

# William L Blalock

## List of Publications by Year in descending order

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67  
papers

4,105  
citations

201674

27  
h-index

118850

62  
g-index

69  
all docs

69  
docs citations

69  
times ranked

5520  
citing authors

#	ARTICLE	IF	CITATIONS
1	Involvement of PI3K/Akt pathway in cell cycle progression, apoptosis, and neoplastic transformation: a target for cancer chemotherapy. <i>Leukemia</i> , 2003, 17, 590-603.	7.2	1,055
2	Signal transduction mediated by the Ras/Raf/MEK/ERK pathway from cytokine receptors to transcription factors: potential targeting for therapeutic intervention. <i>Leukemia</i> , 2003, 17, 1263-1293.	7.2	632
3	Signal transduction, cell cycle regulatory, and anti-apoptotic pathways regulated by IL-3 in hematopoietic cells: possible sites for intervention with anti-neoplastic drugs. <i>Leukemia</i> , 1999, 13, 1109-1166.	7.2	161
4	MIRNA-210: A Current Overview. <i>Anticancer Research</i> , 2017, 37, 6511-6521.	1.1	159
5	Prohibitin 2: At a communications crossroads. <i>IUBMB Life</i> , 2015, 67, 239-254.	3.4	136
6	Tear proteomics in evaporative dry eye disease. <i>Eye</i> , 2010, 24, 1396-1402.	2.1	130
7	Targeting the Phosphatidylinositol 3-Kinase/Akt/Mammalian Target of Rapamycin Module for Acute Myelogenous Leukemia Therapy: From Bench to Bedside. <i>Current Medicinal Chemistry</i> , 2007, 14, 2009-2023.	2.4	116
8	Differential abilities of activated Raf oncoproteins to abrogate cytokine dependency, prevent apoptosis and induce autocrine growth factor synthesis in human hematopoietic cells. <i>Leukemia</i> , 1998, 12, 1903-1929.	7.2	109
9	Differential abilities of the Raf family of protein kinases to abrogate cytokine dependency and prevent apoptosis in murine hematopoietic cells by a MEK1-dependent mechanism. <i>Leukemia</i> , 2000, 14, 642-656.	7.2	98
10	Effects of the RAF/MEK/ERK and PI3K/AKT signal transduction pathways on the abrogation of cytokine-dependence and prevention of apoptosis in hematopoietic cells. <i>Oncogene</i> , 2003, 22, 2478-2492.	5.9	95
11	The Raf signal transduction cascade as a target for chemotherapeutic intervention in growth factor-responsive tumors. , 2000, 88, 229-279.		86
12	A conditionally-active form of MEK1 results in autocrine transformation of human and mouse hematopoietic cells. <i>Oncogene</i> , 2000, 19, 526-536.	5.9	76
13	Ceramide Regulates Protein Synthesis by a Novel Mechanism Involving the Cellular PKR Activator RAX. <i>Journal of Biological Chemistry</i> , 2001, 276, 11754-11758.	3.4	74
14	RAX, the PKR activator, sensitizes cells to inflammatory cytokines, serum withdrawal, chemotherapy, and viral infection. <i>Blood</i> , 2006, 108, 821-829.	1.4	74
15	Signal Transduction in Ribosome Biogenesis: A Recipe to Avoid Disaster. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2718.	4.1	69
16	Requirement for the PI3K/Akt pathway in MEK1-mediated growth and prevention of apoptosis: identification of an Achilles heel in leukemia. <i>Leukemia</i> , 2003, 17, 1058-1067.	7.2	59
17	Differential effects of kinase cascade inhibitors on neoplastic and cytokine-mediated cell proliferation. <i>Leukemia</i> , 2003, 17, 1765-1782.	7.2	55
18	Serine 18 Phosphorylation of RAX, the PKR Activator, Is Required for PKR Activation and Consequent Translation Inhibition. <i>Journal of Biological Chemistry</i> , 2004, 279, 42687-42693.	3.4	53

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19	Combined effects of aberrant MEK1 activity and BCL2 overexpression on relieving the cytokine dependency of human and murine hematopoietic cells. <i>Leukemia</i> , 2000, 14, 1080-1096.	7.2	48
20	Synergy between Raf and BCL2 in abrogating the cytokine dependency of hematopoietic cells. <i>Leukemia</i> , 2000, 14, 1060-1079.	7.2	47
21	Effects of inducible MEK1 activation on the cytokine dependency of lymphoid cells. <i>Leukemia</i> , 2001, 15, 794-807.	7.2	41
22	Multiple forms of PKR present in the nuclei of acute leukemia cells represent an active kinase that is responsive to stress. <i>Leukemia</i> , 2011, 25, 236-245.	7.2	40
23	PI-PLC $\beta$ 2-1 and activated Akt levels are linked to azacitidine responsiveness in high-risk myelodysplastic syndromes. <i>Leukemia</i> , 2008, 22, 198-200.	7.2	39
24	Proapoptotic Activity and Chemosensitizing Effect of the Novel Akt Inhibitor (2S)-1-(1H-Indol-3-yl)-3-[5-(3-methyl-2H-indazol-5-yl)pyridin-3-yl]oxypropan-2-amine (A443654) in T-Cell Acute Lymphoblastic Leukemia. <i>Molecular Pharmacology</i> , 2008, 74, 884-895.	2.3	33
25	Nuclear PI-PLC $\beta$ 21: An appraisal on targets and pathology. <i>Advances in Biological Regulation</i> , 2014, 54, 2-11.	2.3	32
26	Cancer therapy and treatments during COVID-19 era. <i>Advances in Biological Regulation</i> , 2020, 77, 100739.	2.3	30
27	PKR activity is required for acute leukemic cell maintenance and growth: A role for PKR-mediated phosphatase activity to regulate GSK $\beta$ phosphorylation. <i>Journal of Cellular Physiology</i> , 2009, 221, 232-241.	4.1	29
28	Prohibitin 2 represents a novel nuclear AKT substrate during all-trans retinoic acid-induced differentiation of acute promyelocytic leukemia cells. <i>FASEB Journal</i> , 2014, 28, 2009-2019.	0.5	28
29	Effects of deregulated Raf activation on integrin, cytokine-receptor expression and the induction of apoptosis in hematopoietic cells. <i>Leukemia</i> , 2000, 14, 1921-1938.	7.2	27
30	A novel human fibronectin cryptic sequence unmasked by the insertion of the angiogenesis-associated extra type III domain B. <i>International Journal of Cancer</i> , 2009, 125, 751-758.	5.1	27
31	eEF1A Phosphorylation in the Nucleus of Insulin-stimulated C2C12 Myoblasts. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 2719-2728.	3.8	26
32	BMP-2 Induced Expression of PLC $\beta$ 21 That is a Positive Regulator of Osteoblast Differentiation. <i>Journal of Cellular Physiology</i> , 2016, 231, 623-629.	4.1	26
33	Effects of deregulated RAF and MEK1 expression on the cytokine-dependency of hematopoietic cells. <i>Advances in Enzyme Regulation</i> , 2000, 40, 305-337.	2.6	24
34	RAX is required for fly neuronal development and mouse embryogenesis. <i>Mechanisms of Development</i> , 2008, 125, 777-785.	1.7	24
35	A role for PLC $\beta$ 21 in myotonic dystrophies type 1 and 2. <i>FASEB Journal</i> , 2012, 26, 3042-3048.	0.5	24
36	Identification of the PKR Nuclear Interactome Reveals Roles in Ribosome Biogenesis, mRNA Processing and Cell Division. <i>Journal of Cellular Physiology</i> , 2014, 229, 1047-1060.	4.1	23

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37	Synergistic effects of pi3k/akt on abrogation of cytokine-dependency induced by oncogenic raf. <i>Advances in Enzyme Regulation</i> , 2001, 41, 289-323.	2.6	22
38	PKR is activated in MDS patients and its subcellular localization depends on disease severity. <i>Leukemia</i> , 2008, 22, 2267-2269.	7.2	22
39	A role for PKR in hematologic malignancies. <i>Journal of Cellular Physiology</i> , 2010, 223, 572-591.	4.1	21
40	Phosphoinositide-specific Phospholipase C $\beta$ 1b (PI-PLC $\beta$ 1b) Interactome: Affinity Purification-Mass Spectrometry Analysis of PI-PLC $\beta$ 1b with Nuclear Protein. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 2220-2235.	3.8	21
41	Ability of the activated PI3K/Akt oncoproteins to synergize with MEK1 and induce cell cycle progression and abrogate the cytokine-dependence of hematopoietic cells. <i>Cell Cycle</i> , 2004, 3, 503-12.	2.6	21
42	AKT-dependent phosphorylation of the adenosine deaminases ADAR $\beta$ 1 and $\beta$ 2 inhibits deaminase activity. <i>FASEB Journal</i> , 2019, 33, 9044-9061.	0.5	20
43	PLC-beta 1 regulates the expression of miR-210 during mithramycin-mediated erythroid differentiation in K562 cells. <i>Oncotarget</i> , 2014, 5, 4222-4231.	1.8	19
44	Ability of the Activated PI3K/Akt Oncoproteins to Synergize with MEK1 and Induce Cell Cycle Progression and Abrogate the Cytokine-Dependence of Hematopoietic Cells. <i>Cell Cycle</i> , 2004, 3, 501-510.	2.6	17
45	Therapeutic potential of nvp $\beta$ km120 in human osteosarcomas cells. <i>Journal of Cellular Physiology</i> , 2019, 234, 10907-10917.	4.1	16
46	Enhanced ability of daniplestim and myelopoietin-1 to suppress apoptosis in human hematopoietic cells. <i>Leukemia</i> , 2001, 15, 1203-1216.	7.2	15
47	Intolerant contact lens wearers exhibit ocular surface impairment despite 3 months wear discontinuation. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2016, 254, 1825-1831.	1.9	15
48	A rapid standardized quantitative microfluidic system approach for evaluating human tear proteins. <i>Molecular Vision</i> , 2012, 18, 2526-37.	1.1	15
49	PLC $\beta$ 1a and PLC $\beta$ 1b Selective Regulation and Cyclin D3 Modulation Reduced by Kinamycin F During K562 Cell Differentiation. <i>Journal of Cellular Physiology</i> , 2015, 230, 587-594.	4.1	11
50	PI $\beta$ PLC $\beta$ 1b affects Akt activation, cyclin E expression, and caspase cleavage, promoting cell survival in pro $\beta$ lymphoblastic cells exposed to oxidative stress. <i>FASEB Journal</i> , 2015, 29, 1383-1394.	0.5	10
51	Glycogen synthase kinase (GSK)-3 and the double-strand RNA-dependent kinase, PKR: When two kinases for the common good turn bad. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020, 1867, 118769.	4.1	10
52	Use of Uteroglobin for the Engineering of Polyvalent, Polyspecific Fusion Proteins. <i>Journal of Biological Chemistry</i> , 2009, 284, 26646-26654.	3.4	6
53	Ectopic Expression of Ankrd2 Affects Proliferation, Motility and Clonogenic Potential of Human Osteosarcoma Cells. <i>Cancers</i> , 2021, 13, 174.	3.7	6
54	Revisiting the Role of GSK3, A Modulator of Innate Immunity, in Idiopathic Inclusion Body Myositis. <i>Cells</i> , 2021, 10, 3255.	4.1	6

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55	Innate Immunity: A Balance between Disease and Adaption to Stress. <i>Biomolecules</i> , 2022, 12, 737.	4.0	6
56	Cell Cycle Arrest and Apoptosis Induced by Kinamycin F in Human Osteosarcoma Cells. <i>Anticancer Research</i> , 2017, 37, 4103-4109.	1.1	5
57	Expression of the double-stranded RNA-dependent kinase PKR influences osteosarcoma attachment independent growth, migration, and invasion. <i>Journal of Cellular Physiology</i> , 2020, 235, 1103-1119.	4.1	4
58	Opposing forces fight over the same ground to regulate interferon signaling. <i>Biochemical Journal</i> , 2021, 478, 1853-1859.	3.7	4
59	Combined Treatment with PI3K Inhibitors BYL-719 and CAL-101 Is a Promising Antiproliferative Strategy in Human Rhabdomyosarcoma Cells. <i>Molecules</i> , 2022, 27, 2742.	3.8	3
60	Enhanced ability of the progenipoietin-1 to suppress apoptosis in human hematopoietic cells. <i>International Journal of Molecular Medicine</i> , 2002, 10, 385.	4.0	2
61	The AKT Inhibitor, A443654, Induces Cell Cycle Arrest, Apoptosis and Synergizes with Chemotherapeutic Drugs in Multi-Drug Resistant T-Cell Acute Lymphoblastic Leukemia - A Novel Agent for Therapy of Drug Resistant ALL. <i>Blood</i> , 2007, 110, 3344-3344.	1.4	1
62	Enhanced ability of the progenipoietin-1 to suppress apoptosis in human hematopoietic cells. <i>International Journal of Molecular Medicine</i> , 2002, 10, 385-94.	4.0	1
63	Synergistic effects of akt on abrogation of cytokine-dependency induced by raf and mek. <i>Experimental Hematology</i> , 2000, 28, 38.	0.4	0
64	Enhanced ability of myelopoietins, dual receptor agonists for human IL-3 and g-csf receptors and the IL-3 receptor agonist, daniplestim, to suppress apoptosis and stimulate cytokine-inducible gene expression. <i>Experimental Hematology</i> , 2000, 28, 39.	0.4	0
65	Elucidation of Signal Transduction Pathways by Retroviral Infection of Cells with Modified Oncogenes. , 2003, 218, 221-252.		0
66	Fibroblastic, Hematopoietic, and Hormone Responsive Epithelial Cell Lines and Culture Conditions for Elucidation of Signal Transduction and Drug Resistance Pathways by Gene Transfer. , 2003, 218, 185-202.		0
67	Elucidation of Signal Transduction Pathways by Transfection of Cells with Modified Oncogenes. , 2003, 218, 203-220.		0