

Rafael Alvarez-Gonzalez

List of Publications by Year in descending order

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47
papers

1,421
citations

393982

19
h-index

360668

35
g-index

48
all docs

48
docs citations

48
times ranked

1040
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of polymers of adenosine diphosphate ribose generated in vitro and in vivo. <i>Biochemistry</i> , 1987, 26, 3218-3224.	1.2	232
2	Poly(ADP-ribose) catabolism in mammalian cells exposed to DNA-damaging agents. <i>Mutation Research DNA Repair</i> , 1989, 218, 67-74.	3.8	202
3	The Sequence-specific DNA Binding of NF- κ B Is Reversibly Regulated by the Automodification Reaction of Poly (ADP-ribose) Polymerase 1. <i>Journal of Biological Chemistry</i> , 2001, 276, 47664-47670.	1.6	128
4	Regulation of p53 Sequence-specific DNA-binding by Covalent Poly(ADP-ribosyl)ation. <i>Journal of Biological Chemistry</i> , 2001, 276, 36425-36430.	1.6	87
5	Selective Loss of Poly(ADP-ribose) and the 85-kDa Fragment of Poly(ADP-ribose) Polymerase in Nucleoli during Alkylation-induced Apoptosis of HeLa Cells. <i>Journal of Biological Chemistry</i> , 1999, 274, 32122-32126.	1.6	73
6	[50] Determination of in Vivo levels of polymeric and monomeric ADP-ribose by fluorescence methods. <i>Methods in Enzymology</i> , 1984, 106, 483-494.	0.4	72
7	Evaluation of immobilized boronates for studies of adenine and pyridine nucleotide metabolism. <i>Analytical Biochemistry</i> , 1983, 135, 69-77.	1.1	62
8	TFIIIF, a basal eukaryotic transcription factor, is a substrate for poly(ADP-ribosyl)ation. <i>Biochemical Journal</i> , 1997, 324, 249-253.	1.7	62
9	Poly(ADP-ribose) may signal changing metabolic conditions to the chromatin of mammalian cells.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1987, 84, 1286-1289.	3.3	52
10	Comparative characterisation of poly(ADP-ribose) polymerase-1 from two mammalian species with different life span. <i>Experimental Gerontology</i> , 2000, 35, 989-1002.	1.2	52
11	Nuclear matrix associated poly(ADP-ribose) metabolism in regenerating rat liver. <i>FEBS Letters</i> , 1988, 236, 362-366.	1.3	37
12	Dissection of ADP-ribose polymer synthesis into individual steps of initiation, elongation, and branching. <i>Biochimie</i> , 1995, 77, 403-407.	1.3	37
13	Biochemical Characterization of Mono(ADP-ribosyl)ated Poly(ADP-ribose) Polymerase. <i>Biochemistry</i> , 1999, 38, 3948-3953.	1.2	34
14	Poly(ADP-ribose) biosynthesis and suicidal NAD ⁺ depletion following carcinogen exposure of mammalian cells. <i>Biochemical and Biophysical Research Communications</i> , 1986, 138, 1051-1057.	1.0	28
15	Enzymology of ADP-ribose polymer synthesis. <i>Molecular and Cellular Biochemistry</i> , 1994, 138, 33-37.	1.4	28
16	Free Radicals, Oxidative Stress, and DNA Metabolism in Human Cancer. <i>Cancer Investigation</i> , 1999, 17, 376-377.	0.6	26
17	Regulatory mechanisms of poly(ADP-ribose) polymerase. <i>Molecular and Cellular Biochemistry</i> , 1999, 193, 19-22.	1.4	23
18	The 40 kDa Carboxy-terminal Domain of Poly(ADP-ribose) Polymerase-1 Forms Catalytically Competent Homo- and Heterodimers in the Absence of DNA. <i>Journal of Molecular Biology</i> , 2004, 336, 105-114.	2.0	22

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19	A new highly selective physicochemical assay to measure NAD ⁺ in intact cells. <i>Analytical Biochemistry</i> , 1986, 156, 473-480.	1.1	21
20	Metabolic Changes in the Poly(ADP-Ribosyl)ation Pathway of Differentiating Rat Germinal Cells. <i>Archives of Biochemistry and Biophysics</i> , 2000, 381, 111-118.	1.4	16
21	Expression of c-jun and c-fos in Apoptotic Cells After DNA Damage. <i>Cancer Investigation</i> , 2000, 18, 715-721.	0.6	14
22	Synthesis and purification of deoxyribose analogues of NAD ⁺ by affinity chromatography and strong-anion-exchange high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1988, 444, 89-95.	1.8	12
23	Selective probing of ADP-ribosylation reactions with oxidized 2'-deoxynicotinamide adenine dinucleotide. <i>Biochemistry</i> , 1988, 27, 5378-5383.	1.2	12
24	Genomic Maintenance: The p53 Poly(ADP-ribosyl)ation Connection. <i>Science's STKE: Signal Transduction Knowledge Environment</i> , 2007, 2007, pe68.	4.1	12
25	Oligo(3'-deoxyADP-ribosyl)ation of the nuclear matrix lamins from rat liver utilizing 3'-deoxyNAD as a substrate. <i>FEBS Letters</i> , 1990, 277, 88-92.	1.3	11
26	Polynucleosomal Synthesis of Poly(ADP-ribose) Causes Chromatin Unfolding as Determined by Micrococcal Nuclease Digestion. <i>Annals of the New York Academy of Sciences</i> , 2004, 1030, 593-598.	1.8	9
27	Mono(ADP-ribosyl)ation of poly(ADP-ribose) polymerase by cholera toxin. <i>Biochemical and Biophysical Research Communications</i> , 1991, 181, 1412-1418.	1.0	7
28	DeoxyNAD and deoxyADP-ribosylation of proteins. <i>Molecular and Cellular Biochemistry</i> , 1994, 138, 213-219.	1.4	7
29	Chain Length Analysis of ADP-Ribose Polymers Generated by Poly(ADP-Ribose) Polymerase (PARP) as a Function of β -NAD ⁺ and Enzyme Concentrations. <i>IUBMB Life</i> , 2000, 50, 145-149.	1.5	6
30	Characterization of cyclic ADP-ribose and 2-phospho-cyclic-ADP-ribose by 31P NMR spectroscopy. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1997, 7, 581-586.	1.0	5
31	Title is missing!. , 1999, 193, 13-18.		5
32	Biochemical Association of Poly(ADP-ribose) Polymerase-1 and Its Apoptotic Peptide Fragments with DNA Polymerase?. <i>Chemistry and Biodiversity</i> , 2004, 1, 1476-1486.	1.0	5
33	Quantification of Poly(ADP-Ribose) In Vitro: Determination of the ADP-Ribose Chain Length and Branching Pattern. <i>Methods in Molecular Biology</i> , 2011, 780, 35-46.	0.4	5
34	Up-Regulation of Two Distinct p53-DNA Binding Functions by Covalent Poly(ADP-ribosyl)ation: Transactivating and Single Strand Break Sensing. <i>Cancer Investigation</i> , 2013, 31, 563-570.	0.6	4
35	Poly (3-deoxyADP-ribosyl)ation of Proteins in Liver Chromatin Isolated from Rats Fed with Hepatocarcinogens. , 1992, , 149-152.		4
36	Chain Length Analysis of ADP-Ribose Polymers Generated by Poly(ADP-Ribose) Polymerase (PARP) as a Function of β -NAD and Enzyme Concentrations. <i>IUBMB Life</i> , 2000, 50, 145-149.	1.5	3

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37	Functional Interactions of PARP-1 with p53. , 2006, , 61-66.		3
38	Enzymology of ADP-ribose polymer synthesis. , 1994, , 33-37.		2
39	PARP regulation of eukaryotic gene expression. Survival or death?. Trends in Genetics, 2001, 17, 607-608.	2.9	1
40	The Minimum Size That a Protein-Free ADP-Ribose Chain Requires to Precipitate in 20% (w/v) Trichloroacetic Acid Is 14 Units. Analytical Biochemistry, 1997, 247, 452-455.	1.1	0
41	Measurement of poly(ADP-ribose) glycohydrolase activity by high resolution polyacrylamide gel electrophoresis: Specific inhibition by histones and nuclear matrix proteins. , 1999, , 13-18.		0
42	Poly(ADP-Ribosyl)ation of Chromosomal Proteins, Epigenetic Regulation and Human Genomic Integrity in Health and Disease. , 2011, , 411-424.		0
43	In Vitro ADP-Ribosylation Utilizing 2-Deoxy-NAD+ as a Substrate. , 1989, , 53-56.		0
44	Poly(ADP-Ribose) May Signal Changing Metabolic Conditions to the Chromatin of Mammalian Cells. , 1989, , 213-217.		0
45	Proteolytic Degradation of Poly(ADP-ribose)polymerase by Contaminating Proteases in Commercial Preparations of DNase I. , 1992, , 325-328.		0
46	Amino Acid Specific Modification of Poly(ADP-ribose)polymerase with Monomers and Polymers of ADP-ribose. , 1992, , 307-311.		0
47	DeoxyNAD and deoxyADP-ribosylation of proteins. , 1994, , 213-219.		0