Frank Traganos

List of Publications by Year
in descending order

105 papers	7,378 citations	61687 45 h-index	66518 82 g-index
105 all docs	105 docs citations	105 times ranked	7994 citing authors

#	Article	IF	Citations
1	Persistent DNA damage caused by low levels of mitomycin C induces irreversible cell senescence. Cell Cycle, 2012, 11, 3132-3140.	1.3	46
2	Relationship of DNA damage signaling to DNA replication following treatment with DNA topoisomerase inhibitors camptothecin/topotecan, mitoxantrone, or etoposide. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2012, 81A, 45-51.	1.1	39
3	Attenuation of constitutive DNA damage signaling by 1,25-dihydroxyvitamin D3. Aging, 2012, 4, 270-278.	1.4	50
4	Cytometry of DNA replication and RNA synthesis: Historical perspective and recent advances based on â€œclick chemistryâ€• Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2011, 79A, 328-337.	1.1	52
5	Cell fixation in zinc salt solution is compatible with DNA damage response detection by phosphoâ€specific antibodies. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2011, 79A, 470-476.	1.1	7
6	Induction of DNA damage signaling by oxidative stress in relation to DNA replication as detected using â€œclick chemistryâ€• Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2011, 79A, 897-902.	1.1	38
7	Analysis of Individual Molecular Events of DNA Damage Response by Flow- and Image-Assisted Cytometry. Methods in Cell Biology, 2011, 103, 115-147.	0.5	24
8	Genome protective effect of metformin as revealed by reduced level of constitutive DNA damage signaling. Aging, 2011, 3, 1028-1038.	1.4	43
9	Kinetics of the UVâ€induced DNA damage response in relation to cell cycle phase. Correlation with DNA replication. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2010, 77A, 285-293.	1.1	36
10	DNA damage response induced by exposure of human lung adenocarcinoma cells to smoke from tobacco- and nicotine-free cigarettes. Cell Cycle, 2010, 9, 2170-2176.	1.3	38
11	DNA damage signaling is activated during cancer progression in human colorectal carcinoma. Cancer Biology and Therapy, 2010, 9, 245-251.	1.5	39
12	DNA damage detected with Î³H2AX in endometrioid adenocarcinoma cell lines. International Journal of Oncology, 2010, 36, 1081-8.	1.4	14
13	New biomarkers probing depth of cell senescence assessed by laser scanning cytometry. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2010, 77A, 999-1007.	1.1	40
14	Cytometric detection of chromatin relaxation, an early reporter of DNA damage response. Cell Cycle, 2009, 8, 2233-2237.	1.3	22
15	DNA damage response as a biomarker in treatment of leukemias. Cell Cycle, 2009, 8, 1720-1724.	1.3	23
16	Impaired DNA damage response â€” An Achilles' heel sensitizing cancer to chemotherapy and radiotherapy. European Journal of Pharmacology, 2009, 625, 143-150.	1.7	64
17	Induction of DNA damage response by the supravital probes of nucleic acids. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2009, 75A, 510-519.	1.1	65
18	DNA damage response induced by tobacco smoke in normal human bronchial epithelial and A549 pulmonary adenocarcinoma cells assessed by laser scanning cytometry. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2009, 75A, 840-847.	1.1	54

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19	Diversity of DNA damage response of astrocytes and glioblastoma cell lines with various p53 status to treatment with etoposide and temozolomide. Cancer Biology and Therapy, 2009, 8, 452-457.	1.5	25
20	Î³H2AX: A potential DNA damage response biomarker for assessing toxicological risk of tobacco products. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2009, 678, 43-52.	0.9	35
21	Fluoroquinolones lower constitutive H2AX and ATM phosphorylation in TK6 lymphoblastoid cells via modulation of the intracellular redox status. Pharmacological Reports, 2009, 61, 711-718.	1.5	3
22	Cytometric Analysis of DNA Damage: Phosphorylation of Histone H2AX as a Marker of DNA Double-Strand Breaks (DSBs). Methods in Molecular Biology, 2009, 523, 161-168.	0.4	77
23	Kinetics of histone H2AX phosphorylation and Chk2 activation in A549 cells treated with topotecan and mitoxantrone in relation to the cell cycle phase. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2008, 73A, 480-489.	1.1	42
24	Assessment of DNA double-strand breaks and Î³H2AX induced by the topoisomerase II poisons etoposide and mitoxantrone. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2008, 641, 43-47.	0.4	106
25	Phosphorylation of p53 on Ser15 during cell cycle and caused by Topo I and Topo II inhibitors in relation to ATM and Chk2 activation. Cell Cycle, 2008, 7, 3048-3055.	1.3	54
26	Ciprofloxacin-induced G2 arrest and apoptosis in TK6 lymphoblastoid cells is not dependent on DNA double-strand break formation. Cancer Biology and Therapy, 2008, 7, 113-119.	1.5	36
27	Oxidative stress induces cell cycle-dependent Mre11 recruitment, ATM and Chk2 activation and histone H2AX phosphorylation. Cell Cycle, 2008, 7, 1490-1495.	1.3	42
28	Induction of ATM Activation, Histone H2AX Phosphorylation and Apoptosis by Etoposide: Relation to Cell Cycle Phase. Cell Cycle, 2007, 6, 371-376.	1.3	94
29	Cytometry of ATM activation and histone H2AX phosphorylation to estimate extent of DNA damage induced by exogenous agents. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2007, 71A, 648-661.	1.1	187
30	Cytometric assessment of DNA damage by exogenous and endogenous oxidants reports agingâ€•related processes. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2007, 71A, 905-914.	1.1	69
31	ATM activation accompanies histone H2AX phosphorylation in A549 cells upon exposure to tobacco smoke. BMC Cell Biology, 2007, 8, 26.	3.0	39
32	Ciprofloxacin-Induced G2 Arrest and Apoptosis in TK6 Lymphoblastoid Cells Is Not Dependent on Double-Strand Break Formation.. Blood, 2007, 110, 4094-4094.	0.6	0
33	Constitutive histone H2AX phosphorylation on Ser-139 in cells untreated by genotoxic agents is cell-cycle phase specific and attenuated by scavenging reactive oxygen species. International Journal of Oncology, 2006, 29, 495.	1.4	29
34	Induction of DNA double-strand breaks in A549 and normal human pulmonary epithelial cells by cigarette smoke is mediated by free radicals. International Journal of Oncology, 2006, 28, 1491.	1.4	13
35	Effects of hydroxyurea and aphidicolin on phosphorylation of ataxia telangiectasia mutated onSer 1981 and histone H2AX onSer 139 in relation to cell cycle phase and induction of apoptosis. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2006, 69A, 212-221.	1.1	54
36	Sequential phosphorylation ofSer-10 on histone H3 andser-139 on histone H2AX and ATM activation during premature chromosome condensation: Relationship to cell-cycle phase and apoptosis. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2006, 69A, 222-229.	1.1	44

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37	Nitrogen Oxide-Releasing Aspirin Induces Histone H2AX Phosphorylation, ATM Activation and Apoptosis Preferentially in S-Phase Cells: Involvement of Reactive Oxygen Species. Cell Cycle, 2006, 5, 1669-1674.	1.3	33
38	2-Deoxy-D-glucose Reduces the Level of Constitutive Activation of ATM and Phosphorylation of Histone H2AX. Cell Cycle, 2006, 5, 878-882.	1.3	39
39	Constitutive Histone H2AX Phosphorylation and ATM Activation, the Reporters of DNA Damage by Endogenous Oxidants. Cell Cycle, 2006, 5, 1940-1945.	1.3	194
40	Phosphorylation of Histone H2AX on Ser 139 and Activation of ATM During Oxidative Burst in Phorbol Ester-Treated Human Leukocytes. Cell Cycle, 2006, 5, 2671-2675.	1.3	32
41	Activation of ATM and histone H2AX phosphorylation induced by mitoxantrone but not by topotecan is prevented by the antioxidant N-acetyl-L-Cysteine. Cancer Biology and Therapy, 2006, 5, 959-964.	1.5	34
42	Assessing DNA Damage Ex Vivo Induced by Chemotherapy Targeting Topoisomerase Inhibitors in Acute Leukemias.. Blood, 2006, 108, 4372-4372.	0.6	0
43	Constitutive histone H2AX phosphorylation on Ser-139 in cells untreated by genotoxic agents is cell-cycle phase specific and attenuated by scavenging reactive oxygen species. International Journal of Oncology, 2006, 29, 495-501.	1.4	48
44	Cytometric assessment of DNA damage in relation to cell cycle phase and apoptosis. Cell Proliferation, 2005, 38, 223-243.	2.4	177
45	Assessment of ATM phosphorylation onSer-1981 induced by DNA topoisomerase I and II inhibitors in relation toSer-139-histone H2AX phosphorylation, cell cycle phase, and apoptosis. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2005, 68A, 1-9.	1.1	75
46	Histone H2AX Phosphorylation after Cell Irradiation with UV-B: Relationship to Cell Cycle Phase and Induction of Apoptosis. Cell Cycle, 2005, 4, 338-344.	1.3	108
47	Pilot Study of the Feasibility of Assessing DNA Damage and Apoptosis Induced by Chemotherapy in Children with Acute Leukemias.. Blood, 2005, 106, 4587-4587.	0.6	0
48	Histone H2AX phosphorylation after cell irradiation with UV-B: relationship to cell cycle phase and induction of apoptosis. Cell Cycle, 2005, 4, 339-45.	1.3	59
49	Physical and Functional Interactions between Mitotic Kinases during Polyploidization and Megakaryocytic Differentiation. Cell Cycle, 2004, 3, 944-949.	1.3	6
50	Mechanism of Antitumor Drug Action Assessed by Cytometry. Methods in Cell Biology, 2004, 75, 257-305.	0.5	1
51	NO-donating nonsteroidal antiinflammatory drugs (NSAIDs) inhibit colon cancer cell growth more potently than traditional NSAIDs: a general pharmacological property?. Biochemical Pharmacology, 2004, 67, 2197-2205.	2.0	70
52	Assessment of histone H2AX phosphorylation induced by DNA topoisomerase I and II inhibitors topotecan and mitoxantrone and by the DNA cross-linking agent cisplatin. Cytometry, 2004, 58A, 99-110.	1.8	171
53	DNA Damage Induced by DNA Topoisomerase I- and Topoisomerase II- Inhibitors Detected by Histone H2AX Phosphorylation in Leukemic Cells.. Blood, 2004, 104, 4240-4240.	0.6	0
54	Cycling without cyclins. Cell Cycle, 2004, 3, 32-4.	1.3	2

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55	DNA Damage Induced by DNA Topoisomerase I- and Topoisomerase II- Inhibitors Detected by Histone H2AXphosphorylation in Relation to the Cell Cycle Phase and Apoptosis. Cell Cycle, 2003, 2, 613-618.	1.3	95
56	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. Cell Cycle, 2003, 2, 614-9.	1.3	67
57	Arsenic Trioxide Arrests Cells Early in Mitosis Leading to Apoptosis. Cell Cycle, 2002, 1, 200-208.	1.3	27
58	Cell Cycle Arrest and Apoptosis Induced by Human Polo-Like Kinase 3 Is Mediated through Perturbation of Microtubule Integrity. Molecular and Cellular Biology, 2002, 22, 3450-3459.	1.1	120
59	Nitric Oxide-Donating Nonsteroidal Anti-Inflammatory Drugs Inhibit the Growth of Various Cultured Human Cancer Cells: Evidence of a Tissue Type-Independent Effect. Journal of Pharmacology and Experimental Therapeutics, 2002, 303, 1273-1282.	1.3	128
60	Polo-like kinases and centrosome regulation. Oncogene, 2002, 21, 6195-6200.	2.6	63
61	Chapter 15 Methods to identify mitotic cells by flow cytometry. Methods in Cell Biology, 2001, 63, 343-354.	0.5	22
62	Caffeine dissociates complexes between DNA and intercalating dyes: Application for bleaching fluorochrome-stained cells for their subsequent restaining and analysis by laser scanning cytometry. Cytometry, 2001, 43, 38-45.	1.8	59
63	Chapter 24 Difficulties and pitfalls in analysis of apoptosis. Methods in Cell Biology, 2001, 63, 527-546.	0.5	84
64	Caffeine dissociates complexes between DNA and intercalating dyes: Application for bleaching fluorochromeâ€stained cells for their subsequent restaining and analysis by laser scanning cytometry. Cytometry, 2001, 43, 38-45.	1.8	1
65	Clinical and laboratory evaluation of all-trans retinoic acid modulation of chemotherapy in patients with acute myelogenous leukaemia. British Journal of Haematology, 2000, 108, 40-47.	1.2	17
66	Histone H3 phosphorylation and expression of cyclins A and B1 measured in individual cells during their progression through G2 and mitosis. , 1998, 32, 71-77.		229
67	Measurement of apoptosis. Advances in Biochemical Engineering/Biotechnology, 1998, 62, 33-73.	0.6	34
68	Histone H3 phosphorylation and expression of cyclins A and B1 measured in individual cells during their progression through G2 and mitosis. , 1998, 32, 71.		1
69	Immunoseparation and Immunodetection of Nucleic Acids Labeled with Halogenated Nucleotides. Experimental Cell Research, 1997, 234, 498-506.	1.2	23
70	Cytometry in cell necrobiology: Analysis of apoptosis and accidental cell death (necrosis). Cytometry, 1997, 27, 1-20.	1.8	1,031
71	Cytometry in cell necrobiology: Analysis of apoptosis and accidental cell death (necrosis). , 1997, 27, 1.		29
72	Effect of Protease Inhibitors on Early Events of Apoptosis. Experimental Cell Research, 1996, 223, 372-384.	1.2	51

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73	Cytometry of cyclin proteins. , 1996, 25, 1-13.		191
74	Cell cycle synchronizing properties of staurosporine. Cytotechnology, 1996, 18, 99-107.	0.7	5
75	Cytometry of cyclin proteins. , 1996, 25, 1.		3
76	Effects of organic and inorganic selenium compounds on rat mammary tumor cells. International Journal of Cancer, 1995, 63, 428-434.	2.3	60
77	Single-step procedure for labeling DNA strand breaks with fluorescein- or Bodipy-conjugated deoxynucleotides: Detection of apoptosis and bromodeoxyuridine incorporation. Cytometry, 1995, 20, 172-180.	1.8	170
78	Application of Biotin, Digoxigenin or Fluorescein Conjugated Deoxynucleotides to Label DNA Strand Breaks for Analysis of Cell Proliferation and Apoptosis Using Flow Cytometry. Biotechnic and Histochemistry, 1995, 70, 234-242.	0.7	24
79	Discrimination of G2 and Mitotic Cells by Flow Cytometry Based on Different Expression of Cyclins A and B1. Experimental Cell Research, 1995, 220, 226-231.	1.2	54
80	Apoptotic Cell Death During Treatment of Leukemias. Leukemia and Lymphoma, 1994, 13, 65-70.	0.6	87
81	Chapter 12 Lysosomal Proton Pump Activity: Supravital Cell Staining with Acridine Orange Differentiates Leukocyte Subpopulations. Methods in Cell Biology, 1994, 41, 185-194.	0.5	168
82	Flow cytometric detection of apoptosis: Comparison of the assays of in situ DNA degradation and chromatin changes. Cytometry, 1994, 15, 237-244.	1.8	241
83	Effect of staurosporine on MOLT-4 cell progression through G2 and on cytokinesis. Journal of Cellular Physiology, 1994, 158, 535-544.	2.0	23
84	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. Experimental Cell Research, 1993, 207, 202-205.	1.2	431
85	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. Experimental Cell Research, 1992, 201, 184-191.	1.2	80
86	DNA stainability in aneuploid breast tumors: Comparison of four DNA fluorochromes differing in binding properties. Cytometry, 1992, 13, 389-394.	1.8	33
87	Follicular Neoplasms of the Thyroid in Men Older Than 50 Years of Age: A DNA Flow Cytometric Study. American Journal of Clinical Pathology, 1990, 94, 527-532.	0.4	29
88	Benign metastasizing giant cell tumors of bone. A DNA flow cytometric study. Cancer, 1989, 64, 1521-1526.	2.0	68
89	In situ factors affecting stability of the DNA helix in interphase nuclei and metaphase chromosomes. Experimental Cell Research, 1987, 172, 168-179.	1.2	27
90	Assay of Cell Cycle Kinetics by Multivariate Flow Cytometry Using the Principle of Stathmokinesis. , 1987, , 291-336.		35

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91	Cell and Nuclear Growth During G1: Kinetic and Clinical Implications. Annals of the New York Academy of Sciences, 1986, 468, 45-54.	1.8	7
92	Kinetic Analysis of Drug-Induced G2Block In Vitro. Cell Proliferation, 1985, 18, 91-110.	2.4	3
93	Analysis of a cell cycle model based on unequal division of metabolic constituents to daughter cells during cytokinesis. Journal of Theoretical Biology, 1984, 110, 637-664.	0.8	66
94	Technology : Flow Cytometry: Principles and Applications. II. Cancer Investigation, 1984, 2, 239-258.	0.6	15
95	Effects of a Prospective Antitumor Agent, 1,4-bis(2â€²-Chloroethyl)-1,4-diazabicyclo-[2.2.1] Heptane Diperchlorate, on Cultured Mammalian Cells. Cancer Investigation, 1984, 2, 1-13.	0.6	5
96	Distinction between 5-bromodeoxyuridine labeled and unlabeled mitotic cells by flow cytometry. Cytometry, 1983, 3, 345-348.	1.8	18
97	Do all daughter cells enter the â€œindeterminateâ€•(â€œAâ€) state of the cell cycle? Analysis of stathmokinetic experiments on L1210 cells. Cytometry, 1983, 4, 191-201.	1.8	22
98	Dihydroxyanthraquinone and related Bis(Substituted) aminoanthraquinones: A novel class of antitumor agents. , 1983, 22, 199-214.		21
99	RNA Content and Chromatin Structure in Cycling and Noncycling Cell Populations Studied by Flow Cytometry. , 1982, , 103-128.		15
100	The ratio of RNA to total nucleic acid content as a quantitative measure of unbalanced cell growth. Cytometry, 1982, 2, 212-218.	1.8	45
101	Effect of n-butyrate on cell cycle progression and in situ chromatin structure of L1210 cells. Experimental Cell Research, 1981, 136, 279-293.	1.2	81
102	Interactions of a new antitumor agent, 1,4-dihydroxy-5,8-bis[[2-[(2-hydroxyethyl)amino]-ethyl]amino]-9,10-anthracenedione, with nucleic acids. Biochemical Pharmacology, 1981, 30, 231-240.	2.0	141
103	Rapid analysis of drug effects on the cell cycle. Cytometry, 1981, 1, 279-286.	1.8	51
104	Bladder cancer diagnosis by flow cytometry. Correlation between cell samples from biopsy and bladder irrigation fluid. Cancer, 1980, 45, 2389-2394.	2.0	76
105	New cell cycle compartments identified by multiparameter flow cytometry. Cytometry, 1980, 1, 98-108.	1.8	310