

# Valrie Schreiber

## List of Publications by Citations

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77  
papers

10,008  
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44  
h-index

82  
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82  
ext. papers

10,839  
ext. citations

8.6  
avg, IF

5.7  
L-index

#	Paper	IF	Citations
77	Poly(ADP-ribose): novel functions for an old molecule. <i>Nature Reviews Molecular Cell Biology</i> , <b>2006</b> , 7, 517-28	48.7	1523
76	XRCC1 is specifically associated with poly(ADP-ribose) polymerase and negatively regulates its activity following DNA damage. <i>Molecular and Cellular Biology</i> , <b>1998</b> , 18, 3563-71	4.8	764
75	PARP-1 inhibition increases mitochondrial metabolism through SIRT1 activation. <i>Cell Metabolism</i> , <b>2011</b> , 13, 461-468	24.6	555
74	PARP-2, A novel mammalian DNA damage-dependent poly(ADP-ribose) polymerase. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 17860-8	5.4	540
73	Poly(ADP-ribose) polymerase-2 (PARP-2) is required for efficient base excision DNA repair in association with PARP-1 and XRCC1. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 23028-36	5.4	530
72	Functional interaction between PARP-1 and PARP-2 in chromosome stability and embryonic development in mouse. <i>EMBO Journal</i> , <b>2003</b> , 22, 2255-63	13	457
71	Base excision repair is impaired in mammalian cells lacking Poly(ADP-ribose) polymerase-1. <i>Biochemistry</i> , <b>2000</b> , 39, 7559-69	3.2	393
70	The diverse roles and clinical relevance of PARPs in DNA damage repair: current state of the art. <i>Biochemical Pharmacology</i> , <b>2012</b> , 84, 137-46	6	364
69	Involvement of poly(ADP-ribose) polymerase in base excision repair. <i>Biochimie</i> , <b>1999</b> , 81, 69-75	4.6	284
68	Feedback-regulated poly(ADP-ribosyl)ation by PARP-1 is required for rapid response to DNA damage in living cells. <i>Nucleic Acids Research</i> , <b>2007</b> , 35, 7665-75	20.1	228
67	Parp-1 protects homologous recombination from interference by Ku and Ligase IV in vertebrate cells. <i>EMBO Journal</i> , <b>2006</b> , 25, 1305-14	13	201
66	Poly(ADP-ribose) polymerase 3 (PARP3), a newcomer in cellular response to DNA damage and mitotic progression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 2783-8	11.5	198
65	Poly(ADP-ribose) polymerases in double-strand break repair: focus on PARP1, PARP2 and PARP3. <i>Experimental Cell Research</i> , <b>2014</b> , 329, 18-25	4.2	197
64	PARP-2 regulates SIRT1 expression and whole-body energy expenditure. <i>Cell Metabolism</i> , <b>2011</b> , 13, 450-460	11.6	192
63	A nuclear poly(ADP-ribose)-dependent signalosome confers DNA damage-induced I $\kappa$ B kinase activation. <i>Molecular Cell</i> , <b>2009</b> , 36, 365-78	17.6	189
62	A dominant-negative mutant of human poly(ADP-ribose) polymerase affects cell recovery, apoptosis, and sister chromatid exchange following DNA damage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1995</b> , 92, 4753-7	11.5	187
61	Structure and function of poly(ADP-ribose) polymerase. <i>Molecular and Cellular Biochemistry</i> , <b>1994</b> , 138, 15-24	4.2	183

60	Functional interaction between poly(ADP-Ribose) polymerase 2 (PARP-2) and TRF2: PARP activity negatively regulates TRF2. <i>Molecular and Cellular Biology</i> , <b>2004</b> , 24, 1595-607	4.8	154
59	PARP-1 and PARP-2 interact with nucleophosmin/B23 and accumulate in transcriptionally active nucleoli. <i>Journal of Cell Science</i> , <b>2005</b> , 118, 211-22	5.3	142
58	PARP1-TDP1 coupling for the repair of topoisomerase I-induced DNA damage. <i>Nucleic Acids Research</i> , <b>2014</b> , 42, 4435-49	20.1	139
57	Toward specific functions of poly(ADP-ribose) polymerase-2. <i>Trends in Molecular Medicine</i> , <b>2008</b> , 14, 169-175	11.5	127
56	The expanding field of poly(ADP-ribosyl)ation reactions. 'Protein Modifications: Beyond the Usual Suspects' Review Series. <i>EMBO Reports</i> , <b>2008</b> , 9, 1094-100	6.5	124
55	Poly(ADP-ribose) polymerase-1 activation during DNA damage and repair. <i>Methods in Enzymology</i> , <b>2006</b> , 409, 493-510	1.7	123
54	Lasp-1 (MLN 50) defines a new LIM protein subfamily characterized by the association of LIM and SH3 domains. <i>FEBS Letters</i> , <b>1995</b> , 373, 245-9	3.8	115
53	Radiation-induced mitotic catastrophe in PARG-deficient cells. <i>Journal of Cell Science</i> , <b>2009</b> , 122, 1990-2002	9.2	100
52	PARP1 is a TRF2-associated poly(ADP-ribose) polymerase and protects eroded telomeres. <i>Molecular Biology of the Cell</i> , <b>2006</b> , 17, 1686-96	3.5	94
51	PARP-1 transcriptional activity is regulated by sumoylation upon heat shock. <i>EMBO Journal</i> , <b>2009</b> , 28, 3534-48	13	92
50	PARG is recruited to DNA damage sites through poly(ADP-ribose)- and PCNA-dependent mechanisms. <i>Nucleic Acids Research</i> , <b>2011</b> , 39, 5045-56	20.1	92
49	PARP-2 deficiency affects the survival of CD4+CD8+ double-positive thymocytes. <i>EMBO Journal</i> , <b>2006</b> , 25, 4350-60	13	87
48	Poly(ADP-ribose) polymerase: molecular biological aspects. <i>BioEssays</i> , <b>1991</b> , 13, 455-62	4.1	86
47	The role of poly(ADP-ribosyl)ation in epigenetic events. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2009</b> , 41, 60-5	5.6	84
46	Poly(ADP-ribose) polymerase-2 [corrected] controls adipocyte differentiation and adipose tissue function through the regulation of the activity of the retinoid X receptor/peroxisome proliferator-activated receptor-gamma [corrected] heterodimer. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 37738-46	5.4	82
45	Lasp-1, a Novel Type of Actin-Binding Protein Accumulating in Cell Membrane Extensions. <i>Molecular Medicine</i> , <b>1998</b> , 4, 675-687	6.2	80
44	Poly(ADP-ribose) polymerase 1 regulates both the exonuclease and helicase activities of the Werner syndrome protein. <i>Nucleic Acids Research</i> , <b>2004</b> , 32, 4003-14	20.1	74
43	PARP3 affects the relative contribution of homologous recombination and nonhomologous end-joining pathways. <i>Nucleic Acids Research</i> , <b>2014</b> , 42, 5616-32	20.1	71

42	Poly(ADP-ribose) polymerase-1 (PARP-1) is required in murine cell lines for base excision repair of oxidative DNA damage in the absence of DNA polymerase beta. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 18471-7	5.4	64
41	New readers and interpretations of poly(ADP-ribosyl)ation. <i>Trends in Biochemical Sciences</i> , <b>2012</b> , 37, 381-90	5.3	62
40	Parp-2 is required to maintain hematopoiesis following sublethal irradiation in mice. <i>Blood</i> , <b>2013</b> , 122, 44-54	2.2	57
39	Regulation of NFAT by poly(ADP-ribose) polymerase activity in T cells. <i>Molecular Immunology</i> , <b>2008</b> , 45, 1863-71	4.3	57
38	Expanding functions of ADP-ribosylation in the maintenance of genome integrity. <i>Seminars in Cell and Developmental Biology</i> , <b>2017</b> , 63, 92-101	7.5	53
37	PARP3 controls TGF $\beta$ and ROS driven epithelial-to-mesenchymal transition and stemness by stimulating a TG2-Snail-E-cadherin axis. <i>Oncotarget</i> , <b>2016</b> , 7, 64109-64123	3.3	51
36	Functional interplay between Parp-1 and SirT1 in genome integrity and chromatin-based processes. <i>Cellular and Molecular Life Sciences</i> , <b>2009</b> , 66, 3219-34	10.3	49
35	PARG is dispensable for recovery from transient replicative stress but required to prevent detrimental accumulation of poly(ADP-ribose) upon prolonged replicative stress. <i>Nucleic Acids Research</i> , <b>2014</b> , 42, 7776-92	20.1	48
34	PARP-2 sustains erythropoiesis in mice by limiting replicative stress in erythroid progenitors. <i>Cell Death and Differentiation</i> , <b>2015</b> , 22, 1144-57	12.7	47
33	Poly (ADP-ribose) glycohydrolase regulates retinoic acid receptor-mediated gene expression. <i>Molecular Cell</i> , <b>2012</b> , 48, 785-98	17.6	42
32	PARP-2 interacts with TTF-1 and regulates expression of surfactant protein-B. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 9600-6	5.4	42
31	Interaction of PARP-2 with DNA structures mimicking DNA repair intermediates and consequences on activity of base excision repair proteins. <i>Biochimie</i> , <b>2013</b> , 95, 1208-15	4.6	41
30	A bidirectional promoter connects the poly(ADP-ribose) polymerase 2 (PARP-2) gene to the gene for RNase P RNA. structure and expression of the mouse PARP-2 gene. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 11092-9	5.4	39
29	Kin17, a mouse nuclear zinc finger protein that binds preferentially to curved DNA. <i>Nucleic Acids Research</i> , <b>1994</b> , 22, 4335-41	20.1	39
28	Nucleolar localization of aprataxin is dependent on interaction with nucleolin and on active ribosomal DNA transcription. <i>Human Molecular Genetics</i> , <b>2006</b> , 15, 2239-49	5.6	33
27	Poly(ADP-ribose) polymerase 1 (PARP1) associates with E3 ubiquitin-protein ligase UHRF1 and modulates UHRF1 biological functions. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 16223-38	5.4	32
26	Autophagy requires poly(adp-ribosyl)ation-dependent AMPK nuclear export. <i>Cell Death and Differentiation</i> , <b>2016</b> , 23, 2007-2018	12.7	30
25	Chromosomal assignment and expression pattern of the murine Lasp-1 gene. <i>Gene</i> , <b>1998</b> , 207, 171-5	3.8	29

24	PARP-1/PARP-2 double deficiency in mouse T cells results in faulty immune responses and T lymphomas. <i>Scientific Reports</i> , <b>2017</b> , 7, 41962	4.9	25
23	Functional aspects of PARylation in induced and programmed DNA repair processes: preserving genome integrity and modulating physiological events. <i>Molecular Aspects of Medicine</i> , <b>2013</b> , 34, 1138-52	16.7	25
22	Activation of the abundant nuclear factor poly(ADP-ribose) polymerase-1 by <i>Helicobacter pylori</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 19998-20003	11.5	25
21	XRCC1 interacts with the p58 subunit of DNA Pol alpha-primase and may coordinate DNA repair and replication during S phase. <i>Nucleic Acids Research</i> , <b>2009</b> , 37, 3177-88	20.1	24
20	Poly(ADP-ribosyl)ation of Methyl CpG Binding Domain Protein 2 Regulates Chromatin Structure. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 4873-81	5.4	23
19	The macroPARP genes Parp-9 and Parp-14 are developmentally and differentially regulated in mouse tissues. <i>Developmental Dynamics</i> , <b>2008</b> , 237, 209-15	2.9	23
18	Functional interaction between human papillomavirus type 18 E2 and poly(ADP-ribose) polymerase 1. <i>Oncogene</i> , <b>2002</b> , 21, 5877-85	9.2	21
17	Rfx6 promotes the differentiation of peptide-secreting enteroendocrine cells while repressing genetic programs controlling serotonin production. <i>Molecular Metabolism</i> , <b>2019</b> , 29, 24-39	8.8	19
16	Genetic ablation of PARP-1 protects against oxazolone-induced contact hypersensitivity by modulating oxidative stress. <i>Journal of Investigative Dermatology</i> , <b>2010</b> , 130, 2629-37	4.3	19
15	Parp2 is required for the differentiation of post-meiotic germ cells: identification of a spermatid-specific complex containing Parp1, Parp2, TP2 and HSPA2. <i>Experimental Cell Research</i> , <b>2009</b> , 315, 2824-34	4.2	18
14	Poly(ADP-ribose) polymerase: structure-function relationship. <i>Biochimie</i> , <b>1995</b> , 77, 456-61	4.6	18
13	Phenotypic characterization of Parp-1 and Parp-2 deficient mice and cells. <i>Methods in Molecular Biology</i> , <b>2011</b> , 780, 313-36	1.4	17
12	PARG deficiency is neither synthetic lethal with BRCA1 nor PTEN deficiency. <i>Cancer Cell International</i> , <b>2016</b> , 16, 53	6.4	16
11	PARP3, a new therapeutic target to alter Rictor/mTORC2 signaling and tumor progression in BRCA1-associated cancers. <i>Cell Death and Differentiation</i> , <b>2019</b> , 26, 1615-1630	12.7	14
10	Detection of the nuclear poly(ADP-ribose)-metabolizing enzymes and activities in response to DNA damage. <i>Methods in Molecular Biology</i> , <b>2009</b> , 464, 267-83	1.4	12
9	Purification of recombinant poly(ADP-ribose) polymerases. <i>Methods in Molecular Biology</i> , <b>2011</b> , 780, 135-52	15.2	12
8	A eukaryotic expression vector for the study of nuclear localization signals. <i>Gene</i> , <b>1994</b> , 150, 411-2	3.8	8
7	PARP-2: Structure-Function Relationship <b>2006</b> , 13-31		5

6	Robust immunoglobulin class switch recombination and end joining in Parp9-deficient mice. <i>European Journal of Immunology</i> , <b>2017</b> , 47, 665-676	6.1	4
5	Discovery of the PARP Superfamily and Focus on the Lesser Exhibited But Not Lesser Talented Members. <i>Cancer Drug Discovery and Development</i> , <b>2015</b> , 15-46	0.3	3
4	Purification of Recombinant Human PARG and Activity Assays. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1608, 395-413	1.4	2
3	The expanding field of poly(ADP-ribosyl)ation reactions. Protein Modifications: Beyond the Usual Suspects Review Series. <i>EMBO Reports</i> , <b>2008</b> , 9, 1252-1252	6.5	1
2	Extensive NEUROG3 occupancy in the human pancreatic endocrine gene regulatory network. <i>Molecular Metabolism</i> , <b>2021</b> , 53, 101313	8.8	1
1	Purification of Recombinant Human PARP-3. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1608, 373-394	1.4	0