

Tapas K Hazra

List of Publications by Year in descending order

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80
papers

7,434
citations

41344

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69250

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docs citations

87
times ranked

5996
citing authors

#	ARTICLE	IF	CITATIONS
1	Innate Immune Responses to RSV Infection Facilitated by OGG1, an Enzyme Repairing Oxidatively Modified DNA Base Lesions. <i>Journal of Innate Immunity</i> , 2022, 14, 593-614.	3.8	10
2	PIAS1 modulates striatal transcription, DNA damage repair, and SUMOylation with relevance to Huntington's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	28
3	Intrapulmonary administration of purified NEIL2 abrogates NF- κ B-mediated inflammation. <i>Journal of Biological Chemistry</i> , 2021, 296, 100723.	3.4	14
4	DNA glycosylase NEIL2 functions in multiple cellular processes. <i>Progress in Biophysics and Molecular Biology</i> , 2021, 164, 72-80.	2.9	9
5	Transcription coupled base excision repair in mammalian cells: So little is known and so much to uncover. <i>DNA Repair</i> , 2021, 107, 103204.	2.8	19
6	The DNA Glycosylase NEIL2 Suppresses Fusobacterium-Infection-Induced Inflammation and DNA Damage in Colonic Epithelial Cells. <i>Cells</i> , 2020, 9, 1980.	4.1	28
7	<i>Helicobacter pylori</i> infection downregulates the DNA glycosylase NEIL2, resulting in increased genome damage and inflammation in gastric epithelial cells. <i>Journal of Biological Chemistry</i> , 2020, 295, 11082-11098.	3.4	35
8	Pyridoxine enhances chemo-responsiveness of breast cancer stem cells via redox reconditioning. <i>Free Radical Biology and Medicine</i> , 2020, 152, 152-165.	2.9	9
9	Deficiency in classical nonhomologous end-joining-mediated repair of transcribed genes is linked to SCA3 pathogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 8154-8165.	7.1	28
10	NEIL2 plays a critical role in limiting inflammation and preserving genomic integrity in <i>H. pylori</i> -infected gastric epithelial cells. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
11	Mutant huntingtin impairs PNKP and ATXN3, disrupting DNA repair and transcription. <i>ELife</i> , 2019, 8, .	6.0	83
12	Excision release of 5-hydroxycytosine oxidatively induced DNA base lesions from the lung genome by cat dander extract challenge stimulates allergic airway inflammation. <i>Clinical and Experimental Allergy</i> , 2018, 48, 1676-1687.	2.9	3
13	Effects of the stimuli-dependent enrichment of 8-oxoguanine DNA glycosylase1 on chromatinized DNA. <i>Redox Biology</i> , 2018, 18, 43-53.	9.0	47
14	The Pivotal Role of DNA Repair in Infection Mediated-Inflammation and Cancer. <i>Frontiers in Microbiology</i> , 2018, 9, 663.	3.5	36
15	Innate mechanism of pollen- and cat dander-induced oxidative stress and DNA damage in the airways. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 140, 1436-1439.e5.	2.9	16
16	PEG-functionalized zinc oxide nanoparticles induce apoptosis in breast cancer cells through reactive oxygen species-dependent impairment of DNA damage repair enzyme NEIL2. <i>Free Radical Biology and Medicine</i> , 2017, 103, 35-47.	2.9	61
17	Feeling Stressed under the Sun? RPA1 Acetylation to the Rescue. <i>Cell Reports</i> , 2017, 20, 1995-1996.	6.4	0
18	Classical non-homologous end-joining pathway utilizes nascent RNA for error-free double-strand break repair of transcribed genes. <i>Nature Communications</i> , 2016, 7, 13049.	12.8	136

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19	Oxidized Guanine Base Lesions Function in 8-Oxoguanine DNA Glycosylase-1-mediated Epigenetic Regulation of Nuclear Factor κ B-driven Gene Expression. <i>Journal of Biological Chemistry</i> , 2016, 291, 25553-25566.	3.4	151
20	Myeloid differentiation protein 2 facilitates pollen- and cat dander-induced innate and allergic airway inflammation. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 1506-1513.e2.	2.9	29
21	Suppression of oxidative phosphorylation in mouse embryonic fibroblast cells deficient in apurinic/apyrimidinic endonuclease. <i>DNA Repair</i> , 2015, 27, 40-48.	2.8	10
22	The Role of the Mammalian DNA End-processing Enzyme Polynucleotide Kinase λ -Phosphatase in Spinocerebellar Ataxia Type 3 Pathogenesis. <i>PLoS Genetics</i> , 2015, 11, e1004749.	3.5	84
23	The C-terminal Domain (CTD) of Human DNA Glycosylase NEIL1 Is Required for Forming BERosome Repair Complex with DNA Replication Proteins at the Replicating Genome. <i>Journal of Biological Chemistry</i> , 2015, 290, 20919-20933.	3.4	41
24	Amphotericin B and anidulafungin directly interact with DNA and induce oxidative damage in the mammalian genome. <i>Molecular BioSystems</i> , 2015, 11, 2551-2559.	2.9	5
25	Inactivation of PNKP by Mutant ATXN3 Triggers Apoptosis by Activating the DNA Damage-Response Pathway in SCA3. <i>PLoS Genetics</i> , 2015, 11, e1004834.	3.5	69
26	Neil2-null Mice Accumulate Oxidized DNA Bases in the Transcriptionally Active Sequences of the Genome and Are Susceptible to Innate Inflammation. <i>Journal of Biological Chemistry</i> , 2015, 290, 24636-24648.	3.4	79
27	8-Oxoguanine DNA glycosylase-1-mediated DNA repair is associated with Rho GTPase activation and α -smooth muscle actin polymerization. <i>Free Radical Biology and Medicine</i> , 2014, 73, 430-438.	2.9	58
28	Innate Inflammation Induced by the 8-Oxoguanine DNA Glycosylase-1 κ B Pathway. <i>Journal of Immunology</i> , 2014, 193, 4643-4653.	0.8	85
29	MOF Phosphorylation by ATM Regulates 53BP1-Mediated Double-Strand Break Repair Pathway Choice. <i>Cell Reports</i> , 2014, 8, 177-189.	6.4	83
30	Controlling resistant bacteria with a novel class of β -lactamase inhibitor peptides: from rational design to in vivo analyses. <i>Scientific Reports</i> , 2014, 4, 6015.	3.3	16
31	NEIL2 Protects against Oxidative DNA Damage Induced by Sidestream Smoke in Human Cells. <i>PLoS ONE</i> , 2014, 9, e90261.	2.5	34
32	Down-regulation of 8-oxoguanine DNA glycosylase 1 expression in the airway epithelium ameliorates allergic lung inflammation. <i>DNA Repair</i> , 2013, 12, 18-26.	2.8	71
33	Activation of cellular signaling by 8-oxoguanine DNA glycosylase-1-initiated DNA base excision repair. <i>DNA Repair</i> , 2013, 12, 856-863.	2.8	60
34	Thirdhand smoke causes DNA damage in human cells. <i>Mutagenesis</i> , 2013, 28, 381-391.	2.6	131
35	Prereplicative repair of oxidized bases in the human genome is mediated by NEIL1 DNA glycosylase together with replication proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E3090-9.	7.1	90
36	Mutant Ataxin-3 inhibits λ phosphatase activity of human polynucleotide kinase λ phosphatase (PNKP). <i>FASEB Journal</i> , 2013, 27, .	0.5	0

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37	Role of Human DNA Glycosylase Nei-like 2 (NEIL2) and Single Strand Break Repair Protein Polynucleotide Kinase 3 α -Phosphatase in Maintenance of Mitochondrial Genome. <i>Journal of Biological Chemistry</i> , 2012, 287, 2819-2829.	3.4	77
38	Enhancement of NEIL1 Protein-initiated Oxidized DNA Base Excision Repair by Heterogeneous Nuclear Ribonucleoprotein U (hnRNP-U) via Direct Interaction. <i>Journal of Biological Chemistry</i> , 2012, 287, 34202-34211.	3.4	52
39	Activation of Ras Signaling Pathway by 8-Oxoguanine DNA Glycosylase Bound to Its Excision Product, 8-Oxoguanine. <i>Journal of Biological Chemistry</i> , 2012, 287, 20769-20773.	3.4	109
40	Increased risk of lung cancer associated with a functionally impaired polymorphic variant of the human DNA glycosylase NEIL2. <i>DNA Repair</i> , 2012, 11, 570-578.	2.8	42
41	Oxidative genome damage and its repair: Implications in aging and neurodegenerative diseases. <i>Mechanisms of Ageing and Development</i> , 2012, 133, 157-168.	4.6	124
42	Induction of NEIL1 and NEIL2 DNA glycosylases in aniline-induced splenic toxicity. <i>Toxicology and Applied Pharmacology</i> , 2011, 251, 1-7.	2.8	19
43	Preferential Repair of Oxidized Base Damage in the Transcribed Genes of Mammalian Cells. <i>Journal of Biological Chemistry</i> , 2011, 286, 6006-6016.	3.4	123
44	Functions of disordered regions in mammalian early base excision repair proteins. <i>Cellular and Molecular Life Sciences</i> , 2010, 67, 3573-3587.	5.4	63
45	RPA physically interacts with the human DNA glycosylase NEIL1 to regulate excision of oxidative DNA base damage in primer-template structures. <i>DNA Repair</i> , 2010, 9, 643-652.	2.8	53
46	Specific Inhibition of NEIL-initiated Repair of Oxidized Base Damage in Human Genome by Copper and Iron. <i>Journal of Biological Chemistry</i> , 2010, 285, 28812-28825.	3.4	64
47	Early steps in the DNA base excision/single-strand interruption repair pathway in mammalian cells. <i>Cell Research</i> , 2008, 18, 27-47.	12.0	549
48	Mutator phenotype of mammalian cells due to deficiency of NEIL1 DNA glycosylase, an oxidized base-specific repair enzyme. <i>DNA Repair</i> , 2008, 7, 1213-1220.	2.8	27
49	Interaction of the Human DNA Glycosylase NEIL1 with Proliferating Cell Nuclear Antigen. <i>Journal of Biological Chemistry</i> , 2008, 283, 3130-3140.	3.4	126
50	Physical and Functional Interaction between Human Oxidized Base-specific DNA Glycosylase NEIL1 and Flap Endonuclease 1. <i>Journal of Biological Chemistry</i> , 2008, 283, 27028-27037.	3.4	89
51	Stimulation of NEIL2-mediated Oxidized Base Excision Repair via YB-1 Interaction during Oxidative Stress. <i>Journal of Biological Chemistry</i> , 2007, 282, 28474-28484.	3.4	121
52	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.	3.4	100
53	The human checkpoint sensor Rad9 α -Rad1 α -Hus1 interacts with and stimulates NEIL1 glycosylase. <i>Nucleic Acids Research</i> , 2007, 35, 2463-2472.	14.5	64
54	Oxidative DNA damage repair in mammalian cells: A new perspective. <i>DNA Repair</i> , 2007, 6, 470-480.	2.8	240

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55	Increased ROS generation in subsets of OGG1 knockout fibroblast cells. <i>Mechanisms of Ageing and Development</i> , 2007, 128, 637-649.	4.6	37
56	NEIL2-initiated, APE-independent repair of oxidized bases in DNA: Evidence for a repair complex in human cells. <i>DNA Repair</i> , 2006, 5, 1439-1448.	2.8	127
57	Identification and characterization of mitochondrial abasic (AP)-endonuclease in mammalian cells. <i>Nucleic Acids Research</i> , 2006, 34, 2067-2076.	14.5	141
58	Purification and Characterization of NEIL1 and NEIL2, Members of a Distinct Family of Mammalian DNA Glycosylases for Repair of Oxidized Bases. <i>Methods in Enzymology</i> , 2006, 408, 33-48.	1.0	32
59	Acetylation of Human 8-Oxoguanine-DNA Glycosylase by p300 and Its Role in 8-Oxoguanine Repair In Vivo. <i>Molecular and Cellular Biology</i> , 2006, 26, 1654-1665.	2.3	165
60	Induction of the Human Oxidized Base-specific DNA Glycosylase NEIL1 by Reactive Oxygen Species. <i>Journal of Biological Chemistry</i> , 2005, 280, 35272-35280.	3.4	64
61	Action of human endonucleases III and VIII upon DNA-containing tandem dihydrouracil. <i>DNA Repair</i> , 2005, 4, 679-686.	2.8	16
62	ROS generated by pollen NADPH oxidase provide a signal that augments antigen-induced allergic airway inflammation. <i>Journal of Clinical Investigation</i> , 2005, 115, 2169-2179.	8.2	310
63	Acetylation of the human DNA glycosylase NEIL2 and inhibition of its activity. <i>Nucleic Acids Research</i> , 2004, 32, 3033-3039.	14.5	83
64	Identification of a Zinc Finger Domain in the Human NEIL2 (Nei-like-2) Protein. <i>Journal of Biological Chemistry</i> , 2004, 279, 47132-47138.	3.4	36
65	Stimulation of DNA Glycosylase Activity of OGG1 by NEIL1: A Functional Collaboration between Two Human DNA Glycosylases. <i>Biochemistry</i> , 2004, 43, 11596-11604.	2.5	67
66	AP Endonuclease-Independent DNA Base Excision Repair in Human Cells. <i>Molecular Cell</i> , 2004, 15, 209-220.	9.7	434
67	Role of acetylated human AP-endonuclease (APE1/Ref-1) in regulation of the parathyroid hormone gene. <i>EMBO Journal</i> , 2003, 22, 6299-6309.	7.8	158
68	Reduced DNA double strand breaks in chlorambucil resistant cells are related to high DNA-PKcs activity and low oxidative stress. <i>Toxicology</i> , 2003, 193, 137-152.	4.2	56
69	Mammalian DNA base excision repair proteins: their interactions and role in repair of oxidative DNA damage. <i>Toxicology</i> , 2003, 193, 43-65.	4.2	191
70	Age-dependent deficiency in import of mitochondrial DNA glycosylases required for repair of oxidatively damaged bases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 10670-10675.	7.1	114
71	Repair of Oxidized Bases in DNA Bubble Structures by Human DNA Glycosylases NEIL1 and NEIL2. <i>Journal of Biological Chemistry</i> , 2003, 278, 49679-49684.	3.4	305
72	The discovery of a new family of mammalian enzymes for repair of oxidatively damaged DNA, and its physiological implications. <i>Carcinogenesis</i> , 2003, 24, 155-157.	2.8	63

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73	Identification and Characterization of a Novel Human DNA Glycosylase for Repair of Cytosine-derived Lesions. <i>Journal of Biological Chemistry</i> , 2002, 277, 30417-30420.	3.4	289
74	Identification and characterization of a human DNA glycosylase for repair of modified bases in oxidatively damaged DNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 3523-3528.	7.1	459
75	Choreography of oxidative damage repair in mammalian genomes ^{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, 33, 15-28.	2.9	136
76	Multiple DNA glycosylases for repair of 8-oxoguanine and their potential in Vivo functions. <i>Progress in Molecular Biology and Translational Science</i> , 2001, 68, 193-205.	1.9	117
77	Oxidative DNA damage and 8-hydroxy-2-deoxyguanosine DNA glycosylase/apurinic lyase in human breast cancer. <i>Molecular Carcinogenesis</i> , 2001, 31, 214-223.	2.7	62
78	Complexities of the DNA base excision repair pathway for repair of oxidative DNA damage. <i>Environmental and Molecular Mutagenesis</i> , 2001, 38, 180-190.	2.2	131
79	Activation of human O ⁶ -methylguanine-DNA methyltransferase gene by glucocorticoid hormone. <i>Oncogene</i> , 1999, 18, 525-532.	5.9	66
80	Specific Recognition of O ⁶ -Methylguanine in DNA by Active Site Mutants of Human O ⁶ -Methylguanine-DNA Methyltransferase. <i>Biochemistry</i> , 1997, 36, 5769-5776.	2.5	65