

Awtar Krishan

List of Publications by Year in descending order

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75
papers

2,212
citations

201385

27
h-index

233125

45
g-index

87
all docs

87
docs citations

87
times ranked

2322
citing authors

#	ARTICLE	IF	CITATIONS
1	Greater cell cycle inhibition and cytotoxicity induced by 2-deoxy-d-glucose in tumor cells treated under hypoxic vs aerobic conditions. <i>Cancer Chemotherapy and Pharmacology</i> , 2004, 53, 116-122.	1.1	190
2	Identification of Apoptotic Cells by Formamide-induced DNA Denaturation in Condensed Chromatin. <i>Journal of Histochemistry and Cytochemistry</i> , 2001, 49, 369-378.	1.3	158
3	Apoptosis-based drug screening and detection of selective toxicity to cancer cells. <i>Anti-Cancer Drugs</i> , 2003, 14, 555-561.	0.7	118
4	STRUCTURE OF THE MITOTIC SPINDLE IN L STRAIN FIBROBLASTS. <i>Journal of Cell Biology</i> , 1965, 24, 433-444.	2.3	105
5	OBSERVATIONS ON THE ASSOCIATION OF HELICAL POLYRIBOSOMES AND FILAMENTS WITH VINCRISTINE-INDUCED CRYSTALS IN EARLE'S L-CELL FIBROBLASTS. <i>Journal of Cell Biology</i> , 1969, 43, 553-563.	2.3	93
6	Enzyme-linked immunosorbent assay (ELISA) for the specific detection of apoptotic cells and its application to rapid drug screening.. <i>Journal of Immunological Methods</i> , 2001, 253, 133-144.	0.6	83
7	Efficacy of 2-halogen substituted d-glucose analogs in blocking glycolysis and killing hypoxic tumor cells. <i>Cancer Chemotherapy and Pharmacology</i> , 2006, 58, 725-734.	1.1	67
8	Patterns of anthracycline retention modulation in human tumor cells. <i>Cytometry</i> , 1987, 8, 306-314.	1.8	65
9	Prostate secretory protein (PSP94) suppresses the growth of androgen-independent prostate cancer cell line (PC3) and xenografts by inducing apoptosis. , 1999, 38, 118-125.		65
10	HYPERTROPHY OF GRANULAR ENDOPLASMIC RETICULUM AND ANNULATE LAMELLAE IN EARLE'S L CELLS EXPOSED TO VINBLASTINE SULFATE. <i>Journal of Cell Biology</i> , 1968, 39, 211-216.	2.3	59
11	Drug retention, efflux, and resistance in tumor cells. <i>Cytometry</i> , 1997, 29, 279-285.	1.8	59
12	Ribosome-granular material complexes in human leukemic lymphoblasts exposed to vinblastine sulfate. <i>Journal of Ultrastructure Research</i> , 1970, 31, 272-281.	1.4	58
13	Comparison of three commercially available antibodies for flow cytometric monitoring of P-glycoprotein expression in tumor cells. <i>Cytometry</i> , 1991, 12, 731-742.	1.8	44
14	BINDING OF COLCHICINE-3H TO VINBLASTINE- AND VINCRISTINE-INDUCED CRYSTALS IN MAMMALIAN TISSUE CULTURE CELLS. <i>Journal of Cell Biology</i> , 1971, 48, 407-410.	2.3	43
15	Fine structure of cytochalasin-induced multinucleated cells. <i>Journal of Ultrastructure Research</i> , 1971, 36, 191-204.	1.4	41
16	Glutathione S-transferases and glutathione peroxidases in doxorubicin-resistant murine leukemic P388 cells. <i>Biochemical Pharmacology</i> , 1989, 38, 3505-3510.	2.0	41
17	GHRH antagonist causes DNA damage leading to p21 mediated cell cycle arrest and apoptosis in human colon cancer cells. <i>Cell Cycle</i> , 2009, 8, 3149-3156.	1.3	37
18	ASYNCHRONY OF NUCLEAR DEVELOPMENT IN CYTOCHALASIN-INDUCED MULTINUCLEATE CELLS. <i>Journal of Cell Biology</i> , 1969, 43, 618-621.	2.3	36

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19	Doxorubicin resistance in human melanoma cells: MDR-1 and glutathione S-transferase γ gene expression. <i>Biochemical Pharmacology</i> , 1993, 45, 743-751.	2.0	35
20	Flow cytometric monitoring of glutathione content and anthracycline retention in tumor cells. <i>Cytometry</i> , 1991, 12, 336-342.	1.8	34
21	Simultaneous quantitation of plasma doxorubicin and prochlorperazine content by high-performance liquid chromatography. <i>Biomedical Applications</i> , 1997, 703, 217-224.	1.7	34
22	Anthracycline resistance in murine leukemic P388 CELLS. <i>Biochemical Pharmacology</i> , 1990, 39, 723-728.	2.0	33
23	Ultrastructure of cell division in insect spermatogenesis. <i>Journal of Ultrastructure Research</i> , 1965, 13, 444-458.	1.4	32
24	Targeted cytotoxic somatostatin analog AN-162 inhibits growth of human colon carcinomas and increases sensitivity of doxorubicin resistant murine leukemia cells. <i>Cancer Letters</i> , 2010, 294, 35-42.	3.2	31
25	Anthracycline-induced DNA breaks and resealing in doxorubicin-resistant murine leukemic P388 cells. <i>Biochemical Pharmacology</i> , 1988, 37, 1763-1772.	2.0	30
26	Doxorubicin-induced DNA breaks, topoisomerase II activity and gene expression in human melanoma cells. <i>Biochemical Pharmacology</i> , 1993, 45, 1367-1371.	2.0	30
27	DNA index, genome size, and electronic nuclear volume of vertebrates from the Miami Metro Zoo. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2005, 65A, 26-34.	1.1	30
28	NASA/American Cancer Society high-resolution flow cytometry project-I. <i>Cytometry</i> , 2001, 43, 2-11.	1.8	27
29	Shrinkage of experimental benign prostatic hyperplasia and reduction of prostatic cell volume by a gastrin-releasing peptide antagonist. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 2617-2622.	3.3	27
30	VINBLASTINE-INDUCED RIBOSOMAL COMPLEXES. <i>Journal of Cell Biology</i> , 1971, 49, 927-932.	2.3	25
31	Novel GHRH antagonists suppress the growth of human malignant melanoma by restoring nuclear p27 function. <i>Cell Cycle</i> , 2014, 13, 2790-2797.	1.3	24
32	Mechanisms of synergism between antagonists of growth hormone-releasing hormone and antagonists of luteinizing hormone-releasing hormone in shrinking experimental benign prostatic hyperplasia. <i>Prostate</i> , 2013, 73, 873-883.	1.2	23
33	Fine structure of the kinetochores in vinblastine sulfate-treated cells. <i>Journal of Ultrastructure Research</i> , 1968, 23, 134-143.	1.4	22
34	The Minimal Instrumentation Requirements for Hoechst Side Population Analysis: Stem Cell Analysis on Low-Cost Flow Cytometry Platforms. <i>Stem Cells</i> , 2006, 24, 2573-2581.	1.4	22
35	Combination of gastrin-releasing peptide antagonist with cytotoxic agents produces synergistic inhibition of growth of human experimental colon cancers. <i>Cell Cycle</i> , 2012, 11, 2518-2525.	1.3	22
36	Expression of drug resistance-associated mdr-1, GST γ , and topoisomerase II genes during cell cycle traverse. <i>Biochemical Pharmacology</i> , 1995, 49, 545-552.	2.0	21

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37	Flow Cytometric Analysis of Electronic Nuclear Volume and DNA Content in Normal Mouse Tissues. <i>Cell Cycle</i> , 2004, 3, 378-381.	1.3	21
38	DAPI Fluorescence in Nuclei Isolated from Tumors. <i>Journal of Histochemistry and Cytochemistry</i> , 2005, 53, 1033-1036.	1.3	20
39	Detection of tumor cells in body cavity fluids by flow cytometric and immunocytochemical analysis. <i>Diagnostic Cytopathology</i> , 2006, 34, 528-541.	0.5	20
40	Cellular volume and marker expression in human peripheral blood apheresis stem cells. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2008, 73A, 160-167.	1.1	20
41	GHRH antagonist when combined with cytotoxic agents induces S-phase arrest and additive growth inhibition of human colon cancer. <i>Cell Cycle</i> , 2012, 11, 4203-4210.	1.3	20
42	NASA/American Cancer Society high-resolution flow cytometry project - III. Multiparametric analysis of DNA content and electronic nuclear volume in human solid tumors. <i>Cytometry</i> , 2001, 43, 16-22.	1.8	18
43	Prognostic significance of DNA aneuploidy in diffuse malignant mesothelioma. <i>Cytometry</i> , 1995, 19, 86-91.	1.8	17
44	MDR-1 gene expression, anthracycline retention and cytotoxicity in human lung-tumor cells from refractory patients. <i>Cancer Chemotherapy and Pharmacology</i> , 1993, 31, 431-441.	1.1	16
45	Apoptosis enzyme-linked immunosorbent assay distinguishes anticancer drugs from toxic chemicals and predicts drug synergism. <i>Chemico-Biological Interactions</i> , 2003, 145, 89-99.	1.7	16
46	NASA/American Cancer Society high-resolution flow cytometry project - II. Effect of pH and DAPI concentration on dual parametric analysis of DNA/DAPI fluorescence and electronic nuclear volume. <i>Cytometry</i> , 2001, 43, 12-15.	1.8	15
47	Phorbol ester-induced P-glycoprotein phosphorylation and functionality in the HTB-123 human breast cancer cell line. <i>Biochemical Pharmacology</i> , 1998, 56, 709-718.	2.0	14
48	Doxorubicin retention and chemoresistance in human mesothelioma cell lines. <i>International Journal of Cancer</i> , 1994, 57, 581-585.	2.3	13
49	Flow cytometric analysis of P-glycoprotein expression and drug efflux in human soft tissue and bone sarcomas. , 1997, 30, 197-203.		13
50	Cytochrome P450 reductase, antioxidant enzymes and cellular resistance to doxorubicin. <i>Biochemical Pharmacology</i> , 1990, 40, 385-387.	2.0	11
51	Electronic volume of CD34 positive cells from peripheral blood apheresis samples. <i>Cytometry Part B - Clinical Cytometry</i> , 2008, 74B, 182-188.	0.7	11
52	Flow immunocytochemistry of marker expression in cells from body cavity fluids. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2010, 77A, 132-143.	1.1	11
53	Heterogeneity of anthracycline retention and response to efflux blockers in human tumors. <i>Cytometry</i> , 1995, 21, 72-75.	1.8	10
54	Monitoring of cellular resistance to cancer chemotherapy: Drug retention and efflux. <i>Methods in Cell Biology</i> , 2001, 64, 193-209.	0.5	10

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55	Microplate Screening for Apoptosis with Antibody to Single-Stranded DNA Distinguishes Anticancer Drugs from Toxic Chemicals. <i>Journal of Biomolecular Screening</i> , 2003, 8, 185-190.	2.6	9
56	Expression of glutathione-related enzymes in human bladder cancer cell lines. <i>Biochemical Pharmacology</i> , 1990, 39, 1817-1820.	2.0	8
57	Monitoring of cellular resistance to cancer chemotherapy. <i>Hematology/Oncology Clinics of North America</i> , 2002, 16, 357-372.	0.9	8
58	Flow Cytometric Monitoring of Fluorescent Drug Retention and Efflux. , 2005, 111, 149-166.		8
59	Androgen receptor expression and DNA content of paraffin-embedded archival human prostate tumors. <i>Cytometry</i> , 2002, 50, 25-30.	1.8	7
60	Membrane-associated proteins of adriamycin sensitive and resistant murine leukemic P388 cells. <i>International Journal of Peptide and Protein Research</i> , 1986, 27, 414-420.	0.1	7
61	Flow cytometric analysis of estrogen receptor expression in isolated nuclei and cells from mammary cancer tissues. , 1999, 36, 131-139.		6
62	Click-iT Proliferation Assay with Improved DNA Histograms. <i>Current Protocols in Cytometry</i> , 2010, 52, Unit7.36.	3.7	6
63	Flow cytometric analysis of electronic nuclear volume and DNA content in normal mouse tissues. <i>Cell Cycle</i> , 2004, 3, 380-3.	1.3	5
64	Application of anti-ssDNA monoclonal antibody to study exogenous and apoptosis-associated DNA damage. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2008, 73A, 1114-1115.	1.1	3
65	Chapter 2 Rapid Determination of Cellular Resistance-Related Drug Efflux in Tumor Cells. <i>Methods in Cell Biology</i> , 1994, 42 Pt B, 21-30.	0.5	2
66	Cellular Resistance to Drugs. <i>Cancer Investigation</i> , 1989, 7, 211-212.	0.6	1
67	Androgen and vitamin D receptor expression in archival human breast tumors. <i>Cytometry</i> , 2004, 58B, 53-60.	1.8	1
68	ALDH ⁺ /CD44 ⁺ /CD24 [~] expression in cells from body cavity fluids. <i>Cytometry Part B - Clinical Cytometry</i> , 2010, 78B, 176-182.	0.7	1
69	Class I MHC Molecules and Doxorubicin Resistant P388 Murine Leukemic Cells. <i>Immunopharmacology and Immunotoxicology</i> , 1989, 11, 583-591.	1.1	0
70	What links cod liver oil, spinach, and flow cytometry? Flow cytometric detection and quantitation of folic acid receptors in tumor cells. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2007, 71A, 897-898.	1.1	0
71	Flow cytometric monitoring of drug resistance in human tumor cells. , 2003, , 55-60.		0
72	Electronic Cell Volume and ALDH Expression of Hematopoietic Stem Cells Obtained by Apheresis. <i>Blood</i> , 2008, 112, 4132-4132.	0.6	0

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73	Flow Cytometric Monitoring of Drug Resistance in Human Solid Tumors. , 1996, , 49-64.		0
74	Effect of Some Metabolic Inhibitors on Vinblastine-Induced Ribosomal-Granular Material Complexes. Proceedings Annual Meeting Electron Microscopy Society of America, 1971, 29, 548-549.	0.0	0
75	Linear Arrays of Helical Polyribosomes in Cells Exposed to Antitumor Drug Vincristine Sulfate. Proceedings Annual Meeting Electron Microscopy Society of America, 1969, 27, 358-359.	0.0	0