

Vilhelm A Bohr

List of Publications by Year in descending order

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392
papers

36,297
citations

2093

100
h-index

4750

169
g-index

429
all docs

429
docs citations

429
times ranked

28253
citing authors

#	ARTICLE	IF	CITATIONS
1	Ageing as a risk factor for neurodegenerative disease. <i>Nature Reviews Neurology</i> , 2019, 15, 565-581.	4.9	1,578
2	Mitophagy inhibits amyloid- β^2 and tau pathology and reverses cognitive deficits in models of Alzheimer's disease. <i>Nature Neuroscience</i> , 2019, 22, 401-412.	7.1	1,008
3	SIRT6 is a histone H3 lysine 9 deacetylase that modulates telomeric chromatin. <i>Nature</i> , 2008, 452, 492-496.	13.7	945
4	Nutrient-Sensitive Mitochondrial NAD ⁺ Levels Dictate Cell Survival. <i>Cell</i> , 2007, 130, 1095-1107.	13.5	855
5	Senolytic therapy alleviates A β^2 -associated oligodendrocyte progenitor cell senescence and cognitive deficits in an Alzheimer's disease model. <i>Nature Neuroscience</i> , 2019, 22, 719-728.	7.1	577
6	Defective Mitophagy in XPA via PARP-1 Hyperactivation and NAD ⁺ /SIRT1 Reduction. <i>Cell</i> , 2014, 157, 882-896.	13.5	554
7	Mitophagy and Alzheimer's Disease: Cellular and Molecular Mechanisms. <i>Trends in Neurosciences</i> , 2017, 40, 151-166.	4.2	553
8	The Bloom's and Werner's syndrome proteins are DNA structure-specific helicases. <i>Nucleic Acids Research</i> , 2001, 29, 2843-2849.	6.5	518
9	Base excision repair of oxidative DNA damage and association with cancer and aging. <i>Carcinogenesis</i> , 2008, 30, 2-10.	1.3	511
10	Human RecQ Helicases in DNA Repair, Recombination, and Replication. <i>Annual Review of Biochemistry</i> , 2014, 83, 519-552.	5.0	461
11	Repair of Oxidative Damage to Nuclear and Mitochondrial DNA in Mammalian Cells. <i>Journal of Biological Chemistry</i> , 1997, 272, 25409-25412.	1.6	427
12	NAD ⁺ Replenishment Improves Lifespan and Healthspan in Ataxia Telangiectasia Models via Mitophagy and DNA Repair. <i>Cell Metabolism</i> , 2016, 24, 566-581.	7.2	420
13	Werner's syndrome protein (WRN) migrates Holliday junctions and co-localizes with RPA upon replication arrest. <i>EMBO Reports</i> , 2000, 1, 80-84.	2.0	378
14	A research agenda for aging in China in the 21st century. <i>Ageing Research Reviews</i> , 2015, 24, 197-205.	5.0	374
15	Effects of Sex, Strain, and Energy Intake on Hallmarks of Aging in Mice. <i>Cell Metabolism</i> , 2016, 23, 1093-1112.	7.2	360
16	Repair of oxidative DNA damage in nuclear and mitochondrial DNA, and some changes with aging in mammalian cells ^{1,2} 1Guest Editor: Miral Dizdaroglu 2This article is part of a series of reviews on "Oxidative DNA Damage and Repair." The full list of papers may be found on the homepage of the journal. <i>Free Radical Biology and Medicine</i> , 2002, 32, 804-812.	1.3	346
17	Telomere-binding Protein TRF2 Binds to and Stimulates the Werner and Bloom Syndrome Helicases. <i>Journal of Biological Chemistry</i> , 2002, 277, 41110-41119.	1.6	334
18	NAD ⁺ in Aging: Molecular Mechanisms and Translational Implications. <i>Trends in Molecular Medicine</i> , 2017, 23, 899-916.	3.5	333

#	ARTICLE	IF	CITATIONS
19	NAD ⁺ supplementation normalizes key Alzheimer's features and DNA damage responses in a new AD mouse model with introduced DNA repair deficiency. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E1876-E1885.	3.3	316
20	A High-Fat Diet and NAD ⁺ Activate Sirt1 to Rescue Premature Aging in Cockayne Syndrome. <i>Cell Metabolism</i> , 2014, 20, 840-855.	7.2	306
21	Nuclear DNA damage signalling to mitochondria in ageing. <i>Nature Reviews Molecular Cell Biology</i> , 2016, 17, 308-321.	16.1	294
22	Functional and Physical Interaction between WRN Helicase and Human Replication Protein A. <i>Journal of Biological Chemistry</i> , 1999, 274, 18341-18350.	1.6	287
23	Mitochondrial SIRT3 Mediates Adaptive Responses of Neurons to Exercise and Metabolic and Excitatory Challenges. <i>Cell Metabolism</i> , 2016, 23, 128-142.	7.2	286
24	DNA Damage, DNA Repair, Aging, and Neurodegeneration. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2015, 5, a025130.	2.9	285
25	The mechanics of base excision repair, and its relationship to aging and disease. <i>DNA Repair</i> , 2007, 6, 544-559.	1.3	280
26	DNA repair deficiency in neurodegeneration. <i>Progress in Neurobiology</i> , 2011, 94, 166-200.	2.8	280
27	Ku complex interacts with and stimulates the Werner protein. <i>Genes and Development</i> , 2000, 14, 907-912.	2.7	276
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	Mitophagy in neurodegeneration and aging. <i>Neurochemistry International</i> , 2017, 109, 202-209.	1.9	272
30	SIRT6 stabilizes DNA-dependent Protein Kinase at chromatin for DNA double-strand break repair. <i>Aging</i> , 2009, 1, 109-121.	1.4	270
31	Protecting the mitochondrial powerhouse. <i>Trends in Cell Biology</i> , 2015, 25, 158-170.	3.6	260
32	Repair of mitochondrial DNA after various types of DNA damage in Chinese hamster ovary cells. <i>Carcinogenesis</i> , 1992, 13, 1967-1973.	1.3	259
33	Defective DNA base excision repair in brain from individuals with Alzheimer's disease and amnesic mild cognitive impairment. <i>Nucleic Acids Research</i> , 2007, 35, 5545-5555.	6.5	253
34	Nicotinamide Improves Aspects of Healthspan, but Not Lifespan, in Mice. <i>Cell Metabolism</i> , 2018, 27, 667-676.e4.	7.2	242
35	Epigenetic inactivation of the premature aging Werner syndrome gene in human cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 8822-8827.	3.3	240
36	Oxidative damage in telomeric DNA disrupts recognition by TRF1 and TRF2. <i>Nucleic Acids Research</i> , 2005, 33, 1230-1239.	6.5	237

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37	The Werner syndrome protein operates in base excision repair and cooperates with DNA polymerase β . <i>Nucleic Acids Research</i> , 2006, 34, 745-754.	6.5	228
38	Rising from the RecQ-age: the role of human RecQ helicases in genome maintenance. <i>Trends in Biochemical Sciences</i> , 2008, 33, 609-620.	3.7	224
39	Repair Pathways for Processing of 8-Oxoguanine in DNA by Mammalian Cell Extracts. <i>Journal of Biological Chemistry</i> , 1998, 273, 33811-33816.	1.6	220
40	Role of DNA Polymerase β in the Excision Step of Long Patch Mammalian Base Excision Repair. <i>Journal of Biological Chemistry</i> , 1999, 274, 13741-13743.	1.6	202
41	Mitochondrial DNA repair pathways. <i>Mutation Research DNA Repair</i> , 1999, 434, 137-148.	3.8	200
42	Human Embryonic Stem Cells Have Enhanced Repair of Multiple Forms of DNA Damage. <i>Stem Cells</i> , 2008, 26, 2266-2274.	1.4	193
43	Removal of Oxidative DNA Damage via FEN1-Dependent Long-Patch Base Excision Repair in Human Cell Mitochondria. <i>Molecular and Cellular Biology</i> , 2008, 28, 4975-4987.	1.1	192
44	FEN1 Stimulation of DNA Polymerase β Mediates an Excision Step in Mammalian Long Patch Base Excision Repair. <i>Journal of Biological Chemistry</i> , 2000, 275, 4460-4466.	1.6	187
45	Human premature aging, DNA repair and RecQ helicases. <i>Nucleic Acids Research</i> , 2007, 35, 7527-7544.	6.5	186
46	Cockayne syndrome: Clinical features, model systems and pathways. <i>Ageing Research Reviews</i> , 2017, 33, 3-17.	5.0	184
47	Roles of Werner syndrome protein in protection of genome integrity. <i>DNA Repair</i> , 2010, 9, 331-344.	1.3	183
48	Mitochondrial DNA repair of oxidative damage in mammalian cells. <i>Gene</i> , 2002, 286, 127-134.	1.0	179
49	Cockayne syndrome group B protein prevents the accumulation of damaged mitochondria by promoting mitochondrial autophagy. <i>Journal of Experimental Medicine</i> , 2012, 209, 855-869.	4.2	177
50	NAD ⁺ supplementation reduces neuroinflammation and cell senescence in a transgenic mouse model of Alzheimer's disease via cGAS ⁺ STING. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	176
51	Repair of Formamidopyrimidines in DNA Involves Different Glycosylases. <i>Journal of Biological Chemistry</i> , 2005, 280, 40544-40551.	1.6	174
52	Novel DNA mismatch-repair activity involving YB-1 in human mitochondria. <i>DNA Repair</i> , 2009, 8, 704-719.	1.3	174
53	Increased Hypermutation at G and C Nucleotides in Immunoglobulin Variable Genes from Mice Deficient in the MSH2 Mismatch Repair Protein. <i>Journal of Experimental Medicine</i> , 1998, 187, 1745-1751.	4.2	170
54	Mitochondrial and nuclear DNA-repair capacity of various brain regions in mouse is altered in an age-dependent manner. <i>Neurobiology of Aging</i> , 2006, 27, 1129-1136.	1.5	168

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55	Gene specific DNA repair. <i>Carcinogenesis</i> , 1991, 12, 1983-1992.	1.3	167
56	NAD+ augmentation restores mitophagy and limits accelerated aging in Werner syndrome. <i>Nature Communications</i> , 2019, 10, 5284.	5.8	165
57	Werner syndrome and the function of the Werner protein; what they can teach us about the molecular aging process.. <i>Carcinogenesis</i> , 2003, 24, 791-802.	1.3	164
58	Human DNA polymerase β initiates DNA synthesis during long-patch repair of reduced AP sites in DNA. <i>EMBO Journal</i> , 2001, 20, 1477-1482.	3.5	159
59	DNA damage, mutation and fine structure DNA repair in aging. <i>Mutation Research - DNAging</i> , 1995, 338, 25-34.	3.3	157
60	POT1 Stimulates RecQ Helicases WRN and BLM to Unwind Telomeric DNA Substrates. <i>Journal of Biological Chemistry</i> , 2005, 280, 32069-32080.	1.6	157
61	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
62	The clinical characteristics of Werner syndrome: molecular and biochemical diagnosis. <i>Human Genetics</i> , 2008, 124, 369-377.	1.8	147
63	Mitochondrial DNA damage and repair in neurodegenerative disorders. <i>DNA Repair</i> , 2008, 7, 1110-1120.	1.3	146
64	Base excision repair in nuclear and mitochondrial DNA. <i>Progress in Molecular Biology and Translational Science</i> , 2001, 68, 285-297.	1.9	144
65	Cockayne Syndrome Group B Cellular and Biochemical Functions. <i>American Journal of Human Genetics</i> , 2003, 73, 1217-1239.	2.6	144
66	An Oxidative Damage-specific Endonuclease from Rat Liver Mitochondria. <i>Journal of Biological Chemistry</i> , 1997, 272, 27338-27344.	1.6	143
67	Werner Protein Is a Target of DNA-dependent Protein Kinase in Vivo and in Vitro, and Its Catalytic Activities Are Regulated by Phosphorylation. <i>Journal of Biological Chemistry</i> , 2002, 277, 18291-18302.	1.6	141
68	Central Role for the Werner Syndrome Protein/Poly(ADP-Ribose) Polymerase 1 Complex in the Poly(ADP-Ribosyl)ation Pathway after DNA Damage. <i>Molecular and Cellular Biology</i> , 2003, 23, 8601-8613.	1.1	140
69	Gene expression profiling in Werner syndrome closely resembles that of normal aging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 12259-12264.	3.3	140
70	Primary fibroblasts of Cockayne syndrome patients are defective in cellular repair of 8-hydroxyguanine and 8-hydroxyadenine resulting from oxidative stress. <i>FASEB Journal</i> , 2003, 17, 668-674.	0.2	140
71	The Werner Syndrome Protein Is Involved in RNA Polymerase II Transcription. <i>Molecular Biology of the Cell</i> , 1999, 10, 2655-2668.	0.9	139
72	The Cockayne Syndrome Group B Gene Product Is Involved in General Genome Base Excision Repair of 8-Hydroxyguanine in DNA. <i>Journal of Biological Chemistry</i> , 2001, 276, 45772-45779.	1.6	138

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73	Interaction of Human AP Endonuclease 1 with Flap Endonuclease 1 and Proliferating Cell Nuclear Antigen Involved in Long-Patch Base Excision Repair. <i>Biochemistry</i> , 2001, 40, 12639-12644.	1.2	136
74	Mitochondrial DNA repair and association with aging – An update. <i>Experimental Gerontology</i> , 2010, 45, 478-488.	1.2	134
75	Genomic heterogeneity of nucleotide excision repair. <i>Gene</i> , 2000, 250, 15-30.	1.0	129
76	A Small Molecule Inhibitor of the BLM Helicase Modulates Chromosome Stability in Human Cells. <i>Chemistry and Biology</i> , 2013, 20, 55-62.	6.2	128
77	The role of DNA repair in brain related disease pathology. <i>DNA Repair</i> , 2013, 12, 578-587.	1.3	127
78	The role of Cockayne Syndrome group B (CSB) protein in base excision repair and aging. <i>Mechanisms of Ageing and Development</i> , 2008, 129, 441-448.	2.2	126
79	Oxidative DNA damage processing in nuclear and mitochondrial DNA. <i>Biochimie</i> , 1999, 81, 155-160.	1.3	125
80	Cockayne syndrome group B protein promotes mitochondrial DNA stability by supporting the DNA repair association with the mitochondrial membrane. <i>FASEB Journal</i> , 2010, 24, 2334-2346.	0.2	124
81	Repair of 8-oxoguanine in DNA is deficient in Cockayne syndrome group B cells. <i>Nucleic Acids Research</i> , 1999, 27, 1365-1368.	6.5	123
82	BDNF and Exercise Enhance Neuronal DNA Repair by Stimulating CREB-Mediated Production of Apurinic/Apyrimidinic Endonuclease 1. <i>NeuroMolecular Medicine</i> , 2014, 16, 161-174.	1.8	121
83	Signaling by cGAS – STING in Neurodegeneration, Neuroinflammation, and Aging. <i>Trends in Neurosciences</i> , 2021, 44, 83-96.	4.2	121
84	The mitochondrial transcription factor A functions in mitochondrial base excision repair. <i>DNA Repair</i> , 2010, 9, 1080-1089.	1.3	120
85	Colocalization, Physical, and Functional Interaction between Werner and Bloom Syndrome Proteins. <i>Journal of Biological Chemistry</i> , 2002, 277, 22035-22044.	1.6	119
86	Mitochondria in the signaling pathways that control longevity and health span. <i>Ageing Research Reviews</i> , 2019, 54, 100940.	5.0	118
87	Tomatidine enhances lifespan and healthspan in <i>C. elegans</i> through mitophagy induction via the SKN-1/Nrf2 pathway. <i>Scientific Reports</i> , 2017, 7, 46208.	1.6	116
88	Enzymatic and DNA binding properties of purified WRN protein: high affinity binding to single-stranded DNA but not to DNA damage induced by 4NQO. <i>Nucleic Acids Research</i> , 1999, 27, 3557-3566.	6.5	114
89	The Werner Syndrome Protein Stimulates DNA Polymerase β Strand Displacement Synthesis via Its Helicase Activity. <i>Journal of Biological Chemistry</i> , 2003, 278, 22686-22695.	1.6	113
90	DNA repair and aging in mouse liver: 8-oxodG glycosylase activity increase in mitochondrial but not in nuclear extracts. <i>Free Radical Biology and Medicine</i> , 2001, 30, 916-923.	1.3	112

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91	DNA polymerase $\hat{\iota}^2$ deficiency leads to neurodegeneration and exacerbates Alzheimer disease phenotypes. <i>Nucleic Acids Research</i> , 2015, 43, 943-959.	6.5	110
92	Werner Syndrome Protein Contains Three Structure-specific DNA Binding Domains. <i>Journal of Biological Chemistry</i> , 2003, 278, 52997-53006.	1.6	109
93	Mitochondrial and nuclear DNA base excision repair are affected differently by caloric restriction. <i>FASEB Journal</i> , 2004, 18, 595-597.	0.2	109
94	Natural polyphenols as sirtuin 6 modulators. <i>Scientific Reports</i> , 2018, 8, 4163.	1.6	109
95	Unwinding of a DNA Triple Helix by the Werner and Bloom Syndrome Helicases. <i>Journal of Biological Chemistry</i> , 2001, 276, 3024-3030.	1.6	108
96	The Processing of Holliday Junctions by BLM and WRN Helicases Is Regulated by p53. <i>Journal of Biological Chemistry</i> , 2002, 277, 31980-31987.	1.6	107
97	Base excision repair capacity in mitochondria and nuclei: tissue-specific variations. <i>FASEB Journal</i> , 2002, 16, 1895-1902.	0.2	105
98	WRN Interacts Physically and Functionally with the Recombination Mediator Protein RAD52. <i>Journal of Biological Chemistry</i> , 2003, 278, 36476-36486.	1.6	105
99	Cooperation of the Cockayne Syndrome Group B Protein and Poly(ADP-Ribose) Polymerase 1 in the Response to Oxidative Stress. <i>Molecular and Cellular Biology</i> , 2005, 25, 7625-7636.	1.1	104
100	Cockayne syndrome B protein stimulates apurinic endonuclease 1 activity and protects against agents that introduce base excision repair intermediates. <i>Nucleic Acids Research</i> , 2007, 35, 4103-4113.	6.5	104
101	JNK Phosphorylates SIRT6 to Stimulate DNA Double-Strand Break Repair in Response to Oxidative Stress by Recruiting PARP1 to DNA Breaks. <i>Cell Reports</i> , 2016, 16, 2641-2650.	2.9	104
102	Factors that influence telomeric oxidative base damage and repair by DNA glycosylase OGG1. <i>DNA Repair</i> , 2011, 10, 34-44.	1.3	103
103	Linkage between Werner Syndrome Protein and the Mre11 Complex via Nbs1. <i>Journal of Biological Chemistry</i> , 2004, 279, 21169-21176.	1.6	102
104	Evidence that OGG1 Glycosylase Protects Neurons against Oxidative DNA Damage and Cell Death under Ischemic Conditions. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 680-692.	2.4	101
105	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
106	The Human Werner Syndrome Protein Stimulates Repair of Oxidative DNA Base Damage by the DNA Glycosylase NEIL1. <i>Journal of Biological Chemistry</i> , 2007, 282, 26591-26602.	1.6	100
107	Mitochondrial repair of 8-oxoguanine is deficient in Cockayne syndrome group B. <i>Oncogene</i> , 2002, 21, 8675-8682.	2.6	99
108	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

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109	RECQL4 localizes to mitochondria and preserves mitochondrial DNA integrity. <i>Aging Cell</i> , 2012, 11, 456-466.	3.0	97
110	Coordinate Action of the Helicase and 3' to 5' Exonuclease of Werner Syndrome Protein. <i>Journal of Biological Chemistry</i> , 2001, 276, 44677-44687.	1.6	96
111	DNA repair fine structure and its relations to genomic instability. <i>Carcinogenesis</i> , 1995, 16, 2885-2892.	1.3	95
112	p53 Modulates the Exonuclease Activity of Werner Syndrome Protein. <i>Journal of Biological Chemistry</i> , 2001, 276, 35093-35102.	1.6	95
113	Mitochondrial endogenous oxidative damage has been overestimated. <i>FASEB Journal</i> , 2000, 14, 355-360.	0.2	94
114	Cockayne Syndrome Group B Protein Stimulates Repair of Formamidopyrimidines by NEIL1 DNA Glycosylase. <i>Journal of Biological Chemistry</i> , 2009, 284, 9270-9279.	1.6	92
115	Poly(ADP-ribose) polymerase 1 regulates both the exonuclease and helicase activities of the Werner syndrome protein. <i>Nucleic Acids Research</i> , 2004, 32, 4003-4014.	6.5	89
116	p53 functions in the incorporation step in DNA base excision repair in mouse liver mitochondria. <i>Oncogene</i> , 2004, 23, 6559-6568.	2.6	89
117	Mitochondrial DNA, base excision repair and neurodegeneration. <i>DNA Repair</i> , 2008, 7, 1098-1109.	1.3	89
118	The Cockayne Syndrome Group B Gene Product Is Involved in Cellular Repair of 8-Hydroxyadenine in DNA. <i>Journal of Biological Chemistry</i> , 2002, 277, 30832-30837.	1.6	88
119	Ku heterodimer binds to both ends of the Werner protein and functional interaction occurs at the Werner N-terminus. <i>Nucleic Acids Research</i> , 2002, 30, 3583-3591.	6.5	86
120	Functional crosstalk between hOgg1 and the helicase domain of Cockayne syndrome group B protein. <i>DNA Repair</i> , 2002, 1, 913-927.	1.3	85
121	Stimulation of Flap Endonuclease-1 by the Bloom's Syndrome Protein. <i>Journal of Biological Chemistry</i> , 2004, 279, 9847-9856.	1.6	85
122	Junction of RecQ Helicase Biochemistry and Human Disease. <i>Journal of Biological Chemistry</i> , 2004, 279, 18099-18102.	1.6	85
123	Mitochondria-targeted Ogg1 and Aconitase-2 Prevent Oxidant-induced Mitochondrial DNA Damage in Alveolar Epithelial Cells. <i>Journal of Biological Chemistry</i> , 2014, 289, 6165-6176.	1.6	85
124	Single-molecule imaging reveals a common mechanism shared by G-quadruplex-resolving helicases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 8448-8453.	3.3	85
125	Roles of the Werner syndrome protein in pathways required for maintenance of genome stability. <i>Experimental Gerontology</i> , 2002, 37, 491-506.	1.2	84
126	Neurons Efficiently Repair Glutamate-induced Oxidative DNA Damage by a Process Involving CREB-mediated Up-regulation of Apurinic Endonuclease 1. <i>Journal of Biological Chemistry</i> , 2010, 285, 28191-28199.	1.6	84

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127	Genome instability in Alzheimer disease. <i>Mechanisms of Ageing and Development</i> , 2017, 161, 83-94.	2.2	83
128	Collaboration of Werner syndrome protein and BRCA1 in cellular responses to DNA interstrand cross-links. <i>Nucleic Acids Research</i> , 2006, 34, 2751-2760.	6.5	82
129	Pathways and functions of the Werner syndrome protein. <i>Mechanisms of Ageing and Development</i> , 2005, 126, 79-86.	2.2	81
130	WRN regulates pathway choice between classical and alternative non-homologous end joining. <i>Nature Communications</i> , 2016, 7, 13785.	5.8	81
131	RECQL4 Promotes DNA End Resection in Repair of DNA Double-Strand Breaks. <i>Cell Reports</i> , 2016, 16, 161-173.	2.9	81
132	Homogenous repair of singlet oxygen-induced DNA damage in differentially transcribed regions and strands of human mitochondrial DNA. <i>Nucleic Acids Research</i> , 1998, 26, 662-1997.	6.5	80
133	Loss of ARID1A in Tumor Cells Renders Selective Vulnerability to Combined Ionizing Radiation and PARP Inhibitor Therapy. <i>Clinical Cancer Research</i> , 2019, 25, 5584-5594.	3.2	80
134	Repair of 8-oxoG is slower in endogenous nuclear genes than in mitochondrial DNA and is without strand bias. <i>DNA Repair</i> , 2002, 1, 261-273.	1.3	78
135	Heterochromatin: an epigenetic point of view in aging. <i>Experimental and Molecular Medicine</i> , 2020, 52, 1466-1474.	3.2	78
136	Werner syndrome protein participates in a complex with RAD51, RAD54, RAD54B and ATR in response to ICL-induced replication arrest. <i>Journal of Cell Science</i> , 2006, 119, 5137-5146.	1.2	77
137	Inhibition of RNA Polymerase II Transcription in Human Cell Extracts by Cisplatin DNA Damage. <i>Biochemistry</i> , 1999, 38, 6204-6212.	1.2	76
138	Oxidized guanine lesions and hOgg1 activity in lung cancer. <i>Oncogene</i> , 2005, 24, 4496-4508.	2.6	76
139	The involvement of human RECQL4 in DNA double-strand break repair. <i>Ageing Cell</i> , 2010, 9, 358-371.	3.0	76
140	Aprataxin localizes to mitochondria and preserves mitochondrial function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 7437-7442.	3.3	76
141	Regulation of WRN Helicase Activity in Human Base Excision Repair. <i>Journal of Biological Chemistry</i> , 2004, 279, 53465-53474.	1.6	75
142	Direct and indirect roles of RECQL4 in modulating base excision repair capacity. <i>Human Molecular Genetics</i> , 2009, 18, 3470-3483.	1.4	75
143	Roles of RECQ helicases in recombination based DNA repair, genomic stability and aging. <i>Biogerontology</i> , 2009, 10, 235-252.	2.0	75
144	Reduced RNA polymerase II transcription in extracts of Cockayne syndrome and xeroderma pigmentosum/Cockayne syndrome cells. <i>Nucleic Acids Research</i> , 1997, 25, 3636-3642.	6.5	74

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145	A nucleolar targeting sequence in the Werner syndrome protein resides within residues 949-1092. <i>Journal of Cell Science</i> , 2002, 115, 3901-3907.	1.2	74
146	Gene-specific nuclear and mitochondrial repair of formamidopyrimidine DNA glycosylase-sensitive sites in Chinese hamster ovary cells. <i>Mutation Research DNA Repair</i> , 1996, 364, 183-192.	3.8	72
147	WRN Is Required for ATM Activation and the S-Phase Checkpoint in Response to Interstrand Cross-Link-Induced DNA Double-Strand Breaks. <i>Molecular Biology of the Cell</i> , 2008, 19, 3923-3933.	0.9	72
148	Cockayne syndrome group A and B proteins converge on transcription-linked resolution of non-B DNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12502-12507.	3.3	72
149	Third complementarity-determining region of mutated VH immunoglobulin genes contains shorter V, D, J, P, and N components than non-mutated genes. <i>Immunology</i> , 2001, 103, 179-187.	2.0	71
150	Cell cycle-dependent phosphorylation regulates RECQL4 pathway choice and ubiquitination in DNA double-strand break repair. <i>Nature Communications</i> , 2017, 8, 2039.	5.8	71
151	Single Nucleotide Patch Base Excision Repair Is the Major Pathway for Removal of Thymine Glycol from DNA in Human Cell Extracts. <i>Journal of Biological Chemistry</i> , 2000, 275, 11809-11813.	1.6	70
152	DNA repair in the metallothionein gene increases with transcriptional activation. <i>Nucleic Acids Research</i> , 1987, 15, 10021-10030.	6.5	67
153	The transcriptional response after oxidative stress is defective in Cockayne syndrome group B cells. <i>Oncogene</i> , 2003, 22, 1135-1149.	2.6	66
154	Werner syndrome cells escape hydrogen peroxide-induced cell proliferation arrest. <i>FASEB Journal</i> , 2004, 18, 1970-1972.	0.2	66
155	RecQ helicases in DNA double strand break repair and telomere maintenance. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2012, 736, 15-24.	0.4	66
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