

# Magnar Björnars

## List of Publications by Year in descending order

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173  
papers

10,898  
citations

47006

47  
h-index

33894

99  
g-index

192  
all docs

192  
docs citations

192  
times ranked

13094  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cloning and expression of a rat brain L-glutamate transporter. <i>Nature</i> , 1992, 360, 464-467.	27.8	1,197
2	Base Excision Repair. <i>Cold Spring Harbor Perspectives in Biology</i> , 2013, 5, a012583-a012583.	5.5	908
3	Human and bacterial oxidative demethylases repair alkylation damage in both RNA and DNA. <i>Nature</i> , 2003, 421, 859-863.	27.8	558
4	The base excision repair pathway. <i>Trends in Biochemical Sciences</i> , 1995, 20, 391-397.	7.5	492
5	Broad histone H3K4me3 domains in mouse oocytes modulate maternal-to-zygotic transition. <i>Nature</i> , 2016, 537, 548-552.	27.8	484
6	OGG1 initiates age-dependent CAG trinucleotide expansion in somatic cells. <i>Nature</i> , 2007, 447, 447-452.	27.8	392
7	Exercise induces cerebral VEGF and angiogenesis via the lactate receptor HCAR1. <i>Nature Communications</i> , 2017, 8, 15557.	12.8	321
8	Human DNA glycosylases of the bacterial Fpg/MutM superfamily: an alternative pathway for the repair of 8-oxoguanine and other oxidation products in DNA. <i>Nucleic Acids Research</i> , 2002, 30, 4926-4936.	14.5	245
9	Mitochondrial DNA Integrity Is Essential For Mitochondrial Maturation During Differentiation of Neural Stem Cells. <i>Stem Cells</i> , 2010, 28, 2195-2204.	3.2	228
10	New functions of XPC in the protection of human skin cells from oxidative damage. <i>EMBO Journal</i> , 2006, 25, 4305-4315.	7.8	227
11	Ythdf2-mediated m6A mRNA clearance modulates neural development in mice. <i>Genome Biology</i> , 2018, 19, 69.	8.8	216
12	Discovery and development of safe-in-man broad-spectrum antiviral agents. <i>International Journal of Infectious Diseases</i> , 2020, 93, 268-276.	3.3	169
13	Structure-based mutagenesis reveals the albumin-binding site of the neonatal Fc receptor. <i>Nature Communications</i> , 2012, 3, 610.	12.8	160
14	Human ABH3 structure and key residues for oxidative demethylation to reverse DNA/RNA damage. <i>EMBO Journal</i> , 2006, 25, 3389-3397.	7.8	157
15	Epitope-resolved profiling of the SARS-CoV-2 antibody response identifies cross-reactivity with endemic human coronaviruses. <i>Cell Reports Medicine</i> , 2021, 2, 100189.	6.5	149
16	PGM3 Mutations Cause a Congenital Disorder of Glycosylation with Severe Immunodeficiency and Skeletal Dysplasia. <i>American Journal of Human Genetics</i> , 2014, 95, 96-107.	6.2	148
17	The <i>Saccharomyces cerevisiae</i> Homologues of Endonuclease III from <i>Escherichia coli</i> , Ntg1 and Ntg2, Are Both Required for Efficient Repair of Spontaneous and Induced Oxidative DNA Damage in Yeast. <i>Molecular and Cellular Biology</i> , 1999, 19, 3779-3787.	2.3	144
18	DNA base repair " recognition and initiation of catalysis. <i>FEMS Microbiology Reviews</i> , 2009, 33, 1044-1078.	8.6	140

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19	Extending Serum Half-life of Albumin by Engineering Neonatal Fc Receptor (FcRn) Binding. <i>Journal of Biological Chemistry</i> , 2014, 289, 13492-13502.	3.4	132
20	Inosine in DNA and RNA. <i>Current Opinion in Genetics and Development</i> , 2014, 26, 116-123.	3.3	117
21	WRN Interacts Physically and Functionally with the Recombination Mediator Protein RAD52. <i>Journal of Biological Chemistry</i> , 2003, 278, 36476-36486.	3.4	105
22	Substrate specificities of bacterial and human AlkB proteins. <i>Nucleic Acids Research</i> , 2004, 32, 3456-3461.	14.5	104
23	Reciprocal "flipping" underlies substrate recognition and catalytic activation by the human 8-oxo-guanine DNA glycosylase. <i>Journal of Molecular Biology</i> , 2002, 317, 171-177.	4.2	101
24	Potential Antiviral Options against SARS-CoV-2 Infection. <i>Viruses</i> , 2020, 12, 642.	3.3	92
25	Excision of 3-methylguanine from alkylated DNA by 3-methyladenine DNA glycosylase I of <i>Escherichia coli</i> . <i>Nucleic Acids Research</i> , 1993, 21, 2045-2049.	14.5	86
26	Hippocampal Adult Neurogenesis Is Maintained by Neil3-Dependent Repair of Oxidative DNA Lesions in Neural Progenitor Cells. <i>Cell Reports</i> , 2012, 2, 503-510.	6.4	84
27	Dynamic relocalization of hOGG1 during the cell cycle is disrupted in cells harbouring the hOGG1-Cys326 polymorphic variant. <i>Nucleic Acids Research</i> , 2005, 33, 1813-1824.	14.5	83
28	Structures of endonuclease V with DNA reveal initiation of deaminated adenine repair. <i>Nature Structural and Molecular Biology</i> , 2009, 16, 138-143.	8.2	83
29	Endonuclease VIII-like 3 (Neil3) DNA glycosylase promotes neurogenesis induced by hypoxia-ischemia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 18802-18807.	7.1	83
30	Human NEIL3 is mainly a monofunctional DNA glycosylase removing spiroimidiohydantoin and guanidinohydantoin. <i>DNA Repair</i> , 2013, 12, 1159-1164.	2.8	80
31	Dissection of the Molecular Defects Caused by Pathogenic Mutations in the DNA Repair Factor XPC. <i>Molecular and Cellular Biology</i> , 2008, 28, 7225-7235.	2.3	79
32	Human OGG1 undergoes serine phosphorylation and associates with the nuclear matrix and mitotic chromatin in vivo. <i>Nucleic Acids Research</i> , 2002, 30, 2349-2357.	14.5	75
33	Endonuclease V cleaves at inosines in RNA. <i>Nature Communications</i> , 2013, 4, 2271.	12.8	71
34	Separation-of-Function Mutants Unravel the Dual-Reaction Mode of Human 8-Oxoguanine DNA Glycosylase. <i>Structure</i> , 2011, 19, 117-127.	3.3	70
35	Oxygenation of the Newborn: A Molecular Approach. <i>Neonatology</i> , 2012, 101, 315-325.	2.0	70
36	Cell-cycle regulation, intracellular sorting and induced overexpression of the human NTH1 DNA glycosylase involved in removal of formamidopyrimidine residues from DNA. <i>Mutation Research DNA Repair</i> , 2000, 460, 95-104.	3.7	68

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37	Novel Antiviral Activities of Obatoclox, Emetine, Niclosamide, Brequinar, and Homoharringtonine. <i>Viruses</i> , 2019, 11, 964.	3.3	68
38	Ginsenoside Rd promotes glutamate clearance by up-regulating glial glutamate transporter GLT-1 via PI3K/AKT and ERK1/2 pathways. <i>Frontiers in Pharmacology</i> , 2013, 4, 152.	3.5	67
39	Common Nodes of Virus-Host Interaction Revealed Through an Integrated Network Analysis. <i>Frontiers in Immunology</i> , 2019, 10, 2186.	4.8	67
40	Expression patterns of Neil3 during embryonic brain development and neoplasia. <i>BMC Neuroscience</i> , 2009, 10, 45.	1.9	66
41	Neil1 is a genetic modifier of somatic and germline CAG trinucleotide repeat instability in R6/1 mice. <i>Human Molecular Genetics</i> , 2012, 21, 4939-4947.	2.9	66
42	Widespread distribution of DNA glycosylases removing oxidative DNA lesions in human and rodent brains. <i>DNA Repair</i> , 2008, 7, 1578-1588.	2.8	65
43	Human OXR1 maintains mitochondrial DNA integrity and counteracts hydrogen peroxide-induced oxidative stress by regulating antioxidant pathways involving p21. <i>Free Radical Biology and Medicine</i> , 2014, 77, 41-48.	2.9	64
44	Novel activities of safe-in-human broad-spectrum antiviral agents. <i>Antiviral Research</i> , 2018, 154, 174-182.	4.1	64
45	Incision at hypoxanthine residues in DNA by a mammalian homologue of the Escherichia coli antimutator enzyme endonuclease V. <i>Nucleic Acids Research</i> , 2003, 31, 3893-3900.	14.5	58
46	A new protein superfamily includes two novel 3-methyladenine DNA glycosylases from <i>Bacillus cereus</i> , AlkC and AlkD. <i>Molecular Microbiology</i> , 2006, 59, 1602-1609.	2.5	57
47	Limited repair of 8-hydroxy-7,8-dihydroguanine residues in human testicular cells. <i>Nucleic Acids Research</i> , 2003, 31, 1351-1363.	14.5	56
48	The DNA modification N6-methyl-2'-deoxyadenosine (m6dA) drives activity-induced gene expression and is required for fear extinction. <i>Nature Neuroscience</i> , 2019, 22, 534-544.	14.8	51
49	Screening of FDA-Approved Drugs Using a MERS-CoV Clinical Isolate from South Korea Identifies Potential Therapeutic Options for COVID-19. <i>Viruses</i> , 2021, 13, 651.	3.3	50
50	Impaired base excision repair and accumulation of oxidative base lesions in CD4+ T cells of HIV-infected patients. <i>Blood</i> , 2005, 105, 4730-4735.	1.4	49
51	Identification and Tracking of Antiviral Drug Combinations. <i>Viruses</i> , 2020, 12, 1178.	3.3	48
52	Release from quiescence stimulates the expression of human NEIL3 under the control of the Ras dependent ERK-MAP kinase pathway. <i>DNA Repair</i> , 2012, 11, 401-409.	2.8	45
53	Secretoneurin Is a Novel Prognostic Cardiovascular Biomarker Associated With Cardiomyocyte Calcium Handling. <i>Journal of the American College of Cardiology</i> , 2015, 65, 339-351.	2.8	45
54	NEIL3-Dependent Regulation of Cardiac Fibroblast Proliferation Prevents Myocardial Rupture. <i>Cell Reports</i> , 2017, 18, 82-92.	6.4	45

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55	Catalytically impaired hMYH and NEIL1 mutant proteins identified in patients with primary sclerosing cholangitis and cholangiocarcinoma. <i>Carcinogenesis</i> , 2009, 30, 1147-1154.	2.8	43
56	Silver nanoparticles induce premutagenic DNA oxidation that can be prevented by phytochemicals from <i>Gentiana asclepiadea</i> . <i>Mutagenesis</i> , 2012, 27, 759-769.	2.6	43
57	Transcriptome analysis of human OXR1 depleted cells reveals its role in regulating the p53 signaling pathway. <i>Scientific Reports</i> , 2015, 5, 17409.	3.3	43
58	Base excision repair activities required for yeast to attain a full chronological life span. <i>Aging Cell</i> , 2003, 2, 93-104.	6.7	42
59	Increased nuclear DNA damage precedes mitochondrial dysfunction in peripheral blood mononuclear cells from Huntington's disease patients. <i>Scientific Reports</i> , 2018, 8, 9817.	3.3	40
60	A general role of the DNA glycosylase Nth1 in the abasic sites cleavage step of base excision repair in <i>Schizosaccharomyces pombe</i> . <i>Nucleic Acids Research</i> , 2004, 32, 5119-5125.	14.5	39
61	Product inhibition and magnesium modulate the dual reaction mode of hOgg1. <i>DNA Repair</i> , 2005, 4, 381-387.	2.8	39
62	Loss of Neil3, the major DNA glycosylase activity for removal of hydantoins in single stranded DNA, reduces cellular proliferation and sensitizes cells to genotoxic stress. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 1157-1164.	4.1	39
63	Cockayne Syndrome group B protein stimulates NEIL2 DNA glycosylase activity. <i>Mechanisms of Ageing and Development</i> , 2014, 135, 1-14.	4.6	39
64	Synergistic Actions of Ogg1 and Mutyh DNA Glycosylases Modulate Anxiety-like Behavior in Mice. <i>Cell Reports</i> , 2015, 13, 2671-2678.	6.4	39
65	Dissection of the Neonatal Fc Receptor (FcRn)-Albumin Interface Using Mutagenesis and Anti-FcRn Albumin-blocking Antibodies. <i>Journal of Biological Chemistry</i> , 2014, 289, 17228-17239.	3.4	38
66	Biochemical mapping of human NEIL1 DNA glycosylase and AP lyase activities. <i>DNA Repair</i> , 2012, 11, 766-773.	2.8	37
67	No cancer predisposition or increased spontaneous mutation frequencies in NEIL DNA glycosylases-deficient mice. <i>Scientific Reports</i> , 2017, 7, 4384.	3.3	37
68	Lack of the DNA glycosylases MYH and OGG1 in the cancer prone double mutant mouse does not increase mitochondrial DNA mutagenesis. <i>DNA Repair</i> , 2012, 11, 278-285.	2.8	36
69	A new <i>Schizosaccharomyces pombe</i> base excision repair mutant, nth1, reveals overlapping pathways for repair of DNA base damage. <i>Molecular Microbiology</i> , 2003, 48, 465-480.	2.5	34
70	Genetic Interactions of DNA Repair Pathways in the Pathogen <i>Neisseria meningitidis</i> . <i>Journal of Bacteriology</i> , 2007, 189, 5728-5737.	2.2	34
71	Antimicrobial resistance: A challenge awaiting the post-COVID-19 era. <i>International Journal of Infectious Diseases</i> , 2021, 111, 322-325.	3.3	34
72	N6-methyladenosine in RNA of atherosclerotic plaques: An epitranscriptomic signature of human carotid atherosclerosis. <i>Biochemical and Biophysical Research Communications</i> , 2020, 533, 631-637.	2.1	33

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73	Expanding the activity spectrum of antiviral agents. <i>Drug Discovery Today</i> , 2019, 24, 1224-1228.	6.4	31
74	The ada operon of <i>Mycobacterium tuberculosis</i> encodes two DNA methyltransferases for inducible repair of DNA alkylation damage. <i>DNA Repair</i> , 2011, 10, 595-602.	2.8	29
75	AP endonuclease independent repair of abasic sites in <i>Schizosaccharomyces pombe</i> . <i>Nucleic Acids Research</i> , 2012, 40, 2000-2009.	14.5	29
76	Uracil-DNA Glycosylase UNG Promotes Tet-mediated DNA Demethylation. <i>Journal of Biological Chemistry</i> , 2016, 291, 731-738.	3.4	29
77	Susceptibility to infections, without concomitant hyper-IgE, reported in 1976, is caused by hypomorphic mutation in the phosphoglucomutase 3 ( PGM3 ) gene. <i>Clinical Immunology</i> , 2015, 161, 366-372.	3.2	28
78	Glycosylated Chromogranin A in Heart Failure. <i>Circulation: Heart Failure</i> , 2017, 10, .	3.9	28
79	Alkyladenine DNA glycosylase associates with transcription elongation to coordinate DNA repair with gene expression. <i>Nature Communications</i> , 2019, 10, 5460.	12.8	28
80	Structural insight into repair of alkylated DNA by a new superfamily of DNA glycosylases comprising HEAT-like repeats. <i>Nucleic Acids Research</i> , 2007, 35, 2451-2459.	14.5	27
81	Neil3-dependent base excision repair regulates lipid metabolism and prevents atherosclerosis in Apoe-deficient mice. <i>Scientific Reports</i> , 2016, 6, 28337.	3.3	26
82	Monitoring of the spatial and temporal dynamics of BER/SSBR pathway proteins, including MYH, UNG2, MPG, NTH1 and NEIL1-3, during DNA replication. <i>Nucleic Acids Research</i> , 2017, 45, 8291-8301.	14.5	25
83	The <i>Bacillus subtilis</i> Counterpart of the Mammalian 3-Methyladenine DNA Glycosylase Has Hypoxanthine and 1,N6-Ethnoadenine as Preferred Substrates. <i>Journal of Biological Chemistry</i> , 2004, 279, 13601-13606.	3.4	24
84	Neil3 induced neurogenesis protects against prion disease during the clinical phase. <i>Scientific Reports</i> , 2016, 6, 37844.	3.3	24
85	Neuromodulatory Effect of NLRP3 and ASC in Neonatal Hypoxic Ischemic Encephalopathy. <i>Neonatology</i> , 2019, 115, 355-362.	2.0	24
86	Expression and purification of NEIL3, a human DNA glycosylase homolog. <i>Protein Expression and Purification</i> , 2009, 65, 160-164.	1.3	23
87	OXR1A, a Coactivator of PRMT5 Regulating Histone Arginine Methylation. <i>Cell Reports</i> , 2020, 30, 4165-4178.e7.	6.4	23
88	Novel <i>UCHL1</i> mutations reveal new insights into ubiquitin processing. <i>Human Molecular Genetics</i> , 2017, 26, ddw391.	2.9	22
89	Inducible expression of the GLT-1 glutamate transporter in a CHO cell line selected for low endogenous glutamate uptake. <i>FEBS Letters</i> , 1998, 422, 339-342.	2.8	21
90	Mutually exclusive RNA secondary structures regulate translation initiation of DinQ in <i>Escherichia coli</i> . <i>Rna</i> , 2016, 22, 1739-1749.	3.5	21

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91	Synthetic lethality between murine DNA repair factors XLF and DNA-PKcs is rescued by inactivation of Ku70. <i>DNA Repair</i> , 2017, 57, 133-138.	2.8	21
92	Impaired oxidative stress response characterizes HUWE1-promoted X-linked intellectual disability. <i>Scientific Reports</i> , 2017, 7, 15050.	3.3	21
93	The capacity to remove 8-oxoG is enhanced in newborn neural stem/progenitor cells and decreases in juvenile mice and upon cell differentiation. <i>DNA Repair</i> , 2007, 6, 723-732.	2.8	20
94	Genetic variants in the DNA repair gene NEIL3 and the risk of myocardial infarction in a nested case-control study. The HUNT Study. <i>DNA Repair</i> , 2015, 28, 21-27.	2.8	20
95	Peptides containing the PCNA interacting motif APIM bind to the $\beta$ -clamp and inhibit bacterial growth and mutagenesis. <i>Nucleic Acids Research</i> , 2020, 48, 5540-5554.	14.5	20
96	Synergistic Interferon-Alpha-Based Combinations for Treatment of SARS-CoV-2 and Other Viral Infections. <i>Viruses</i> , 2021, 13, 2489.	3.3	20
97	Absence of NLRP3 Inflammasome in Hematopoietic Cells Reduces Adverse Remodeling After Experimental Myocardial Infarction. <i>JACC Basic To Translational Science</i> , 2020, 5, 1210-1224.	4.1	19
98	Mono- and combinational drug therapies for global viral pandemic preparedness. <i>IScience</i> , 2022, 25, 104112.	4.1	19
99	Fumarylacetoacetate inhibits the initial step of the base excision repair pathway: implication for the pathogenesis of tyrosinemia type I. <i>Journal of Inherited Metabolic Disease</i> , 2013, 36, 773-778.	3.6	18
100	3CAPS – a structural AP site analogue as a tool to investigate DNA base excision repair. <i>Nucleic Acids Research</i> , 2016, 44, 2187-2198.	14.5	18
101	Integrative whole-genome sequence analysis reveals roles of regulatory mutations in BCL6 and BCL2 in follicular lymphoma. <i>Scientific Reports</i> , 2017, 7, 7040.	3.3	18
102	Comparative analysis of 8-oxoG:C, 8-oxoG:A, A:C and C:C DNA repair in extracts from wild type or 8-oxoG DNA glycosylase deficient mammalian and bacterial cells. <i>DNA Repair</i> , 2003, 2, 707-718.	2.8	17
103	Parp3 promotes astrocytic differentiation through a tight regulation of Nox4-induced ROS and mTorc2 activation. <i>Cell Death and Disease</i> , 2020, 11, 954.	6.3	17
104	The Schizosaccharomyces pombe AlkB homolog Abh1 exhibits AP lyase activity but no demethylase activity. <i>DNA Repair</i> , 2012, 11, 453-462.	2.8	16
105	Genome instability in Maple Syrup Urine Disease correlates with impaired mitochondrial biogenesis. <i>Metabolism: Clinical and Experimental</i> , 2014, 63, 1063-1070.	3.4	16
106	A transgenic minipig model of Huntington's disease shows early signs of behavioral and molecular pathologies. <i>DMM Disease Models and Mechanisms</i> , 2018, 11, .	2.4	15
107	Nafamostat-Interferon- $\beta$ Combination Suppresses SARS-CoV-2 Infection In Vitro and In Vivo by Cooperatively Targeting Host TMPRSS2. <i>Viruses</i> , 2021, 13, 1768.	3.3	15
108	DrugVirus.info 2.0: an integrative data portal for broad-spectrum antivirals (BSA) and BSA-containing drug combinations (BCCs). <i>Nucleic Acids Research</i> , 2022, 50, W272-W275.	14.5	15

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109	Breaking the speed limit with multimode fast scanning of DNA by Endonuclease V. <i>Nature Communications</i> , 2018, 9, 5381.	12.8	14
110	Generation of a Mouse Model Lacking the Non-Homologous End-Joining Factor Mri/Cyren. <i>Biomolecules</i> , 2019, 9, 798.	4.0	14
111	Antibiotic-induced DNA damage results in a controlled loss of pH homeostasis and genome instability. <i>Scientific Reports</i> , 2020, 10, 19422.	3.3	14
112	The Chromatin Remodeling Factor SMARCB1 Forms a Complex with Human Cytomegalovirus Proteins UL114 and UL44. <i>PLoS ONE</i> , 2012, 7, e34119.	2.5	14
113	Human cytomegalovirus infection modulates DNA base excision repair in fibroblast cells. <i>Virology</i> , 2006, 348, 389-397.	2.4	13
114	The distribution of DNA damage is defined by region-specific susceptibility to DNA damage formation rather than repair differences. <i>DNA Repair</i> , 2014, 18, 44-51.	2.8	13
115	Chemical, Physical and Biological Triggers of Evolutionary Conserved Bcl-xL-Mediated Apoptosis. <i>Cancers</i> , 2020, 12, 1694.	3.7	13
116	ALKBH3 partner ASCC3 mediates P-body formation and selective clearance of MMS-induced 1-methyladenosine and 3-methylcytosine from mRNA. <i>Journal of Translational Medicine</i> , 2021, 19, 287.	4.4	13
117	Up-regulation of myocardial DNA base excision repair activities in experimental heart failure. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2009, 666, 32-38.	1.0	12
118	8-oxoguanine DNA glycosylase (Ogg1) controls hepatic gluconeogenesis. <i>DNA Repair</i> , 2018, 61, 56-62.	2.8	12
119	Base excision repair activities in organotypic hippocampal slice cultures exposed to oxygen and glucose deprivation. <i>DNA Repair</i> , 2008, 7, 869-878.	2.8	11
120	Accelerated clinical course of prion disease in mice compromised in repair of oxidative DNA damage. <i>Free Radical Biology and Medicine</i> , 2014, 68, 1-7.	2.9	11
121	Genetic diversity and drug resistance pattern of <i>Mycobacterium tuberculosis</i> strains isolated from pulmonary tuberculosis patients in the Benishangul Gumuz region and its surroundings, Northwest Ethiopia. <i>PLoS ONE</i> , 2020, 15, e0231320.	2.5	11
122	DNA glycosylase Neil3 regulates vascular smooth muscle cell biology during atherosclerosis development. <i>Atherosclerosis</i> , 2021, 324, 123-132.	0.8	11
123	A Systems Approach to Study Immuno- and Neuro-Modulatory Properties of Antiviral Agents. <i>Viruses</i> , 2018, 10, 423.	3.3	10
124	Diverse functions of DNA glycosylases processing oxidative base lesions in brain. <i>DNA Repair</i> , 2019, 81, 102665.	2.8	10
125	Histone Methylations Define Neural Stem/Progenitor Cell Subtypes in the Mouse Subventricular Zone. <i>Molecular Neurobiology</i> , 2020, 57, 997-1008.	4.0	10
126	PML regulates neuroprotective innate immunity and neuroblast commitment in a hypoxic ischemic encephalopathy model. <i>Cell Death and Disease</i> , 2016, 7, e2320-e2320.	6.3	9



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127	Crystal structure and MD simulation of mouse EndoV reveal wedge motif plasticity in this inosine-specific endonuclease. <i>Scientific Reports</i> , 2016, 6, 24979.	3.3	9
128	Metabolism and DNA repair shape a specific modification pattern in mitochondrial DNA. <i>Mitochondrion</i> , 2018, 40, 16-28.	3.4	9
129	Deletion of Endonuclease V suppresses chemically induced hepatocellular carcinoma. <i>Nucleic Acids Research</i> , 2020, 48, 4463-4479.	14.5	9
130	Structural basis for substrate and product recognition in human phosphoglucomutase-1 (PGM1) isoform 2, a member of the Î±-d-phosphohexomutase superfamily. <i>Scientific Reports</i> , 2020, 10, 5656.	3.3	9
131	Sculpting of DNA at Abasic Sites by DNA Glycosylase Homolog Mag2. <i>Structure</i> , 2013, 21, 154-166.	3.3	8
132	A new family of proteins related to the HEAT-like repeat DNA glycosylases with affinity for branched DNA structures. <i>Journal of Structural Biology</i> , 2013, 183, 66-75.	2.8	8
133	Structural basis for incision at deaminated adenines in DNA and RNA by endonuclease V. <i>Progress in Biophysics and Molecular Biology</i> , 2015, 117, 134-142.	2.9	8
134	Regulation of Human Endonuclease V Activity and Relocalization to Cytoplasmic Stress Granules. <i>Journal of Biological Chemistry</i> , 2016, 291, 21786-21801.	3.4	8
135	Excision of the doubly methylated base <i>N</i> <sup>4</sup> ,5-dimethylcytosine from DNA by <i>Escherichia coli</i> Nei and Fpg proteins. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20170337.	4.0	8
136	Synthesis and antimicrobial activities of chitosan/polypropylene carbonate-based nanoparticles. <i>RSC Advances</i> , 2021, 11, 10121-10129.	3.6	8
137	NEIL1 and NEIL2 DNA glycosylases modulate anxiety and learning in a cooperative manner in mice. <i>Communications Biology</i> , 2021, 4, 1354.	4.4	8
138	Reduced expression of DNA glycosylases in post-hypoxic newborn pigs undergoing therapeutic hypothermia. <i>Brain Research</i> , 2010, 1363, 198-205.	2.2	7
139	Insight into ALKBH8-related intellectual developmental disability based on the first pathogenic missense variant. <i>Human Genetics</i> , 2022, 141, 209-215.	3.8	7
140	Production, isolation and purification of bacteriocins expressed by two strains of <i>Neisseria meningitidis</i> . <i>Apmis</i> , 1998, 106, 1181-1187.	2.0	6
141	Modulation of DNA glycosylase activities in mesenchymal stem cells. <i>Experimental Cell Research</i> , 2009, 315, 2558-2567.	2.6	6
142	DNA repair enzyme NEIL3 enables a stable neural representation of space by shaping transcription in hippocampal neurons. <i>IScience</i> , 2021, 24, 103470.	4.1	6
143	Human NEIL1 localizes with the centrosomes and condensed chromosomes during mitosis. <i>DNA Repair</i> , 2007, 6, 1425-1433.	2.8	5
144	Addressing RNA Integrity to Determine the Impact of Mitochondrial DNA Mutations on Brain Mitochondrial Function with Age. <i>PLoS ONE</i> , 2014, 9, e96940.	2.5	5

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145	Increased p53 signaling impairs neural differentiation in HUWE1-promoted intellectual disabilities. <i>Cell Reports Medicine</i> , 2021, 2, 100240.	6.5	5
146	Impact of Oxidative DNA Damage and the Role of DNA Glycosylases in Neurological Dysfunction. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12924.	4.1	5
147	Neonatal Ogg1/Mutyh knockout mice have altered inflammatory gene response compared to wildtype mice in the brain and lung after hypoxia-reoxygenation. <i>Journal of Perinatal Medicine</i> , 2018, 47, 114-124.	1.4	4
148	Additive manufacturing of laminar flow cells for single-molecule experiments. <i>Scientific Reports</i> , 2019, 9, 16784.	3.3	4
149	HMST-Seq-Analyzer: A new python tool for differential methylation and hydroxymethylation analysis in various DNA methylation sequencing data. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 2877-2889.	4.1	4
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