William Dynan

List of Publications by Year in descending order

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	34105	24258
12,819	52	110
citations	h-index	g-index
137	137	8368
docs citations	times ranked	citing authors
	citations 137	12,819 52 citations h-index 137 137

#	Article	IF	CITATIONS
1	The promoter-specific transcription factor Sp1 binds to upstream sequences in the SV40 early promoter. Cell, 1983, 35, 79-87.	28.9	1,558
2	Control of eukaryotic messenger RNA synthesis by sequence-specific DNA-binding proteins. Nature, 1985, 316, 774-778.	27.8	1,353
3	Isolation of transcription factors that discriminate between different promoters recognized by RNA polymerase II. Cell, 1983, 32, 669-680.	28.9	809
4	Multiple specific contacts between a mammalian transcription factor and its cognate promoters. Nature, 1984, 312, 409-413.	27.8	570
5	Promoters for housekeeping genes. Trends in Genetics, 1986, 2, 196-197.	6.7	448
6	Editorial: NAR Surveys the Past, Present and Future of Restriction Endonucleases. Nucleic Acids Research, 2014, 42, 1-2.	14.5	420
7	Modularity in promoters and enhancers. Cell, 1989, 58, 1-4.	28.9	408
8	Ku autoantigen is the regulatory component of a template-associated protein kinase that phosphorylates RNA polymerase II Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 11920-11924.	7.1	364
9	Interaction of Ku protein and DNA-dependent protein kinase catalytic subunit with nucleic acids. Nucleic Acids Research, 1998, 26, 1551-1559.	14.5	325
10	Transcription factor Sp1 recognizes a DNA sequence in the mouse dihydrofolate reductase promoter. Nature, 1986, 319, 246-248.	27.8	282
11	Incidence of BK Virus and JC Virus Viruria in Human Immunodeficiency Virus-Infected and -Uninfected Subjects. Journal of Infectious Diseases, 1993, 167, 13-20.	4.0	282
12	Loss of the catalytic subunit of the DNA-dependent protein kinase in DNA double-strand-break-repair mutant mammalian cells Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 3171-3174.	7.1	281
13	Measurement of the binding of transcription factor Sp1 to a single GC box recognition sequence. Nucleic Acids Research, 1989, 17, 2639-2653.	14.5	244
14	Models for Evaluating Agents Intended for the Prophylaxis, Mitigation and Treatment of Radiation Injuries Report of an NCI Workshop, December 3–4, 2003. Radiation Research, 2004, 162, 711-728.	1.5	230
15	Geometry of a complex formed by double strand break repair proteins at a single DNA end: recruitment of DNA-PKcs induces inward translocation of Ku protein. Nucleic Acids Research, 1999, 27, 4679-4686.	14.5	184
16	Transactivation by the human T-cell leukemia virus Tax protein is mediated through enhanced binding of activating transcription factor-2 (ATF-2) ATF-2 response and cAMP element-binding protein (CREB). Journal of Biological Chemistry, 1993, 268, 21225-31.	3.4	150
17	SAMHD1 Promotes DNA End Resection to Facilitate DNA Repair by Homologous Recombination. Cell Reports, 2017, 20, 1921-1935.	6.4	147
18	Binding of host-cell factors to DNA sequences in the long terminal repeat of human T-cell leukemia virus type I: implications for viral gene expression Proceedings of the National Academy of Sciences of the United States of America, 1988, 85, 1457-1461.	7.1	142

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19	Purification and characterization of a template-associated protein kinase that phosphorylates RNA polymerase II. Journal of Biological Chemistry, 1993, 268, 10440-7.	3.4	140
20	DNA binding provides a signal for phosphorylation of the RNA polymerase II heptapeptide repeats Genes and Development, 1992, 6, 426-438.	5.9	139
21	BK virus and JC virus shed during pregnancy have predominantly archetypal regulatory regions. Journal of Virology, 1991, 65, 4515-4519.	3.4	136
22	Simian virus 40 major late promoter: a novel tripartite structure that includes intragenic sequences Molecular and Cellular Biology, 1988, 8, 2021-2033.	2.3	128
23	Reconstitution of the mammalian DNA double-strand break end-joining reaction reveals a requirement for an Mre11/Rad50/NBS1-containing fraction. Nucleic Acids Research, 2002, 30, 667-674.	14.5	122
24	Galactic cosmic ray simulation at the NASA Space Radiation Laboratory. Life Sciences in Space Research, 2016, 8, 38-51.	2.3	112
25	Identification of the Polypyrimidine Tract Binding Protein-associated Splicing Factor·p54(nrb) Complex as a Candidate DNA Double-strand Break Rejoining Factor. Journal of Biological Chemistry, 2005, 280, 5205-5210.	3.4	101
26	Binding of cellular proteins to the regulatory region of BK virus DNA. Journal of Virology, 1988, 62, 3388-3398.	3.4	100
27	Understanding Cancer Development Processes after HZE-Particle Exposure: Roles of ROS, DNA Damage Repair and Inflammation. Radiation Research, 2015, 183, 1-26.	1.5	95
28	Simian Virus 40 Major Late Promoter: a Novel Tripartite Structure That Includes Intragenic Sequences. Molecular and Cellular Biology, 1988, 8, 2021-2033.	2.3	84
29	Transcription factor Sp1 recognizes promoter sequences from the monkey genome that are simian virus 40 promoter Proceedings of the National Academy of Sciences of the United States of America, 1985, 82, 4915-4919.	7.1	83
30	Analysis of the phosphorylation of human heat shock transcription factor-1 by MAP kinase family members. , 1997, 67, 43-54.		82
31	Ku proteins join DNA fragments as shown by atomic force microscopy. Cancer Research, 1997, 57, 1412-5.	0.9	80
32	Saturation labeling with cysteine-reactive cyanine fluorescent dyes provides increased sensitivity for protein expression profiling of laser-microdissected clinical specimens. Proteomics, 2005, 5, 1746-1757.	2.2	79
33	DNA damage response and Ku80 function in the vertebrate embryo. Nucleic Acids Research, 2005, 33, 3002-3010.	14.5	79
34	Association of the Actin-Binding Protein Transgelin with Lymph Node Metastasis in Human Colorectal Cancer. Neoplasia, 2009, 11, 864-IN5.	5.3	79
35	Photocross-linking of an Oriented DNA Repair Complex. Journal of Biological Chemistry, 1999, 274, 20034-20039.	3.4	78
36	Involvement of p54(nrb), a PSF partner protein, in DNA double-strand break repair and radioresistance. Nucleic Acids Research, 2009, 37, 6746-6753.	14.5	77

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37	Quantitative studies of the effect of HTLV-I Tax protein on CREB protein - DNA binding. Nucleic Acids Research, 1994, 22, 3194-3201.	14.5	75
38	Characterization of molecular markers indicative of cervical cancer progression. Proteomics - Clinical Applications, 2009, 3, 516-527.	1.6	75
39	DNA Ligase IV and XRCC4 Form a Stable Mixed Tetramer That Functions Synergistically with Other Repair Factors in a Cell-free End-joining System. Journal of Biological Chemistry, 2000, 275, 34787-34796.	3.4	73
40	Promoter-dependent Transcription by RNA Polymerase II Using Immobilized Enzyme Complexes. Journal of Biological Chemistry, 1989, 264, 3223-3229.	3.4	68
41	Stimulation of the DNA-dependent Protein Kinase by RNA Polymerase II Transcriptional Activator Proteins. Journal of Biological Chemistry, 1995, 270, 1449-1454.	3.4	64
42	SFPQ•NONO and XLF function separately and together to promote DNA double-strand break repair via canonical nonhomologous end joining. Nucleic Acids Research, 2017, 45, 1848-1859.	14.5	63
43	Promoter-dependent phosphorylation of RNA polymerase II by a template-bound kinase. Association with transcriptional initiation. Journal of Biological Chemistry, 1991, 266, 8055-61.	3.4	62
44	Specific Regions of Contact between Human T-cell Leukemia Virus Type I Tax Protein and DNA Identified by Photocross-linking. Journal of Biological Chemistry, 1998, 273, 13768-13775.	3.4	61
45	Identification of DNA-PKcs phosphorylation sites in XRCC4 and effects of mutations at these sites on DNA end joining in a cell-free system. DNA Repair, 2004, 3, 267-276.	2.8	61
46	Promoter-dependent transcription by RNA polymerase II using immobilized enzyme complexes. Journal of Biological Chemistry, 1989, 264, 3223-9.	3.4	61
47	Characterization of the RNA Binding Properties of Ku Proteinâ€. Biochemistry, 1998, 37, 1336-1343.	2.5	60
48	Subnuclear Localization of Ku Protein: Functional Association with RNA Polymerase II Elongation Sites. Molecular and Cellular Biology, 2002, 22, 8088-8099.	2.3	60
49	Understanding the molecular mechanism by which methylation influences gene expression. Trends in Genetics, 1989, 5, 35-36.	6.7	58
50	Interaction of cellular proteins with the human T-cell leukemia virus type I transcriptional control region. Purification of cellular proteins that bind the 21-base pair repeat elements. Journal of Biological Chemistry, 1990, 265, 8230-6.	3.4	58
51	In vitro activation of transcription by the human T-cell leukemia virus type I Tax protein Molecular and Cellular Biology, 1992, 12, 1986-1996.	2.3	57
52	Interaction of cellular proteins with the human T-cell leukemia virus type I transcriptional control region. Purification of cellular proteins that bind the 21-base pair repeat elements Journal of Biological Chemistry, 1990, 265, 8230-8236.	3.4	57
53	Distinct Pathways of Nonhomologous End Joining That Are Differentially Regulated by DNA-dependent Protein Kinase-mediated Phosphorylation. Journal of Biological Chemistry, 2003, 278, 41631-41635.	3.4	54
54	ATRIP Deacetylation by SIRT2 Drives ATR Checkpoint Activation by Promoting Binding to RPA-ssDNA. Cell Reports, 2016, 14, 1435-1447.	6.4	54

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55	Interaction of host cell proteins with the human T-cell leukemia virus type I transcriptional control region. II. A comprehensive map of protein-binding sites facilitates construction of a simple chimeric promoter responsive to the viral tax2 gene product. Journal of Biological Chemistry, 1990, 265, 8237-42.	3.4	54
56	Porous-wall hollow glass microspheres as novel potential nanocarriers for biomedical applications. Nanomedicine: Nanotechnology, Biology, and Medicine, 2010, 6, 127-136.	3.3	52
57	Sequences in PSF/SFPQ mediate radioresistance and recruitment of PSF/SFPQ-containing complexes to DNA damage sites in human cells. DNA Repair, 2011, 10, 252-259.	2.8	52
58	Human papillomavirusâ€active head and neck cancer and ethnic health disparities. Laryngoscope, 2010, 120, 1531-1537.	2.0	50
59	Double-strand break repair deficiency in NONO knockout murine embryonic fibroblasts and compensation by spontaneous upregulation of the PSPC1 paralog. Nucleic Acids Research, 2014, 42, 9771-9780.	14.5	50
60	Heat Shock Transcription Factor 1 Binds Selectively in Vitro to Ku Protein and the Catalytic Subunit of the DNA-dependent Protein Kinase. Journal of Biological Chemistry, 1997, 272, 26009-26016.	3.4	47
61	Interaction of host cell proteins with the human T-cell leukemia virus type I transcriptional control region. II. A comprehensive map of protein-binding sites facilitates construction of a simple chimeric promoter responsive to the viral tax2 gene product Journal of Biological Chemistry, 1990, 265, 8237-8242.	3.4	47
62	Quantifiable Biomarkers of Normal Aging in the Japanese Medaka Fish (Oryzias latipes). PLoS ONE, 2010, 5, e13287.	2.5	46
63	Transgelin increases metastatic potential of colorectal cancer cells in vivo and alters expression of genes involved in cell motility. BMC Cancer, 2016, 16, 55.	2.6	46
64	A downstream-element-binding factor facilitates assembly of a functional preinitiation complex at the simian virus 40 major late promoter Molecular and Cellular Biology, 1990, 10, 3635-3645.	2.3	44
65	In vitro transcription by wheat germ ribonucleic acid polymerase II: effects of heparin and role of template integrity. Biochemistry, 1979, 18, 4581-4588.	2.5	42
66	Expression of the Ku70 subunit (XRCC6) and protection from low dose ionizing radiation during zebrafish embryogenesis. Neuroscience Letters, 2007, 422, 97-102.	2.1	42
67	Identification of Human Autoantibodies to the DNA Ligase IV/XRCC4 Complex and Mapping of an Autoimmune Epitope to a Potential Regulatory Region. Journal of Immunology, 2002, 169, 3413-3421.	0.8	40
68	Receptor-mediated delivery of engineered nucleases for genome modification. Nucleic Acids Research, 2013, 41, e182-e182.	14.5	38
69	Human RNA helicase A is a lupus autoantigen that is cleaved during apoptosis. Journal of Immunology, 1999, 163, 6269-74.	0.8	36
70	Nuclear Extracts Lacking DNA-dependent Protein Kinase Are Deficient in Multiple Round Transcription. Journal of Biological Chemistry, 1999, 274, 478-485.	3.4	35
71	DNA-dependent Protein Kinase Protects against Heat-induced Apoptosis. Journal of Biological Chemistry, 1999, 274, 14988-14996.	3.4	35
72	Quantification of Ionizing Radiation-Induced Cell Death <i>In Situ</i> in a Vertebrate Embryo. Radiation Research, 2007, 168, 149-157.	1.5	35

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73	Overexpression of the base excision repair NTHL1 glycosylase causes genomic instability and early cellular hallmarks of cancer. Nucleic Acids Research, 2018, 46, 4515-4532.	14.5	35
74	Autoantibodies to DNA-dependent protein kinase. Probes for the catalytic subunit Journal of Clinical Investigation, 1996, 97, 1417-1421.	8.2	35
75	In Vitro Activation of Transcription by the Human T-Cell Leukemia Virus Type I Tax Protein. Molecular and Cellular Biology, 1992, 12, 1986-1996.	2.3	34
76	The DNA-dependent protein kinase catalytic subunit (p460) is cleaved during Fas-mediated apoptosis in Jurkat cells. Journal of Immunology, 1997, 158, 2083-9.	0.8	34
77	Autoantibodies against DNA double-strand break repair proteins. Frontiers in Bioscience - Landmark, 2001, 6, d1412.	3.0	33
78	Distinct Roles for Ku Protein in Transcriptional Reinitiation and DNA Repair. Journal of Biological Chemistry, 2001, 276, 15423-15433.	3.4	33
79	Terminal DNA structure and ATP influence binding parameters of the DNA-dependent protein kinase at an early step prior to DNA synapsis. Nucleic Acids Research, 2006, 34, 1112-1120.	14.5	30
80	Large-scale analysis of protein expression changes in human keratinocytes immortalized by human papilloma virus type 16 E6 and E7 oncogenes. Proteome Science, 2009, 7, 29.	1.7	30
81	Evaluating biomarkers to model cancer risk post cosmic ray exposure. Life Sciences in Space Research, 2016, 9, 19-47.	2.3	30
82	Promoter evolution in BK virus: functional elements are created at sequence junctions. Journal of Virology, 1990, 64, 2411-2415.	3.4	30
83	Gene amplification and associated loss of 5′ regulatory sequences of CoAA in human cancers. Oncogene, 2007, 26, 822-835.	5.9	29
84	A Downstream-Element-Binding Factor Facilitates Assembly of a Functional Preinitiation Complex at the Simian Virus 40 Major Late Promoter. Molecular and Cellular Biology, 1990, 10, 3635-3645.	2.3	28
85	Identification of a Human T-cell Leukemia Virus Type I Tax Peptide in Contact with DNA. Journal of Biological Chemistry, 1999, 274, 34226-34232.	3.4	26
86	Galactic Cosmic Radiation Induces Persistent Epigenome Alterations Relevant to Human Lung Cancer. Scientific Reports, 2018, 8, 6709.	3.3	26
87	The DNA-dependent protein kinase: a matter of life and (cell) death. Current Opinion in Cell Biology, 1996, 8, 325-330.	5.4	25
88	Modification of the ionizing radiation response in living cells by an scFv against the DNA-dependent protein kinase. Nucleic Acids Research, 2003, 31, 5848-5857.	14.5	24
89	Biological Effects of High-Energy Neutrons MeasuredIn VivoUsing a Vertebrate Model. Radiation Research, 2009, 172, 473-480.	1.5	24
90	Long-Term Effects of Ionizing Radiation on Gene Expression in a Zebrafish Model. PLoS ONE, 2013, 8, e69445.	2.5	24

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91	Exosome-Containing Preparations From Postirradiated Mouse Melanoma Cells Delay Melanoma Growth InÂVivo by a Natural Killer Cell–Dependent Mechanism. International Journal of Radiation Oncology Biology Physics, 2020, 108, 104-114.	0.8	22
92	Characterization of DNA binding and pairing activities associated with the native SFPQ·NONO DNA repair protein complex. Biochemical and Biophysical Research Communications, 2015, 463, 473-478.	2.1	20
93	Use of Combination Proteomic Analysis to Demonstrate Molecular Similarity of Head and Neck Squamous Cell Carcinoma Arising From Different Subsites. JAMA Otolaryngology, 2009, 135, 694.	1.2	19
94	Intranuclear Delivery of a Novel Antibody-Derived Radiosensitizer Targeting the DNA-Dependent Protein Kinase Catalytic Subunit. International Journal of Radiation Oncology Biology Physics, 2012, 83, 1023-1030.	0.8	18
95	Effects of Low-Dose Ionizing Radiation and Menadione, an Inducer of Oxidative Stress, Alone and in Combination in a Vertebrate Embryo Model. Radiation Research, 2012, 178, 499-503.	1.5	17
96	Characterization of a minimal simian virus 40 late promoter: enhancer elements in the 72-base-pair repeat not required. Journal of Virology, 1989, 63, 1420-1427.	3.4	17
97	Templates for eukaryotic RNA polymerase II: Artefacts can produce an apparent preference for denatured DNA over native DNA. Analytical Biochemistry, 1977, 79, 181-189.	2.4	16
98	2Dâ€ÐIGE proteomic characterization of head and neck squamous cell carcinoma. Otolaryngology - Head and Neck Surgery, 2009, 141, 626-632.	1.9	16
99	What mechanisms underlie tissue-specific gene transcription?. Trends in Genetics, 1987, 3, 121-122.	6.7	15
100	Increased Mutagenic Joining of Enzymatically-Induced DNA Double-Strand Breaks in High-Charge and Energy Particle Irradiated Human Cells. Radiation Research, 2013, 180, 17.	1.5	15
101	Exposure to galactic cosmic radiation compromises DNA repair and increases the potential for oncogenic chromosomal rearrangement in bronchial epithelial cells. Scientific Reports, 2018, 8, 11038.	3.3	15
102	Co-culturing with High-Charge and Energy Particle Irradiated Cells Increases Mutagenic Joining of Enzymatically Induced DNA Double-Strand Breaks in Nonirradiated Cells. Radiation Research, 2015, 184, 249-258.	1.5	13
103	The Current State of Proteomics in Gl Oncology. Digestive Diseases and Sciences, 2009, 54, 431-457.	2.3	12
104	E. coli expression of a soluble, active single-chain antibody variable fragment containing a nuclear localization signal. Protein Expression and Purification, 2009, 66, 172-180.	1.3	12
105	Phosphorylation of the C-Terminal Domain of RNA Polymerase II by the Extracellular-Signal-Regulated Protein Kinase ERK2. Biochemical and Biophysical Research Communications, 1995, 207, 1051-1057.	2.1	11
106	Cell-type specific role of the RNA-binding protein, NONO, in the DNA double-strand break response in the mouse testes. DNA Repair, 2017, 51, 70-78.	2.8	11
107	A method to detect particle-specific antibodies against Ku and the DNA-dependent protein kinase catalytic subunit in autoimmune sera. Journal of Immunological Methods, 2001, 251, 53-61.	1.4	9
108	Identification of human autoantibodies to transcription factor IIB. Nucleic Acids Research, 1995, 23, 2770-2774.	14.5	8

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109	Effect of Radiation Quality on Mutagenic Joining of Enzymatically-Induced DNA Double-Strand Breaks in Previously Irradiated Human Cells. Radiation Research, 2014, 182, 573.	1.5	8
110	Distinct Roles of Ape1 Protein, an Enzyme Involved in DNA Repair, in High or Low Linear Energy Transfer Ionizing Radiation-induced Cell Killing. Journal of Biological Chemistry, 2014, 289, 30635-30644.	3.4	8
111	Editorial: Nucleic Acids Research and Nucleic Acid Therapeutics. Nucleic Acids Research, 2018, 46, 1563-1564.	14.5	8
112	Significance of HSPB1 expression in Head and Neck Squamous Cell Carcinoma: A Metaâ€Analysis of published literatures. Laryngoscope, 2010, 120, S172.	2.0	7
113	Use of a microscope stage-mounted Nickel-63 microirradiator for real-time observation of the DNA double-strand break response. Nucleic Acids Research, 2010, 38, e144-e144.	14.5	7
114	Characterization of exosome release and extracellular vesicle-associated miRNAs for human bronchial epithelial cells irradiated with high charge and energy ions. Life Sciences in Space Research, 2021, 28, 11-17.	2.3	6
115	Synergistic Effect of High Charge and Energy Particle Radiation and Chronological Age on Biomarkers of Oxidative Stress and Tissue Degeneration: A Ground-Based Study Using the Vertebrate Laboratory Model Organism Oryzias latipes. PLoS ONE, 2014, 9, e111362.	2.5	5
116	A single protein that binds to enhancers, promoter and replication origins?. Trends in Genetics, 1985, 1, 269-270.	6.7	4
117	Understanding and re-engineering nucleoprotein machines to cure human disease. Nanomedicine, 2008, 3, 93-105.	3.3	4
118	Human autoantibodies recognizing a native macromolecular structure composed of Sm core proteins in U small nuclear RNP particles. Arthritis and Rheumatism, 1998, 41, 2059-2067.	6.7	3
119	Multiâ€spectral imaging analysis of HSPB1 expression in Head and Neck Squamous Cell Carcinoma. Laryngoscope, 2010, 120, S171.	2.0	3
120	Platforms for delivery of macromolecules to sites of DNA double-strand break repair. Artificial Cells, Nanomedicine and Biotechnology, 2019, 47, 2196-2204.	2.8	2
121	[17] In Vitro binding and transcription assays using the human T-cell leukemia virus type I tax protein. Methods in Molecular Genetics, 1995, 7, 267-279.	0.6	1
122	Editorial: Introducing <i>NAR Cancer</i> . NAR Cancer, 2019, 1, zcz001.	3.1	1
123	Editorial: Ribosome survey and summary collection 2020. Nucleic Acids Research, 2020, 48, 1011-1012.	14.5	1
124	POROUS WALL, HOLLOW GLASS MICROSPHERES. , 2013, , 505-509.		1
125	Editorial: NAR Cancer and epigenetics and cancer. NAR Cancer, 2022, 4, zcac003.	3.1	1
126	Visualization of DNA Double-Strand Break Repair at the Single-Molecule Level. ACS Symposium Series, 2005, , 351-373.	0.5	0

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127	Modifying the function of DNA repair nanomachines for therapeutic benefit. Nanomedicine: Nanotechnology, Biology, and Medicine, 2006, 2, 74-81.	3.3	0
128	Mutagenic joining of enzymatically induced DNA double-strand breaks, accompanied by persistent unrepaired DNA damage and a secretory protein phenotype, in HZE-exposed human cells. Journal of Radiation Research, 2014, 55, i85-i86.	1.6	0
129	A Biological Delivery Platform for Zinc Finger Nucleases Using Transferrin-Mediated Endocytosis. Blood, 2011, 118, 1071-1071.	1.4	0
130	Regulation of SV40 Early Transcription. , 1984, , 273-277.		0