

Anna Ivana Scovassi

List of Publications by Citations

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100
papers

4,367
citations

35
h-index

64
g-index

101
ext. papers

4,680
ext. citations

5.3
avg, IF

5.3
L-index

#	Paper	IF	Citations
100	Poly(ADP-ribose) polymerase-1 cleavage during apoptosis: an update. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2002 , 7, 321-8	5.4	538
99	Multiple roles of the cell cycle inhibitor p21(CDKN1A) in the DNA damage response. <i>Mutation Research - Reviews in Mutation Research</i> , 2010 , 704, 12-20	7	299
98	Berberine: new perspectives for old remedies. <i>Biochemical Pharmacology</i> , 2012 , 84, 1260-7	6	287
97	Berberine, an epiphany against cancer. <i>Molecules</i> , 2014 , 19, 12349-67	4.8	158
96	Arylthioindole inhibitors of tubulin polymerization. 3. Biological evaluation, structure-activity relationships and molecular modeling studies. <i>Journal of Medicinal Chemistry</i> , 2007 , 50, 2865-74	8.3	157
95	Anthocyanins induce cell cycle perturbations and apoptosis in different human cell lines. <i>Carcinogenesis</i> , 2004 , 25, 1427-33	4.6	131
94	The cyclin-dependent kinase inhibitors olomoucine and roscovitine arrest human fibroblasts in G1 phase by specific inhibition of CDK2 kinase activity. <i>Experimental Cell Research</i> , 1998 , 245, 8-18	4.2	128
93	Glutathione depletion causes cytochrome c release even in the absence of cell commitment to apoptosis. <i>FASEB Journal</i> , 1999 , 13, 2031-6	0.9	125
92	Poly(ADP-ribose) polymerase cleavage during apoptosis: when and where?. <i>Experimental Cell Research</i> , 2001 , 269, 193-201	4.2	123
91	Poly(ADP-ribosylation) and apoptosis. <i>Molecular and Cellular Biochemistry</i> , 1999 , 199, 125-37	4.2	115
90	Conversation between apoptosis and autophagy: "Is it your turn or mine?". <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2011 , 16, 321-33	5.4	110
89	Poly(ADP-ribose): a signaling molecule in different paradigms of cell death. <i>Biochemical Pharmacology</i> , 2014 , 92, 157-63	6	83
88	Modulation of poly(ADP-ribosylation) in apoptotic cells. <i>Biochemical Pharmacology</i> , 2004 , 68, 1041-7	6	79
87	PARP inhibitors: new tools to protect from inflammation. <i>Biochemical Pharmacology</i> , 2010 , 80, 1869-77	6	73
86	New arylthioindoles and related bioisosteres at the sulfur bridging group. 4. Synthesis, tubulin polymerization, cell growth inhibition, and molecular modeling studies. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 7512-27	8.3	70
85	Human proliferating cell nuclear antigen, poly(ADP-ribose) polymerase-1, and p21waf1/cip1. A dynamic exchange of partners. <i>Journal of Biological Chemistry</i> , 2003 , 278, 39265-8	5.4	70
84	Proliferating cell nuclear antigen bound to DNA synthesis sites: phosphorylation and association with cyclin D1 and cyclin A. <i>Experimental Cell Research</i> , 1994 , 215, 257-62	4.2	63

83	CBP and p300 acetylate PCNA to link its degradation with nucleotide excision repair synthesis. <i>Nucleic Acids Research</i> , 2014 , 42, 8433-48	20.1	60
82	The replication factory targeting sequence/PCNA-binding site is required in G(1) to control the phosphorylation status of DNA ligase I. <i>EMBO Journal</i> , 1999 , 18, 5745-54	13	59
81	Multiparametric staining to identify apoptotic human cells. <i>Experimental Cell Research</i> , 1997 , 234, 174-7	4.2	58
80	Proliferating cell nuclear antigen complex formation induced by ultraviolet irradiation in human quiescent fibroblasts as detected by immunostaining and flow cytometry. <i>Experimental Cell Research</i> , 1993 , 205, 320-5	4.2	57
79	Mitochondrial poly(ADP-ribosylation): from old data to new perspectives. <i>FASEB Journal</i> , 2004 , 18, 1487-89	3.9	51
78	Rearrangement of nuclear ribonucleoprotein (RNP)-containing structures during apoptosis and transcriptional arrest. <i>Biology of the Cell</i> , 2004 , 96, 603-15	3.5	48
77	Interaction of p21(CDKN1A) with PCNA regulates the histone acetyltransferase activity of p300 in nucleotide excision repair. <i>Nucleic Acids Research</i> , 2008 , 36, 1713-22	20.1	47
76	Differential involvement of DNases in HeLa cell apoptosis induced by etoposide and long term-culture. <i>Cell Death and Differentiation</i> , 1999 , 6, 234-44	12.7	46
75	Telomeres, telomerase, and apoptosis. <i>Biochemistry and Cell Biology</i> , 2004 , 82, 498-507	3.6	45
74	Apoptosis-prone phenotype of human colon carcinoma cells with a high level amplification of the c-myc gene. <i>Oncogene</i> , 1999 , 18, 439-48	9.2	45
73	Morphological Features of Organelles during Apoptosis: An Overview. <i>Cells</i> , 2013 , 2, 294-305	7.9	42
72	Preferential perinuclear localization of poly(ADP-ribose) glycohydrolase. <i>Experimental Cell Research</i> , 1999 , 251, 372-8	4.2	42
71	p21CDKN1A participates in base excision repair by regulating the activity of poly(ADP-ribose) polymerase-1. <i>DNA Repair</i> , 2010 , 9, 627-35	4.3	40
70	Enzymatically active forms of reverse transcriptase of the human immunodeficiency virus. <i>AIDS Research and Human Retroviruses</i> , 1988 , 4, 393-8	1.6	40
69	Poly(ADP-ribose) glycohydrolase is present and active in mammalian cells as a 110-kDa protein. <i>Experimental Cell Research</i> , 1999 , 246, 395-8	4.2	39
68	Multiple effects of berberine derivatives on colon cancer cells. <i>BioMed Research International</i> , 2014 , 2014, 924585	3	38
67	The effect of the chemotherapeutic drug VP-16 on poly(ADP-ribosylation) in apoptotic HeLa cells. <i>Carcinogenesis</i> , 1993 , 14, 2559-64	4.6	37
66	Structural analysis of poly(ADP-ribose)polymerase in higher and lower eukaryotes. <i>FEBS Journal</i> , 1986 , 159, 77-84		37

65	Effect of new berberine derivatives on colon cancer cells. <i>Acta Biochimica Et Biophysica Sinica</i> , 2015 , 47, 824-33	2.8	35
64	Poly(ADPR) polymerase-1 and poly(ADPR) glycohydrolase level and distribution in differentiating rat germinal cells. <i>Molecular and Cellular Biochemistry</i> , 2003 , 248, 85-91	4.2	34
63	p300/CBP acetyl transferases interact with and acetylate the nucleotide excision repair factor XPG. <i>DNA Repair</i> , 2012 , 11, 844-52	4.3	33
62	Activation of DNA-degrading enzymes during apoptosis. <i>European Journal of Histochemistry</i> , 2003 , 47, 185-94	2.1	31
61	The antiproliferative effect of beta-carotene requires p21waf1/cip1 in normal human fibroblasts. <i>FEBS Journal</i> , 2000 , 267, 2290-6		31
60	Oxidative, multistep activation of the noncanonical NF-kappaB pathway via disulfide Bcl-3/p50 complex. <i>FASEB Journal</i> , 2009 , 23, 45-57	0.9	27
59	Etoposide induces the dispersal of DNA ligase I from replication factories. <i>Molecular Biology of the Cell</i> , 2001 , 12, 2109-18	3.5	27
58	Changes in activity and mRNA levels of poly(ADP-ribose) polymerase during rat liver regeneration. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1990 , 1087, 241-6		27
57	Congenital disorders sharing oxidative stress and cancer proneness as phenotypic hallmarks: prospects for joint research in pharmacology. <i>Medical Hypotheses</i> , 1998 , 51, 253-66	3.8	26
56	Response of mammalian ADP-ribosyl transferase to lymphocyte stimulation, mutagen treatment and cell cycling. <i>Carcinogenesis</i> , 1987 , 8, 1295-300	4.6	25
55	Manipulation of autophagy in cancer cells: an innovative strategy to fight drug resistance. <i>Future Medicinal Chemistry</i> , 2013 , 5, 1009-21	4.1	24
54	Autoantibodies to poly(ADP-ribose)polymerase in autoimmune diseases. <i>Autoimmunity</i> , 1990 , 6, 203-9	3	22
53	Characterization of stress response in human retinal epithelial cells. <i>Journal of Cellular and Molecular Medicine</i> , 2013 , 17, 103-15	5.6	21
52	Activation of poly(ADP-ribose)polymerase in apoptotic human cells. <i>Biochimie</i> , 1995 , 77, 378-84	4.6	21
51	Structural requirements for inhibitors of poly(ADP-ribose) polymerase. <i>Journal of Cancer Research and Clinical Oncology</i> , 1990 , 116, 615-22	4.9	21
50	Multiple effects of paclitaxel are modulated by a high c-myc amplification level. <i>Experimental Cell Research</i> , 2003 , 290, 49-59	4.2	20
49	Activity gels for analysing DNA processing enzymes. <i>Trends in Genetics</i> , 1986 , 2, 67-72	8.5	20
48	Killing of tumor cells: a drama in two acts. <i>Biochemical Pharmacology</i> , 2011 , 82, 1304-10	6	19

47	Analysis of poly(ADP-ribose) glycohydrolase activity in nuclear extracts from mammalian cells. <i>BBA - Proteins and Proteomics</i> , 1997 , 1338, 60-8		19
46	Poly(ADP-ribose) synthesis: a useful parameter for identifying apoptotic cells. <i>The Histochemical Journal</i> , 1997 , 29, 831-7		19
45	Solution and Solid-State Analysis of Binding of 13-Substituted Berberine Analogues to Human Telomeric G-quadruplexes. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 1107-15	4.5	18
44	Different effects of methotrexate on DNA mismatch repair proficient and deficient cells. <i>European Journal of Cancer</i> , 2001 , 37, 1173-80	7.5	17
43	Induction of apoptotic cell death by DNA topoisomerase II inhibitors. <i>Biochimie</i> , 1995 , 77, 893-9	4.6	17
42	Nuclear association of cyclin D1 in human fibroblasts: tight binding to nuclear structures and modulation by protein kinase inhibitors. <i>Experimental Cell Research</i> , 1997 , 237, 127-34	4.2	16
41	DNA topoisomerase II beta: stability and distribution in different animal cells in comparison to DNA topoisomerase I and II alpha. <i>Experimental Cell Research</i> , 1993 , 206, 128-33	4.2	16
40	A new function for miRNAs as regulators of autophagy. <i>Future Medicinal Chemistry</i> , 2017 , 9, 25-36	4.1	15
39	Poly(ADP-ribosylation) and neurodegenerative disorders. <i>Mitochondrion</i> , 2015 , 24, 56-63	4.9	15
38	Multiple effects of the Na(+)/H (+) antiporter inhibitor HMA on cancer cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2013 , 18, 1586-98	5.4	15
37	Involvement of PARPs in cell death. <i>Frontiers in Bioscience - Elite</i> , 2014 , 6, 308-17	1.6	15
36	2-Methoxyestradiol: new perspectives in colon carcinoma treatment. <i>Molecular and Cellular Endocrinology</i> , 2011 , 331, 119-28	4.4	15
35	Changes of mitochondria and relocation of the apoptosis-inducing factor during apoptosis. <i>Annals of the New York Academy of Sciences</i> , 2009 , 1171, 12-7	6.5	15
34	DNA ligase I is dephosphorylated during the execution step of etoposide-induced apoptosis. <i>Cell Death and Differentiation</i> , 2002 , 9, 89-90	12.7	15
33	DNA-topoisomerase I activity and content in epithelial ovarian cancer. <i>Annals of Oncology</i> , 1998 , 9, 313-9	10.3	15
32	Biological effects of a new vacuolar-H ₂ O ₇ -ATPase inhibitor in colon carcinoma cell lines. <i>Annals of the New York Academy of Sciences</i> , 2009 , 1171, 606-16	6.5	14
31	Study of the effects of a new pyrazolecarboxamide: changes in mitochondria and induction of apoptosis. <i>International Journal of Biochemistry and Cell Biology</i> , 2009 , 41, 1890-8	5.6	14
30	Drug treatment of cancer cell lines: a way to select for cancer stem cells?. <i>Cancers</i> , 2011 , 3, 1111-28	6.6	13

29	Enzyme-assisted photosensitization activates different apoptotic pathways in Rose Bengal acetate treated HeLa cells. <i>Histochemistry and Cell Biology</i> , 2009 , 131, 391-9	2.4	12
28	Cross-analysis of gene and miRNA genome-wide expression profiles in human fibroblasts at different stages of transformation. <i>OMICS A Journal of Integrative Biology</i> , 2012 , 16, 24-36	3.8	11
27	Search for cellular stress biomarkers in lymphocytes from patients with multiple sclerosis: a pilot study. <i>PLoS ONE</i> , 2012 , 7, e44935	3.7	11
26	Regulation of poly(ADP-ribose) polymerase-1 functions by leukocyte elastase inhibitor/LEI-derived DNase II during caspase-independent apoptosis. <i>International Journal of Biochemistry and Cell Biology</i> , 2009 , 41, 1046-54	5.6	11
25	Role of c-myc protein in hormone refractory prostate carcinoma: cellular response to paclitaxel. <i>Biochemical Pharmacology</i> , 2004 , 68, 923-31	6	11
24	Poly(ADP-ribosylation) and neoplastic transformation: effect of PARP inhibitors. <i>Current Pharmaceutical Biotechnology</i> , 2013 , 14, 524-36	2.6	11
23	3D Silicon Microstructures: A New Tool for Evaluating Biological Aggressiveness of Tumor Cells. <i>IEEE Transactions on Nanobioscience</i> , 2015 , 14, 797-805	3.4	10
22	A new cell-selective three-dimensional microincubator based on silicon photonic crystals. <i>PLoS ONE</i> , 2012 , 7, e48556	3.7	10
21	Arylthioindoles: Promising compounds against cancer cell proliferation. <i>Oncology Letters</i> , 2010 , 1, 109-112	2.6	10
20	Dynamic relocation of nuclear proteins during the execution phase of apoptosis. <i>Biochemical Pharmacology</i> , 2008 , 76, 1440-50	6	10
19	The antimicrobial peptide PR-39 has a protective effect against HeLa cell apoptosis. <i>Chemical Biology and Drug Design</i> , 2007 , 70, 154-7	2.9	10
18	Regulated forms of cell death are induced by the photodynamic action of the fluorogenic substrate, Hypocrellin B-acetate. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013 , 125, 90-7	6.7	7
17	Different effects of tert-butylhydroperoxide-induced peroxynitrite-dependent and -independent DNA single-strand breakage on PC12 cell poly(ADP-ribose) polymerase activity. <i>FEBS Journal</i> , 2001 , 268, 5223-8		7
16	In vitro induction of H1-H1 histone cross-linking by adenosine diphosphate-ribose polymers. <i>Biochemistry</i> , 2000 , 39, 10413-8	3.2	7
15	Oxidative stress response in telomerase-immortalized fibroblasts from a centenarian. <i>Annals of the New York Academy of Sciences</i> , 2006 , 1091, 94-101	6.5	6
14	Autoantibodies to poly(ADP-ribose) polymerase in centenarians: a reappraisal of Grabar's hypothesis. <i>Gerontology</i> , 2009 , 55, 427-9	5.5	5
13	Leukocyte elastase inhibitor: a new regulator of PARP-1. <i>Annals of the New York Academy of Sciences</i> , 2009 , 1171, 25-31	6.5	5
12	Distribution of centromeric proteins and PARP-1 during mitosis and apoptosis. <i>Annals of the New York Academy of Sciences</i> , 2009 , 1171, 32-7	6.5	5

11	Nuclear binding of cell cycle-related proteins: cyclin A versus proliferating cell nuclear antigen (PCNA). <i>Biochimie</i> , 1995 , 77, 888-92	4.6	5
10	Effect of paclitaxel on intracellular localization of c-Myc and P-c-Myc in prostate carcinoma cell lines. <i>Annals of the New York Academy of Sciences</i> , 2007 , 1095, 175-81	6.5	4
9	The basal and the mutagen-induced levels of ADP-ribosyl transferase activity are not modified in Fanconi's anemia cells. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1989 , 225, 65-9		4
8	Occurrence of apoptosis in serosa of <i>Periplaneta americana</i> l. (Blattaria: blattidae): ultrastructural and biochemical features. <i>Journal of Insect Physiology</i> , 1997 , 43, 999-1008	2.4	2
7	Evidence of poly(ADP-ribosylation) in the cockroach <i>Periplaneta americana</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2000 , 30, 1045-50	4.5	2
6	Involvement of PARPs in cell death. <i>Frontiers in Bioscience - Elite</i> , 2014 , 6, 308-317	1.6	1
5	Expression of antioxidant defense and poly(ADP-ribose) polymerase-1 in rat developing Sertoli cells. <i>Cell Biology International</i> , 2011 , 35, 883-9	4.5	1
4	Prognostic significance of adenosine deaminase determinations in subjects with the lymphadenopathy syndrome. <i>Journal of Medical Virology</i> , 1988 , 24, 413-22	19.7	1
3	An Innovative Cell Microincubator for Drug Discovery Based on 3D Silicon Structures. <i>Journal of Nanomaterials</i> , 2016 , 2016, 1-10	3.2	1
2	Loss of histone H2AX increases sensitivity of immortalized mouse fibroblasts to the topoisomerase II inhibitor etoposide 1992 , 33, 613		
1	Sequence analysis of heteropolymeric DNA synthesized in vitro by the enzyme terminal deoxynucleotidyl transferase and cloned in <i>Escherichia coli</i> . <i>Nucleic Acids Research</i> , 1982 , 10, 6401-10	20.1	