H C Birnboim

List of Publications by Year
in descending order

55 papers	19,310 citations	218592 26 h-index	155592 55 g-index
55 all docs	55 docs citations	55 times ranked	6132 citing authors

#	Article	IF	Citations
1	Expression of thymidylate synthase in human cells is an early G1 event regulated by CDK4 and p16INK4A but not E2F. British Journal of Cancer, 2007, 97, 1242-1250.	2.9	23
2	Dose-Dependent Effects of Dietary Â- and Â-Tocopherols on Genetic Instability in Mouse Mutatect Tumors. Journal of the National Cancer Institute, 2004, 96, 796-800.	3.0	12
3	Constitutive expression of interleukin-8 by Mutatect cells markedly affects their tumor biology. Carcinogenesis, 2001, 22, 243-250.	1.3	7
4	Effect of Dietary Vitamin E on Spontaneous or Nitric Oxide Donor-Induced Mutations in a Mouse Tumor Model. Journal of the National Cancer Institute, 2000, 92, 1429-1433.	3.0	16
5	Neutrophils, Nitric Oxide Synthase, and Mutations in the Mutatect Murine Tumor Model. American Journal of Pathology, 2000, 156, 509-518.	1.9	81
6	Expression of Interleukin-8 Promotes Neutrophil Infiltration and Genetic Instability in Mutatect Tumors. Neoplasia, 2000, 2, 561-568.	2.3	73
7	Mutatect: a mouse tumour model for detecting radiation-induced mutations in vivo. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1999, 430, 275-280.	0.4	11
8	A Myeloperoxidase-Specific Assay Based upon Bromide-Dependent Chemiluminescence of Luminol. Analytical Biochemistry, 1999, 273, 126-132.	1.1	50
9	HPRT? mutant T cells in the peripheral blood and synovial tissue of patients with rheumatoid arthritis. Arthritis and Rheumatism, 1998, 41, 1772-1782.	6.7	32
10	Mutagenicity and cytotoxicity of reactive oxygen and nitrogen species in the MN-11 murine tumor cell line. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1997, 379, 241-252.	0.4	28
11	Levels of DNA strand breaks and superoxide in phorbol ester-treated human granulocytes. Journal of Cellular Biochemistry, 1997, 66, 219-228.	1.2	10
12	Hprt mutants in a transplantable murine tumour arise more frequently in vivo than in vitro. British Journal of Cancer, 1995, 72, 1234-1240.	2.9	30
13	Potentiation of retinoic acid-induced U-937 differentiation into respiratory burst-competent cells by nitric oxide donors. Leukemia Research, 1995, 19, 325-335.	0.4	16
14	8-Hydroxydeoxyguanosine in DNA from TPA-Stimulated Human Granulocytes. Free Radical Research, 1994, 20, 113-117.	1.5	5
15	Immunoselection of GRP94/endoplasmin from a KNRK cell-specific Î»GTLL library using antibodies directed against a putative heparanase amino-terminal peptide. International Journal of Cancer, 1994, 56, 286-294.	2.3	26
16	Recovery of a rare clone from a population of unstable retroviral vector-expressing mammalian cells using a new RNA extraction and slot-blot protocol. Journal of Virological Methods, 1994, 50, 245-255.	1.0	2
17	[16] Extraction of high molecular weight RNA and DNA from cultured mammalian cells. Methods in Enzymology, 1992, 216, 154-160.	0.4	29
18	Effect of lipophilic chelators on oxyradical-induced DNA strand breaks in human granulocytes: Paradoxical effect of 1,10-phenanthroline. Archives of Biochemistry and Biophysics, 1992, 294, 17-21.	1.4	11

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19	Inhibition by superoxide dismutase-mimetic copper complexes of phorbol ester-induced respiratory burst in human granulocytes. Biochemical Pharmacology, 1992, 43, 1061-1066.	2.0	3
20	[57] Fluorometric analysis of DNA unwinding to study strand breaks and repair in mammalian cells. Methods in Enzymology, 1990, 186, 550-555.	0.4	63
21	Indomethacin shifts the peak of c-fos, egr-1, and c-myc gene expression in confluent fibroblasts induced by phorbol myristate acetate. Biochemical and Biophysical Research Communications, 1989, 161, 508-513.	1.0	3
22	Superoxide Anion May Trigger DNA Strand Breaks in Human Granulocytes by Acting at a Membrane Target. Annals of the New York Academy of Sciences, 1988, 551, 83-93.	1.8	14
23	A superoxide anion induced DNA strand-break metabolic pathway in human leukocytes: effects of vanadate. Biochemistry and Cell Biology, 1988, 66, 374-381.	0.9	26
24	Simultaneous protective and damaging effects of cysteamine on intracellular DNA of leukocytes. Free Radical Biology and Medicine, 1988, 4, 141-145.	1.3	21
25	Rapid extraction of high molecular weight RNA from cultured cells and granulocytes for Northern analysis. Nucleic Acids Research, 1988, 16, 1487-1497.	6.5	115
26	DNA strand breaks in human leukocytes induced by superoxide anion, hydrogen peroxide and tumor promoters are repaired slowly compared to breaks induced by ionizing radiation. Carcinogenesis, 1986, 7, 1511-1517.	1.3	119
27	The production of DNA strand breaks in human leukocytes by superoxide anion may involve a metabolic process.. Proceedings of the National Academy of Sciences of the United States of America, 1985, 82, 6820-6824.	3.3	105
28	DNA clastogenic activity of diethylstilbestrol. Biochemical Pharmacology, 1985, 34, 3251-3257.	2.0	6
29	Nucleotide sequence of polypyrimidines from cloned mouse DNA as determined by base-specific blockage of exonuclease action. Analytical Biochemistry, 1983, 129, 88-97.	1.1	8
30	Rapid Rejoining of DNA Strand Breaks in Resting Human Lymphocytes after Irradiation by Low Doses of 60 Co g Rays or 14.6-MeV Neutrons. Radiation Research, 1983, 94, 499.	0.7	63
31	[17] A rapid alkaline extraction method for the isolation of plasmid DNA. Methods in Enzymology, 1983, 100, 243-255.	0.4	890
32	Rapid rejoining of DNA strand breaks in resting human lymphocytes after irradiation by low doses of 60Co gamma rays or 14.6-MeV neutrons. Radiation Research, 1983, 94, 499-507.	0.7	13
33	DNA strand breakage in human leukocytes exposed to a tumor promoter, phorbol myristate acetate. Science, 1982, 215, 1247-1249.	6.0	259
34	Factors which affect DNA strand breakage in human leukocytes exposed to a tumor promoter, phorbol myristate acetate. Canadian Journal of Physiology and Pharmacology, 1982, 60, 1359-1366.	0.7	46
35	A procedure for the large-scale isolation of highly purified plasmid DNA using alkaline extraction and binding to glass powder. Analytical Biochemistry, 1982, 121, 382-387.	1.1	252
36	Failure of Phorbol Myristate Acetate to Damage DNA in Leukocytes from Patients with Chronic Granulomatous Disease. Infection and Immunity, 1982, 38, 1299-1300.	1.0	11

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37	Fluorometric method for rapid detection of DNA strand breaks in human white blood cells produced by low doses of radiation. Cancer Research, 1981, 41, 1889-92.	0.4	357
38	Distribution of Polypyrimidine . Polypurine Segments in DNA from Diverse Organisms. FEBS Journal, 1979, 98, 301-307.	0.2	65
39	A rapid alkaline extraction procedure for screening recombinant plasmid DNA. Nucleic Acids Research, 1979, 7, 1513-1523.	6.5	15,424
40	Spacing of polypyrimidine regions in mouse DNA as determined by poly(adenylate, guanylate) binding. Journal of Molecular Biology, 1978, 121, 541-559.	2.0	30
41	Prevention of G:C pairing in mouse DNA by complete blocking of guanine residues with glyoxal. Availability of cytosine, adenine and thymine for hydrogen bonding with added unmodified polynucleotides. Nucleic Acids and Protein Synthesis, 1978, 517, 296-307.	1.7	7
42	Random Phasing of Polypyrimidine/Polypurine Segments and Nucleosome Monomers in Chromatin from Mouse L Cells. Cold Spring Harbor Symposia on Quantitative Biology, 1978, 42, 1161-1165.	2.0	5
43	The use of Girard-T reagent in a rapid and sensitive method for measuring glyoxal and certain other Î±-dicarbonyl compounds. Analytical Biochemistry, 1977, 81, 47-56.	1.1	63
44	Polypyrimidine sequences found in eukaryotic DNA have been conserved during evolution. Nucleic Acids and Protein Synthesis, 1976, 454, 419-428.	1.7	13
45	Polypyrimidine segments in drosophila melanogaster DNA: I. Detection of a cryptic satellite containing polypyrimidine/polypurine DNA. Cell, 1975, 5, 173-181.	13.5	25
46	DNA from Eukaryotic Cells Contains Unusually Long Pyrimidine Sequences. Canadian Journal of Biochemistry, 1975, 53, 640-643.	1.4	17
47	Long Pyrimidine Tracts of L-Cell DNA: Localization to Repeated DNA. Proceedings of the National Academy of Sciences of the United States of America, 1974, 71, 2992-2995.	3.3	19
48	Analysis of Long Pyrimidine Polynucleotides in HeLa Cell Nuclear DNA: Absence of Polydeoxythymidylate. Proceedings of the National Academy of Sciences of the United States of America, 1973, 70, 2189-2192.	3.3	30
49	Optimal conditions for counting of precipitated 3H-RNA on glass-fiber filters. Analytical Biochemistry, 1970, 37, 178-182.	1.1	43
50	Semiautomatic fractionation of dilute polyacrylamide gels. Analytical Biochemistry, 1969, 29, 498-504.	1.1	21
51	Fractionation of oligonucleotide isopliths by electrophoresis on polyacrylamide gels. Journal of Chromatography A, 1969, 44, 581-593.	1.8	13
52	Fragment analysis. Comparing nucleotide sequences in ribonucleic acid molecules. Biochemistry, 1969, 8, 263-269.	1.2	4
53	Studies on HeLa cell nuclear DNA-like RNA by RNA-DNA hybridization.. Proceedings of the National Academy of Sciences of the United States of America, 1967, 58, 320-327.	3.3	40
54	Rapidly labeled HeLa cell nuclear RNA. Journal of Molecular Biology, 1966, 19, 362-372.	2.0	216

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55	Rapidly labeled HeLa cell nuclear RNA. Journal of Molecular Biology, 1966, 19, 349-361.	2.0	439