

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

55 papers	16,562 citations	24 h-index	55 g-index
55 ext. papers	16,797 ext. citations	7.2 avg, IF	6.34 L-index

#	Paper	IF	Citations
55	A rapid alkaline extraction procedure for screening recombinant plasmid DNA. <i>Nucleic Acids Research</i> , 1979 , 7, 1513-23	20.1	13217
54	A rapid alkaline extraction method for the isolation of plasmid DNA. <i>Methods in Enzymology</i> , 1983 , 100, 243-55	1.7	750
53	Fluorometric method for rapid detection of DNA strand breaks in human white blood cells produced by low doses of radiation. <i>Cancer Research</i> , 1981 , 41, 1889-92	10.1	342
52	Rapidly labeled HeLa cell nuclear RNA. I. Identification by zone sedimentation of a heterogeneous fraction separate from ribosomal precursor RNA. <i>Journal of Molecular Biology</i> , 1966 , 19, 349-61	6.5	315
51	DNA strand breakage in human leukocytes exposed to a tumor promoter, phorbol myristate acetate. <i>Science</i> , 1982 , 215, 1247-9	33.3	245
50	A procedure for the large-scale isolation of highly purified plasmid DNA using alkaline extraction and binding to glass powder. <i>Analytical Biochemistry</i> , 1982 , 121, 382-7	3.1	219
49	Rapidly labeled HeLa cell nuclear RNA. II. Base composition and cellular localization of a heterogeneous RNA fraction. <i>Journal of Molecular Biology</i> , 1966 , 19, 362-72	6.5	202
48	Rapid extraction of high molecular weight RNA from cultured cells and granulocytes for Northern analysis. <i>Nucleic Acids Research</i> , 1988 , 16, 1487-97	20.1	106
47	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. <i>Carcinogenesis</i> , 1986 , 7, 1511-7	4.6	104
46	The production of DNA strand breaks in human leukocytes by superoxide anion may involve a metabolic process. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1985 , 82, 6820-4	11.5	91
45	Neutrophils, nitric oxide synthase, and mutations in the mutatest murine tumor model. <i>American Journal of Pathology</i> , 2000 , 156, 509-18	5.8	66
44	Distribution of polypyrimidine . polypurine segments in DNA from diverse organisms. <i>FEBS Journal</i> , 1979 , 98, 301-7		60
43	Expression of interleukin-8 promotes neutrophil infiltration and genetic instability in mutatest tumors. <i>Neoplasia</i> , 2000 , 2, 561-8	6.4	59
42	Fluorometric analysis of DNA unwinding to study strand breaks and repair in mammalian cells. <i>Methods in Enzymology</i> , 1990 , 186, 550-5	1.7	57
41	The use of Girard-T reagent in a rapid and sensitive methods for measuring glyoxal and certain other alpha-dicarbonyl compounds. <i>Analytical Biochemistry</i> , 1977 , 81, 47-56	3.1	57
40	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. <i>Radiation Research</i> , 1983 , 94, 499	3.1	49
39	A myeloperoxidase-specific assay based upon bromide-dependent chemiluminescence of luminol. <i>Analytical Biochemistry</i> , 1999 , 273, 126-32	3.1	46

38	Factors which affect DNA strand breakage in human leukocytes exposed to a tumor promoter, phorbol myristate acetate. <i>Canadian Journal of Physiology and Pharmacology</i> , 1982 , 60, 1359-66	2.4	39
37	Studies on HeLa cell nuclear DNA-like RNA by RNA-DNA hybridization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1967 , 58, 320-7	11.5	33
36	Optimal conditions for counting of precipitated 3H-RNA on glass-fiber filters. <i>Analytical Biochemistry</i> , 1970 , 37, 178-82	3.1	31
35	HPRT- mutant T cells in the peripheral blood and synovial tissue of patients with rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 1998 , 41, 1772-82		28
34	Hprt mutants in a transplantable murine tumour arise more frequently in vivo than in vitro. <i>British Journal of Cancer</i> , 1995 , 72, 1234-40	8.7	28
33	Spacing of polypyrimidine regions in mouse DNA as determined by poly(adenylate, guanylate) binding. <i>Journal of Molecular Biology</i> , 1978 , 121, 541-59	6.5	28
32	Analysis of long pyrimidine polynucleotides in HeLa cell nuclear DNA: absence of polydeoxythymidylate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1973 , 70, 2189-92	11.5	26
31	Mutagenicity and cytotoxicity of reactive oxygen and nitrogen species in the MN-11 murine tumor cell line. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1997 , 379, 241-52	3.3	24
30	Extraction of high molecular weight RNA and DNA from cultured mammalian cells. <i>Methods in Enzymology</i> , 1992 , 216, 154-60	1.7	23
29	Polypyrimidine segments in <i>Drosophila melanogaster</i> DNA: I. Detection of a cryptic satellite containing polypyrimidine/polypurine DNA. <i>Cell</i> , 1975 , 5, 173-81	56.2	23
28	Immunoselection of GRP94/endoplasmic reticulum protein from a KNRK cell-specific lambda gt11 library using antibodies directed against a putative heparanase amino-terminal peptide. <i>International Journal of Cancer</i> , 1994 , 56, 286-94	7.5	22
27	A superoxide anion induced DNA strand-break metabolic pathway in human leukocytes: effects of vanadate. <i>Biochemistry and Cell Biology</i> , 1988 , 66, 374-81	3.6	22
26	Expression of thymidylate synthase in human cells is an early G(1) event regulated by CDK4 and p16INK4A but not E2F. <i>British Journal of Cancer</i> , 2007 , 97, 1242-50	8.7	21
25	Simultaneous protective and damaging effects of cysteamine on intracellular DNA of leukocytes. <i>Free Radical Biology and Medicine</i> , 1988 , 4, 141-5	7.8	20
24	DNA from eukaryotic cells contains unusually long pyrimidine sequences. <i>Canadian Journal of Biochemistry</i> , 1975 , 53, 640-3		17
23	Potentiation of retinoic acid-induced U-937 differentiation into respiratory burst-competent cells by nitric oxide donors. <i>Leukemia Research</i> , 1995 , 19, 325-35	2.7	15
22	Long pyrimidine tracts of L-cell DNA: localization to repeated DNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1974 , 71, 2992-5	11.5	15
21	Semiautomatic fractionation of dilute polyacrylamide gels. <i>Analytical Biochemistry</i> , 1969 , 29, 498-504	3.1	15

20	Effect of dietary vitamin E on spontaneous or nitric oxide donor-induced mutations in a mouse tumor model. <i>Journal of the National Cancer Institute</i> , 2000 , 92, 1429-33	9.7	14
19	Superoxide anion may trigger DNA strand breaks in human granulocytes by acting at a membrane target. <i>Annals of the New York Academy of Sciences</i> , 1988 , 551, 83-93; discussion 93-4	6.5	12
18	Polypyrimidine sequences found in eukaryotic DNA have been conserved during evolution. <i>Nucleic Acids and Protein Synthesis</i> , 1976 , 454, 419-28		12
17	Rapid rejoining of DNA strand breaks in resting human lymphocytes after irradiation by low doses of ⁶⁰ Co gamma rays or 14.6-MeV neutrons. <i>Radiation Research</i> , 1983 , 94, 499-507	3.1	12
16	Dose-dependent effects of dietary alpha- and gamma-tocopherols on genetic instability in mouse Mutatect tumors. <i>Journal of the National Cancer Institute</i> , 2004 , 96, 796-800	9.7	11
15	Mutatect: a mouse tumour model for detecting radiation-induced mutations in vivo. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1999 , 430, 275-80	3.3	10
14	Effect of lipophilic chelators on oxyradical-induced DNA strand breaks in human granulocytes: paradoxical effect of 1,10-phenanthroline. <i>Archives of Biochemistry and Biophysics</i> , 1992 , 294, 17-21	4.1	10
13	Failure of phorbol myristate acetate to damage DNA in leukocytes from patients with chronic granulomatous disease. <i>Infection and Immunity</i> , 1982 , 38, 1299-300	3.7	9
12	Levels of DNA strand breaks and superoxide in phorbol ester-treated human granulocytes. <i>Journal of Cellular Biochemistry</i> , 1997 , 66, 219-28	4.7	8
11	Nucleotide sequence of polypyrimidines from cloned mouse DNA as determined by base-specific blockage of exonuclease action. <i>Analytical Biochemistry</i> , 1983 , 129, 88-97	3.1	8
10	Constitutive expression of interleukin-8 by Mutatect cells markedly affects their tumor biology. <i>Carcinogenesis</i> , 2001 , 22, 243-50	4.6	7
9	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. <i>Nucleic Acids and Protein Synthesis</i> , 1978 , 517, 296-307		6
8	DNA clastogenic activity of diethylstilbestrol. <i>Biochemical Pharmacology</i> , 1985 , 34, 3251-7	6	5
7	8-Hydroxydeoxyguanosine in DNA from TPA-stimulated human granulocytes. <i>Free Radical Research</i> , 1994 , 20, 113-7	4	4
6	Selected fragment analysis. A method for comparing nucleotide sequences in ribonucleic acid molecules. <i>Biochemistry</i> , 1969 , 8, 263-9	3.2	4
5	Random phasing of polypyrimidine/polypurine segments and nucleosome monomers in chromatin from mouse L cells. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 1978 , 42 Pt 2, 1161-5	3.9	4
4	Inhibition by superoxide dismutase-mimetic copper complexes of phorbol ester-induced respiratory burst in human granulocytes. <i>Biochemical Pharmacology</i> , 1992 , 43, 1061-6	6	3
3	Indomethacin shifts the peak of c-fos, egr-1, and c-myc gene expression in confluent fibroblasts induced by phorbol myristate acetate. <i>Biochemical and Biophysical Research Communications</i> , 1989 , 161, 508-13	3.4	3

2	Fractionation of oligonucleotide isoplihts by electrophoresis on polyacrylamide gels. <i>Journal of Chromatography A</i> , 1969 , 44, 581-93	4.5	3
1	Recovery of a rare clone from a population of unstable retroviral vector-expressing mammalian cells using a new RNA extraction and slot-blot protocol. <i>Journal of Virological Methods</i> , 1994 , 50, 245-55 ^{2.6}		2