Vilhelm A Bohr

List of Publications by Year
in descending order

392	36,297	2440 100	5481 169
papers	citations	h-index	g-index

429	429	429	30894
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molecular markers of DNA repair and brain metabolism correlate with cognition in centenarians. GeroScience, 2022, 44, 103-125.	2.1	8
2	DNA-PKcs-dependent phosphorylation of RECQL4 promotes NHEJ by stabilizing the NHEJ machinery at DNA double-strand breaks. Nucleic Acids Research, 2022, 50, 5635-5651.	6.5	8
3	Neurogenesis in aging and age-related neurodegenerative diseases. Ageing Research Reviews, 2022, 78, 101636.	5.0	41
4	Signaling by cGASâ€“STING in Neurodegeneration, Neuroinflammation, and Aging. Trends in Neurosciences, 2021, 44, 83-96.	4.2	121
5	Worldwide Studies on Cockayne Syndrome are Needed. Neurology India, 2021, 69, 367.	0.2	1
6	Current and emerging roles of Cockayne syndrome group B (CSB) protein. Nucleic Acids Research, 2021, 49, 2418-2434.	6.5	30
7	Selfâ€assembly of multiâ€component mitochondrial nucleoids via phase separation. EMBO Journal, 2021, 40, e107165.	3.5	36
8	NEK1 deficiency affects mitochondrial functions and the transcriptome of key DNA repair pathways. Mutagenesis, 2021, 36, 223-236.	1.0	8
9	NAD⁺ supplementation prevents STINGâ€induced senescence in ataxia telangiectasia by improving mitophagy. Aging Cell, 2021, 20, e13329.	3.0	58
10	DNA polymerase Î² outperforms DNA polymerase Î³ in key mitochondrial base excision repair activities. DNA Repair, 2021, 99, 103050.	1.3	11
11	Skin Abnormalities in Disorders with DNA Repair Defects, Premature Aging, and Mitochondrial Dysfunction. Journal of Investigative Dermatology, 2021, 141, 968-975.	0.3	21
12	LEO1 is a partner for Cockayne syndrome protein B (CSB) in response to transcription-blocking DNA damage. Nucleic Acids Research, 2021, 49, 6331-6346.	6.5	8
13	Base excision repair causes age-dependent accumulation of single-stranded DNA breaks that contribute to Parkinson disease pathology. Cell Reports, 2021, 36, 109668.	2.9	26
14	NAD ⁺ supplementation reduces neuroinflammation and cell senescence in a transgenic mouse model of Alzheimerâ€™s disease via cGASâ€“STING. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	176
15	Olfactory dysfunction in aging and neurodegenerative diseases. Ageing Research Reviews, 2021, 70, 101416.	5.0	56
16	NAD+ augmentation with nicotinamide riboside improves lymphoid potential of Atmâ^'/â^' and old mice HSCs. Npj Aging and Mechanisms of Disease, 2021, 7, 25.	4.5	12
17	CDK2 phosphorylation of Werner protein (WRN) contributes to WRNâ€™s DNA doubleâ€strand break repair pathway choice. Aging Cell, 2021, 20, e13484.	3.0	7
18	Alteration of mitochondrial homeostasis is an early event in a C. elegans model of human tauopathy. Aging, 2021, 13, 23876-23894.	1.4	9

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19	A brain proteomic signature of incipient Alzheimerâ€™s disease in young APOE Îµ4 carriers identifies novel drug targets. Science Advances, 2021, 7, eabi8178.	4.7	23
20	Cytosolic Self-DNAâ€"A Potential Source of Chronic Inflammation in Aging. Cells, 2021, 10, 3544.	1.8	12
21	Mitophagy and DNA damage signaling in human aging. Mechanisms of Ageing and Development, 2020, 186, 111207.	2.2	40
22	The NAD+-mitophagy axis in healthy longevity and in artificial intelligence-based clinical applications. Mechanisms of Ageing and Development, 2020, 185, 111194.	2.2	36
23	Spatial Transcriptomics Reveals Genes Associated with Dysregulated Mitochondrial Functions and Stress Signaling in Alzheimer Disease. IScience, 2020, 23, 101556.	1.9	61
24	Cockayne syndrome proteins CSA and CSB maintain mitochondrial homeostasis through NAD⁺ signaling. Aging Cell, 2020, 19, e13268.	3.0	26
25	Reâ€equilibration of imbalanced NAD metabolism ameliorates the impact of telomere dysfunction. EMBO Journal, 2020, 39, e103420.	3.5	42
26	Heterochromatin: an epigenetic point of view in aging. Experimental and Molecular Medicine, 2020, 52, 1466-1474.	3.2	78
27	DNA damage and mitochondria in cancer and aging. Carcinogenesis, 2020, 41, 1625-1634.	1.3	58
28	Interaction between RECQL4 and OGG1 promotes repair of oxidative base lesion 8-oxoG and is regulated by SIRT1 deacetylase. Nucleic Acids Research, 2020, 48, 6530-6546.	6.5	17
29	DNA damage invokes mitophagy through a pathway involving Spata18. Nucleic Acids Research, 2020, 48, 6611-6623.	6.5	31
30	Hippocampal tau oligomerization early in tau pathology coincides with a transient alteration of mitochondrial homeostasis and DNA repair in a mouse model of tauopathy. Acta Neuropathologica Communications, 2020, 8, 25.	2.4	35
31	Short-term NAD+ supplementation prevents hearing loss in mouse models of Cockayne syndrome. Npj Aging and Mechanisms of Disease, 2020, 6, 1.	4.5	45
32	Cockayne syndrome group A and B proteins function in rRNA transcription through nucleolin regulation. Nucleic Acids Research, 2020, 48, 2473-2485.	6.5	34
33	Biological sex and DNA repair deficiency drive Alzheimerâ€™s disease via systemic metabolic remodeling and brain mitochondrial dysfunction. Acta Neuropathologica, 2020, 140, 25-47.	3.9	45
34	Mitochondria in the signaling pathways that control longevity and health span. Ageing Research Reviews, 2019, 54, 100940.	5.0	118
35	Deletion of OGG1 Results in a Differential Signature of Oxidized Purine Base Damage in mtDNA Regions. International Journal of Molecular Sciences, 2019, 20, 3302.	1.8	8
36	Cockayne syndrome group B deficiency reduces H3K9me3 chromatin remodeler SETDB1 and exacerbates cellular aging. Nucleic Acids Research, 2019, 47, 8548-8562.	6.5	26

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37	Lamin A/C promotes DNA base excision repair. Nucleic Acids Research, 2019, 47, 11709-11728.	6.5	35
38	Ageing as a risk factor for neurodegenerative disease. Nature Reviews Neurology, 2019, 15, 565-581.	4.9	1,578
39	NEIL1 stimulates neurogenesis and suppresses neuroinflammation after stress. Free Radical Biology and Medicine, 2019, 141, 47-58.	1.3	17
40	Loss of ARID1A in Tumor Cells Renders Selective Vulnerability to Combined Ionizing Radiation and PARP Inhibitor Therapy. Clinical Cancer Research, 2019, 25, 5584-5594.	3.2	80
41	Acetylation of Werner protein at K1127 and K1117 is important for nuclear trafficking and DNA repair. DNA Repair, 2019, 79, 22-31.	1.3	6
42	Sarcopenia, Aging and Prospective Interventional Strategies. Current Medicinal Chemistry, 2019, 25, 5588-5596.	1.2	40
43	Senolytic therapy alleviates AÎ²-associated oligodendrocyte progenitor cell senescence and cognitive deficits in an Alzheimerâ€™s disease model. Nature Neuroscience, 2019, 22, 719-728.	7.1	577
44	Mitophagy inhibits amyloid-Î² and tau pathology and reverses cognitive deficits in models of Alzheimerâ€™s disease. Nature Neuroscience, 2019, 22, 401-412.	7.1	1,008
45	Assessment of NAD+metabolism in human cell cultures, erythrocytes, cerebrospinal fluid and primate skeletal muscle. Analytical Biochemistry, 2019, 572, 1-8.	1.1	35
46	Diminished OPA1 expression and impaired mitochondrial morphology and homeostasis in Aprataxin-deficient cells. Nucleic Acids Research, 2019, 47, 4086-4110.	6.5	23
47	NAD+ augmentation restores mitophagy and limits accelerated aging in Werner syndrome. Nature Communications, 2019, 10, 5284.	5.8	165
48	NAD⁺ Metabolism in Aging and Cancer. Annual Review of Cancer Biology, 2019, 3, 105-130.	2.3	48
49	A high-throughput screen to identify novel small molecule inhibitors of the Werner Syndrome Helicase-Nuclease (WRN). PLoS ONE, 2019, 14, e0210525.	1.1	24
50	Toward understanding genomic instability, mitochondrial dysfunction and aging. FEBS Journal, 2019, 286, 1058-1073.	2.2	52
51	Emerging Antitumor Activities of the Bitter Melon (Momordica charantia). Current Protein and Peptide Science, 2019, 20, 296-301.	0.7	15
52	Nicotinamide Improves Aspects of Healthspan, but Not Lifespan, in Mice. Cell Metabolism, 2018, 27, 667-676.e4.	7.2	242
53	Natural polyphenols as sirtuin 6 modulators. Scientific Reports, 2018, 8, 4163.	1.6	109
54	Multiple RPAs make WRN syndrome protein a superhelicase. Nucleic Acids Research, 2018, 46, 4689-4698.	6.5	28

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55	NAD ⁺ supplementation normalizes key Alzheimerâ€™s features and DNA damage responses in a new AD mouse model with introduced DNA repair deficiency. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E1876-E1885.	3.3	316
56	Regulation of the Intranuclear Distribution of the Cockayne Syndrome Proteins. Scientific Reports, 2018, 8, 17490.	1.6	8
57	Acidic domain of WRNp is critical for autophagy and up-regulates age associated proteins. DNA Repair, 2018, 68, 1-11.	1.3	7
58	Enhanced mitochondrial DNA repair of the common disease-associated variant, Ser326Cys, of hOGG1 through small molecule intervention. Free Radical Biology and Medicine, 2018, 124, 149-162.	1.3	17
59	Genome instability in Alzheimer disease. Mechanisms of Ageing and Development, 2017, 161, 83-94.	2.2	83
60	NAD⁺ in DNA repair and mitochondrial maintenance. Cell Cycle, 2017, 16, 491-492.	1.3	40
61	Mitophagy in neurodegeneration and aging. Neurochemistry International, 2017, 109, 202-209.	1.9	272
62	DNA damage responses in central nervous system and age-associated neurodegeneration. Mechanisms of Ageing and Development, 2017, 161, 1-3.	2.2	13
63	Mitophagy and Alzheimerâ€™s Disease: Cellular and Molecular Mechanisms. Trends in Neurosciences, 2017, 40, 151-166.	4.2	553
64	Tomatidine enhances lifespan and healthspan in C. elegans through mitophagy induction via the SKN-1/Nrf2 pathway. Scientific Reports, 2017, 7, 46208.	1.6	116
65	NAP1L1 accelerates activation and decreases pausing to enhance nucleosome remodeling by CSB. Nucleic Acids Research, 2017, 45, 4696-4707.	6.5	25
66	Base Excision Repair in Aging. , 2017, , 773-803.		1
67	NAD⁺: The convergence of DNA repair and mitophagy. Autophagy, 2017, 13, 442-443.	4.3	33
68	Rev1 contributes to proper mitochondrial function via the PARP-NAD+-SIRT1-PGC1Î± axis. Scientific Reports, 2017, 7, 12480.	1.6	17
69	NAD + in Aging: Molecular Mechanisms and Translational Implications. Trends in Molecular Medicine, 2017, 23, 899-916.	3.5	333
70	Cell cycle-dependent phosphorylation regulates RECQL4 pathway choice and ubiquitination in DNA double-strand break repair. Nature Communications, 2017, 8, 2039.	5.8	71
71	In Vitro and In Vivo Detection of Mitophagy in Human Cells, C. Elegans, and Mice. Journal of Visualized Experiments, 2017, , .	0.2	20
72	Cockayne syndrome: Clinical features, model systems and pathways. Ageing Research Reviews, 2017, 33, 3-17.	5.0	184

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73	DNA polymerase Î² decrement triggers death of olfactory bulb cells and impairs olfaction in a mouse model of Alzheimer's disease. Aging Cell, 2017, 16, 162-172.	3.0	38
74	The Identification of a SIRT6 Activator from Brown Algae Fucus distichus. Marine Drugs, 2017, 15, 190.	2.2	37
75	Recent Advances in Understanding Werner Syndrome. F1000Research, 2017, 6, 1779.	0.8	58
76	WRN regulates pathway choice between classical and alternative non-homologous end joining. Nature Communications, 2016, 7, 13785.	5.8	81
77	JNK Phosphorylates SIRT6 to Stimulate DNA Double-Strand Break Repair in Response to Oxidative Stress by Recruiting PARP1 to DNA Breaks. Cell Reports, 2016, 16, 2641-2650.	2.9	104
78	NAD + Replenishment Improves Lifespan and Healthspan in Ataxia Telangiectasia Models via Mitophagy and DNA Repair. Cell Metabolism, 2016, 24, 566-581.	7.2	420
79	Single-molecule imaging reveals a common mechanism shared by G-quadruplexâ€“resolving helicases. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 8448-8453.	3.3	85
80	A ketogenic diet accelerates neurodegeneration in mice with induced mitochondrial DNA toxicity in the forebrain. Neurobiology of Aging, 2016, 48, 34-47.	1.5	30
81	Active Control of Repetitive Structural Transitions between Replication Forks and Holliday Junctions by Werner Syndrome Helicase. Structure, 2016, 24, 1292-1300.	1.6	10
82	RECQL4 Promotes DNA End Resection in Repair of DNA Double-Strand Breaks. Cell Reports, 2016, 16, 161-173.	2.9	81
83	Acquired Localized Cutis Laxa due to Increased Elastin Turnover. Case Reports in Dermatology, 2016, 8, 42-51.	0.3	6
84	Cockayne syndrome group A and B proteins converge on transcription-linked resolution of non-B DNA. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12502-12507.	3.3	72
85	<scp>RECQL4</scp> helicase has oncogenic potential in sporadic breast cancers. Journal of Pathology, 2016, 238, 495-501.	2.1	43
86	Effects of Sex, Strain, and Energy Intake on Hallmarks of Aging in Mice. Cell Metabolism, 2016, 23, 1093-1112.	7.2	360
87	Nuclear DNA damage signalling to mitochondria in ageing. Nature Reviews Molecular Cell Biology, 2016, 17, 308-321.	16.1	294
88	RECQL5 has unique strand annealing properties relative to the other human RecQ helicase proteins. DNA Repair, 2016, 37, 53-66.	1.3	15
89	Clinicopathological and prognostic significance of RECQL5 helicase expression in breast cancers. Carcinogenesis, 2016, 37, 63-71.	1.3	31
90	Mitochondrial SIRT3 Mediates Adaptive Responses of Neurons to Exercise and Metabolic and Excitatory Challenges. Cell Metabolism, 2016, 23, 128-142.	7.2	286

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91	Camptothecin targets WRN protein: mechanism and relevance in clinical breast cancer. Oncotarget, 2016, 7, 13269-13284.	0.8	38
92	Slow mitochondrial repair of 5â€²-AMP renders mtDNA susceptible to damage in APTX deficient cells. Scientific Reports, 2015, 5, 12876.	1.6	23
93	Human exonuclease 1 (EXO1) activity characterization and its function on flap structures. Bioscience Reports, 2015, 35, .	1.1	38
94	A novel method for determining human ex vivo submaximal skeletal muscle mitochondrial function. Journal of Physiology, 2015, 593, 3991-4010.	1.3	13
95	The role of DNA base excision repair in brain homeostasis and disease. DNA Repair, 2015, 32, 172-179.	1.3	30
96	CSB interacts with SNM1A and promotes DNA interstrand crosslink processing. Nucleic Acids Research, 2015, 43, 247-258.	6.5	48
97	SLX4 contributes to telomere preservation and regulated processing of telomeric joint molecule intermediates. Nucleic Acids Research, 2015, 43, 5912-5923.	6.5	55
98	The DNA structure and sequence preferences of WRN underlie its function in telomeric recombination events. Nature Communications, 2015, 6, 8331.	5.8	15
99	The impact of base excision DNA repair in age-related neurodegenerative diseases. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2015, 776, 31-39.	0.4	59
100	Loss of NEIL1 causes defects in olfactory function in mice. Neurobiology of Aging, 2015, 36, 1007-1012.	1.5	18
101	Asbestos-Induced Pulmonary Fibrosis Is Augmented in 8-Oxoguanine DNA Glycosylase Knockout Mice. American Journal of Respiratory Cell and Molecular Biology, 2015, 52, 25-36.	1.4	47
102	DNA polymerase Î² deficiency leads to neurodegeneration and exacerbates Alzheimer disease phenotypes. Nucleic Acids Research, 2015, 43, 943-959.	6.5	110
103	Partial loss of the DNA repair scaffolding protein, Xrcc1 , results in increased brain damage and reduced recovery from ischemic stroke in mice. Neurobiology of Aging, 2015, 36, 2319-2330.	1.5	17
104	Regulation of the human Suv3 helicase on DNA by inorganic cofactors. Biochimie, 2015, 108, 160-168.	1.3	1
105	Increased deoxythymidine triphosphate levels is a feature of relative cognitive decline. Mitochondrion, 2015, 25, 34-37.	1.6	8
106	Differential and Concordant Roles for Poly(ADP-Ribose) Polymerase 1 and Poly(ADP-Ribose) in Regulating WRN and RECQL5 Activities. Molecular and Cellular Biology, 2015, 35, 3974-3989.	1.1	12
107	DNA Damage, DNA Repair, Aging, and Neurodegeneration. Cold Spring Harbor Perspectives in Medicine, 2015, 5, a025130.	2.9	285
108	A research agenda for aging in China in the 21st century. Ageing Research Reviews, 2015, 24, 197-205.	5.0	374

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109	Protecting the mitochondrial powerhouse. Trends in Cell Biology, 2015, 25, 158-170.	3.6	260
110	Defective mitochondrial respiration, altered dNTP pools and reduced AP endonuclease 1 activity in peripheral blood mononuclear cells of Alzheimer's disease patients. Aging, 2015, 7, 793-810.	1.4	38
111	Dynamics of the DNA repair proteins WRN and BLM in the nucleoplasm and nucleoli. European Biophysics Journal, 2014, 43, 509-516.	1.2	9
112	Mitochondria-targeted Ogg1 and Aconitase-2 Prevent Oxidant-induced Mitochondrial DNA Damage in Alveolar Epithelial Cells. Journal of Biological Chemistry, 2014, 289, 6165-6176.	1.6	85
113	Catalytic activities of Werner protein are affected by adduction with 4-hydroxy-2-nonenal. Nucleic Acids Research, 2014, 42, 11119-11135.	6.5	13
114	Human RECQL1 participates in telomere maintenance. Nucleic Acids Research, 2014, 42, 5671-5688.	6.5	38
115	Overexpression of DNA ligase III in mitochondria protects cells against oxidative stress and improves mitochondrial DNA base excision repair. DNA Repair, 2014, 16, 44-53.	1.3	37
116	Defective Mitophagy in XPA via PARP-1 Hyperactivation and NAD+/SIRT1 Reduction. Cell, 2014, 157, 882-896.	13.5	554
117	BDNF and Exercise Enhance Neuronal DNA Repair by Stimulating CREB-Mediated Production of Apurinic/Apyrimidinic Endonuclease 1. NeuroMolecular Medicine, 2014, 16, 161-174.	1.8	121
118	A High-Fat Diet and NAD + Activate Sirt1 to Rescue Premature Aging in Cockayne Syndrome. Cell Metabolism, 2014, 20, 840-855.	7.2	306
119	Transient overexpression of Werner protein rescues starvation induced autophagy in Werner syndrome cells. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 2387-2394.	1.8	15
120	The role of RecQ helicases in non-homologous end-joining. Critical Reviews in Biochemistry and Molecular Biology, 2014, 49, 463-472.	2.3	22
121	Contribution of defective mitophagy to the neurodegeneration in DNA repair-deficient disorders. Autophagy, 2014, 10, 1468-1469.	4.3	39
122	Human longevity and variation in DNA damage response and repair: study of the contribution of sub-processes using competitive gene-set analysis. European Journal of Human Genetics, 2014, 22, 1131-1136.	1.4	31
123	RECQ helicase RECQL4 participates in non-homologous end joining and interacts with the Ku complex. Carcinogenesis, 2014, 35, 2415-2424.	1.3	52
124	Base excision DNA repair levels in mitochondrial lysates ofÂAlzheimer's disease. Neurobiology of Aging, 2014, 35, 1293-1300.	1.5	58
125	Cockayne Syndrome group B protein stimulates NEIL2 DNA glycosylase activity. Mechanisms of Ageing and Development, 2014, 135, 1-14.	2.2	39
126	Human RecQ Helicases in DNA Repair, Recombination, and Replication. Annual Review of Biochemistry, 2014, 83, 519-552.	5.0	461

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127	Di-(2-ethylhexyl) phthalate inhibits DNA replication leading to hyperPARylation, SIRT1 attenuation and mitochondrial dysfunction in the testis. Scientific Reports, 2014, 4, 6434.	1.6	47
128	Serines 440 and 467 in the Werner syndrome protein are phosphorylated by DNA-PK and affects its dynamics in response to DNA double strand breaks. Aging, 2014, 6, 70-81.	1.4	22
129	A Small Molecule Inhibitor of the BLM Helicase Modulates Chromosome Stability in Human Cells. Chemistry and Biology, 2013, 20, 55-62.	6.2	128
130	The role of DNA repair in brain related disease pathology. DNA Repair, 2013, 12, 578-587.	1.3	127
131	Special Issue on the segmental progeria Cockayne syndrome. Mechanisms of Ageing and Development, 2013, 134, 159-160.	2.2	7
132	Mitochondrial deficiency in Cockayne syndrome. Mechanisms of Ageing and Development, 2013, 134, 275-283.	2.2	66
133	Multiple interaction partners for Cockayne syndrome proteins: Implications for genome and transcriptome maintenance. Mechanisms of Ageing and Development, 2013, 134, 212-224.	2.2	29
134	Functional deficit associated with a missense Werner syndrome mutation. DNA Repair, 2013, 12, 414-421.	1.3	16
135	The RECQL4 protein, deficient in Rothmundâ€“Thomson syndrome is active on telomeric D-loops containing DNA metabolism blocking lesions. DNA Repair, 2013, 12, 518-528.	1.3	25
136	Human RECQL5: Guarding the crossroads of DNA replication and transcription and providing backup capability. Critical Reviews in Biochemistry and Molecular Biology, 2013, 48, 289-299.	2.3	30
137	Modulation of DNA base excision repair during neuronal differentiation. Neurobiology of Aging, 2013, 34, 1717-1727.	1.5	52
138	Base excision repair in the mammalian brain: Implication for age related neurodegeneration. Mechanisms of Ageing and Development, 2013, 134, 440-448.	2.2	50
139	Site-Specific Noncovalent Interaction of the Biopolymer Poly(ADP-ribose) with the Werner Syndrome Protein Regulates Protein Functions. ACS Chemical Biology, 2013, 8, 179-188.	1.6	41
140	RECQL5 plays co-operative and complementary roles with WRN syndrome helicase. Nucleic Acids Research, 2013, 41, 881-899.	6.5	23
141	The RecQ helicase RECQL5 participates in psoralen-induced interstrand cross-link repair. Carcinogenesis, 2013, 34, 2218-2230.	1.3	11
142	Regulatory interplay of Cockayne syndrome B ATPase and stress-response gene ATF3 following genotoxic stress. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E2261-70.	3.3	44
143	A novel diagnostic tool reveals mitochondrial pathology in human diseases and aging. Aging, 2013, 5, 192-208.	1.4	53
144	Overview of DNA Repair Pathways. , 2013, , 1-24.		1

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145	Xeroderma pigmentosum group A protein modulates mitophagy through regulation of mitochondrialâ€associated proteins. FASEB Journal, 2013, 27, lb468.	0.2	0
146	Involvement of Werner syndrome protein in MUTYH-mediated repair of oxidative DNA damage. Nucleic Acids Research, 2012, 40, 8449-8459.	6.5	23
147	The human RecQ helicases BLM and RECQL4 cooperate to preserve genome stability. Nucleic Acids Research, 2012, 40, 6632-6648.	6.5	52
148	Cockayne syndrome group B protein prevents the accumulation of damaged mitochondria by promoting mitochondrial autophagy. Journal of Experimental Medicine, 2012, 209, 855-869.	4.2	177
149	RECQL4, the Protein Mutated in Rothmund-Thomson Syndrome, Functions in Telomere Maintenance. Journal of Biological Chemistry, 2012, 287, 196-209.	1.6	99
150	Endonuclease VIII-like 1 (NEIL1) promotes short-term spatial memory retention and protects from ischemic stroke-induced brain dysfunction and death in mice. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14948-14953.	3.3	64
151	Human RECQL5 participates in the removal of endogenous DNA damage. Molecular Biology of the Cell, 2012, 23, 4273-4285.	0.9	28
152	RECQL5 cooperates with Topoisomerase II alpha in DNA decatenation and cell cycle progression. Nucleic Acids Research, 2012, 40, 1621-1635.	6.5	43
153	Human Cockayne syndrome B protein reciprocally communicates with mitochondrial proteins and promotes transcriptional elongation. Nucleic Acids Research, 2012, 40, 8392-8405.	6.5	56
154	RECQL4 in genomic instability and aging. Trends in Genetics, 2012, 28, 624-631.	2.9	64
155	Sporadic Alzheimer disease fibroblasts display an oxidative stress phenotype. Free Radical Biology and Medicine, 2012, 53, 1371-1380.	1.3	47
156	Mitochondrial base excision repair in mouse synaptosomes during normal aging and in a model of Alzheimer's disease. Neurobiology of Aging, 2012, 33, 694-707.	1.5	32
157	RECQL4 localizes to mitochondria and preserves mitochondrial DNA integrity. Aging Cell, 2012, 11, 456-466.	3.0	97
158	RecQ helicases in DNA double strand break repair and telomere maintenance. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2012, 736, 15-24.	0.4	66
159	RECQ1 is required for cellular resistance to replication stress and catalyzes strand exchange on stalled replication fork structures. Cell Cycle, 2012, 11, 4252-4265.	1.3	46
160	RAPADILINO RECQL4 mutant protein lacks helicase and ATPase activity. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 1727-1734.	1.8	17
161	Quantitative analysis of WRN exonuclease activity by isotope dilution mass spectrometry. Mechanisms of Ageing and Development, 2012, 133, 575-579.	2.2	5
162	DNA Repair: Front and Center and Not Going Away!. Methods in Molecular Biology, 2012, 920, 1-6.	0.4	0

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163	Age-Related Disease Association of Endogenous Î³-H2AX Foci in Mononuclear Cells Derived from Leukapheresis. PLoS ONE, 2012, 7, e45728.	1.1	26
164	Recruitment and retention dynamics of RECQL5 at DNA double strand break sites. DNA Repair, 2012, 11, 624-635.	1.3	29
165	Repair of persistent strand breaks in the mitochondrial genome. Mechanisms of Ageing and Development, 2012, 133, 169-175.	2.2	57
166	Nucleolin Inhibits G4 Oligonucleotide Unwinding by Werner Helicase. PLoS ONE, 2012, 7, e35229.	1.1	24
167	DNA binding residues in the RQC domain of Werner protein are critical for its catalytic activities. Aging, 2012, 4, 417-429.	1.4	24
168	The helicase and ATPase activities of RECQL4 are compromised by mutations reported in three human patients. Aging, 2012, 4, 790-802.	1.4	10
169	Proteome-wide Identification of WRN-Interacting Proteins in Untreated and Nuclease-Treated Samples. Journal of Proteome Research, 2011, 10, 1216-1227.	1.8	39
170	DNA secondary structure of the released strand stimulates WRN helicase action on forked duplexes without coordinate action of WRN exonuclease. Biochemical and Biophysical Research Communications, 2011, 411, 684-689.	1.0	4
171	DNA repair deficiency in neurodegeneration. Progress in Neurobiology, 2011, 94, 166-200.	2.8	280
172	The human Suv3 helicase interacts with replication protein A and flap endonuclease 1 in the nucleus. Biochemical Journal, 2011, 440, 293-300.	1.7	17
173	Evidence that OGG1 Glycosylase Protects Neurons against Oxidative DNA Damage and Cell Death under Ischemic Conditions. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 680-692.	2.4	101
174	Xeroderma pigmentosum and other diseases of human premature aging and DNA repair: Molecules to patients. Mechanisms of Ageing and Development, 2011, 132, 340-347.	2.2	32
175	The excitatory neurotransmitter glutamate stimulates DNA repair to increase neuronal resiliency. Mechanisms of Ageing and Development, 2011, 132, 405-411.	2.2	65
176	3rd International Genome Dynamics in Neuroscience Conference: â€œDNA repair and neurological diseaseâ€• Mechanisms of Ageing and Development, 2011, 132, 353-354.	2.2	0
177	Factors that influence telomeric oxidative base damage and repair by DNA glycosylase OGG1. DNA Repair, 2011, 10, 34-44.	1.3	103
178	Bi-directional routing of DNA mismatch repair protein human exonuclease 1 to replication foci and DNA double strand breaks. DNA Repair, 2011, 10, 73-86.	1.3	42
179	WRN helicase regulates the ATRâ€“CHK1-induced S-phase checkpoint pathway in response to topoisomerase-Iâ€“DNA covalent complexes. Journal of Cell Science, 2011, 124, 3967-3979.	1.2	45
180	Non-B DNA-forming Sequences and WRN Deficiency Independently Increase the Frequency of Base Substitution in Human Cells. Journal of Biological Chemistry, 2011, 286, 10017-10026.	1.6	31

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