

Gilbert Chu

List of Publications by Year in descending order

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46
papers

7,244
citations

185998

28
h-index

233125

45
g-index

46
all docs

46
docs citations

46
times ranked

8074
citing authors

#	ARTICLE	IF	CITATIONS
1	Diagnosis of multiple cancer types by shrunken centroids of gene expression. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 6567-6572.	3.3	2,632
2	Electroporation for the efficient transfection of mammalian cells with DNA. Nucleic Acids Research, 1987, 15, 1311-1326.	6.5	909
3	UV-Induced Ubiquitylation of XPC Protein Mediated by UV-DDB-Ubiquitin Ligase Complex. Cell, 2005, 121, 387-400.	13.5	517
4	Xeroderma Pigmentosum p48 Gene Enhances Global Genomic Repair and Suppresses UV-Induced Mutagenesis. Molecular Cell, 2000, 5, 737-744.	4.5	312
5	Synapsis of DNA ends by DNA-dependent protein kinase. EMBO Journal, 2002, 21, 3192-3200.	3.5	286
6	Double Strand Break Repair. Journal of Biological Chemistry, 1997, 272, 24097-24100.	1.6	222
7	Xeroderma pigmentosum complementation group E and UV-damaged DNA-binding protein. DNA Repair, 2002, 1, 601-616.	1.3	177
8	SV40 DNA transfection of cells in suspension: analysis of the efficiency of transcription and translation of T-antigen. Gene, 1981, 13, 197-202.	1.0	173
9	Cernunnos/XLF promotes the ligation of mismatched and noncohesive DNA ends. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 7851-7856.	3.3	159
10	p48 Activates a UV-Damaged-DNA Binding Factor and Is Defective in Xeroderma Pigmentosum Group E Cells That Lack Binding Activity. Molecular and Cellular Biology, 1998, 18, 4391-4399.	1.1	149
11	p53 Binds and Activates the Xeroderma Pigmentosum DDB2 Gene in Humans but Not Mice. Molecular and Cellular Biology, 2002, 22, 3247-3254.	1.1	146
12	Portrait of transcriptional responses to ultraviolet and ionizing radiation in human cells. Nucleic Acids Research, 2004, 32, 4786-4803.	6.5	134
13	Crystal Structure of Human XLF: A Twist in Nonhomologous DNA End-Joining. Molecular Cell, 2007, 28, 1093-1101.	4.5	124
14	Processing of DNA for nonhomologous end-joining by cell-free extract. EMBO Journal, 2005, 24, 849-860.	3.5	118
15	Toxicity from radiation therapy associated with abnormal transcriptional responses to DNA damage. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 6635-6640.	3.3	114
16	Contributions of ATM mutations to familial breast and ovarian cancer. Cancer Research, 2003, 63, 3325-33.	0.4	113
17	Global Analysis of ATM Polymorphism Reveals Significant Functional Constraint. American Journal of Human Genetics, 2001, 69, 396-412.	2.6	93
18	A gene chimaera of SV40 and mouse β -globin is transcribed and properly spliced. Nature, 1981, 289, 378-382.	13.7	92

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19	Activation of DNA-dependent Protein Kinase by Single-stranded DNA Ends. <i>Journal of Biological Chemistry</i> , 2000, 275, 1541-1550.	1.6	85
20	Massive cisplatin overdose by accidental substitution for carboplatin. Toxicity and management. <i>Cancer</i> , 1993, 72, 3707-3714.	2.0	81
21	Xeroderma pigmentosum, Cockayne syndrome and trichothiodystrophy: do the genes explain the diseases?. <i>Trends in Genetics</i> , 1996, 12, 187-192.	2.9	73
22	The end-joining reaction in V(D)J recombination. <i>Seminars in Immunology</i> , 1997, 9, 189-197.	2.7	65
23	An Information Theoretic, Microfluidic-Based Single Cell Analysis Permits Identification of Subpopulations among Putatively Homogeneous Stem Cells. <i>PLoS ONE</i> , 2011, 6, e21211.	1.1	61
24	Pulsed field electrophoresis in contour-clamped homogeneous electric fields for the resolution of DNA by size or topology. <i>Electrophoresis</i> , 1989, 10, 290-295.	1.3	50
25	Isolation of a cDNA encoding a UV-damaged DNA binding factor defective in xeroderma pigmentosum group E cells. <i>Mutation Research DNA Repair</i> , 1996, 362, 105-117.	3.8	47
26	Processing of DNA for Nonhomologous End-joining Is Controlled by Kinase Activity and XRCC4/Ligase IV. <i>Journal of Biological Chemistry</i> , 2007, 282, 11950-11959.	1.6	45
27	Rapid assay for detection of <i>Escherichia coli</i> xanthine-guanine phosphoribosyltransferase activity in transduced cells. <i>Nucleic Acids Research</i> , 1985, 13, 2921-2930.	6.5	39
28	Failure of Hairpin-Ended and Nicked DNA To Activate DNA-Dependent Protein Kinase: Implications for V(D)J Recombination. <i>Molecular and Cellular Biology</i> , 1998, 18, 6853-6858.	1.1	31
29	Economics of alternative dosing strategies for pembrolizumab and nivolumab at a single academic cancer center. <i>Cancer Medicine</i> , 2020, 9, 2106-2112.	1.3	28
30	Interaction between UV-damaged DNA Binding Activity Proteins and the c-Abl Tyrosine Kinase. <i>Journal of Biological Chemistry</i> , 2002, 277, 34870-34878.	1.6	27
31	Probing parton distribution functions in massive lepton-pair production. <i>Physical Review D</i> , 1974, 10, 3672-3684.	1.6	21
32	Separation of large DNA by a variable-angle contour-clamped homogeneous electric field apparatus. <i>Analytical Biochemistry</i> , 1991, 194, 439-446.	1.1	14
33	Here Comes the Sun: Recognition of UV-Damaged DNA. <i>Cell</i> , 2008, 135, 1172-1174.	13.5	13
34	Point-of-Care Analysis of Blood Ammonia with a Gas-Phase Sensor. <i>ACS Sensors</i> , 2020, 5, 2415-2421.	4.0	13
35	Cooperative Assembly of a Protein-DNA Filament for Nonhomologous End Joining. <i>Journal of Biological Chemistry</i> , 2013, 288, 18110-18120.	1.6	12
36	Local false discovery rate facilitates comparison of different microarray experiments. <i>Nucleic Acids Research</i> , 2009, 37, 7483-7497.	6.5	11

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37	Mutation of the ATM Gene is Not Involved in the Pathogenesis of Either Follicle Center Lymphoma or its Transformation to Higher-grade Lymphoma. <i>Leukemia and Lymphoma</i> , 2002, 43, 1079-1085.	0.6	9
38	Assays for Nonhomologous End Joining in Extracts. <i>Methods in Enzymology</i> , 2006, 408, 430-444.	0.4	9
39	Trichloroacetic Acid Precipitation by Ultracentrifugation to Concentrate Dilute Protein in Viscous Solution. <i>BioTechniques</i> , 1996, 20, 982-984.	0.8	8
40	Hyperammonemia after capecitabine associated with occult impairment of the urea cycle. <i>Cancer Medicine</i> , 2019, 8, 1996-2004.	1.3	8
41	Phenomenological Six-Pion Amplitude. <i>Physical Review D</i> , 1973, 7, 56-63.	1.6	7
42	Immune signatures in follicular lymphoma. <i>New England Journal of Medicine</i> , 2005, 352, 1496-7; author reply 1496-7.	13.9	6
43	Production of heavy leptons in proton-proton collisions and the parton model. <i>Physical Review D</i> , 1975, 11, 73-80.	1.6	5
44	Multiperipheral model of direct muon production. <i>Physical Review D</i> , 1975, 11, 3134-3144.	1.6	4
45	Global Genomic Repair and p53 in a Dance after DNA Damage. <i>Cancer Biology and Therapy</i> , 2002, 1, 150-151.	1.5	2
46	Dual Model and Prism Plot Applied to $\pi^+\pi^0$. <i>Physical Review D</i> , 1973, 8, 2887-2898.	1.6	0