

Carlos F Menck

List of Publications by Year in descending order

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201
papers

11,658
citations

46918

47
h-index

31759

101
g-index

203
all docs

203
docs citations

203
times ranked

15011
citing authors

#	ARTICLE	IF	CITATIONS
1	Mutagenicity Profile Induced by UVB Light in Human Xeroderma Pigmentosum Group C Cells. <i>Photochemistry and Photobiology</i> , 2022, 98, 713-731.	1.3	3
2	Detection of Post-Replicative Gaps Accumulation and Repair in Human Cells using the DNA Fiber Assay. <i>Journal of Visualized Experiments</i> , 2022, , .	0.2	0
3	Photorepair of Either CPD or 6-4PP DNA Lesions in Basal Keratinocytes Attenuates Ultraviolet-Induced Skin Effects in Nucleotide Excision Repair Deficient Mice. <i>Frontiers in Immunology</i> , 2022, 13, 800606.	2.2	7
4	DNA polymerase eta protects human cells against DNA damage induced by the tumor chemotherapeutic temozolomide. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2022, 878, 503498.	0.9	4
5	Melanopsin (Opn4) is an oncogene in cutaneous melanoma. <i>Communications Biology</i> , 2022, 5, 461.	2.0	10
6	ATM Pathway Is Essential for HPV-Positive Human Cervical Cancer-Derived Cell Lines Viability and Proliferation. <i>Pathogens</i> , 2022, 11, 637.	1.2	2
7	Transcription blockage by DNA damage in nucleotide excision repair-related neurological dysfunctions. <i>Seminars in Cell and Developmental Biology</i> , 2021, 114, 20-35.	2.3	14
8	Biallelic UBE4A loss-of-function variants cause intellectual disability and global developmental delay. <i>Genetics in Medicine</i> , 2021, 23, 661-668.	1.1	2
9	DNA damage and oxidative stress in human cells infected by <i>Trypanosoma cruzi</i> . <i>PLoS Pathogens</i> , 2021, 17, e1009502.	2.1	18
10	Xeroderma pigmentosum variant: squamous cell carcinoma of the lower lip harboring exon 11 mutation of POLH. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2021, 132, e97-e105.	0.2	4
11	Neurovascular dysfunction and neuroinflammation in a Cockayne syndrome mouse model. <i>Aging</i> , 2021, 13, 22710-22731.	1.4	5
12	Loss of Melanopsin (OPN4) Leads to a Faster Cell Cycle Progression and Growth in Murine Melanocytes. <i>Current Issues in Molecular Biology</i> , 2021, 43, 1436-1450.	1.0	9
13	XPC and POLH/XPV Genes Mutated in a Genetic Cluster of Xeroderma Pigmentosum Patients in Northeast Brazil. <i>Frontiers in Genetics</i> , 2021, 12, 784963.	1.1	3
14	Whole-exome sequencing reveals the impact of UVA light mutagenesis in xeroderma pigmentosum variant human cells. <i>Nucleic Acids Research</i> , 2020, 48, 1941-1953.	6.5	27
15	Inflammation response, oxidative stress and DNA damage caused by urban air pollution exposure increase in the lack of DNA repair XPC protein. <i>Environment International</i> , 2020, 145, 106150.	4.8	44
16	DNA Damage Induced by Late Spring Sunlight in Antarctica. <i>Photochemistry and Photobiology</i> , 2020, 96, 1215-1220.	1.3	14
17	Revealing Temozolomide Resistance Mechanisms via Genome-Wide CRISPR Libraries. <i>Cells</i> , 2020, 9, 2573.	1.8	24
18	NEK10 interactome and depletion reveal new roles in mitochondria. <i>Proteome Science</i> , 2020, 18, 4.	0.7	17

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19	Protein signatures to identify the different genera within the Xanthomonadaceae family. Brazilian Journal of Microbiology, 2020, 51, 1515-1526.	0.8	6
20	Evidence for sub-functionalization of tandemly duplicated XPB nucleotide excision repair genes in Arabidopsis thaliana. Gene, 2020, 754, 144818.	1.0	2
21	Melanopsin mediates UVA-dependent modulation of proliferation, pigmentation, apoptosis, and molecular clock in normal and malignant melanocytes. Biochimica Et Biophysica Acta - Molecular Cell Research, 2020, 1867, 118789.	1.9	22
22	The Iberian legacy into a young genetic xeroderma pigmentosum cluster in central Brazil. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2020, 852, 503164.	0.9	2
23	Comprehensive germline mutation analysis and clinical profile in a large cohort of Brazilian xeroderma pigmentosum patients. Journal of the European Academy of Dermatology and Venereology, 2020, 34, 2392-2401.	1.3	17
24	Large deletions in immunoglobulin genes are associated with a sustained absence of DNA Polymerase δ . Scientific Reports, 2020, 10, 1311.	1.6	7
25	Cooperation and interplay between base and nucleotide excision repair pathways: From DNA lesions to proteins. Genetics and Molecular Biology, 2020, 43, e20190104.	0.6	47
26	XPD/ERCC2 mutations interfere in cellular responses to oxidative stress. Mutagenesis, 2019, 34, 341-354.	1.0	12
27	ATR mediates cisplatin resistance in 3D-cultured breast cancer cells via translesion DNA synthesis modulation. Cell Death and Disease, 2019, 10, 459.	2.7	46
28	NEK5 interacts with topoisomerase II β and is involved in the DNA damage response induced by etoposide. Journal of Cellular Biochemistry, 2019, 120, 16853-16866.	1.2	14
29	Genetic and behavioral characterization of a Kmt2d mouse mutant, a new model for Kabuki Syndrome. Genes, Brain and Behavior, 2019, 18, e12568.	1.1	12
30	Familial predisposition to TP53/complex karyotype MDS and leukemia in DNA repair-deficient xeroderma pigmentosum. Blood, 2019, 133, 2718-2724.	0.6	31
31	Mutation in NADPH oxidase 3 (NOX3) impairs SHH signaling and increases cerebellar neural stem/progenitor cell proliferation. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 1502-1515.	1.8	10
32	The balance between NRF2/GSH antioxidant mediated pathway and DNA repair modulates cisplatin resistance in lung cancer cells. Scientific Reports, 2019, 9, 17639.	1.6	87
33	The key role of UVA-light induced oxidative stress in human Xeroderma Pigmentosum Variant cells. Free Radical Biology and Medicine, 2019, 131, 432-442.	1.3	20
34	ATR/Chk1 Pathway is Activated by Oxidative Stress in Response to UVA Light in Human Xeroderma Pigmentosum Variant Cells. Photochemistry and Photobiology, 2019, 95, 345-354.	1.3	8
35	Filling gaps in translesion DNA synthesis in human cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2018, 836, 127-142.	0.9	26
36	Horizontal Gene Transfer Building Prokaryote Genomes: Genes Related to Exchange Between Cell and Environment are Frequently Transferred. Journal of Molecular Evolution, 2018, 86, 190-203.	0.8	20

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37	Xeroderma Pigmentosum: When the Sun Is the Enemy. , 2018, , 562-562.		0
38	DNA repair pathways and cisplatin resistance: an intimate relationship. Clinics, 2018, 73, e478s.	0.6	262
39	Genoprotective Effect of <i>Phyllanthus orbicularis</i> Extract Against UVA, UVB, and Solar Radiation. Photochemistry and Photobiology, 2018, 94, 1026-1031.	1.3	5
40	DUOX1 Silencing in Mammary Cell Alters the Response to Genotoxic Stress. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-9.	1.9	11
41	Sunlight damage to cellular DNA: Focus on oxidatively generated lesions. Free Radical Biology and Medicine, 2017, 107, 110-124.	1.3	279
42	Chaperone-mediated autophagy prevents cellular transformation by regulating MYC proteasomal degradation. Autophagy, 2017, 13, 928-940.	4.3	77
43	LMNB1 mutation causes cerebellar involvement and a genome instability defect. Journal of the Neurological Sciences, 2017, 379, 249-252.	0.3	5
44	Molecular characterization of <i>Caulobacter crescentus</i> mutator strains. Gene, 2017, 626, 251-257.	1.0	11
45	Major Roles for Pyrimidine Dimers, Nucleotide Excision Repair, and ATR in the Alternative Splicing Response to UV Irradiation. Cell Reports, 2017, 18, 2868-2879.	2.9	41
46	Direct participation of DNA in the formation of singlet oxygen and base damage under UVA irradiation. Free Radical Biology and Medicine, 2017, 108, 86-93.	1.3	21
47	Biomass burning in the Amazon region causes DNA damage and cell death in human lung cells. Scientific Reports, 2017, 7, 10937.	1.6	62
48	A genetic cluster of patients with variant xeroderma pigmentosum with two different founder mutations. British Journal of Dermatology, 2017, 176, 1270-1278.	1.4	23
49	Autophagy Roles in the Modulation of DNA Repair Pathways. International Journal of Molecular Sciences, 2017, 18, 2351.	1.8	99
50	Evaluation of Genotoxic and DNA Photo-Protective Activity of <i>Bryothamnion triquetrum</i> and <i>Halimeda incrassata</i> Seaweeds Extracts. Cosmetics, 2017, 4, 23.	1.5	3
51	Toxic Evaluation of <i>Cymbopogon citratus</i> Chemical Fractions in <i>E. coli</i> . Cosmetics, 2017, 4, 20.	1.5	1
52	Predominant role of DNA polymerase eta and p53-dependent translesion synthesis in the survival of ultraviolet-irradiated human cells. Nucleic Acids Research, 2017, 45, 1270-1280.	6.5	40
53	The third of a series of articles for the 60th anniversary of the Brazilian Society of Genetics. Genetics and Molecular Biology, 2017, 40, I-I.	0.6	0
54	Evolutionary and Functional Relationships of the <i>dha</i> Regulon by Genomic Context Analysis. PLoS ONE, 2016, 11, e0150772.	1.1	10

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55	Microenvironment and autophagy cross-talk: Implications in cancer therapy. <i>Pharmacological Research</i> , 2016, 107, 300-307.	3.1	29
56	The ubiquitin family meets the Fanconi anemia proteins. <i>Mutation Research - Reviews in Mutation Research</i> , 2016, 769, 36-46.	2.4	15
57	Translesion synthesis mechanisms depend on the nature of DNA damage in UV-irradiated human cells. <i>Nucleic Acids Research</i> , 2016, 44, 5717-5731.	6.5	60
58	Cockayne syndrome-derived neurons display reduced synapse density and altered neural network synchrony. <i>Human Molecular Genetics</i> , 2016, 25, 1271-1280.	1.4	33
59	Chloroquine-induced glioma cells death is associated with mitochondrial membrane potential loss, but not oxidative stress. <i>Free Radical Biology and Medicine</i> , 2016, 90, 91-100.	1.3	28
60	XPC deficiency is related to APE1 and OGG1 expression and function. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2016, 784-785, 25-33.	0.4	16
61	NRF2 and glutathione are key resistance mediators to temozolomide in glioma and melanoma cells. <i>Oncotarget</i> , 2016, 7, 48081-48092.	0.8	94
62	The first of a series of articles dedicated to the 60th anniversary of the Brazilian Society of Genetics (SBG). <i>Genetics and Molecular Biology</i> , 2016, 39, 301-301.	0.6	0
63	The second of a series of articles for the 60th anniversary of the Brazilian Society of Genetics. <i>Genetics and Molecular Biology</i> , 2016, 39, 475-475.	0.6	0
64	ATR suppresses apoptosis after UVB light by controlling both translesion synthesis and alternative tolerance pathways. <i>Journal of Cell Science</i> , 2015, 128, 150-9.	1.2	15
65	DNA repair and recovery of RNA synthesis following exposure to ultraviolet light are delayed in long genes. <i>Nucleic Acids Research</i> , 2015, 43, 2744-2756.	6.5	64
66	Mutation in <i>PNKP</i> presenting initially as axonal Charcot-Marie-Tooth disease. <i>Neurology: Genetics</i> , 2015, 1, e30.	0.9	28
67	Three-dimensional microenvironment confers enhanced sensitivity to doxorubicin by reducing p53-dependent induction of autophagy. <i>Oncogene</i> , 2015, 34, 5329-5340.	2.6	46
68	Editorial. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2015, 776, 1.	0.4	0
69	Overexpression of <i>KLC2</i> due to a homozygous deletion in the non-coding region causes SPOAN syndrome. <i>Human Molecular Genetics</i> , 2015, 24, ddv388.	1.4	34
70	Glutathione depletion sensitizes cisplatin- and temozolomide-resistant glioma cells in vitro and in vivo. <i>Cell Death and Disease</i> , 2014, 5, e1505-e1505.	2.7	106
71	Highly Sensitive Biological Assay for Determining the Photoprotective Efficacy of Sunscreen. <i>Environmental Science & Technology</i> , 2014, 48, 11584-11590.	4.6	25
72	Gap-filling and bypass at the replication fork are both active mechanisms for tolerance of low-dose ultraviolet-induced DNA damage in the human genome. <i>DNA Repair</i> , 2014, 14, 27-38.	1.3	54

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73	DNA repair diseases: what do they tell us about cancer and aging?. <i>Genetics and Molecular Biology</i> , 2014, 37, 220-233.	0.6	116
74	Autophagy and genomic integrity. <i>Cell Death and Differentiation</i> , 2013, 20, 1444-1454.	5.0	158
75	Nucleotide excision repair activity on DNA damage induced by photoactivated methylene blue. <i>Free Radical Biology and Medicine</i> , 2013, 61, 343-356.	1.3	35
76	The relative roles of DNA damage induced by UVA irradiation in human cells. <i>Photochemical and Photobiological Sciences</i> , 2013, 12, 1483-1495.	1.6	56
77	DNA damage as a biological sensor for environmental sunlight. <i>Photochemical and Photobiological Sciences</i> , 2013, 12, 1259-1272.	1.6	73
78	The role of DNA repair in the pluripotency and differentiation of human stem cells. <i>Mutation Research - Reviews in Mutation Research</i> , 2013, 752, 25-35.	2.4	75
79	The Intronic Long Noncoding RNA ANRASSF1 Recruits PRC2 to the RASSF1A Promoter, Reducing the Expression of RASSF1A and Increasing Cell Proliferation. <i>PLoS Genetics</i> , 2013, 9, e1003705.	1.5	180
80	Susceptibility to DNA Damage as a Molecular Mechanism for Non-Syndromic Cleft Lip and Palate. <i>PLoS ONE</i> , 2013, 8, e65677.	1.1	35
81	Novel XPG (ERCC5) Mutations Affect DNA Repair and Cell Survival after Ultraviolet but not Oxidative Stress. <i>Human Mutation</i> , 2013, 34, 481-489.	1.1	47
82	Protective effect of a Phyllanthus orbicularis aqueous extract against UVB light in human cells. <i>Pharmaceutical Biology</i> , 2013, 51, 1-7.	1.3	10
83	UVB-Induced Cell Death Signaling Is Associated with G1-S Progression and Transcription Inhibition in Primary Human Fibroblasts. <i>PLoS ONE</i> , 2013, 8, e76936.	1.1	11
84	Proteome Analysis of Phenol-Degrading <i>Achromobacter</i> sp. Strain C-1, Isolated from an Industrial Area. <i>Current Proteomics</i> , 2012, 9, 280-289.	0.1	5
85	Both XPA and DNA polymerase eta are necessary for the repair of doxorubicin-induced DNA lesions. <i>Cancer Letters</i> , 2012, 314, 108-118.	3.2	28
86	DNA damage by singlet oxygen and cellular protective mechanisms. <i>Mutation Research - Reviews in Mutation Research</i> , 2012, 751, 15-28.	2.4	158
87	DNA damage profiles induced by sunlight at different latitudes. <i>Environmental and Molecular Mutagenesis</i> , 2012, 53, 198-206.	0.9	23
88	Evidence for premature aging due to oxidative stress in iPSCs from Cockayne syndrome. <i>Human Molecular Genetics</i> , 2012, 21, 3825-3834.	1.4	67
89	DNA Dosimetry Assessment for Sunscreen Genotoxic Photoprotection. <i>PLoS ONE</i> , 2012, 7, e40344.	1.1	21
90	DNA repair mechanisms protect our genome from carcinogenesis. <i>Frontiers in Bioscience - Landmark</i> , 2012, 17, 1362.	3.0	57

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91	Biological Sensors for Solar Ultraviolet Radiation. <i>Sensors</i> , 2011, 11, 4277-4294.	2.1	55
92	DNA damage induced by the anthracycline cosmomycin D in DNA repair-deficient cells. <i>Cancer Chemotherapy and Pharmacology</i> , 2010, 65, 989-994.	1.1	17
93	Effect of the anti-neoplastic drug doxorubicin on XPD-mutated DNA repair-deficient human cells. <i>DNA Repair</i> , 2010, 9, 40-47.	1.3	35
94	Impact of EMS outreach: Successful developments in Latin America. <i>Environmental and Molecular Mutagenesis</i> , 2010, 51, 763-773.	0.9	2
95	The genotoxic effects of DNA lesions induced by artificial UV-radiation and sunlight. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2010, 99, 111-116.	1.7	88
96	Evolutionary placement of Xanthomonadales based on conserved protein signature sequences. <i>Molecular Phylogenetics and Evolution</i> , 2010, 54, 524-534.	1.2	30
97	Plasmid DNA damage induced by singlet molecular oxygen released from the naphthalene endoperoxide DHPNO2 and photoactivated methylene blue. <i>Quimica Nova</i> , 2010, 33, 279-283.	0.3	11
98	A nova grande promessa da inovação em fármacos: RNA interferência saindo do laboratório para a clínica. <i>Estudos Avancados</i> , 2010, 24, 99-108.	0.2	0
99	NAD Biosynthesis Evolution in Bacteria: Lateral Gene Transfer of Kynurenine Pathway in Xanthomonadales and Flavobacteriales. <i>Molecular Biology and Evolution</i> , 2009, 26, 399-406.	3.5	50
100	Characterization of the phenol monooxygenase gene from <i>Chromobacterium violaceum</i> : Potential use for phenol biodegradation. <i>Biotechnology and Bioprocess Engineering</i> , 2009, 14, 694-701.	1.4	12
101	Identification of XP Complementation Groups by Recombinant Adenovirus Carrying DNA Repair Genes. <i>Journal of Investigative Dermatology</i> , 2009, 129, 502-506.	0.3	12
102	How DNA lesions are turned into powerful killing structures: Insights from UV-induced apoptosis. <i>Mutation Research - Reviews in Mutation Research</i> , 2009, 681, 197-208.	2.4	185
103	Ultraviolet light induced DNA damage that triggers apoptosis pathways. <i>Toxicology Letters</i> , 2009, 189, S22.	0.4	1
104	p53 Mutant Human Glioma Cells Are Sensitive to UV-C-Induced Apoptosis Due to Impaired Cyclobutane Pyrimidine Dimer Removal. <i>Molecular Cancer Research</i> , 2009, 7, 237-246.	1.5	28
105	Development of a DNA-dosimeter system for monitoring the effects of solar-ultraviolet radiation. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 111-120.	1.6	70
106	Xeroderma pigmentosum: Living in the dark but with hope in therapy. <i>Drugs of the Future</i> , 2009, 34, 665.	0.0	4
107	Replacement of the Arginine Biosynthesis Operon in Xanthomonadales by Lateral Gene Transfer. <i>Journal of Molecular Evolution</i> , 2008, 66, 266-275.	0.8	8
108	Laterally transferred genomic islands in Xanthomonadales related to pathogenicity and primary metabolism. <i>FEMS Microbiology Letters</i> , 2008, 281, 87-97.	0.7	43

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109	CPDs and 6-4PPs play different roles in UV-induced cell death in normal and NER-deficient human cells. <i>DNA Repair</i> , 2008, 7, 303-312.	1.3	61
110	Sustained activation of p53 in confluent nucleotide excision repair-deficient cells resistant to ultraviolet-induced apoptosis. <i>DNA Repair</i> , 2008, 7, 922-931.	1.3	15
111	Resistance to ultraviolet-induced apoptosis in DNA repair deficient growth arrested human fibroblasts is not related to recovery from RNA transcription blockage. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2008, 640, 1-7.	0.4	8
112	Characterization of the SOS Regulon of <i>Caulobacter crescentus</i> . <i>Journal of Bacteriology</i> , 2008, 190, 1209-1218.	1.0	62
113	Defective Transcription/Repair Factor IIIH Recruitment to Specific UV Lesions in Trichothiodystrophy Syndrome. <i>Cancer Research</i> , 2008, 68, 6074-6083.	0.4	15
114	Exploring DNA damage responses in human cells with recombinant adenoviral vectors. <i>Human and Experimental Toxicology</i> , 2007, 26, 899-906.	1.1	2
115	On the Search for Skin Gene Therapy Strategies of Xeroderma Pigmentosum Disease. <i>Current Gene Therapy</i> , 2007, 7, 163-174.	0.9	13
116	Differential Sensitivity of Malignant Glioma Cells to Methylating and Chloroethylating Anticancer Drugs: p53 Determines the Switch by Regulating <i>xpc, ddb2</i> , and DNA Double-Strand Breaks. <i>Cancer Research</i> , 2007, 67, 11886-11895.	0.4	96
117	Genome Sequence of <i>Aedes aegypti</i> , a Major Arbovirus Vector. <i>Science</i> , 2007, 316, 1718-1723.	6.0	1,025
118	Apoptosis in malignant glioma cells triggered by the temozolomide-induced DNA lesion O6-methylguanine. <i>Oncogene</i> , 2007, 26, 186-197.	2.6	440
119	A quantitative view of the transcriptome of <i>Schistosoma mansoni</i> adult-worms using SAGE. <i>BMC Genomics</i> , 2007, 8, 186.	1.2	31
120	Genome analysis of DNA repair genes in the alpha proteobacterium <i>Caulobacter crescentus</i> . <i>BMC Microbiology</i> , 2007, 7, 17.	1.3	28
121	Functional lentiviral vectors for xeroderma pigmentosum gene therapy. <i>Journal of Biotechnology</i> , 2006, 126, 424-430.	1.9	22
122	Adenovirus mediated transduction of the human DNA polymerase eta cDNA. <i>DNA Repair</i> , 2006, 5, 925-934.	1.3	10
123	Skeletal muscle cells expressing VEGF induce capillary formation and reduce cardiac injury in rats. <i>International Journal of Cardiology</i> , 2006, 113, 348-354.	0.8	32
124	Heat stress promotes mitochondrial instability and oxidative responses in yeast deficient in thiazole biosynthesis. <i>Research in Microbiology</i> , 2006, 157, 275-281.	1.0	38
125	Estresse oxidativo, lesões no genoma e processos de sinalização no controle do ciclo celular. <i>Química Nova</i> , 2006, 29, 1340-1344.	0.3	21
126	Involvement of DNA replication in ultraviolet-induced apoptosis of mammalian cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2006, 11, 1139-1148.	2.2	10

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127	Structure of the Thiazole Biosynthetic Enzyme THI1 from <i>Arabidopsis thaliana</i> . <i>Journal of Biological Chemistry</i> , 2006, 281, 30957-30966.	1.6	72
128	Transcriptome Analysis of <i>Aspergillus nidulans</i> Exposed to Camptothecin-Induced DNA Damage. <i>Eukaryotic Cell</i> , 2006, 5, 1688-1704.	3.4	26
129	Restoring DNA repair capacity of cells from three distinct diseases by XPD gene-recombinant adenovirus. <i>Cancer Gene Therapy</i> , 2005, 12, 389-396.	2.2	23
130	Transcriptional profiles of unirradiated or UV-irradiated human cells expressing either the cancer-prone XPB/CS allele or the noncancer-prone XPB/TTD allele. <i>Oncogene</i> , 2005, 24, 1359-1374.	2.6	34
131	Skin Cancer: Lights on Genome Lesions. <i>Current Biology</i> , 2005, 15, R58-R61.	1.8	24
132	Functional characterization of the thi1 promoter region from <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2005, 56, 1797-1804.	2.4	66
133	Non-Gamma-Proteobacteria Gene Islands Contribute to the <i>Xanthomonas</i> Genome. <i>OMICS A Journal of Integrative Biology</i> , 2005, 9, 160-172.	1.0	26
134	An SOS-regulated operon involved in damage-inducible mutagenesis in <i>Caulobacter crescentus</i> . <i>Nucleic Acids Research</i> , 2005, 33, 2603-2614.	6.5	100
135	Functional XPB/RAD25 redundancy in <i>Arabidopsis</i> genome: characterization of AtXPB2 and expression analysis. <i>Gene</i> , 2005, 344, 93-103.	1.0	29
136	Saci-1, -2, and -3 and Perere, Four Novel Retrotransposons with High Transcriptional Activities from the Human Parasite <i>Schistosoma mansoni</i> . <i>Journal of Virology</i> , 2004, 78, 2967-2978.	1.5	57
137	CPD-photolyase adenovirus-mediated gene transfer in normal and DNA-repair-deficient human cells. <i>Journal of Cell Science</i> , 2004, 117, 3579-3592.	1.2	17
138	Comparative Genomics of Two <i>Leptospira interrogans</i> Serovars Reveals Novel Insights into Physiology and Pathogenesis. <i>Journal of Bacteriology</i> , 2004, 186, 2164-2172.	1.0	406
139	The Genome Sequence of the Gram-Positive Sugarcane Pathogen <i>Leifsonia xyli</i> subsp. <i>xyli</i> . <i>Molecular Plant-Microbe Interactions</i> , 2004, 17, 827-836.	1.4	119
140	Evaluation of Monocot and Eudicot Divergence Using the Sugarcane Transcriptome. <i>Plant Physiology</i> , 2004, 134, 951-959.	2.3	38
141	Schistosome transcriptome: insights and perspectives for functional genomics. <i>Trends in Parasitology</i> , 2004, 20, 304-308.	1.5	47
142	Different patterns of evolution for duplicated DNA repair genes in bacteria of the Xanthomonadales group. <i>BMC Evolutionary Biology</i> , 2004, 4, 29.	3.2	31
143	Gene transduction in skin cells: Preventing cancer in xeroderma pigmentosum mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 17759-17764.	3.3	44
144	Transcriptome analysis of the acoelomate human parasite <i>Schistosoma mansoni</i> . <i>Nature Genetics</i> , 2003, 35, 148-157.	9.4	433

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145	Effect of cell confluence on ultraviolet light apoptotic responses in DNA repair deficient cells. <i>Mutation Research - Reviews in Mutation Research</i> , 2003, 544, 159-166.	2.4	26
146	The eukaryotic nucleotide excision repair pathway. <i>Biochimie</i> , 2003, 85, 1083-1099.	1.3	302
147	Analysis and Functional Annotation of an Expressed Sequence Tag Collection for Tropical Crop Sugarcane. <i>Genome Research</i> , 2003, 13, 2725-2735.	2.4	254
148	Differential usage of two in-frame translational start codons regulates subcellular localization of <i>Arabidopsis thaliana</i> TH11. <i>Journal of Cell Science</i> , 2003, 116, 285-291.	1.2	78
149	Point Mutation is Responsible for <i>Arabidopsis</i> tz-201 Mutant Phenotype Affecting Thiamin Biosynthesis. <i>Plant and Cell Physiology</i> , 2003, 44, 856-860.	1.5	32
150	Complementation of the DNA Repair Deficiency in Human Xeroderma Pigmentosum Group A and C Cells by Recombinant Adenovirus-Mediated Gene Transfer. <i>Human Gene Therapy</i> , 2002, 13, 1833-1844.	1.4	26
151	Low amounts of the DNA repair XPA protein are sufficient to recover UV-resistance. <i>Carcinogenesis</i> , 2002, 23, 1039-1046.	1.3	30
152	COMPARATIVE GENOMIC ANALYSIS OF PLANT-ASSOCIATED BACTERIA. <i>Annual Review of Phytopathology</i> , 2002, 40, 169-189.	3.5	171
153	Mutagenic fingerprint of ozone in human cells. <i>DNA Repair</i> , 2002, 1, 369-378.	1.3	16
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