

Zbigniew Darzynkiewicz

List of Publications by Year in descending order

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509
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6613

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13379

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517
all docs

517
docs citations

517
times ranked

23122
citing authors

#	ARTICLE	IF	CITATIONS
1	Cytometry in cell necrobiology: Analysis of apoptosis and accidental cell death (necrosis). <i>Cytometry</i> , 1997, 27, 1-20.	1.8	1,031
2	A Selective Procedure for DNA Extraction from Apoptotic Cells Applicable for Gel Electrophoresis and Flow Cytometry. <i>Analytical Biochemistry</i> , 1994, 218, 314-319.	2.4	634
3	Presence of DNA Strand Breaks and Increased Sensitivity of DNA in Situ to Denaturation in Abnormal Human Sperm Cells: Analogy to Apoptosis of Somatic Cells. <i>Experimental Cell Research</i> , 1993, 207, 202-205.	2.6	431
4	Apoptosis and Beyond: Cytometry in Studies of Programmed Cell Death. <i>Methods in Cell Biology</i> , 2011, 103, 55-98.	1.1	339
5	Cell cycle dependent expression and stability of the nuclear protein detected by Ki67 antibody in HL60 cells. <i>Cell Proliferation</i> , 1992, 25, 31-40.	5.3	327
6	New cell cycle compartments identified by multiparameter flow cytometry. <i>Cytometry</i> , 1980, 1, 98-108.	1.8	310
7	Chapter 2 Assays of Cell Viability: Discrimination of Cells Dying by Apoptosis. <i>Methods in Cell Biology</i> , 1994, 41, 15-38.	1.1	289
8	Laser-Scanning Cytometry: A New Instrumentation with Many Applications. <i>Experimental Cell Research</i> , 1999, 249, 1-12.	2.6	289
9	Down-regulation of a serine protease, myeloblastin, causes growth arrest and differentiation of promyelocytic leukemia cells. <i>Cell</i> , 1989, 59, 959-968.	28.9	286
10	Accessibility of DNA in situ to various fluorochromes: Relationship to chromatin changes during erythroid differentiation of friend leukemia cells. <i>Cytometry</i> , 1984, 5, 355-363.	1.8	263
11	Discontinuous fragmentation of nuclear DNA during apoptosis revealed by discrete G1 peaks on DNA content histograms. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2007, 71A, 125-131.	1.5	256
12	Activation of Caspases Measured in Situ by Binding of Fluorochrome-Labeled Inhibitors of Caspases (FLICA): Correlation with DNA Fragmentation. <i>Experimental Cell Research</i> , 2000, 259, 308-313.	2.6	253
13	Analysis of apoptosis by laser scanning cytometry. <i>Cytometry</i> , 1999, 35, 181-195.	1.8	245
14	Flow cytometric detection of apoptosis: Comparison of the assays of in situ DNA degradation and chromatin changes. <i>Cytometry</i> , 1994, 15, 237-244.	1.8	241
15	Histone H3 phosphorylation and expression of cyclins A and B1 measured in individual cells during their progression through G2 and mitosis. <i>Cytometry</i> , 1998, 32, 71-77.	1.8	229
16	Thermal denaturation of DNA in situ as studied by acridine orange staining and automated cytofluorometry. <i>Experimental Cell Research</i> , 1975, 90, 411-428.	2.6	224
17	Licochalcone-A, a novel flavonoid isolated from licorice root (<i>Glycyrrhiza glabra</i>), causes G2 and late-G1 arrests in androgen-independent PC-3 prostate cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2004, 322, 263-270.	2.1	214
18	Labelling DNA strand breaks with BrdUTP. Detection of apoptosis and cell proliferation. <i>Cell Proliferation</i> , 1995, 28, 571-579.	5.3	213

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19	Flow Cytometry-Based Apoptosis Detection. <i>Methods in Molecular Biology</i> , 2009, 559, 19-32.	0.9	208
20	Flow cytometry in analysis of cell cycle and apoptosis. <i>Seminars in Hematology</i> , 2001, 38, 179-193.	3.4	207
21	Mechanisms of chemotherapy-induced human ovarian aging: double strand DNA breaks and microvascular compromise. <i>Aging</i> , 2011, 3, 782-793.	3.1	206
22	Segregation of RNA and Separate Packaging of DNA and RNA in Apoptotic Bodies during Apoptosis. <i>Experimental Cell Research</i> , 2000, 260, 248-256.	2.6	202
23	Constitutive Histone H2AX Phosphorylation and ATM Activation, the Reporters of DNA Damage by Endogenous Oxidants. <i>Cell Cycle</i> , 2006, 5, 1940-1945.	2.6	194
24	Cytometry of cyclin proteins. , 1996, 25, 1-13.		191
25	The S-phase cytotoxicity of camptothecin. <i>Experimental Cell Research</i> , 1991, 193, 27-35.	2.6	189
26	Analysis of apoptosis by cytometry using TUNEL assay. <i>Methods</i> , 2008, 44, 250-254.	3.8	189
27	Cytometry of ATM activation and histone H2AX phosphorylation to estimate extent of DNA damage induced by exogenous agents. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2007, 71A, 648-661.	1.5	187
28	Chapter 27 Differential Staining of DNA and RNA in Intact Cells and Isolated Cell Nuclei with Acridine Orange. <i>Methods in Cell Biology</i> , 1990, 33, 285-298.	1.1	178
29	Cytometric assessment of DNA damage in relation to cell cycle phase and apoptosis. <i>Cell Proliferation</i> , 2005, 38, 223-243.	5.3	177
30	Assessment of histone H2AX phosphorylation induced by DNA topoisomerase I and II inhibitors topotecan and mitoxantrone and by the DNA cross-linking agent cisplatin. <i>Cytometry</i> , 2004, 58A, 99-110.	1.8	171
31	Single-step procedure for labeling DNA strand breaks with fluorescein- or Bodipy-conjugated deoxynucleotides: Detection of apoptosis and bromodeoxyuridine incorporation. <i>Cytometry</i> , 1995, 20, 172-180.	1.8	170
32	Flow cytometry of breast carcinoma: I. Relation of DNA ploidy level to histology and estrogen receptor. <i>Cancer</i> , 1981, 48, 980-984.	4.1	168
33	Chapter 12 Lysosomal Proton Pump Activity: Supravital Cell Staining with Acridine Orange Differentiates Leukocyte Subpopulations. <i>Methods in Cell Biology</i> , 1994, 41, 185-194.	1.1	168
34	Conformation of RNA in situ as studied by acridine orange staining and automated cytofluorometry. <i>Experimental Cell Research</i> , 1975, 95, 143-153.	2.6	164
35	BUBR1 deficiency results in abnormal megakaryopoiesis. <i>Blood</i> , 2003, 103, 1278-1285.	1.4	159
36	Purinergic signaling regulates neural progenitor cell expansion and neurogenesis. <i>Developmental Biology</i> , 2007, 302, 356-366.	2.0	158

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37	Histone deacetylase inhibitors all induce p21 but differentially cause tubulin acetylation, mitotic arrest, and cytotoxicity. <i>Molecular Cancer Therapeutics</i> , 2002, 1, 937-41.	4.1	153
38	Cell heterogeneity during the cell cycle. <i>Journal of Cellular Physiology</i> , 1982, 113, 465-474.	4.1	148
39	Correlation between cell cycle duration and RNA content. <i>Journal of Cellular Physiology</i> , 1979, 100, 425-438.	4.1	143
40	Heme Oxygenase-1 Attenuates Glucose-Mediated Cell Growth Arrest and Apoptosis in Human Microvessel Endothelial Cells. <i>Circulation Research</i> , 2003, 93, 507-514.	4.5	142
41	Interactions of a new antitumor agent, 1,4-dihydroxy-5,8-bis[[2-[(2-hydroxyethyl)amino]ethyl]amino]-9,10-anthracenedione, with nucleic acids. <i>Biochemical Pharmacology</i> , 1981, 30, 231-240.	4.4	141
42	Analysis of Cellular DNA Content by Flow and Laser Scanning Cytometry. <i>Advances in Experimental Medicine and Biology</i> , 2010, 676, 137-147.	1.6	137
43	Activation-Induced Expression of Human Programmed Death-1 Gene in T-Lymphocytes. <i>Experimental Cell Research</i> , 1997, 232, 25-28.	2.6	133
44	Apoptosis in antitumor strategies: Modulation of cell cycle or differentiation. <i>Journal of Cellular Biochemistry</i> , 1995, 58, 151-159.	2.6	129
45	Detection of caspases activation by fluorochrome-labeled inhibitors: Multiparameter analysis by laser scanning cytometry. <i>Cytometry</i> , 2001, 44, 73-82.	1.8	129
46	Cell Cycle Arrest and Apoptosis Induced by Human Polo-Like Kinase 3 Is Mediated through Perturbation of Microtubule Integrity. <i>Molecular and Cellular Biology</i> , 2002, 22, 3450-3459.	2.3	120
47	An approach to diagnosis of T-cell lymphoproliferative disorders by flow cytometry. <i>Cytometry</i> , 2002, 50, 177-190.	1.8	119
48	Interactions of antitumor agents ametantrone—Trade name for the salt of 1,4-bis[[2-[(2-hydroxyethyl)amino]ethyl]amino]-9,10-anthracenedione (Fig. 1, I). Abbreviations: HAQ, ANT; NSC-287513. and mitoxantrone (novatrone)â€”Trade name for the salt of 1,4-dihydroxy-5,8-bis[[2-[(2-hydroxyethyl)amino]ethyl]amino]-9,10-anthracenedione (Fig. 1, II). Abbreviation: DHAQ; NSC-279836 and NSC-301739. with double-stranded DNA. <i>Biochemical Pharmacology</i> , 1985, 34, 4203-4213.	4.4	118
49	Cleavage of Poly(ADP-Ribose) Polymerase Measured in Situ in Individual Cells: Relationship to DNA Fragmentation and Cell Cycle Position during Apoptosis. <i>Experimental Cell Research</i> , 2000, 255, 125-132.	2.6	116
50	ERâ€”Golgi networkâ€”A future target for anti-cancer therapy. <i>Leukemia Research</i> , 2009, 33, 1440-1447.	0.8	115
51	Detection of Apoptosis and DNA Replication by Differential Labeling of DNA Strand Breaks with Fluorochromes of Different Color. <i>Experimental Cell Research</i> , 1996, 222, 28-37.	2.6	113
52	sSgo1, a Major Splice Variant of Sgo1, Functions in Centriole Cohesion Where It Is Regulated by Plk1. <i>Developmental Cell</i> , 2008, 14, 331-341.	7.0	113
53	Telomere Shortening Is an in Vivo Marker of Myocyte Replication and Aging. <i>American Journal of Pathology</i> , 2000, 156, 813-819.	3.8	112
54	Cytometric Assessment of Histone H2AX Phosphorylation. <i>Methods in Molecular Biology</i> , 2006, 314, 73-80.	0.9	110

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55	Histone H2AX Phosphorylation after Cell Irradiation with UV-B: Relationship to Cell Cycle Phase and Induction of Apoptosis. <i>Cell Cycle</i> , 2005, 4, 338-344.	2.6	108
56	Assessment of DNA double-strand breaks and γ H2AX induced by the topoisomerase II poisons etoposide and mitoxantrone. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2008, 641, 43-47.	1.0	106
57	Ribonucleases as potential modalities in anticancer therapy. <i>European Journal of Pharmacology</i> , 2009, 625, 181-189.	3.5	105
58	Onconase and Amphinase, the Antitumor Ribonucleases from <i>Rana pipiens</i> Oocytes. <i>Current Pharmaceutical Biotechnology</i> , 2008, 9, 215-225.	1.6	104
59	CD4 engagement induces Fas antigen-dependent apoptosis of T cells in vivo. <i>European Journal of Immunology</i> , 1994, 24, 1549-1552.	2.9	102
60	Flow cytometry of colorectal carcinoma with three-year follow-up. <i>Diseases of the Colon and Rectum</i> , 1986, 29, 184-186.	1.3	100
61	Comparison of human and mouse sperm chromatin structure by flow cytometry. <i>Chromosoma</i> , 1980, 78, 225-238.	2.2	98
62	DNA Damage Induced by DNA Topoisomerase I- and Topoisomerase II- Inhibitors Detected by Histone H2AX phosphorylation in Relation to the Cell Cycle Phase and Apoptosis. <i>Cell Cycle</i> , 2003, 2, 613-618.	2.6	95
63	Luminescence of the solid complexes of acridine orange with RNA. <i>Cytometry</i> , 1982, 2, 201-211.	1.8	95
64	Contribution of p16INK4a and p21CIP1 pathways to induction of premature senescence of human endothelial cells: permissive role of p53. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 290, H1575-H1586.	3.2	95
65	Induction of ATM Activation, Histone H2AX Phosphorylation and Apoptosis by Etoposide: Relation to Cell Cycle Phase. <i>Cell Cycle</i> , 2007, 6, 371-376.	2.6	94
66	Effects of the flavonoid baicalin and its metabolite baicalein on androgen receptor expression, cell cycle progression and apoptosis of prostate cancer cell lines. <i>Cell Proliferation</i> , 2001, 34, 293-304.	5.3	93
67	Telomerase expression and activity are coupled with myocyte proliferation and preservation of telomeric length in the failing heart. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 8626-8631.	7.1	92
68	Apoptotic Cell Death During Treatment of Leukemias. <i>Leukemia and Lymphoma</i> , 1994, 13, 65-70.	1.3	87
69	Effect of connective tissue intercellular matrix on lymphocyte stimulation. <i>Experimental Cell Research</i> , 1971, 66, 113-123.	2.6	86
70	Flow Cytometry in Bladder Cancer Detection and Evaluation Using Acridine Orange Metachromatic Nucleic Acid Staining of Irrigation Cytology Specimens. <i>Journal of Urology</i> , 1980, 123, 478-485.	0.4	86
71	Activation of nuclear factor kappa B (NF- κ B) assayed by laser scanning cytometry (LSC). , 1998, 33, 376-382.		86
72	Potential anti-aging agents suppress the level of constitutive mTOR- and DNA damage- signaling. <i>Aging</i> , 2012, 4, 952-965.	3.1	86

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73	Flow cytometry of breast carcinoma: II. Relation of tumor cell cycle distribution to histology and estrogen receptor. <i>Cancer</i> , 1981, 48, 985-988.	4.1	85
74	Detection of apoptosis-associated DNA strand breaks in fine-needle aspiration biopsies by in situ end labeling of fragmented DNA. <i>Cytometry</i> , 1994, 15, 169-175.	1.8	84
75	Chapter 24 Difficulties and pitfalls in analysis of apoptosis. <i>Methods in Cell Biology</i> , 2001, 63, 527-546.	1.1	84
76	Cyclotherapy: Protection of Normal Cells and Unshielding of Cancer Cells. <i>Cell Cycle</i> , 2002, 1, 375-382.	2.6	84
77	Analysis of Cellular DNA Content by Flow Cytometry. <i>Current Protocols in Immunology</i> , 2004, 60, Unit 5.7.	3.6	84
78	Comparison of methods based on annexin-V binding, DNA content or TUNEL for evaluating cell death in HL-60 and adherent MCF-7 cells. <i>Cell Proliferation</i> , 1999, 32, 25-37.	5.3	83
79	Cytometry of the cell cycle: Cycling through history. <i>Cytometry</i> , 2004, 58A, 21-32.	1.8	82
80	Effect of n-butyrate on cell cycle progression and in situ chromatin structure of L1210 cells. <i>Experimental Cell Research</i> , 1981, 136, 279-293.	2.6	81
81	The concentration-dependent diversity of effects of DNA topoisomerase I and II inhibitors on the cell cycle of HL-60 cells*1. <i>Experimental Cell Research</i> , 1991, 195, 485-491.	2.6	81
82	Different patterns of apoptosis of HL-60 cells induced by cycloheximide and camptothecin. <i>Journal of Cellular Physiology</i> , 1993, 157, 263-270.	4.1	81
83	Changes in nuclear chromatin related to apoptosis or necrosis induced by the DNA topoisomerase II inhibitor fostriecin in MOLT-4 and HL-60 cells are revealed by altered DNA sensitivity to denaturation. <i>Experimental Cell Research</i> , 1992, 201, 184-191.	2.6	80
84	Apoptotic cell death triggered by camptothecin or teniposide. The cell cycle specificity and effects of ionizing radiation. <i>Cell Proliferation</i> , 1992, 25, 537-548.	5.3	79
85	Intercalating agents with covalent bond forming capability. A novel type of potential anticancer agents. 2. Derivatives of chrysophanol and emodin. <i>Journal of Medicinal Chemistry</i> , 1989, 32, 1594-1599.	6.4	78
86	Cytometric Analysis of DNA Damage: Phosphorylation of Histone H2AX as a Marker of DNA Double-Strand Breaks (DSBs). <i>Methods in Molecular Biology</i> , 2009, 523, 161-168.	0.9	77
87	Flow cytometry in analysis of cell cycle and apoptosis. <i>Seminars in Hematology</i> , 2001, 38, 179-193.	3.4	77
88	Cytometry in cell necrobiology revisited. Recent advances and new vistas. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2010, 77A, 591-606.	1.5	76
89	ASB-2 Inhibits Growth and Promotes Commitment in Myeloid Leukemia Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 218-224.	3.4	75
90	Assay of caspase activation in situ combined with probing plasma membrane integrity to detect three distinct stages of apoptosis. <i>Journal of Immunological Methods</i> , 2002, 265, 111-121.	1.4	75

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91	Assessment of ATM phosphorylation on Ser-1981 induced by DNA topoisomerase I and II inhibitors in relation to Ser-139-histone H2AX phosphorylation, cell cycle phase, and apoptosis. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2005, 68A, 1-9.	1.5	75
92	Exposure of cells to static magnetic field accelerates loss of integrity of plasma membrane during apoptosis. <i>Cytometry</i> , 2002, 49, 113-118.	1.8	72
93	Increased sensitivity of lymphocytes from people over 65 to cell cycle arrest and chromosomal damage. <i>Science</i> , 1983, 219, 1335-1337.	12.6	70
94	Interactions of Acridine Orange with Double Stranded Nucleic Acids. Spectral and Affinity Studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 1987, 5, 127-143.	3.5	70
95	Synchronization in the cell cycle by inhibitors of DNA replication induces histone H2AX phosphorylation: an indication of DNA damage. <i>Cell Proliferation</i> , 2006, 39, 231-240.	5.3	70
96	BubR1 is involved in regulation of DNA damage responses. <i>Oncogene</i> , 2006, 25, 3598-3605.	5.9	70
97	Cytostatic and Cytotoxic Effects of Pannon (P α 30 Protein), A Novel Anticancer Agent. <i>Cell Proliferation</i> , 1988, 21, 169-182.	5.3	69
98	Cytometric assessment of DNA damage by exogenous and endogenous oxidants reports aging-related processes. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2007, 71A, 905-914.	1.5	69
99	Interactions of acridine orange with nucleic acids. <i>Biochemical Pharmacology</i> , 1983, 32, 3679-3694.	4.4	67
100	Synergism between a novel amphibian oocyte ribonuclease and lovastatin in inducing cytostatic and cytotoxic effects in human lung and pancreatic carcinoma cell lines. <i>British Journal of Cancer</i> , 1992, 66, 304-310.	6.4	67
101	Analysis of Apoptotic Cells by Flow and Laser Scanning Cytometry. <i>Methods in Enzymology</i> , 2000, 322, 18-39.	1.0	67
102	Epoxyeicosatrienoic Acids Regulate Adipocyte Differentiation of Mouse 3T3 Cells, Via PGC-1 β Activation, Which Is Required for HO-1 Expression and Increased Mitochondrial Function. <i>Stem Cells and Development</i> , 2016, 25, 1084-1094.	2.1	67
103	Critical aspects in the analysis of apoptosis and necrosis. <i>Human Cell</i> , 1998, 11, 3-12.	2.7	67
104	DNA damage induced by DNA topoisomerase I- and topoisomerase II-inhibitors detected by histone H2AX phosphorylation in relation to the cell cycle phase and apoptosis. <i>Cell Cycle</i> , 2003, 2, 614-9.	2.6	67
105	Analysis of a cell cycle model based on unequal division of metabolic constituents to daughter cells during cytokinesis. <i>Journal of Theoretical Biology</i> , 1984, 110, 637-664.	1.7	66
106	Cytotoxic Ribonucleases and RNA Interference (RNAi). <i>Cell Cycle</i> , 2003, 2, 22-24.	2.6	66
107	Chromatin condensation and sensitivity of DNA in situ to denaturation during cell cycle and apoptosis – a confocal microscopy study. <i>Micron</i> , 2001, 32, 645-652.	2.2	65
108	SYTO probes in the cytometry of tumor cell death. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2008, 73A, 496-507.	1.5	65

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109	Induction of DNA damage response by the supravital probes of nucleic acids. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2009, 75A, 510-519.	1.5	65
110	Impaired DNA damage response – An Achilles' heel sensitizing cancer to chemotherapy and radiotherapy. <i>European Journal of Pharmacology</i> , 2009, 625, 143-150.	3.5	64
111	Determining Cell Cycle Stages by Flow Cytometry. <i>Current Protocols in Cell Biology</i> , 1999, 1, Unit 8.4.	2.3	63
112	Polo-like kinase 3 is Golgi localized and involved in regulating Golgi fragmentation during the cell cycle. <i>Experimental Cell Research</i> , 2004, 294, 51-59.	2.6	63
113	Constitutive histone H2AX phosphorylation and ATM activation are strongly amplified during mitogenic stimulation of lymphocytes. <i>Cell Proliferation</i> , 2007, 40, 1-13.	5.3	63
114	Upregulation of PD-L1 expression by resveratrol and piceatannol in breast and colorectal cancer cells occurs via HDAC3/p300-mediated NF- κ B signaling. <i>International Journal of Oncology</i> , 2018, 53, 1469-1480.	3.3	63
115	Changes in deoxyribonucleoprotein during spermiogenesis in the bull. <i>Experimental Cell Research</i> , 1970, 62, 204-218.	2.6	62
116	Laser scanning cytometry distinguishes lymphocytes, monocytes, and granulocytes by differences in their chromatin structure. <i>Cytometry</i> , 1997, 29, 191-196.	1.8	62
117	Laser Scanning Cytometry. <i>Methods in Molecular Biology</i> , 2006, 319, 165-192.	0.9	61
118	Effects of organic and inorganic selenium compounds on rat mammary tumor cells. <i>International Journal of Cancer</i> , 1995, 63, 428-434.	5.1	60
119	Downregulation of uPAR inhibits migration, invasion, proliferation, FAK/PI3K/Akt signaling and induces senescence in papillary thyroid carcinoma cells. <i>Cell Cycle</i> , 2011, 10, 100-107.	2.6	60
120	Expression of G ₁ and G ₂ cyclins measured in individual cells by multiparameter flow cytometry: a new tool in the analysis of the cell cycle. <i>Cell Proliferation</i> , 1994, 27, 357-371.	5.3	59
121	Translocation of Bax to mitochondria during apoptosis measured by laser scanning cytometry. <i>Cytometry</i> , 2000, 41, 83-88.	1.8	59
122	Caffeine dissociates complexes between DNA and intercalating dyes: Application for bleaching fluorochrome-stained cells for their subsequent restaining and analysis by laser scanning cytometry. <i>Cytometry</i> , 2001, 43, 38-45.	1.8	59
123	ATM activation and histone H2AX phosphorylation as indicators of DNA damage by DNA topoisomerase I inhibitor topotecan and during apoptosis. <i>Cell Proliferation</i> , 2006, 39, 49-60.	5.3	59
124	Initiation and termination of DNA replication during S phase in relation to cyclins D1, E and A, p21WAF1, Cdt1 and the p12 subunit of DNA polymerase δ revealed in individual cells by cytometry. <i>Oncotarget</i> , 2015, 6, 11735-11750.	1.8	59
125	Histone H2AX phosphorylation after cell irradiation with UV-B: relationship to cell cycle phase and induction of apoptosis. <i>Cell Cycle</i> , 2005, 4, 339-45.	2.6	59
126	Changes in cell nuclei during S Phase: Progressive chromatin condensation and altered expression of the proliferation-associated nuclear proteins Ki-67, cyclin (PCNA), p105, and p34 ¹ . <i>Experimental Cell Research</i> , 1991, 196, 99-106.	2.6	58

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127	Chapter 26 Simultaneous Analysis of Cellular RNA and DNA Content. <i>Methods in Cell Biology</i> , 1994, 41, 401-420.	1.1	58
128	During Apoptosis of HL-60 and U-937 Cells Caspases Are Activated Independently of Dissipation of Mitochondrial Electrochemical Potential. <i>Experimental Cell Research</i> , 2000, 257, 290-297.	2.6	58
129	Discrimination of cycling and non-cycling lymphocytes by BUdR-suppressed acridine orange fluorescence in a flow cytometric system. <i>Experimental Cell Research</i> , 1978, 115, 31-35.	2.6	57
130	Specific Proteases of the Rat Mast Cell. <i>Nature</i> , 1967, 213, 1198-1202.	27.8	56
131	Application of pyronin Y(G) in cytochemistry of nucleic acids. <i>Cytometry</i> , 1987, 8, 138-145.	1.8	56
132	Polo Box Domain of Plk3 Functions as a Centrosome Localization Signal, Overexpression of Which Causes Mitotic Arrest, Cytokinesis Defects, and Apoptosis. <i>Journal of Biological Chemistry</i> , 2006, 281, 10577-10582.	3.4	56
133	DNA Content Measurement for DNA Ploidy and Cell Cycle Analysis. <i>Current Protocols in Cytometry</i> , 1997, 00, Unit 7.5.	3.7	55
134	Berberine suppresses gero-conversion from cell cycle arrest to senescence. <i>Aging</i> , 2013, 5, 623-636.	3.1	55
135	Discrimination of G2 and Mitotic Cells by Flow Cytometry Based on Different Expression of Cyclins A and B1. <i>Experimental Cell Research</i> , 1995, 220, 226-231.	2.6	54
136	Laser Scanning Cytometry in Pathology of Solid Tumors. <i>Acta Cytologica</i> , 1997, 41, 98-108.	1.3	54
137	Effects of hydroxyurea and aphidicolin on phosphorylation of ataxia telangiectasia mutated on Ser 1981 and histone H2AX on Ser 139 in relation to cell cycle phase and induction of apoptosis. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2006, 69A, 212-221.	1.5	54
138	Phosphorylation of p53 on Ser15 during cell cycle and caused by Topo I and Topo II inhibitors in relation to ATM and Chk2 activation. <i>Cell Cycle</i> , 2008, 7, 3048-3055.	2.6	54
139	DNA damage response induced by tobacco smoke in normal human bronchial epithelial and A549 pulmonary adenocarcinoma cells assessed by laser scanning cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2009, 75A, 840-847.	1.5	54
140	Rationale for the real-time and dynamic cell death assays using propidium iodide. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2010, 77A, 399-405.	1.5	54
141	DNA damage signaling, impairment of cell cycle progression, and apoptosis triggered by 5-ethynyl-2-deoxyuridine incorporated into DNA. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2013, 83, 979-988.	1.5	54
142	The Schrödinger's Cat Quandary in Cell Biology: Integration of Live Cell Functional Assays with Measurements of Fixed Cells in Analysis of Apoptosis. <i>Experimental Cell Research</i> , 1999, 249, 404-412.	2.6	53
143	Paclitaxel Induces Primary and Postmitotic G1 Arrest in Human Arterial Smooth Muscle Cells. <i>Cell Cycle</i> , 2004, 3, 1048-1054.	2.6	53
144	Nuclear chromatin changes during erythroid differentiation of friend virus induced leukemic cells. <i>Experimental Cell Research</i> , 1976, 99, 301-309.	2.6	52

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145	Cytometry of DNA replication and RNA synthesis: Historical perspective and recent advances based on "click chemistry". Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2011, 79A, 328-337.	1.5	52
146	Rapid analysis of drug effects on the cell cycle. Cytometry, 1981, 1, 279-286.	1.8	51
147	Effect of Protease Inhibitors on Early Events of Apoptosis. Experimental Cell Research, 1996, 223, 372-384.	2.6	51
148	Chip-Based Dynamic Real-Time Quantification of Drug-Induced Cytotoxicity in Human Tumor Cells. Analytical Chemistry, 2009, 81, 6952-6959.	6.5	51
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