Cynthia M Simbulan-Rosenthal

List of Publications by Year
in descending order

63 papers	2,711 citations	218662 26 h-index	175241 52 g-index
64 all docs	64 docs citations	64 times ranked	2629 citing authors

#	Article	IF	Citations
1	Poly(ADP-ribose) polymerase activation mediates 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP)-induced parkinsonism. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 5774-5779.	7.1	365
2	Transient Poly(ADP-ribosyl)ation of Nuclear Proteins and Role of Poly(ADP-ribose) Polymerase in the Early Stages of Apoptosis. Journal of Biological Chemistry, 1998, 273, 13703-13712.	3.4	249
3	The Expression of Poly(ADP-ribose) Polymerase during Differentiation-Linked DNA Replication Reveals That It Is a Component of the Multiprotein DNA Replication Complexâ€. Biochemistry, 1996, 35, 11622-11633.	2.5	133
4	Misregulation of gene expression in primary fibroblasts lacking poly(ADP-ribose) polymerase. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 11274-11279.	7.1	130
5	Roles of poly(ADP-ribosyl)ation and PARP in apoptosis, DNA repair, genomic stability and functions of p53 and E2F-1. Advances in Enzyme Regulation, 2000, 40, 183-215.	2.6	115
6	Sulfur Mustard Induces Markers of Terminal Differentiation and Apoptosis in Keratinocytes Via a Ca2+-Calmodulin and Caspase-Dependent Pathway. Journal of Investigative Dermatology, 1998, 111, 64-71.	0.7	109
7	The E7 protein of human papillomavirus type 16 sensitizes primary human keratinocytes to apoptosis. Oncogene, 1998, 17, 1207-1214.	5.9	101
8	PARP-1 binds E2F-1 independently of its DNA binding and catalytic domains, and acts as a novel coactivator of E2F-1-mediated transcription during re-entry of quiescent cells into Sâ€‰phase. Oncogene, 2003, 22, 8460-8471.	5.9	98
9	Regulation of the Expression or Recruitment of Components of the DNA Synthesome by Poly(ADP-Ribose) Polymerase. Biochemistry, 1998, 37, 9363-9370.	2.5	92
10	Intact Cell Evidence for the Early Synthesis, and Subsequent Late Apopain-Mediated Suppression, of Poly(ADP-ribose) during Apoptosis. Experimental Cell Research, 1997, 232, 313-321.	2.6	80
11	A novel in vivo post-translational modification of p53 by PARP-1 in MPTP-induced parkinsonism. Journal of Neurochemistry, 2002, 83, 186-192.	3.9	75
12	Identification of Poly(ADP-Ribose) Polymerase as a Transcriptional Coactivator of the Human T-Cell Leukemia Virus Type 1 Tax Protein. Journal of Virology, 2000, 74, 2169-2177.	3.4	72
13	Role of DNAS1L3 in Ca2+- and Mg2+-dependent cleavage of DNA into oligonucleosomal and high molecular mass fragments. Nucleic Acids Research, 1999, 27, 1999-2005.	14.5	63
14	Requirement for the Expression of Poly(ADP-ribose) Polymerase during the Early Stages of Differentiation of 3T3-L1 Preadipocytes, as Studied by Antisense RNA Induction. Journal of Biological Chemistry, 1995, 270, 119-127.	3.4	60
15	Expression of Dominant-negative Fas-associated Death Domain Blocks Human Keratinocyte Apoptosis and Vesication Induced by Sulfur Mustard. Journal of Biological Chemistry, 2003, 278, 8531-8540.	3.4	54
16	PARP Determines the Mode of Cell Death in Skin Fibroblasts, but not Keratinocytes, Exposed to Sulfur Mustard. Journal of Investigative Dermatology, 2001, 117, 1566-1573.	0.7	50
17	Sulfur Mustard Induces Apoptosis in Cultured Normal Human Airway Epithelial Cells: Evidence of a Dominant Caspase-8-mediated Pathway and Differential Cellular Responses. Drug and Chemical Toxicology, 2008, 31, 137-148.	2.3	46
18	Poly(ADP-ribosyl)ation of p53 In Vitro and In Vivo Modulates Binding to its DNA Consensus Sequence. Neoplasia, 2001, 3, 179-188.	5.3	45

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19	Calmodulin mediates sulfur mustard toxicity in human keratinocytes. Toxicology, 2006, 227, 21-35.	4.2	45
20	The repurposed anthelmintic mebendazole in combination with trametinib suppresses refractory NRASQ61K melanoma. Oncotarget, 2017, 8, 12576-12595.	1.8	43
21	Poly(ADP-ribose) polymerase upregulates E2F-1 promoter activity and DNA pol Î± expression during early S phase. Oncogene, 1999, 18, 5015-5023.	5.9	40
22	Sequence-Specific Binding of Poly(ADP-Ribose) Polymerase-1 to the Human T Cell Leukemia Virus Type-I Tax Responsive Element. Virology, 2002, 296, 107-116.	2.4	38
23	Rapid Activation of Poly(ADP-ribose) Polymerase Contributes to Sindbis Virus and Staurosporine-Induced Apoptotic Cell Death. Virology, 2002, 293, 164-171.	2.4	35
24	Polyubiquitylation of PARPâ€1 through ubiquitin K48 is modulated by activated DNA, NAD⁺, and dipeptides. Journal of Cellular Biochemistry, 2008, 104, 318-328.	2.6	31
25	Inhibition of poly(ADP-ribose) polymerase activity is insufficient to induce tetraploidy. Nucleic Acids Research, 2001, 29, 841-849.	14.5	28
26	Mechanisms of JP-8 Jet Fuel Cell Toxicity. II. Induction of Necrosis in Skin Fibroblasts and Keratinocytes and Modulation of Levels of Bcl-2 Family Members. Toxicology and Applied Pharmacology, 2001, 171, 107-116.	2.8	27
27	ROCK inhibitor reduces Myc-induced apoptosis and mediates immortalization of human keratinocytes. Oncotarget, 2016, 7, 66740-66753.	1.8	26
28	Sulfur mustard induces apoptosis in lung epithelial cells via a caspase amplification loop. Toxicology, 2010, 271, 94-99.	4.2	25
29	Id2, Id3 and Id4 overcome a Smad7-mediated block in tumorigenesis, generating TGF-Â-independent melanoma. Carcinogenesis, 2014, 35, 951-958.	2.8	25
30	Calmodulin, poly(ADP-ribose)polymerase and p53 are targets for modulating the effects of sulfur mustard. Journal of Applied Toxicology, 2001, 20, S43-S49.	2.8	24
31	Smad7 restricts melanoma invasion by restoring Nâ€cadherin expression and establishing heterotypic cellâ€“cell interactions in vivo. Pigment Cell and Melanoma Research, 2010, 23, 795-808.	3.3	24
32	Pigmentation Diathesis of Hypertrophic Scar: An Examination of Known Signaling Pathways to Elucidate the Molecular Pathophysiology of Injury-Related Dyschromia. Journal of Burn Care and Research, 2019, 40, 58-71.	0.4	24
33	Clonal dominance of CD133+ subset population as risk factor in tumor progression and disease recurrence of human cutaneous melanoma. International Journal of Oncology, 2012, 41, 1570-1576.	3.3	23
34	Implications of genotypic differences in the generation of a urinary metabolomics radiation signature. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2016, 788, 41-49.	1.0	23
35	CRISPR-Cas9 Knockdown and Induced Expression of CD133 Reveal Essential Roles in Melanoma Invasion and Metastasis. Cancers, 2019, 11, 1490.	3.7	23
36	Id3 induces a caspase-3- and -9-dependent apoptosis and mediates UVB sensitization of HPV16 E6/7 immortalized human keratinocytes. Oncogene, 2006, 25, 3649-3660.	5.9	22

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37	Detection of DNA breaks in apoptotic cells utilizing the DNA binding domain of poly(ADP-ribose) polymerase with fluorescence microscopy. Nucleic Acids Research, 1997, 25, 1437-1441.	14.5	21
38	HPV-16 E6/7 Immortalization Sensitizes Human Keratinocytes to Ultraviolet B by Altering the Pathway from Caspase-8 to Caspase-9-dependent Apoptosis. Journal of Biological Chemistry, 2002, 277, 24709-24716.	3.4	21
39	Prolongation of the p53 Response to DNA Strand Breaks in Cells Depleted of PARP by Antisense RNA Expression. Biochemical and Biophysical Research Communications, 1998, 253, 864-868.	2.1	20
40	Id2 protein is selectively upregulated by UVB in primary, but not in immortalized human keratinocytes and inhibits differentiation. Oncogene, 2005, 24, 5443-5458.	5.9	18
41	Sequestration of E12/E47 and suppression of p27KIP1 play a role in Id2-induced proliferation and tumorigenesis. Carcinogenesis, 2009, 30, 1252-1259.	2.8	18
42	Depletion of Nuclear Poly(ADP-ribose) Polymerase by Antisense RNA Expression: Influence on Genomic Stability, Chromatin Organization, DNA Repair, and DNA Replication. Progress in Molecular Biology and Translational Science, 1996, 55, 135-156.	1.9	17
43	Apoptosis induced by ultraviolet B in HPV-immortalized human keratinocytes requires caspase-9 and is death receptor independent. Experimental Dermatology, 2006, 15, 23-34.	2.9	16
44	Inorganic polyphosphates are important for cell survival and motility of human skin keratinocytes. Experimental Dermatology, 2015, 24, 636-639.	2.9	16
45	CD133 Is Associated with Increased Melanoma Cell Survival after Multikinase Inhibition. Journal of Oncology, 2019, 2019, 1-19.	1.3	15
46	UVB upregulates the bax promoter in immortalized human keratinocytes via ROS induction of Id3. Experimental Dermatology, 2009, 18, 387-395.	2.9	14
47	Id3 induces an Elkâ€1â€“caspaseâ€8â€dependent apoptotic pathway in squamous carcinoma cells. Cancer Medicine, 2015, 4, 914-924.	2.8	12
48	Hypopigmented burn hypertrophic scar contains melanocytes that can be signaled to re-pigment by synthetic alpha-melanocyte stimulating hormone in vitro. PLoS ONE, 2021, 16, e0248985.	2.5	12
49	Inorganic polyphosphate in platelet rich plasma accelerates re-epithelialization inÂvitro and inÂvivo. Regenerative Therapy, 2020, 15, 138-148.	3.0	11
50	Inhibitor of differentiationâ€4 (Id4) stimulates pigmentation in melanoma leading to histiocyte infiltration. Experimental Dermatology, 2015, 24, 101-107.	2.9	9
51	Promoter Methylation Status in Pro-opiomelanocortin Does Not Contribute to Dyspigmentation in Hypertrophic Scar. Journal of Burn Care and Research, 2020, 41, 339-346.	0.4	7
52	Inorganic Polyphosphates Are Important for Cell Survival and Motility of Human Skin Keratinocytes and Play a Role in Wound Healing. , 0, , .		5
53	Purification and Characterization of Poly(ADP-Ribosyl)ated DNA Replication/Repair Complexes. Methods in Molecular Biology, 2011, 780, 165-190.	0.9	5
54	Employing CRISPR-Cas9 to Generate CD133 Synthetic Lethal Melanoma Stem Cells. International Journal of Molecular Sciences, 2022, 23, 2333.	4.1	4

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55	Model systems for the study of the role of PADPRP in essential biological processes. Biochimie, 1995, 77, 439-443.	2.6	3
56	A novel chemo-phenotypic method identifies mixtures of salpn, vitamin D3, and pesticides involved in the development of colorectal and pancreatic cancer. Ecotoxicology and Environmental Safety, 2022, 233, 113330.	6.0	2
57	55 Melanocytes in Hypopigmented Burn Scar Can Be Stimulated to Produce Melanin. Journal of Burn Care and Research, 2020, 41, S36-S37.	0.4	1
58	Abstract 4224: CD133 knockdown sensitizes melanoma to kinase inhibitors. , 2015, , .		1
59	Poly(ADP-ribose) polymerase and aging. Advances in Cell Aging and Gerontology, 2001, 4, 113-133.	0.1	0
60	Abstract LB-240: Smad7 blocks melanoma invasion by suppressing n-cadherin cleavage and preserving heterotypic cell-cell interactionsin vivo.. , 2010, , .		0
61	Abstract 5145: Y-27632 inhibits Myc-induced apoptosis and cooperates with Myc to immortalize human keratinocytes. , 2015, , .		0
62	Abstract 2501: Combination therapy with mebendazole, trametinib and metformin eliminates recalcitrant NRASQ61Kmelanoma cells. , 2016, , .		0
63	Abstract 3860: The repurposed anthelmintic mebendazole in combination with trametinib suppresses refractory NRASQ61K melanoma. , 2016, , .		0