

Douglas E Brash

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

8,696
citations

136950

32
h-index

133252

59
g-index

63
all docs

63
docs citations

63
times ranked

9046
citing authors

#	ARTICLE	IF	CITATIONS
1	Sunburn and p53 in the onset of skin cancer. <i>Nature</i> , 1994, 372, 773-776.	27.8	1,724
2	Exome sequencing identifies recurrent somatic RAC1 mutations in melanoma. <i>Nature Genetics</i> , 2012, 44, 1006-1014.	21.4	1,052
3	The role of the human homologue of <i>Drosophila</i> patched in sporadic basal cell carcinomas. <i>Nature Genetics</i> , 1996, 14, 78-81.	21.4	713
4	Sunlight and the onset of skin cancer. <i>Trends in Genetics</i> , 1997, 13, 410-414.	6.7	603
5	Chemical excitation of melanin derivatives induces DNA photoproducts long after UV exposure. <i>Science</i> , 2015, 347, 842-847.	12.6	421
6	UV-induced mutation hotspots occur at DNA damage hotspots. <i>Nature</i> , 1982, 298, 189-192.	27.8	395
7	Inactivating E2f1 reverts apoptosis resistance and cancer sensitivity in Trp53-deficient mice. <i>Nature Cell Biology</i> , 2003, 5, 655-660.	10.3	391
8	Knockdown of p53 levels in human keratinocytes accelerates Mcl-1 and Bcl-xL reduction thereby enhancing UV-light induced apoptosis. <i>Oncogene</i> , 2005, 24, 5299-5312.	5.9	357
9	UV Signature Mutations. <i>Photochemistry and Photobiology</i> , 2015, 91, 15-26.	2.5	309
10	Common Contaminants in Next-Generation Sequencing That Hinder Discovery of Low-Abundance Microbes. <i>PLoS ONE</i> , 2014, 9, e97876.	2.5	285
11	UV MUTAGENIC PHOTOPRODUCTS IN <i>Escherichia coli</i> AND HUMAN CELLS: A MOLECULAR GENETICS PERSPECTIVE ON HUMAN SKIN CANCER*. <i>Photochemistry and Photobiology</i> , 1988, 48, 59-66.	2.5	204
12	Keratinocyte Apoptosis in Epidermal Development and Disease. <i>Journal of Investigative Dermatology</i> , 2006, 126, 243-257.	0.7	189
13	Transgenic expression of survivin in keratinocytes counteracts UVB-induced apoptosis and cooperates with loss of p53. <i>Journal of Clinical Investigation</i> , 2001, 108, 991-999.	8.2	174
14	Melanin acts as a potent UVB photosensitizer to cause an atypical mode of cell death in murine skin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 15076-15081.	7.1	173
15	Ultraviolet Radiation Induced Signature Mutations in Photocarcinogenesis. <i>Journal of Investigative Dermatology Symposium Proceedings</i> , 1999, 4, 6-10.	0.8	157
16	A lupus-like syndrome develops in mice lacking the Ro 60-kDa protein, a major lupus autoantigen. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 7503-7508.	7.1	133
17	Human Telomeres Are Hypersensitive to UV-Induced DNA Damage and Refractory to Repair. <i>PLoS Genetics</i> , 2010, 6, e1000926.	3.5	107
18	Stochastic fate of p53 mutant epidermal progenitor cells is tilted toward proliferation by UV B during preneoplasia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 270-275.	7.1	106

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19	New careers for antioxidants. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 13969-13971.	7.1	98
20	Rapid repair kinetics of pyrimidine(6â€“4)pyrimidone photoproducts in human cells are due to excision rather than conformational change. Nucleic Acids Research, 1990, 18, 963-971.	14.5	94
21	Cellular proofreading. Nature Medicine, 1996, 2, 525-526.	30.7	85
22	UVB-induced apoptosis drives clonal expansion during skin tumor development. Carcinogenesis, 2004, 26, 249-257.	2.8	68
23	Genomic sites hypersensitive to ultraviolet radiation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24196-24205.	7.1	66
24	Induction of cyclin-dependent kinase inhibitors and G1 prolongation by the chemopreventive agent N-acetylcysteine. Carcinogenesis, 1999, 20, 1869-1872.	2.8	62
25	Regulation of TNFalpha production and release in human and mouse keratinocytes and mouse skin after UV-B irradiation. Photodermatology Photoimmunology and Photomedicine, 2000, 16, 263-270.	1.5	51
26	Progressive apoptosis resistance prior to senescence and control by the anti-apoptotic protein BCL-xL. Mechanisms of Ageing and Development, 2008, 129, 207-214.	4.6	45
27	Transformed and tumor-derived human cells exhibit preferential sensitivity to the thiol antioxidants, N-acetyl cysteine and penicillamine. Cancer Research, 2002, 62, 1443-9.	0.9	45
28	Fluorouracil Enhances Photodynamic Therapy of Squamous Cell Carcinoma via a p53-Independent Mechanism that Increases Protoporphyrin IX levels and Tumor Cell Death. Molecular Cancer Therapeutics, 2017, 16, 1092-1101.	4.1	42
29	A call for a better understanding of causation in cell biology. Nature Reviews Molecular Cell Biology, 2019, 20, 261-262.	37.0	41
30	The DNA Damage Signal for Mdm2 Regulation, Trp53 Induction, and Sunburn Cell Formation In Vivo Originates from Actively Transcribed Genes. Journal of Investigative Dermatology, 2001, 117, 1234-1240.	0.7	38
31	Antigen-specific immunity does not mediate acute regression of UVB-induced p53-mutant clones. Oncogene, 2003, 22, 6369-6376.	5.9	36
32	Preneoplastic lesion growth driven by the death of adjacent normal stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 15034-15039.	7.1	36
33	UV-induced Melanin Chemiexcitation. Toxicologic Pathology, 2016, 44, 552-554.	1.8	33
34	Intragenic Domains of Strand-specific Repair in Escherichia coli. Journal of Molecular Biology, 1995, 246, 264-272.	4.2	32
35	Colonization of adjacent stem cell compartments by mutant keratinocytes. Seminars in Cancer Biology, 2005, 15, 97-102.	9.6	31
36	Chemical excitation of electrons: A dark path to melanoma. DNA Repair, 2016, 44, 169-177.	2.8	30

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37	DNA repair assays as tests for environmental mutagens. <i>Mutation Research - Reviews in Genetic Toxicology</i> , 1982, 98, 287-318.	2.9	29
38	Determination of DNA superhelicity and extremely low levels of DNA strand breaks in low numbers of nonradiolabeled cells by DNA-4 ϵ ,6-diamidino-2-phenylindole fluorescence in nucleoid gradients. <i>Analytical Biochemistry</i> , 1982, 121, 339-348.	2.4	28
39	Bcl-2 is the target of a UV-inducible apoptosis switch and a node for UV signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 11286-11291.	7.1	27
40	Longevity-dependent organ-specific accumulation of DNA damage in two closely related murine species. <i>Mechanisms of Ageing and Development</i> , 1984, 27, 239-247.	4.6	21
41	Chemiexcitation and Its Implications for Disease. <i>Trends in Molecular Medicine</i> , 2018, 24, 527-541.	6.7	21
42	Preprocancer. <i>Science</i> , 2015, 348, 867-868.	12.6	17
43	Role of E2F1 in Apoptosis: A case Study in Feedback Loops. <i>Cell Cycle</i> , 2004, 3, 727-730.	2.6	16
44	Unanticipated role of melanin in causing carcinogenic cyclobutane pyrimidine dimers. <i>Molecular and Cellular Oncology</i> , 2016, 3, e1033588.	0.7	14
45	Slip versus Slop: A Head-to-Head Comparison of UV-Protective Clothing to Sunscreen. <i>Cancers</i> , 2022, 14, 542.	3.7	14
46	Triplet-Energy Quenching Functions of Antioxidant Molecules. <i>Antioxidants</i> , 2022, 11, 357.	5.1	13
47	Overview of human cells in genetic research: Altered phenotypes in human cells caused by transferred genes. <i>Somatic Cell and Molecular Genetics</i> , 1987, 13, 429-440.	0.7	10
48	Ultraviolet photoproducts at the ochre suppressor mutation site in the <i>gln U</i> gene of <i>Escherichia coli</i> : Relevance to "mutation frequency decline". <i>Molecular Genetics and Genomics</i> , 1989, 219, 359-364.	2.4	10
49	Frontiers in pigment cell and melanoma research. <i>Pigment Cell and Melanoma Research</i> , 2018, 31, 728-735.	3.3	10
50	Role of E2F1 in apoptosis: a case study in feedback loops. <i>Cell Cycle</i> , 2004, 3, 729-32.	2.6	8
51	Bruce Nathan Ames - Paradigm shifts inside the cancer research revolution. <i>Mutation Research - Reviews in Mutation Research</i> , 2021, 787, 108363.	5.5	7
52	Wrinkles waiting for GODOT. <i>Nature</i> , 1996, 379, 301-302.	27.8	5
53	Clonal growth of human melanocytes using cell-free extracellular matrix. <i>Pigment Cell and Melanoma Research</i> , 2013, 26, 925-927.	3.3	5
54	Photocopying Cancer Cells. <i>Journal of Investigative Dermatology</i> , 2003, 121, xiii-xiv.	0.7	3

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55	Rethinking Causation for Data-intensive Biology: Constraints, Cancellations, and Quantized Organisms. <i>BioEssays</i> , 2020, 42, e1900135.	2.5	3
56	Melanoma to Vitiligo: The Melanocyte in Biology & Medicine—Joint Montagna Symposium on the Biology of Skin/PanAmerican Society for Pigment Cell Research Annual Meeting. <i>Journal of Investigative Dermatology</i> , 2020, 140, 269-274.	0.7	2
57	Defective postreplication repair of UV photoproducts in melanoma: a mutator phenotype. <i>Molecular Oncology</i> , 2020, 14, 5-7.	4.6	1
58	Carcinogenesis: UV Radiation*. , 2010, , 567-578.		1
59	Carcinogenesis: UV Radiation. , 2017, , 887-902.		1
60	Accelerating cancer without mutations. <i>ELife</i> , 2019, 8, .	6.0	1
61	Target Organ Specificity: Diethylnitrosamine-and Dibenzyl nitrosamine-induced Single-strand Breaks Plus Alkali-labile Bonds. <i>Journal of the American College of Toxicology</i> , 1984, 3, 207-216.	0.2	0
62	Carcinogenesis: UV Radiation. , 2015, , 1-17.		0