455	Generalized metabolic bone disease and fracture risk in Rothmund-Thomson syndrome. Human Molecular Genetics, 2017, 26, 3046-3055.	1.4	13
457	Recommendations for Childhood Cancer Screening and Surveillance in DNA Repair Disorders. Clinical Cancer Research, 2017, 23, e23-e31.	3.2	93
458	Human RECQL4 Helicase Pathogenic Variants, Population Variation and Missing Diseases. Human Mutation, 2017, 38, 193-203.	1.1	24
459	The Extracellular Matrix Protein 1 (ECM1) in Molecular-Based Skin Biology. , 2017, , 91-110.		5
460	Primary immunodeficiency diseases: Genomic approaches delineate heterogeneous Mendelian disorders. Journal of Allergy and Clinical Immunology, 2017, 139, 232-245.	1.5	261
461	Acetylation of BLM protein regulates its function in response to DNA damage. RSC Advances, 2017, 7, 55301-55308.	1.7	4
462	Insights into the RecQ helicase mechanism revealed by the structure of the helicase domain of human RECQL5. Nucleic Acids Research, 2017, 45, gkw1362.	6.5	18
463	Nationwide survey of Baller-Gerold syndrome in Japanese population. Molecular Medicine Reports, 2017, 15, 3222-3224.	1.1	10
464	Cystic Fibrosis, Cystic Fibrosis Transmembrane Conductance Regulator and Drugs: Insights from Cellular Trafficking. Handbook of Experimental Pharmacology, 2018, 245, 385-425.	0.9	10
465	Novel pathogenic RECQL4 variants in Chinese patients with Rothmund-Thomson syndrome. Gene, 2018, 654, 110-115.	1.0	8
466	The RecQ-like helicase HRQ1 is involved in DNA crosslink repair in Arabidopsis in a common pathway with the Fanconi anemia-associated nuclease FAN1 and the postreplicative repair ATPase RAD5A. New Phytologist, 2018, 218, 1478-1490.	3.5	18
467	Fanconi anaemia and cancer: an intricate relationship. Nature Reviews Cancer, 2018, 18, 168-185.	12.8	275
468	Genetics of patella hypoplasia/agenesis. Clinical Genetics, 2018, 94, 43-53.	1.0	13

#	ARTICLE	IF	CITATIONS
469	RecQ and Feâ€S helicases have unique roles in DNA metabolism dictated by their unwinding directionality, substrate specificity, and protein interactions. <i>Biochemical Society Transactions</i> , 2018, 46, 77-95.	1.6	21
472	Murine models of osteosarcoma: A piece of the translational puzzle. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 4241-4250.	1.2	16
473	Human RecQL4 helicase plays multifaceted roles in the genomic stability of normal and cancer cells. <i>Cancer Letters</i> , 2018, 413, 1-10.	3.2	42
474	Predisposing Germline Mutations in Young Patients With Squamous Cell Cancer of the Oral Cavity. <i>JCO Precision Oncology</i> , 2018, 2, 1-8.	1.5	8
475	Hereditary and Congenital Nail Disorders. , 2018, , 213-296.		0
476	RecQL4-Aurora B kinase axis is essential for cellular proliferation, cell cycle progression, and mitotic integrity. <i>Oncogenesis</i> , 2018, 7, 68.	2.1	23
477	Four novel RECQL4 mutations in four Chinese patients with Rothmund-Thomson syndrome and analysis of RECQL4 mRNA expression level in one typical patient. <i>Journal of Dermatological Science</i> , 2018, 91, 335-337.	1.0	3
478	Clinically Applicable Inhibitors Impacting Genome Stability. <i>Molecules</i> , 2018, 23, 1166.	1.7	23
479	Asynchrony of Base-Pair Breaking and Nucleotide Releasing of Helicases in DNA Unwinding. <i>Journal of Physical Chemistry B</i> , 2018, 122, 5790-5796.	1.2	4
480	Upregulation of RECQL4 expression predicts poor prognosis in hepatocellular carcinoma. <i>Oncology Letters</i> , 2018, 15, 4248-4254.	0.8	17
481	Genetic Syndromes and Aging. , 2019, , 211-239.		0
482	ATP-dependent helicase activity is dispensable for the physiological functions of Recql4. <i>PLoS Genetics</i> , 2019, 15, e1008266.	1.5	19
483	Enrichment of heterozygous germline <i>RECQL4</i> loss-of-function variants in pediatric osteosarcoma. <i>Journal of Physical Education and Sports Management</i> , 2019, 5, a004218.	0.5	26
484	Report of Two Novel Mutations in Indian Patients with Rothmundâ€Thomson Syndrome. <i>Journal of Pediatric Genetics</i> , 2019, 08, 163-167.	0.3	3
486	Oral Signs of Genetic Disease. , 2019, , 227-252.		0
487	Outcomes of 4 years of molecular genetic diagnosis on a panel of genes involved in premature aging syndromes, including laminopathies and related disorders. <i>Orphanet Journal of Rare Diseases</i> , 2019, 14, 288.	1.2	6
489	DNA Repair Disorders. , 2019, , .		2
490	Rothmundâ€Thomson Syndrome. , 2019, , 161-168.		0

#	ARTICLE	IF	CITATIONS
491	ATM activation is impaired in human cells defective in RecQL4 helicase activity. <i>Biochemical and Biophysical Research Communications</i> , 2019, 509, 379-383.	1.0	10
492	Clinical implications of germline mutations in breast cancer genes: RECQL. <i>Breast Cancer Research and Treatment</i> , 2019, 174, 553-560.	1.1	14
493	DNA helicases and their roles in cancer. <i>DNA Repair</i> , 2020, 96, 102994.	1.3	20
494	Mutations in conserved functional domains of human RecQ helicases are associated with diseases and cancer: A review. <i>Biophysical Chemistry</i> , 2020, 265, 106433.	1.5	23
495	RECQ DNA Helicases and Osteosarcoma. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1258, 37-54.	0.8	14
496	Somatic and germline analysis of a familial Rothmund-Thomson syndrome in two siblings with osteosarcoma. <i>Npj Genomic Medicine</i> , 2020, 5, 51.	1.7	3
497	Adapting SureSelect enrichment protocol to the Ion Torrent S5 platform in molecular diagnostics of craniosynostosis. <i>Scientific Reports</i> , 2020, 10, 4159.	1.6	14
498	History of DNA Helicases. <i>Genes</i> , 2020, 11, 255.	1.0	61
499	The plasticity of DNA replication forks in response to clinically relevant genotoxic stress. <i>Nature Reviews Molecular Cell Biology</i> , 2020, 21, 633-651.	16.1	198
500	Maintenance of Yeast Genome Integrity by RecQ Family DNA Helicases. <i>Genes</i> , 2020, 11, 205.	1.0	16
501	Pitfalls in variant annotation for hereditary cancer diagnostics: The example of Illumina® VariantStudio®. <i>Genomics</i> , 2021, 113, 748-754.	1.3	0
502	Spotlight on the Replisome: Aetiology of DNA Replication-Associated Genetic Diseases. <i>Trends in Genetics</i> , 2021, 37, 317-336.	2.9	33
503	Congenital Diseases of DNA Replication: Clinical Phenotypes and Molecular Mechanisms. <i>International Journal of Molecular Sciences</i> , 2021, 22, 911.	1.8	23
504	RECQL4 regulates DNA damage response and redox homeostasis in esophageal cancer. <i>Cancer Biology and Medicine</i> , 2021, 18, 120-138.	1.4	3
505	Checkpoint functions of RecQ helicases at perturbed DNA replication fork. <i>Current Genetics</i> , 2021, 67, 369-382.	0.8	2
506	Translational cell biology of highly malignant osteosarcoma. <i>Pathology International</i> , 2021, 71, 291-303.	0.6	11
507	Clinical challenges in interpreting multiple pathogenic mutations in single patients. <i>Hereditary Cancer in Clinical Practice</i> , 2021, 19, 15.	0.6	2
508	Rothmund-Thomson syndrome type 1 caused by biallelic ANAPC1 gene mutations. <i>Skin Health and Disease</i> , 2021, 1, e12.	0.7	4

#	ARTICLE	IF	CITATIONS
509	Human RecQ helicases in transcription-associated stress management: bridging the gap between DNA and RNA metabolism. <i>Biological Chemistry</i> , 2021, 402, 617-636.	1.2	4
510	Rothmund-Thomson Syndrome-Like RECQL4 Truncating Mutations Cause a Haploinsufficient Low-Bone-Mass Phenotype in Mice. <i>Molecular and Cellular Biology</i> , 2021, 41, .	1.1	5
511	RNF8 ubiquitinates RecQL4 and promotes its dissociation from DNA double strand breaks. <i>Oncogenesis</i> , 2021, 10, 24.	2.1	10
512	How to untie G-quadruplex knots and why?. <i>Cell Chemical Biology</i> , 2021, 28, 436-455.	2.5	42
513	Chromatin Imbalance as the Vertex Between Fetal Valproate Syndrome and Chromatinopathies. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 654467.	1.8	7
514	Compound Heterozygous Mutations Involving Splicing Mutations Cause Rothmund-Thomson Syndrome in Two Chinese Families. <i>International Journal of Dermatology and Venereology</i> , 2021, 4, 76-81.	0.1	1
515	Bloom syndrome and the underlying causes of genetic instability. <i>Molecular Genetics and Metabolism</i> , 2021, 133, 35-48.	0.5	24
516	Genetic analysis of multiple primary melanomas arising within the boundaries of congenital nevi depigmentosa. <i>Pigment Cell and Melanoma Research</i> , 2021, 34, 1123-1130.	1.5	3
517	Comparison of the fertility of tumor suppressor gene-deficient C57BL/6 mouse strains reveals stable reproductive aging and novel pleiotropic gene. <i>Scientific Reports</i> , 2021, 11, 12357.	1.6	6
518	N-terminal region of RecQ4 inhibits non-homologous end joining and chromatin association of the Ku heterodimer in <i>Xenopus</i> egg extracts. <i>Gene</i> , 2021, 787, 145647.	1.0	1
519	Mutations Involved in Premature-Ageing Syndromes. <i>The Application of Clinical Genetics</i> , 2021, Volume 14, 279-295.	1.4	20
520	Type I Interferon Induction in Cutaneous DNA Damage Syndromes. <i>Frontiers in Immunology</i> , 2021, 12, 715723.	2.2	7
522	Molecular pathology of rare progeroid diseases. <i>Trends in Molecular Medicine</i> , 2021, 27, 907-922.	3.5	23
523	Genomic instability and aging: Causes and consequences. , 2021, , 533-553.		4
525	Genetic Epidermal Syndromes: Disorders Characterized by Reticulated Hyperpigmentation. , 0, , 780-808.		2
526	Function of RECQ family helicase in genome stability. <i>Sub-Cellular Biochemistry</i> , 2006, 40, 49-73.	1.0	10
527	The FHCRC/NCI Yeast Anticancer Drug Screen. , 2007, , 315-346.		5
528	Molecular Diagnosis of Genodermatoses. <i>Methods in Molecular Biology</i> , 2013, 961, 33-96.	0.4	2

#	ARTICLE	IF	CITATIONS
529	Animal Models for Aging Bone. , 2016, , 117-130.		1
530	Genetic Predisposition and Genetic Susceptibility. <i>Pediatric Oncology</i> , 2012, , 69-94.	0.5	4
531	ChromosomeninstabilitÄtssyndrome. , 2003, , 3-38.		1
532	Dermatologic Disorders and the Cornea. , 2011, , 749-761.		1
533	DNA Damage Response Pathways and Cancer. , 2008, , 139-152.		3
536	Interaction between Yeast Sgs1 Helicase and DNA Topoisomerase III. <i>Journal of Biological Chemistry</i> , 2000, 275, 26898-26905.	1.6	92
537	RecQ helicases in DNA repair and cancer targets. <i>Essays in Biochemistry</i> , 2020, 64, 819-830.	2.1	16
538	Direct observation of helicaseâ€“topoisomerase coupling within reverse gyrase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 10856-10864.	3.3	11
539	Bone Cancer. , 2006, , 946-958.		8
540	Requirement for Three Novel Protein Complexes in the Absence of the Sgs1 DNA Helicase in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 2001, 157, 103-118.	1.2	377
541	Evolution and Organization of a Highly Dynamic, Subtelomeric Helicase Gene Family in the Rice Blast Fungus <i>Magnaporthe grisea</i> . <i>Genetics</i> , 2002, 162, 103-112.	1.2	45
543	Roles of RecQ Family Helicases in the Maintenance of Genome Stability. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2000, 65, 573-582.	2.0	15
544	The Werner Syndrome Helicase-Nuclease--One Protein, Many Mysteries. <i>Science of Aging Knowledge Environment: SAGE KE</i> , 2002, 2002, 2re-2.	0.9	23
545	Werner Syndrome Protein--Unwinding Function to Explain Disease. <i>Science of Aging Knowledge Environment: SAGE KE</i> , 2004, 2004, re3-re3.	0.9	20
546	Age related expression of Werner's syndrome protein in selected tissues and coexpression of transcription factors. <i>Journal of Clinical Pathology</i> , 2002, 55, 195-199.	1.0	14
547	The Rothmund-Thomson syndrome helicase RECQL4 is essential for hematopoiesis. <i>Journal of Clinical Investigation</i> , 2014, 124, 3551-3565.	3.9	48
548	RecQ-like helicases: the DNA replication checkpoint connection. <i>Journal of Cell Science</i> , 2000, 113, 2641-2646.	1.2	64
549	dRecQ4 Is Required for DNA Synthesis and Essential for Cell Proliferation in <i>Drosophila</i> . <i>PLoS ONE</i> , 2009, 4, e6107.	1.1	28

#	ARTICLE	IF	CITATIONS
550	Formation of Complex and Unstable Chromosomal Translocations in Yeast. PLoS ONE, 2010, 5, e12007.	1.1	9
551	Human PIF1 helicase supports DNA replication and cell growth under oncogenic-stress. Oncotarget, 2014, 5, 11381-11398.	0.8	34
552	What Comparative Genomics Tells Us About the Evolution of Eukaryotic Genes Involved in Recombination. Current Genomics, 2004, 5, 109-121.	0.7	8
553	Chromosome alignment maintenance requires the MAP RECQL4, mutated in the Rothmund-Thomson syndrome. Life Science Alliance, 2019, 2, e201800120.	1.3	16
554	Atypical meningioma as a solitary malignancy in a patient with Rothmund-Thompson syndrome. , 2012, 3, 148.		5
555	Ophthalmic manifestations in Rothmund-Thomson syndrome: Case report and review of literature. Indian Journal of Ophthalmology, 2017, 65, 1025.	0.5	5
556	Genetic Predisposition to Cutaneous Squamous Cell Carcinoma. , 0, , .		5
557	WRN Protein and Werner Syndrome. North American Journal of Medicine & Science, 2010, 3, 205.	3.8	9
558	An aging-independent replicative lifespan in a symmetrically dividing eukaryote. ELife, 2017, 6, .	2.8	30
560	Genomic Instability and Yeast Aging. , 2003, , .		0
561	Bloom Syndrome. , 2003, , .		0
562	Aging of Premature-Aging Syndrome Cells. , 2003, , 101-119.		0
564	Biochemical Characterization of the Werner Syndrome DNA Helicase-Exonuclease. , 2004, , 22-43.		0
565	Isolation and Characterization of DNA Damaging Agent Sensitivity of rqh1 mutant from Schizosaccharomyce pombe. Journal of Life Science, 2007, 17, 39-44.	0.2	0
566	Human Genetic Disorders Associated with Genome Instability, Premature Aging and Cancer Predisposition. The Open Cancer Journal, 2008, 2, 42-52.	0.2	1
567	Linking Human RecQ Helicases to DNA Damage Response and Aging. , 2009, , 331-347.		0
568	Animal Models for Senile Osteoporosis. , 2009, , 59-70.		0
569	Genetics of Osteosarcoma. , 2010, , 19-42.		0

#	ARTICLE	IF	CITATIONS
570	Dna Damage and Repair. , 2010, , 31-39.		0
572	RECQL4 (RecQ protein-like 4). Atlas of Genetics and Cytogenetics in Oncology and Haematology, 2011, , .	0.1	0
573	Rothmund-Thomson syndrome (RTS). Atlas of Genetics and Cytogenetics in Oncology and Haematology, 2011, , .	0.1	0
575	DNA Damage Response Pathways and Cancer. , 2014, , 142-153.e3.		2
576	The Extracellular Matrix Protein 1 (ECM1) in Molecular-Based Skin Biology. , 2015, , 1-20.		0
578	Molecular Pathogenesis of Bone Tumours. , 2017, , 41-63.		0
579	Disorders of Pigmentation. , 2017, , 347-367.		0
580	Malignancy-Associated Genodermatoses. , 2018, , 65-79.		0
582	Endocrine abnormalities in two siblings with Rothmund Thomson Syndrome. , 2018, 2, 041-045.		0
585	The RECQL helicase prevents replication fork collapse during replication stress. Life Science Alliance, 2020, 3, e202000668.	1.3	4
589	Ku complex interacts with and stimulates the Werner protein. Genes and Development, 2000, 14, 907-12.	2.7	121
593	Genetic alterations in syndromes with oral manifestations. Dental Research Journal, 2013, 10, 713-22.	0.2	1
595	rescues the mild methylmethane sulfonate sensitivity of \hat{I}^{H} cells in. MicroPublication Biology, 2021, 2021, .	0.1	0
596	Ku complex interacts with and stimulates the Werner protein. Genes and Development, 2000, 14, 907-912.	2.7	276
597	Molecular Mechanisms of the RECQ4 Pathogenic Mutations. Frontiers in Molecular Biosciences, 2021, 8, 791194.	1.6	8
598	Role and Regulation of the RECQL4 Family during Genomic Integrity Maintenance. Genes, 2021, 12, 1919.	1.0	8
599	Rothmund-Thomson syndrome investigated by two nationwide surveys in Japan. Pediatrics International, 2022, 64, .	0.2	2
600	Variant Identification in <i>BARD1</i> , <i>PRDM9</i> , <i>RCC1</i> , and <i>RECQL</i> in Patients with Ovarian Cancer by Targeted Next-generation Sequencing of DNA Pools. Cancer Prevention Research, 2022, 15, 151-160.	0.7	2

#	ARTICLE	IF	CITATIONS
601	Targeting of RecQ Helicases as a Novel Therapeutic Strategy for Ovarian Cancer. <i>Cancers</i> , 2022, 14, 1219.	1.7	6
602	Recombination Mediator Proteins: Misnomers That Are Key to Understanding the Genomic Instabilities in Cancer. <i>Genes</i> , 2022, 13, 437.	1.0	3
605	UBE2O and USP7 co-regulate RECQL4 ubiquitylation and homologous recombination-mediated DNA repair. <i>FASEB Journal</i> , 2022, 36, e22112.	0.2	7
609	Clinical and Basic Biology of Werner Syndrome, the Model Disease of Human Aging. , 2022, , 33-60.		1
611	RecQ Helicase Somatic Alterations in Cancer. <i>Frontiers in Molecular Biosciences</i> , 0, 9, .	1.6	5
612	Mammalian Resilience Revealed by a Comparison of Human Diseases and Mouse Models Associated With DNA Helicase Deficiencies. <i>Frontiers in Molecular Biosciences</i> , 0, 9, .	1.6	1
614	Hrq1/RECQL4 regulation is critical for preventing aberrant recombination during DNA intrastrand crosslink repair and is upregulated in breast cancer. <i>PLoS Genetics</i> , 2022, 18, e1010122.	1.5	1
615	Research on Werner Syndrome: Trends from Past to Present and Future Prospects. <i>Genes</i> , 2022, 13, 1802.	1.0	8
616	RecQ helicases and genome stability: lessons from model organisms and human disease. <i>Swiss Medical Weekly</i> , 0, , .	0.8	9
617	Chrl1-encoded DNA helicase: A preliminary study. <i>Protein and Peptide Letters</i> , 2022, 30, .	0.4	0
618	DNA replication-associated inborn errors of immunity. <i>Journal of Allergy and Clinical Immunology</i> , 2022, , .	1.5	1
621	Widespread genomic/molecular alterations of DNA helicases and their clinical/therapeutic implications across human cancer. <i>Biomedicine and Pharmacotherapy</i> , 2023, 158, 114193.	2.5	1
622	Werner syndrome protein works as a dimer for unwinding and replication fork regression. <i>Nucleic Acids Research</i> , 2023, 51, 337-348.	6.5	2
623	Molecular and Cellular Responses to Ionization Radiation in Untransformed Fibroblasts from the Rothmund-Thomson Syndrome: Influence of the Nucleo-Shuttling of the ATM Protein Kinase. <i>Radiation</i> , 2023, 3, 21-38.	0.6	3
624	Discovery of a new hereditary RECQ helicase disorder RECON syndrome positions the replication stress response and genome homeostasis as centrally important processes in aging and age-related disease. <i>Ageing Research Reviews</i> , 2023, 86, 101887.	5.0	1
625	Homozygous DBF4 mutation as a cause of severe congenital neutropenia. <i>Journal of Allergy and Clinical Immunology</i> , 2023, 152, 266-277.	1.5	2
626	Biallelic variants in CRIPT cause a Rothmund-Thomson-like syndrome with increased cellular senescence. <i>Genetics in Medicine</i> , 2023, 25, 100836.	1.1	4
627	Continuous millisecond conformational cycle of a DEAH box helicase reveals control of domain motions by atomic-scale transitions. <i>Communications Biology</i> , 2023, 6, .	2.0	3

#	ARTICLE	IF	CITATIONS
---	---------	----	-----------