Jeffrey D Parvin

List of Publications by Year
in descending order

84 papers	7,897 citations	53751 45 h-index	56687 83 g-index
86 all docs	86 docs citations	86 times ranked	9481 citing authors

#	Article	IF	Citations
1	Network modeling links breast cancer susceptibility and centrosome dysfunction. Nature Genetics, 2007, 39, 1338-1349.	9.4	602
2	RNA Helicase A Mediates Association of CBP with RNA Polymerase II. Cell, 1997, 90, 1107-1112.	13.5	512
3	Î±-synuclein acts in the nucleus to inhibit histone acetylation and promote neurotoxicity. Human Molecular Genetics, 2006, 15, 3012-3023.	1.4	486
4	Amplification, expression, and packaging of a foreign gene by influenza virus. Cell, 1989, 59, 1107-1113.	13.5	469
5	DNA topology and a minimal set of basal factors for transcription by RNA polymerase II. Cell, 1993, 73, 533-540.	13.5	374
6	BRCA1 protein is linked to the RNA polymerase II holoenzyme complex via RNA helicase A. Nature Genetics, 1998, 19, 254-256.	9.4	368
7	BRCA1-Dependent Ubiquitination of Î³-Tubulin Regulates Centrosome Number. Molecular and Cellular Biology, 2004, 24, 8457-8466.	1.1	281
8	Massively Parallel Functional Analysis of BRCA1 RING Domain Variants. Genetics, 2015, 200, 413-422.	1.2	272
9	Human CDC6/Cdc18 Associates with Orc1 and Cyclin-cdk and Is Selectively Eliminated from the Nucleus at the Onset of S Phase. Molecular and Cellular Biology, 1998, 18, 2758-2767.	1.1	245
10	Patterns and functional implications of rare germline variants across 12 cancer types. Nature Communications, 2015, 6, 10086.	5.8	243
11	A Unified Nomenclature for Protein Subunits of Mediator Complexes Linking Transcriptional Regulators to RNA Polymerase II. Molecular Cell, 2004, 14, 553-557.	4.5	230
12	The multiple nuclear functions of BRCA1: transcription, ubiquitination and DNA repair. Current Opinion in Cell Biology, 2003, 15, 345-350.	2.6	212
13	Pre-bending of a promoter sequence enhances affinity for the TATA-binding factor. Nature, 1995, 373, 724-727.	13.7	189
14	Promoter specificity of basal transcription factors. Cell, 1992, 68, 1135-1144.	13.5	140
15	A mammalian SRB protein associated with an RNA polymerase II holoenzyme. Nature, 1996, 380, 82-85.	13.7	137
16	BRCA1/BARD1 Ubiquitinate Phosphorylated RNA Polymerase II. Journal of Biological Chemistry, 2005, 280, 24498-24505.	1.6	126
17	An Eukaryotic RuvB-like Protein (RUVBL1) Essential for Growth. Journal of Biological Chemistry, 1998, 273, 27786-27793.	1.6	120
18	Identification of Breast Tumor Mutations in <i>BRCA1</i> That Abolish Its Function in Homologous DNA Recombination. Cancer Research, 2010, 70, 988-995.	0.4	116

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19	Oncoprotein EWS-FLI1 Activity Is Enhanced by RNA Helicase A. Cancer Research, 2006, 66, 5574-5581.	0.4	114
20	Centrosomal Microtubule Nucleation Activity Is Inhibited by BRCA1-Dependent Ubiquitination. Molecular and Cellular Biology, 2005, 25, 8656-8668.	1.1	112
21	DNA topoisomerase IIÎ± is required for RNA polymerase II transcription on chromatin templates. Nature, 2001, 413, 435-438.	13.7	111
22	Cdk1 Participates in BRCA1-Dependent S Phase Checkpoint Control in Response to DNA Damage. Molecular Cell, 2009, 35, 327-339.	4.5	109
23	A Multiplex Homology-Directed DNA Repair Assay Reveals the Impact of More Than 1,000 BRCA1 Missense Substitution Variants on Protein Function. American Journal of Human Genetics, 2018, 103, 498-508.	2.6	99
24	Overexpression of a protein fragment of RNA helicase A causes inhibition of endogenous BRCA1 function and defects in ploidy and cytokinesis in mammary epithelial cells. Oncogene, 2003, 22, 983-991.	2.6	98
25	Degradation of Cdt1 during S Phase Is Skp2-independent and Is Required for Efficient Progression of Mammalian Cells through S Phase. Journal of Biological Chemistry, 2005, 280, 23416-23423.	1.6	97
26	Weighted Frequent Gene Co-expression Network Mining to Identify Genes Involved in Genome Stability. PLoS Computational Biology, 2012, 8, e1002656.	1.5	81
27	Activation of Transcription in Vitro by the BRCA1 Carboxyl-terminal Domain. Journal of Biological Chemistry, 1999, 274, 2113-2117.	1.6	75
28	Histone Deacetylases 9 and 10 Are Required for Homologous Recombination. Journal of Biological Chemistry, 2011, 286, 7722-7726.	1.6	71
29	Direct DNA Binding Activity of the Fanconi Anemia D2 Protein. Journal of Biological Chemistry, 2005, 280, 23593-23598.	1.6	67
30	Recruitment of ORC or CDC6 to DNA is sufficient to create an artificial origin of replication in mammalian cells. Genes and Development, 2005, 19, 2827-2836.	2.7	64
31	Chromatin modification by SUMO-1 stimulates the promoters of translation machinery genes. Nucleic Acids Research, 2012, 40, 10172-10186.	6.5	64
32	Aurora-A Kinase Regulates Breast Cancerâ€"Associated Gene 1 Inhibition of Centrosome-Dependent Microtubule Nucleation. Cancer Research, 2007, 67, 11186-11194.	0.4	63
33	KIAA0101 Interacts with BRCA1 and Regulates Centrosome Number. Molecular Cancer Research, 2011, 9, 1091-1099.	1.5	63
34	Elongation by RNA polymerase II on chromatin templates requires topoisomerase activity. Nucleic Acids Research, 2003, 31, 5016-5024.	6.5	60
35	Identification of Domains of BRCA1 Critical for the Ubiquitin-Dependent Inhibition of Centrosome Function. Cancer Research, 2006, 66, 4100-4107.	0.4	58
36	Regulatory targets in the RNA polymerase II holoenzyme. Current Opinion in Genetics and Development, 1998, 8, 565-570.	1.5	52

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37	Binding of Liganded Vitamin D Receptor to the Vitamin D Receptor Interacting Protein Coactivator Complex Induces Interaction with RNA Polymerase II Holoenzyme. Journal of Biological Chemistry, 2000, 275, 10719-10722.	1.6	52
38	Redistribution of BRCA1 among Four Different Protein Complexes following Replication Blockage. Journal of Biological Chemistry, 2001, 276, 38549-38554.	1.6	52
39	Phosphorylation of Histone H2A Inhibits Transcription on Chromatin Templates. Journal of Biological Chemistry, 2004, 279, 21866-21872.	1.6	52
40	BRCA1/BARD1 E3 Ubiquitin Ligase Can Modify Histones H2A and H2B in the Nucleosome Particle. Journal of Biomolecular Structure and Dynamics, 2010, 27, 399-405.	2.0	52
41	Analysis of BRCA1 Variants in Double-Strand Break Repair by Homologous Recombination and Single-Strand Annealing. Human Mutation, 2013, 34, 439-445.	1.1	52
42	Transplacental passage of IgG antibody to group B streptococcus serotype Ia. Journal of Pediatrics, 1984, 104, 618-620.	0.9	50
43	BRCA1 DNA-Binding Activity Is Stimulated by BARD1. Cancer Research, 2006, 66, 2012-2018.	0.4	50
44	BRCA1 regulates Î³-tubulin binding to centrosomes. Cancer Biology and Therapy, 2007, 6, 1853-1857.	1.5	47
45	The BRCA1 and BARD1 association with the RNA polymerase II holoenzyme. Cancer Research, 2002, 62, 4222-8.	0.4	47
46	Centrosome function in normal and tumor cells. Journal of Cellular Biochemistry, 2006, 99, 1240-1250.	1.2	45
47	A mechanism for transcriptional repression dependent on the BRCA1 E3 ubiquitin ligase. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 6614-6619.	3.3	43
48	Multiple Mechanisms Contribute to Inhibit Transcription in Response to DNA Damage. Journal of Biological Chemistry, 2008, 283, 9555-9561.	1.6	42
49	<i>BRCA1</i> promotes the ubiquitination of PCNA and recruitment of translesion polymerases in response to replication blockade. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13558-13563.	3.3	42
50	BRCA1 contributes to transcriptionâ€coupled repair of DNA damage through polyubiquitination and degradation of Cockayne syndrome B protein. Cancer Science, 2011, 102, 1840-1847.	1.7	41
51	Substrates of the BRCA1-dependent ubiquitin ligase. Cancer Biology and Therapy, 2006, 5, 137-141.	1.5	39
52	HDAC10 as a potential therapeutic target in ovarian cancer. Gynecologic Oncology, 2017, 144, 613-620.	0.6	39
53	The BRCA1â€dependent ubiquitin ligase, Î³â€tubulin, and centrosomes. Environmental and Molecular Mutagenesis, 2009, 50, 649-653.	0.9	37
54	NUSAP1 influences the DNA damage response by controlling BRCA1 protein levels. Cancer Biology and Therapy, 2014, 15, 533-543.	1.5	35

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55	Regulation of centrosomes by the BRCA1-dependent ubiquitin ligase. Cancer Biology and Therapy, 2008, 7, 1540-1543.	1.5	34
56	The BRCA1 E3 Ubiquitin Ligase Controls Centrosome Dynamics. Cell Cycle, 2006, 5, 1946-1950.	1.3	30
57	Association of BLM and BRCA1 during Telomere Maintenance in ALT Cells. PLoS ONE, 2014, 9, e103819.	1.1	28
58	Functional Analysis of BARD1 Missense Variants in Homology-Directed Repair of DNA Double Strand Breaks. Human Mutation, 2015, 36, 1205-1214.	1.1	27
59	The chromatin scaffold protein SAFB1 localizes SUMO-1 to the promoters of ribosomal protein genes to facilitate transcription initiation and splicing. Nucleic Acids Research, 2015, 43, 3605-3613.	6.5	27
60	Regulation of 53BP1 Protein Stability by RNF8 and RNF168 Is Important for Efficient DNA Double-Strand Break Repair. PLoS ONE, 2014, 9, e110522.	1.1	27
61	BRCA1 Represses Amphiregulin Gene Expression. Cancer Research, 2010, 70, 996-1005.	0.4	25
62	Functional analysis of BARD1 missense variants in homology-directed repair and damage sensitivity. PLoS Genetics, 2019, 15, e1008049.	1.5	23
63	Ran Binding Protein 9 (RanBP9) is a novel mediator of cellular DNA damage response in lung cancer cells. Oncotarget, 2016, 7, 18371-18383.	0.8	23
64	Overview of History and Progress in BRCA1 Research: The First BRCA1 Decade. Cancer Biology and Therapy, 2004, 3, 505-508.	1.5	22
65	A Negative Cofactor Containing Dr1/p19 Modulates Transcription with TFIIA in a Promoter-specific Fashion. Journal of Biological Chemistry, 1996, 271, 18405-18412.	1.6	20
66	Camptothecin resistance is determined by the regulation of topoisomerase I degradation mediated by ubiquitin proteasome pathway. Oncotarget, 2017, 8, 43733-43751.	0.8	20
67	Expression of an amino-terminal BRCA1 deletion mutant causes a dominant growth inhibition in MCF10A cells. Oncogene, 2004, 23, 5792-5798.	2.6	18
68	RING1A and BMI1 bookmark active genes via ubiquitination of chromatin-associated proteins. Nucleic Acids Research, 2016, 44, 2136-2144.	6.5	18
69	Gene co-expression analysis predicts genetic aberration loci associated with colon cancer metastasis. International Journal of Computational Biology and Drug Design, 2013, 6, 60.	0.3	15
70	Small Ubiquitin-like Modifier (SUMO) Isoforms and Conjugation-independent Function in DNA Double-strand Break Repair Pathways. Journal of Biological Chemistry, 2014, 289, 21289-21295.	1.6	15
71	BRCA1 Control of Steroid Receptor Ubiquitination. Science's STKE: Signal Transduction Knowledge Environment, 2007, 2007, pe34.	4.1	14
72	Rapid RNA Sequencing Using Double-Stranded Template DNA, SP6 Polymerase, and 3â€²-Deoxynucleotide Triphosphates. DNA and Cell Biology, 1986, 5, 167-171.	5.1	13

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73	PI 3 Kinase Related Kinases-Independent Proteolysis of BRCA1 Regulates Rad51 Recruitment during Genotoxic Stress in Human Cells. PLoS ONE, 2010, 5, e14027.	1.1	13
74	Roles for <scp>SUMO</scp> in preâ€‹<scp>mRNA</scp> processing. Wiley Interdisciplinary Reviews RNA, 2016, 7, 105-112.	3.2	13
75	Differential requirements for DNA repair proteins in immortalized cell lines using alternative lengthening of telomere mechanisms. Genes Chromosomes and Cancer, 2017, 56, 617-631.	1.5	13
76	Direct Stimulation of Transcription Initiation by BRCA1 Requires Both Its Amino and Carboxyl Termini. Journal of Biological Chemistry, 2006, 281, 8317-8320.	1.6	12
77	Identifying the Effects of BRCA1 Mutations on Homologous Recombination using Cells that Express Endogenous Wild-type BRCA1. Journal of Visualized Experiments, 2011, , .	0.2	11
78	Modulation of Early Mitotic Inhibitor 1 (EMI1) depletion on the sensitivity of PARP inhibitors in BRCA1 mutated triple-negative breast cancer cells. PLoS ONE, 2021, 16, e0235025.	1.1	11
79	Promoters active in interphase are bookmarked during mitosis by ubiquitination. Nucleic Acids Research, 2012, 40, 10187-10202.	6.5	8
80	The functional impact of BRCA1 BRCT domain variants using multiplexed DNA double-strand break repair assays. American Journal of Human Genetics, 2022, 109, 618-630.	2.6	8
81	F-Box Protein-Mediated Resistance to PARP Inhibitor Therapy. Molecular Cell, 2019, 73, 195-196.	4.5	4
82	COMPARING MULTIPLE ChIP-SEQUENCING EXPERIMENTS. Journal of Bioinformatics and Computational Biology, 2011, 09, 269-282.	0.3	2
83	Processes that Regulate the Ubiquitination of Chromatin and Chromatin-Associated Proteins. , 2019, , .		2
84	Creating a Tool-Kit for Exploring BRCA1 Fnction. Cancer Biology and Therapy, 2002, 1, 509-510.	1.5	1