

Lyuba Varticovski

List of Publications by Year in descending order

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81
papers

7,208
citations

66343

42
h-index

62596

80
g-index

81
all docs

81
docs citations

81
times ranked

12271
citing authors

#	ARTICLE	IF	CITATIONS
1	The Knockout Mouse Project. <i>Nature Genetics</i> , 2004, 36, 921-924.	21.4	556
2	Brcal breast tumors contain distinct CD44+/CD24- and CD133+cells with cancer stem cell characteristics. <i>Breast Cancer Research</i> , 2008, 10, R10.	5.0	538
3	The Chaperone-Mediated Autophagy Receptor Organizes in Dynamic Protein Complexes at the Lysosomal Membrane. <i>Molecular and Cellular Biology</i> , 2008, 28, 5747-5763.	2.3	435
4	Hypoxia Induces Vascular Endothelial Growth Factor in Cultured Human Endothelial Cells. <i>Journal of Biological Chemistry</i> , 1995, 270, 31189-31195.	3.4	413
5	The colony stimulating factor-1 receptor associates with and activates phosphatidylinositol-3 kinase. <i>Nature</i> , 1989, 342, 699-702.	27.8	354
6	Hypoxia-induced paracrine regulation of vascular endothelial growth factor receptor expression.. <i>Journal of Clinical Investigation</i> , 1996, 97, 469-476.	8.2	310
7	Hsp90 inhibitor PU-H71, a multimodal inhibitor of malignancy, induces complete responses in triple-negative breast cancer models. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 8368-8373.	7.1	286
8	Signal transduction through the EGF receptor transfected in IL-3-dependent hematopoietic cells. <i>Science</i> , 1988, 239, 628-631.	12.6	254
9	Prolonged Drug Selection of Breast Cancer Cells and Enrichment of Cancer Stem Cell Characteristics. <i>Journal of the National Cancer Institute</i> , 2010, 102, 1637-1652.	6.3	241
10	Chaperone-Mediated Autophagy Is Required for Tumor Growth. <i>Science Translational Medicine</i> , 2011, 3, 109ra117.	12.4	205
11	A purine scaffold Hsp90 inhibitor destabilizes BCL-6 and has specific antitumor activity in BCL-6-dependent B cell lymphomas. <i>Nature Medicine</i> , 2009, 15, 1369-1376.	30.7	149
12	Molecular characterisation of side population cells with cancer stem cell-like characteristics in small-cell lung cancer. <i>British Journal of Cancer</i> , 2010, 102, 1636-1644.	6.4	140
13	Role of PI 3-Kinase in Angiopoietin-1-Mediated Migration and Attachment-Dependent Survival of Endothelial Cells. <i>Experimental Cell Research</i> , 1999, 253, 663-672.	2.6	130
14	The Role of Phosphoinositide 3-Kinase in Taurocholate-induced Trafficking of ATP-dependent Canalicular Transporters in Rat Liver. <i>Journal of Biological Chemistry</i> , 1998, 273, 26638-26644.	3.4	123
15	Microenvironmental modulation of asymmetric cell division in human lung cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 2195-2200.	7.1	122
16	Novel Indenoisoquinolines NSC 725776 and NSC 724998 Produce Persistent Topoisomerase I Cleavage Complexes and Overcome Multidrug Resistance. <i>Cancer Research</i> , 2007, 67, 10397-10405.	0.9	118
17	Inhibitor of Growth 4 Suppresses Cell Spreading and Cell Migration by Interacting with a Novel Binding Partner, Liprin 1. <i>Cancer Research</i> , 2007, 67, 2552-2558.	0.9	113
18	microRNA expression in the biology, prognosis, and therapy of Waldenström macroglobulinemia. <i>Blood</i> , 2009, 113, 4391-4402.	1.4	113

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19	Clinical and Translational Studies of a Phase II Trial of the Novel Oral Akt Inhibitor Perifosine in Relapsed or Relapsed/Refractory Waldenstrom's Macroglobulinemia. <i>Clinical Cancer Research</i> , 2010, 16, 1033-1041.	7.0	112
20	Divergence in Signal Transduction Pathways of Platelet-derived Growth Factor (PDGF) and Epidermal Growth Factor (EGF) Receptors. <i>Journal of Biological Chemistry</i> , 1997, 272, 10777-10783.	3.4	108
21	Single-step doxorubicin-selected cancer cells overexpress the ABCG2 drug transporter through epigenetic changes. <i>British Journal of Cancer</i> , 2008, 98, 1515-1524.	6.4	106
22	The Obesity-Cancer Link: Lessons Learned from a Fatless Mouse: Figure 1.. <i>Cancer Research</i> , 2007, 67, 2391-2393.	0.9	105
23	Phosphoinositide 3-kinase lipid products regulate ATP-dependent transport by sister of P-glycoprotein and multidrug resistance associated protein 2 in bile canalicular membrane vesicles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 5814-5819.	7.1	103
24	Location of sites in human lipocortin I that are phosphorylated by protein tyrosine kinases and protein kinases A and C. <i>Biochemistry</i> , 1988, 27, 3682-3690.	2.5	101
25	The Src homology 2 domain of Bcr/Abl is required for efficient induction of chronic myeloid leukemia-like disease in mice but not for lymphoid leukemogenesis or activation of phosphatidylinositol 3-kinase. <i>Blood</i> , 2001, 97, 4-13.	1.4	93
26	The p53 Tumor Suppressor Network Is a Key Responder to Microenvironmental Components of Chronic Inflammatory Stress. <i>Cancer Research</i> , 2005, 65, 10255-10264.	0.9	93
27	Role of PI 3-kinase in mitogenesis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1994, 1226, 1-11.	3.8	83
28	Accelerated Tumor Formation in a Fatless Mouse with Type 2 Diabetes and Inflammation. <i>Cancer Research</i> , 2006, 66, 5469-5476.	0.9	82
29	Obesity Accelerates Mouse Mammary Tumor Growth in the Absence of Ovarian Hormones. <i>Nutrition and Cancer</i> , 2008, 60, 534-541.	2.0	81
30	Dietary Energy Balance Modulates Epithelial-to-Mesenchymal Transition and Tumor Progression in Murine Claudin-Low and Basal-like Mammary Tumor Models. <i>Cancer Prevention Research</i> , 2012, 5, 930-942.	1.5	71
31	HSP90 inhibitor, DMAG, synergizes with radiation of lung cancer cells by interfering with base excision and ATM-mediated DNA repair. <i>Molecular Cancer Therapeutics</i> , 2008, 7, 1985-1992.	4.1	70
32	Identification of carboxypeptidase E and $\hat{1}^3$ -glutamyl hydrolase as biomarkers for pulmonary neuroendocrine tumors by cDNA microarray. <i>Human Pathology</i> , 2004, 35, 1196-1209.	2.0	69
33	Paradoxical stimulation of both lipocortin and prostaglandin production in human amnion cells by dexamethasone. <i>Biochemical and Biophysical Research Communications</i> , 1988, 151, 137-141.	2.1	64
34	High fat diet-induced changes of mouse hepatic transcription and enhancer activity can be reversed by subsequent weight loss. <i>Scientific Reports</i> , 2017, 7, 40220.	3.3	62
35	Limited Chemical Structural Diversity Found to Modulate Thyroid Hormone Receptor in the Tox21 Chemical Library. <i>Environmental Health Perspectives</i> , 2019, 127, 97009.	6.0	56
36	Tyrosine phosphorylation of p120cbl in BCR/abl transformed hematopoietic cells mediates enhanced association with phosphatidylinositol 3-kinase. <i>Oncogene</i> , 1997, 14, 2217-2228.	5.9	54

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37	Opposing effect of angiopoietin-1 on VEGF-mediated disruption of endothelial cell-cell interactions requires activation of PKC?. <i>Journal of Cellular Physiology</i> , 2004, 198, 53-61.	4.1	52
38	Prevalent Glucocorticoid and Androgen Activity in US Water Sources. <i>Scientific Reports</i> , 2012, 2, 937.	3.3	51
39	Critical Role for the Receptor Tyrosine Kinase EPHB4 in Esophageal Cancers. <i>Cancer Research</i> , 2013, 73, 184-194.	0.9	48
40	Tyrosine Phosphorylation of the CD3- ζ Subunit of the T Cell Antigen Receptor Mediates Enhanced Association with Phosphatidylinositol 3-Kinase in Jurkat T Cells. <i>Journal of Biological Chemistry</i> , 1997, 272, 25310-25318.	3.4	45
41	Schedule-dependent synergy of histone deacetylase inhibitors with DNA damaging agents in small cell lung cancer. <i>Cell Cycle</i> , 2011, 10, 3119-3128.	2.6	45
42	Targeted BMI1 inhibition impairs tumor growth in lung adenocarcinomas with low CEBP β expression. <i>Science Translational Medicine</i> , 2016, 8, 350ra104.	12.4	45
43	Accelerated Preclinical Testing Using Transplanted Tumors from Genetically Engineered Mouse Breast Cancer Models. <i>Clinical Cancer Research</i> , 2007, 13, 2168-2177.	7.0	44
44	Complex dynamics of transcription regulation. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2012, 1819, 657-666.	1.9	44
45	Targeted H3R26 Deimination Specifically Facilitates Estrogen Receptor Binding by Modifying Nucleosome Structure. <i>PLoS Genetics</i> , 2014, 10, e1004613.	3.5	43
46	Mechanisms by which cAMP increases bile acid secretion in rat liver and canalicular membrane vesicles. <i>American Journal of Physiology - Renal Physiology</i> , 2003, 285, G316-G324.	3.4	42
47	A Direct Binding Site for Grb2 Contributes to Transformation and Leukemogenesis by the Tel-Abl (ETV6-Abl) Tyrosine Kinase. <i>Molecular and Cellular Biology</i> , 2004, 24, 4685-4695.	2.3	42
48	Bisindenoisoquinoline Bis-1,3- $\{$ (5,6-dihydro-5,11-diketo-11H-indeno[1,2-c]isoquinoline)-6-propylamino $\}$ propane bis(trifluoroacetate) (NSC 727357), a DNA Intercalator and Topoisomerase Inhibitor with Antitumor Activity. <i>Molecular Pharmacology</i> , 2006, 70, 1109-1120.	2.3	38
49	Probing Fibroblast Growth Factor Dimerization and Role of Heparin-like Glycosaminoglycans in Modulating Dimerization and Signaling. <i>Journal of Biological Chemistry</i> , 2001, 276, 23421-23429.	3.4	37
50	NERF2, a member of the Ets family of transcription factors, is increased in response to hypoxia and angiopoietin-1: A potential mechanism for Tie2 regulation during hypoxia. <i>Journal of Cellular Biochemistry</i> , 2002, 85, 505-515.	2.6	37
51	Schedule-Dependent Synergy between the Heat Shock Protein 90 Inhibitor 17-(Dimethylaminoethylamino)-17-Demethoxygeldanamycin and Doxorubicin Restores Apoptosis to p53-Mutant Lymphoma Cell Lines. <i>Clinical Cancer Research</i> , 2006, 12, 6547-6556.	7.0	35
52	Mechanism by which cAMP activates PI3-kinase and increases bile acid secretion in WIF-B9 cells. <i>American Journal of Physiology - Cell Physiology</i> , 2002, 283, C1655-C1666.	4.6	33
53	Molecular analysis reveals heterogeneity of mouse mammary tumors conditionally mutant for Brca1. <i>Molecular Cancer</i> , 2008, 7, 29.	19.2	33
54	Phorbol ester treatment inhibits phosphatidylinositol 3-kinase activation by, and association with, CD28, a T-lymphocyte surface receptor.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 8808-8812.	7.1	29

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55	Water-soluble HPMA copolymer-wortmannin conjugate retains phosphoinositide 3-kinase inhibitory activity in vitro and in vivo. <i>Journal of Controlled Release</i> , 2001, 74, 275-281.	9.9	29
56	Lung Cancer Stem Cells. <i>Disease Markers</i> , 2008, 24, 257-266.	1.3	29
57	High Quality ATAC-Seq Data Recovered from Cryopreserved Breast Cell Lines and Tissue. <i>Scientific Reports</i> , 2019, 9, 516.	3.3	26
58	Identifying environmental chemicals as agonists of the androgen receptor by using a quantitative high-throughput screening platform. <i>Toxicology</i> , 2017, 385, 48-58.	4.2	24
59	Endocrine disruptors of sex hormone activities. <i>Molecular and Cellular Endocrinology</i> , 2022, 539, 111415.	3.2	22
60	Rapamycin delays growth of Wnt-1 tumors in spite of suppression of host immunity. <i>BMC Cancer</i> , 2008, 8, 176.	2.6	20
61	Novel cell-based assay for detection of thyroid receptor beta-interacting environmental contaminants. <i>Toxicology</i> , 2016, 368-369, 69-79.	4.2	18
62	Phosphatidylinositol 3-Kinase Activity in Murine Erythroleukemia Cells during DMSO-Induced Differentiation. <i>Experimental Cell Research</i> , 1995, 219, 454-460.	2.6	16
63	Harnessing genetically engineered mouse models for preclinical testing. <i>Chemico-Biological Interactions</i> , 2008, 171, 159-164.	4.0	15
64	Pilot study of global endocrine disrupting activity in Iowa public drinking water utilities using cell-based assays. <i>Science of the Total Environment</i> , 2020, 714, 136317.	8.0	15
65	Genome-Wide Chromatin Landscape Transitions Identify Novel Pathways in Early Commitment to Osteoblast Differentiation. <i>PLoS ONE</i> , 2016, 11, e0148619.	2.5	15
66	Evidence for phosphatidylinositol 3-kinase-dependent T cell antigen receptor (TCR) signal transduction. <i>Molecular Immunology</i> , 1997, 34, 221-226.	2.2	14
67	P6981, An Arylstibonic Acid, Is a Novel Low Nanomolar Inhibitor of cAMP Response Element-Binding Protein Binding to DNA. <i>Molecular Pharmacology</i> , 2012, 82, 814-823.	2.3	13
68	Expression of Tie1 and Tie2 Proteins during Reendothelialization in Balloon-Injured Rat Carotid Artery. <i>Journal of Vascular Research</i> , 1999, 36, 272-281.	1.4	12
69	The arylstibonic acid compound NSC13746 disrupts B-ZIP binding to DNA in living cells. <i>European Journal of Cell Biology</i> , 2010, 89, 564-573.	3.6	12
70	Biosynthesis of porphyrin precursors: Kinetic studies on mammalian l-alanine: β -Dioxovaleric acid aminotransferase. <i>International Journal of Biochemistry & Cell Biology</i> , 1980, 12, 739-744.	0.5	10
71	Serine-Rich Region of the IL-2 Receptor β -Chain Is Required for Activation of Phosphatidylinositol 3-Kinase. <i>Cellular Immunology</i> , 1994, 156, 378-388.	3.0	10
72	Dynamin inhibits phosphatidylinositol 3-kinase in hematopoietic cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2001, 1538, 10-19.	4.1	9

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73	Chromatin in time and space. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2012, 1819, 631.	1.9	9
74	Naturally occurring ether-linked phosphatidylcholine activates phosphatidylinositol 3-kinase and stimulates cell growth. <i>Journal of Cellular Biochemistry</i> , 1994, 55, 146-153.	2.6	8
75	Mitogenic signaling by cyclic adenosine monophosphate in chromaffin cells involves phosphatidylinositol 3-kinase activation. <i>Journal of Cellular Biochemistry</i> , 2001, 81, 89-98.	2.6	7
76	Mapping multiple endocrine disrupting activities in Virginia rivers using effect-based assays. <i>Science of the Total Environment</i> , 2021, 773, 145602.	8.0	7
77	T-Lymphocyte Subpopulations in Homosexual Men. <i>New England Journal of Medicine</i> , 1983, 308, 398-399.	27.0	4
78	Effect of a xanthine analog on human hepatocellular carcinoma cells (Alexander) in culture and in xenografts in SCID mice. <i>Hepatology</i> , 1997, 26, 1195-1202.	7.3	4
79	Inactivation of wild-type BCR/ABL tyrosine kinase in hematopoietic cells by mild hyperthermia. <i>Leukemia</i> , 2000, 14, 845-852.	7.2	3
80	Role of PI 3-kinase in Angiopoietin-1-Mediated Migration and Attachment-Dependent Survival of Endothelial Cells. <i>Experimental Cell Research</i> , 2000, 255, 133.	2.6	1
81	Clinicopathological Features and Outcomes of T- and NK-Cell Lymphomas in European Russia. <i>Clinical Medicine Blood Disorders</i> , 2012, 5, CMBD.S7804.	0.2	0