

James W Jacobberger

List of Publications by Year in descending order

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93
papers

3,397
citations

109311

35
h-index

155644

55
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docs citations

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times ranked

4608
citing authors

#	ARTICLE	IF	CITATIONS
1	A new human prostate carcinoma cell line, 22Rv1. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 1999, 35, 403-409.	1.5	463
2	Analysis of intracellular antigens by flow cytometry. <i>Cytometry</i> , 1986, 7, 356-364.	1.8	124
3	Immortalization and characterization of proximal tubule cells derived from kidneys of spontaneously hypertensive and normotensive rats. <i>Kidney International</i> , 1996, 50, 125-134.	5.2	118
4	Whole blood fixation and permeabilization protocol with red blood cell lysis for flow cytometry of intracellular phosphorylated epitopes in leukocyte subpopulations. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2005, 67A, 4-17.	1.5	111
5	Oral tetrahydrouridine and decitabine for non-cytotoxic epigenetic gene regulation in sickle cell disease: A randomized phase 1 study. <i>PLoS Medicine</i> , 2017, 14, e1002382.	8.4	107
6	The dietary isothiocyanate sulforaphane targets pathways of apoptosis, cell cycle arrest, and oxidative stress in human pancreatic cancer cells and inhibits tumor growth in severe combined immunodeficient mice. <i>Molecular Cancer Therapeutics</i> , 2004, 3, 1239-48.	4.1	104
7	HIV Type 1 Tat Protein Induces Apoptosis and Death in Jurkat Cells. <i>AIDS Research and Human Retroviruses</i> , 1995, 11, 443-450.	1.1	90
8	Establishment and neurite outgrowth properties of neonatal and adult rat olfactory bulb glial cell lines. <i>Brain Research</i> , 1993, 619, 199-213.	2.2	89
9	Fixation of mammalian cells for flow cytometric evaluation of DNA content and nuclear immunofluorescence. <i>Cytometry</i> , 1992, 13, 48-59.	1.8	86
10	A Hybrid Model of Mammalian Cell Cycle Regulation. <i>PLoS Computational Biology</i> , 2011, 7, e1001077.	3.2	83
11	Cytometry of the cell cycle: Cycling through history. <i>Cytometry</i> , 2004, 58A, 21-32.	1.8	82
12	Reduced NFAT1 Protein Expression in Human Umbilical Cord Blood T Lymphocytes. <i>Blood</i> , 1999, 94, 3101-3107.	1.4	68
13	Monitoring <i>Plasmodium falciparum</i> growth and development by UV flow cytometry using an optimized Hoechst-thiazole orange staining strategy. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2008, 73A, 546-554.	1.5	65
14	Major Differences in the Responses of Primary Human Leukocyte Subsets to IFN- γ . <i>Journal of Immunology</i> , 2010, 185, 5888-5899.	0.8	64
15	Phase II study of bryostatin 1 and vincristine for aggressive non-Hodgkin lymphoma relapsing after an autologous stem cell transplant. <i>American Journal of Hematology</i> , 2009, 84, 484-487.	4.1	62
16	Ribonucleotide Reductase Inhibition Enhances Chemoradiosensitivity of Human Cervical Cancers. <i>Radiation Research</i> , 2010, 174, 574-581.	1.5	60
17	Immunoreactivity of Stat5 phosphorylated on tyrosine as a cell-based measure of Bcr/Abl kinase activity. <i>Cytometry</i> , 2003, 54A, 75-88.	1.8	52
18	DNA synthesis from unbalanced nucleotide pools causes limited DNA damage that triggers ATR-Chk1-dependent p53 activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 6314-6319.	7.1	52

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19	Immortalization of epithelial cells. <i>American Journal of Physiology - Cell Physiology</i> , 1996, 270, C1-C11.	4.6	50
20	Analysis of simian virus 40 infection of CV-1 cells by quantitative two-color fluorescence with flow cytometry. <i>Cytometry</i> , 1988, 9, 52-59.	1.8	47
21	E2F4 regulates a stable G2 arrest response to genotoxic stress in prostate carcinoma. <i>Oncogene</i> , 2007, 26, 1897-1909.	5.9	47
22	The Kinetics of G2 and M Transitions Regulated by B Cyclins. <i>PLoS ONE</i> , 2013, 8, e80861.	2.5	44
23	Cyclin B1 is rate limiting but not essential for mitotic entry and progression in mammalian somatic cells. <i>Cell Cycle</i> , 2008, 7, 1285-1300.	2.6	41
24	Phase I and correlative study of combination bryostatin 1 and vincristine in relapsed B-cell malignancies. <i>Clinical Cancer Research</i> , 2003, 9, 5929-35.	7.0	41
25	Reticulocyte quantification by flow cytometry, image analysis, and manual counting. <i>Cytometry</i> , 1992, 13, 853-862.	1.8	40
26	Flow Cytometric Reticulocyte Analysis: Multiinstitutional Interlaboratory Correlation Study. <i>American Journal of Clinical Pathology</i> , 1994, 102, 468-477.	0.7	40
27	GROWTH, IMMORTALIZATION, AND DIFFERENTIATION POTENTIAL OF NORMAL ADULT HUMAN PROXIMAL TUBULE CELLS. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2004, 40, 22.	1.5	40
28	Flow cytometric titration of retroviral expression vectors: Comparison of methods for analysis of immunofluorescence histograms derived from cells expressing low antigen levels. <i>Cytometry</i> , 1993, 14, 23-31.	1.8	39
29	TGF- β -Mediated Cell Cycle Arrest of HPV16-Immortalized Human Ectocervical Cells Correlates with Decreased E6/E7 mRNA and Increased p53 and p21WAF-1 Expression. <i>Experimental Cell Research</i> , 2000, 259, 149-157.	2.6	39
30	Dysregulated Human Myeloid Nuclear Differentiation Antigen Expression in Myelodysplastic Syndromes: Evidence for a Role in Apoptosis. <i>Cancer Research</i> , 2006, 66, 4645-4651.	0.9	39
31	Transforming Growth Factor- β 1 (TGF β 1) Enhances Apoptosis in Human Papillomavirus Type 16-Immortalized Human Ectocervical Epithelial Cells. <i>Experimental Cell Research</i> , 1995, 216, 65-72.	2.6	38
32	Retinoic acid-induced CD38 expression in HL60 myeloblastic leukemia cells regulates cell differentiation or viability depending on expression levels. <i>Journal of Cellular Biochemistry</i> , 2006, 97, 1328-1338.	2.6	38
33	UbcH7 regulates 53BP1 stability and DSB repair. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 17456-17461.	7.1	38
34	Development and characterization of rabbit proximal tubular epithelial cell lines. <i>Kidney International</i> , 1992, 42, 1130-1144.	5.2	36
35	A new biomarker for mitotic cells. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2008, 73A, 5-15.	1.5	36
36	Regulation of NIH3T3 cell G ₁ phase transit by serum during exponential growth. <i>Cell Proliferation</i> , 1995, 28, 511-524.	5.3	35

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37	Cell Cycle-Related Cyclin B1 Quantification. PLoS ONE, 2009, 4, e7064.	2.5	34
38	Analysis of malaria parasite-infected blood by flow cytometry. Cytometry, 1983, 4, 228-237.	1.8	32
39	Flow cytometric analysis of blood cells stained with the cyanine dye DiOC1[3]: Reticulocyte quantification. Cytometry, 1984, 5, 589-600.	1.8	32
40	p53 negatively regulates intestinal immunity by delaying mucosal T cell cycling. Journal of Clinical Investigation, 2002, 109, 1481-1492.	8.2	32
41	Modulation of Adhesion Molecule Expression on Rat Cortical Astrocytes During Maturation. Journal of Neurochemistry, 1993, 60, 1453-1466.	3.9	31
42	Chapter 23 Analysis of Intracellular Proteins. Methods in Cell Biology, 1994, 41, 351-376.	1.1	29
43	Normal bone marrow signal-transduction profiles: a requisite for enhanced detection of signaling dysregulations in AML. Blood, 2011, 117, e120-e130.	1.4	28
44	Phosphorylation of Minichromosome Maintenance 3 (MCM3) by Checkpoint Kinase 1 (Chk1) Negatively Regulates DNA Replication and Checkpoint Activation. Journal of Biological Chemistry, 2015, 290, 12370-12378.	3.4	28
45	A Data-Driven, Mathematical Model of Mammalian Cell Cycle Regulation. PLoS ONE, 2014, 9, e97130.	2.5	28
46	Simultaneous detection of cyclin B1, p105, and DNA content provides complete cell cycle phase fraction analysis of cells that endoreduplicate. , 1999, 35, 274-283.		27
47	Cell cycle analysis of asexual stages of erythrocytic malaria parasites. Cell Proliferation, 1992, 25, 431-445.	5.3	26
48	Kinetics of Erythrogenesis after Bone Marrow Transplantation. American Journal of Clinical Pathology, 1992, 97, 574-583.	0.7	25
49	Elevated Ribonucleotide Reductase Levels Associate With Suppressed Radiochemotherapy Response in Human Cervical Cancers. International Journal of Gynecological Cancer, 2012, 22, 1.	2.5	25
50	CHK1 and CHK2 are differentially involved in mismatch repair-mediated 6-thioguanine-induced cell cycle checkpoint responses. Molecular Cancer Therapeutics, 2004, 3, 1147-57.	4.1	25
51	Reduced CTLA-4 protein and messenger RNA expression in umbilical cord blood T lymphocytes. Experimental Hematology, 2002, 30, 738-744.	0.4	24
52	Intracellular antigen staining: Quantitative immunofluorescence. Methods, 1991, 2, 207-218.	3.8	23
53	Estimation of kinetic cell-cycle-related gene expression in G1 and G2 phases from immunofluorescence flow cytometry data. , 1999, 35, 284-289.		22
54	Cyclosporin A effects during primary and secondary activation of human umbilical cord blood T lymphocytes. Experimental Hematology, 2001, 29, 903-909.	0.4	21

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55	High-resolution kinetics of cytokine signaling in human CD34/CD117-positive cells in unfractionated bone marrow. <i>Blood</i> , 2011, 117, e131-e141.	1.4	19
56	Cell Cycle Arrest by Kynurenine in Lens Epithelial Cells. , 2008, 49, 5466.		18
57	Phase I trial of the combination of flavopiridol and imatinib mesylate in patients with Bcr-Abl+ hematological malignancies. <i>Cancer Chemotherapy and Pharmacology</i> , 2012, 69, 1657-1667.	2.3	18
58	p53 negatively regulates intestinal immunity by delaying mucosal T cell cycling. <i>Journal of Clinical Investigation</i> , 2002, 109, 1481-1492.	8.2	18
59	Streptavidin-based quantitative staining of intracellular antigens for flow cytometric analysis. <i>Cytometry</i> , 1992, 13, 711-721.	1.8	17
60	Bivariate analysis of the p53 pathway to evaluate Ad-p53 gene therapy efficacy. <i>Cytometry</i> , 1999, 38, 201-213.	1.8	16
61	Inhibition of Cdk1 by Alsterpaullone and Thioflavopiridol Correlates with Increased Transit Time from Mid G2 Through Prophase. <i>Cell Cycle</i> , 2004, 3, 347-355.	2.6	16
62	Cell density related gene expression: SV40 large T antigen levels in immortalized astrocyte lines. , 2002, 3, 10.		15
63	Multiparameter Cell Cycle Analysis. <i>Methods in Molecular Biology</i> , 2011, 699, 229-249.	0.9	14
64	Molecular quantification of cell cycle-related gene expression at the protein level. , 2000, 39, 79-89.		13
65	Cytometry of chromatin bound Mcm6 and PCNA identifies two states in G1 that are separated functionally by the G1 restriction point1. <i>BMC Cell Biology</i> , 2010, 11, 26.	3.0	13
66	Dynamic Epitope Expression from Static Cytometry Data: Principles and Reproducibility. <i>PLoS ONE</i> , 2012, 7, e30870.	2.5	11
67	Chapter 13 Stoichiometry of immunocytochemical staining reactions. <i>Methods in Cell Biology</i> , 2001, 63, 271-298.	1.1	10
68	Innovative Analyses Support a Role for DNA Damage and an Aberrant Cell Cycle in Myelodysplastic Syndrome Pathogenesis. <i>Bone Marrow Research</i> , 2011, 2011, 1-9.	1.7	9
69	Cabazitaxel-Induced Stabilization of Microtubules Enhances Radiosensitivity in Ovarian Cancer Cells. <i>Frontiers in Oncology</i> , 2013, 3, 226.	2.8	9
70	A subset of cells expressing SV40 large T antigen contain elevated p53 levels and have an altered cell cycle phenotype. <i>Cell Proliferation</i> , 2000, 33, 115-125.	5.3	8
71	Dynamic Expression Profiles from Static Cytometry Data: Component Fitting and Conversion to Relative, "Same Scale" Values. <i>PLoS ONE</i> , 2012, 7, e38275.	2.5	8
72	Bivariate analysis of the p53 pathway to evaluate Ad-p53 gene therapy efficacy. <i>Cytometry</i> , 1999, 38, 201-213.	1.8	7

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73	Flow Cytometric Analysis of Fluorescein-Labeled Nerve Growth Factor Binding to A875 Human Melanoma Cells. <i>Experimental Cell Research</i> , 1994, 210, 77-85.	2.6	6
74	Increasing the power of cytometry. <i>Nature Methods</i> , 2006, 3, 343-344.	19.0	6
75	Laser Scanning Cytometry of Mitosis: State and Stage Analysis. <i>Methods in Cell Biology</i> , 2011, 102, 341-372.	1.1	6
76	Multiparameter Cell Cycle Analysis. <i>Methods in Molecular Biology</i> , 2018, 1678, 203-247.	0.9	6
77	Cell cycle analysis of retroviral vector gene expression during early infection. <i>Cytometry</i> , 1998, 31, 235-241.	1.8	5
78	CytoSys: A Tool for Extracting Cell-Cycle-Related Expression Dynamics from Static Data. <i>Methods in Molecular Biology</i> , 2011, 717, 171-193.	0.9	4
79	Reduced NFAT1 Protein Expression in Human Umbilical Cord Blood T Lymphocytes. <i>Blood</i> , 1999, 94, 3101-3107.	1.4	4
80	New methods for maintaining human renal epithelial cells and analyzing their ion transport functions: Potential analysis of genetic disease. <i>Ethnicity and Health</i> , 1996, 1, 129-136.	2.5	3
81	Mammalian Cell Cycle Regulation. , 2013, , 1-24.		3
82	Rat islet cell lines produced by retroviral transduction of SV40 T antigen. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 1996, 32, 185-188.	1.5	2
83	Multiparameter cell cycle analysis. <i>Clinical Immunology Newsletter</i> , 1996, 16, 38-45.	0.1	1
84	Distinct T-cell cycling of human intestinal lamina propria (LPT) and peripheral blood cells (PBT) may explain the hyperresponsiveness of LPT to CD2 activation. <i>Gastroenterology</i> , 2001, 120, A321.	1.3	1
85	In memoriam professor Zbigniew Darzynkiewicz "Cytometry pathfinder 1936"2021. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2021, 99, 550-556.	1.5	1
86	Cell Cycle Analysis, <i>Flow Cytometry</i> . , 2013, , 233-242.		1
87	Intracellular measures of signalling pathways. , 2001, , 231-246.		0
88	113 Major differences in the response of primary human blood cells to IFN- γ . <i>Cytokine</i> , 2008, 43, 263.	3.2	0
89	DNA Methyltransferase-1 (DNMT1): A Flow Cytometric Pharmacodynamic Assay for Azacitidine Hypomethylating Therapy after Allogeneic Hematopoietic Stem Cell Transplantation (AlloSCT). <i>Biology of Blood and Marrow Transplantation</i> , 2015, 21, S318-S319.	2.0	0
90	Distinct T-cell cycling of human intestinal lamina propria (LPT) and peripheral blood cells (PBT) may explain the hyperresponsiveness of LPT to CD2 activation. <i>Gastroenterology</i> , 2001, 120, A321-A321.	1.3	0

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91	Growth, immortalization, and differentiation potential of normal adult human proximal tubule cells. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2004, , .	1.5	0
92	Myeloid Nuclear Differentiation Antigen (MNDA) Protein Expression in Myelodysplastic Syndrome (MDS) Is Reduced in Maturing Myeloid Cells.. <i>Blood</i> , 2004, 104, 4734-4734.	1.4	0
93	A Phase 1 Trial of MEC (Mitoxantrone, Etoposide, Cytarabine) in Combination with Ixazomib (MLN9708) for Relapsed/ Refractory Acute Myeloid Leukemia (AML). <i>Blood</i> , 2016, 128, 4065-4065.	1.4	0