Roger A Greenberg

List of Publications by Citations

58 papers	5,267 citations	31 h-index	60 g-index
60 ext. papers	6,451 ext. citations	14.2 avg, IF	5.9 L-index

#	Paper	IF	Citations
58	Mitotic progression following DNA damage enables pattern recognition within micronuclei. *Nature*, **2017**, 548, 466-470	50.4	659
57	RAP80 targets BRCA1 to specific ubiquitin structures at DNA damage sites. *Science*, **2007**, 316, 1198-202	33.3	547
56	ATM-dependent chromatin changes silence transcription in cis to DNA double-strand breaks. *Cell*, **2010**, 141, 970-81	56.2	501
55	Acetylation limits 53BP1 association with damaged chromatin to promote homologous recombination. *Nature Structural and Molecular Biology*, **2013**, 20, 317-25	17.6	347
54	Break-induced telomere synthesis underlies alternative telomere maintenance. *Nature*, **2016**, 539, 54-58	50.4	240
53	Multifactorial contributions to an acute DNA damage response by BRCA1/BARD1-containing complexes. *Genes and Development*, **2006**, 20, 34-46	12.6	238
52	Biallelic mutations in BRCA1 cause a new Fanconi anemia subtype. *Cancer Discovery*, **2015**, 5, 135-42	24.4	215
51	Interchromosomal homology searches drive directional ALT telomere movement and synapsis. *Cell*, **2014**, 159, 108-121	56.2	215
50	DNA Damage Follows Repair Factor Depletion and Portends Genome Variation in Cancer Cells after Pore Migration. *Current Biology*, **2017**, 27, 210-223	6.3	163
49	The BRCA1-RAP80 complex regulates DNA repair mechanism utilization by restricting end resection. *Journal of Biological Chemistry*, **2011**, 286, 13669-80	5.4	162
48	DNA-damage-induced type I interferon promotes senescence and inhibits stem cell function. *Cell Reports*, **2015**, 11, 785-797	10.6	139
47	Diverse and Reversion Mutations in Circulating Cell-Free DNA of Therapy-Resistant Breast or Ovarian Cancer. *Clinical Cancer Research*, **2017**, 23, 6708-6720	12.9	132
46	Mechanosensing by the Lamina Protects against Nuclear Rupture, DNA Damage, and Cell-Cycle Arrest. *Developmental Cell*, **2019**, 49, 920-935.e5	10.2	129
45	ALTernative Telomere Maintenance and Cancer. *Trends in Cancer*, **2015**, 1, 145-156	12.5	129
44	MERIT40 controls BRCA1-Rap80 complex integrity and recruitment to DNA double-strand breaks. *Genes and Development*, **2009**, 23, 740-54	12.6	117
43	Whole-exome sequencing identifies somatic ATRX mutations in pheochromocytomas and paragangliomas. *Nature Communications*, **2015**, 6, 6140	17.4	115
42	Nuclear Acetyl-CoA Production by ACLY Promotes Homologous Recombination. *Molecular Cell*, **2017**, 67, 252-265.e6	17.6	110

41	ATM Dependent Silencing Links Nucleolar Chromatin Reorganization to DNA Damage Recognition. *Cell Reports*, **2015**, 13, 251-9	10.6	94
40	Noncanonical views of homology-directed DNA repair. *Genes and Development*, **2016**, 30, 1138-54	12.6	92
39	HGG-33. PATIENT DERIVED CELL LINES TO STUDY ATRX AND ALT IN PEDIATRIC BRAIN TUMORS. *Neuro-Oncology*, **2018**, 20, i96-i96	1	78
38	A BRISC-SHMT complex deubiquitinates IFNAR1 and regulates interferon responses. *Cell Reports*, **2013**, 5, 180-93	10.6	62
37	Combining PARP with ATR inhibition overcomes PARP inhibitor and platinum resistance in ovarian cancer models. *Nature Communications*, **2020**, 11, 3726	17.4	61
36	Deciphering the BRCA1 Tumor Suppressor Network. *Journal of Biological Chemistry*, **2015**, 290, 17724-17732	5.4	59
35	Differential regulation of JAMM domain deubiquitinating enzyme activity within the RAP80 complex. *Journal of Biological Chemistry*, **2010**, 285, 30971-81	5.4	57
34	A Radiotracer Strategy to Quantify PARP-1 Expression In Vivo Provides a Biomarker That Can Enable Patient Selection for PARP Inhibitor Therapy. *Cancer Research*, **2016**, 76, 4516-24	10.1	55
33	RAD52 and SLX4 act nonepistatically to ensure telomere stability during alternative telomere lengthening. *Genes and Development*, **2019**, 33, 221-235	12.6	50
32	Recognition of DNA double strand breaks by the BRCA1 tumor suppressor network. *Chromosoma*, **2008**, 117, 305-17	2.8	49
31	Nuclear body phase separation drives telomere clustering in ALT cancer cells. *Molecular Biology of the Cell*, **2020**, 31, 2048-2056	3.5	44
30	Type I interferon controls propagation of long interspersed element-1. *Journal of Biological Chemistry*, **2015**, 290, 10191-9	5.4	44
29	ALC1 links chromatin accessibility to PARP inhibitor response in homologous recombination-deficient cells. *Nature Cell Biology*, **2021**, 23, 160-171	23.4	37
28	Metabolic control of BRISC-SHMT2 assembly regulates immune signalling. *Nature*, **2019**, 570, 194-199	50.4	33
27	Higher-Order Assembly of BRCC36-KIAA0157 Is Required for DUB Activity and Biological Function. *Molecular Cell*, **2015**, 59, 970-83	17.6	31
26	As a Nucleus Enters a Small Pore, Chromatin Stretches and Maintains Integrity, Even with DNA Breaks. *Biophysical Journal*, **2017**, 112, 446-449	2.9	29
25	Cell Cycle Checkpoints Cooperate to Suppress DNA- and RNA-Associated Molecular Pattern Recognition and Anti-Tumor Immune Responses. *Cell Reports*, **2020**, 32, 108080	10.6	29
24	[(18)F]FluorThanatrace uptake as a marker of PARP1 expression and activity in breast cancer. *American Journal of Nuclear Medicine and Molecular Imaging*, **2016**, 6, 94-101	2.2	27

23	Meiosis-specific proteins MEIOB and SPATA22 cooperatively associate with the single-stranded DNA-binding replication protein A complex and DNA double-strand breaks. *Biology of Reproduction*, **2017**, 96, 1096-1104	3.9	26
22	Histone tails: Directing the chromatin response to DNA damage. *FEBS Letters*, **2011**, 585, 2883-90	3.8	26
21	Targeting PARP-1 with Alpha-Particles Is Potently Cytotoxic to Human Neuroblastoma in Preclinical Models. *Molecular Cancer Therapeutics*, **2019**, 18, 1195-1204	6.1	21
20	MERIT40 cooperates with BRCA2 to resolve DNA interstrand cross-links. *Genes and Development*, **2015**, 29, 1955-68	12.6	17
19	Choreographing the Double Strand Break Response: Ubiquitin and SUMO Control of Nuclear Architecture. *Frontiers in Genetics*, **2016**, 7, 103	4.5	11
18	Case-control analysis of truncating mutations in DNA damage response genes connects TEX15 and FANCD2 with hereditary breast cancer susceptibility. *Scientific Reports*, **2017**, 7, 681	4.9	10
17	The BRISC deubiquitinating enzyme complex limits hematopoietic stem cell expansion by regulating JAK2 K63-ubiquitination. *Blood*, **2019**, 133, 1560-1571	2.2	9
16	Assembling a protective shield. *Nature Cell Biology*, **2018**, 20, 862-863	23.4	8
15	Chromatin yo-yo: expansion and condensation during DNA repair. *Trends in Cell Biology*, **2014**, 24, 616-618	18.3	6
14	MERIT40 deficiency expands hematopoietic stem cell pools by regulating thrombopoietin receptor signaling. *Blood*, **2015**, 125, 1730-8	2.2	6
13	DNA repair: Familiar ends with alternative endings. *Nature*, **2015**, 518, 174-6	50.4	6
12	Cancer. BRCA1, everything but the RING?. *Science*, **2011**, 334, 459-60	33.3	6
11	Phosphorylation of TIP60 Suppresses 53BP1 Localization at DNA Damage Sites. *Molecular and Cellular Biology*, **2019**, 39,	4.8	6
10	Direct Quantitative Monitoring of Homology-Directed DNA Repair of Damaged Telomeres. *Methods in Enzymology*, **2018**, 600, 107-134	1.7	5
9	The abscopal effect: a sense of DNA damage is in the air. *Journal of Clinical Investigation*, **2021**, 131,	15.9	5
8	In vivo imaging of DNA double-strand break induced telomere mobility during alternative lengthening of telomeres. *Methods*, **2017**, 114, 54-59	4.6	4
7	Morning for Irofulven, What Could be fiNER?. *Clinical Cancer Research*, **2021**, 27, 1833-1835	12.9	3
6	Telomere erosion in human pluripotent stem cells leads to ATR-mediated mitotic catastrophe. *Journal of Cell Biology*, **2021**, 220,	7.3	2

List of Publications

5	Communication between chromatin and homologous recombination. *Current Opinion in Genetics and Development*, **2021**, 71, 1-9	4.9	1
4	Putting PHDs to work: PHF11 clears the way for EXO1 in double-strand break repair. *Genes and Development*, **2017**, 31, 3-5	12.6	
3	David Livingston (1941-2021).. *Molecular Cell*, **2022**, 82, 4-7	17.6	
2	RNF4-Dependent Hybrid SUMO-Ubiquitin Chains are Signals for RAP80 and thereby Mediate the Recruitment of BRCA1 to Sites of DNA Damage. *FASEB Journal*, **2013**, 27, 782.7	0.9	
1	The inner workings of replisome-dependent control of DNA damage tolerance.. *Genes and Development*, **2022**, 36, 103-105	12.6	