Jukka Westermarck

List of Publications by Citations

99 papers	7,452 citations	38 h-index	86 g-index
112 ext. papers	8,405 ext. citations	8.4 avg, IF	5.95 L-index

#	Paper	IF	Citations
99	Regulation of matrix metalloproteinase expression in tumor invasion. *FASEB Journal*, **1999**, 13, 781-792	0.9	1276
98	Phosphatase-mediated crosstalk between MAPK signaling pathways in the regulation of cell survival. *FASEB Journal*, **2008**, 22, 954-65	0.9	635
97	CIP2A inhibits PP2A in human malignancies. *Cell*, **2007**, 130, 51-62	56.2	591
96	ColonyArea: an ImageJ plugin to automatically quantify colony formation in clonogenic assays. *PLoS ONE*, **2014**, 9, e92444	3.7	317
95	Multiple pathways regulated by the tumor suppressor PP2A in transformation. *Trends in Molecular Medicine*, **2008**, 14, 152-60	11.5	276
94	Integrated network analysis platform for protein-protein interactions. *Nature Methods*, **2009**, 6, 75-7	21.6	231
93	Integrin alpha 2 beta 1 is a positive regulator of collagenase (MMP-1) and collagen alpha 1(I) gene expression. *Journal of Biological Chemistry*, **1995**, 270, 13548-52	5.4	230
92	Collagenase-3 (MMP-13) is expressed by hypertrophic chondrocytes, periosteal cells, and osteoblasts during human fetal bone development. *Developmental Dynamics*, **1997**, 208, 387-97	2.9	225
91	CIP2A is associated with human breast cancer aggressivity. *Clinical Cancer Research*, **2009**, 15, 5092-100	12.9	190
90	Integrin alpha2beta1 mediates isoform-specific activation of p38 and upregulation of collagen gene transcription by a mechanism involving the alpha2 cytoplasmic tail. *Journal of Cell Biology*, **1999**, 147, 401-16	7.3	190
89	Enhancement of fibroblast collagenase (matrix metalloproteinase-1) gene expression by ceramide is mediated by extracellular signal-regulated and stress-activated protein kinase pathways. *Journal of Biological Chemistry*, **1998**, 273, 5137-45	5.4	171
88	p38 mitogen-activated protein kinase-dependent activation of protein phosphatases 1 and 2A inhibits MEK1 and MEK2 activity and collagenase 1 (MMP-1) gene expression. *Molecular and Cellular Biology*, **2001**, 21, 2373-83	4.8	170
87	MYC-dependent regulation and prognostic role of CIP2A in gastric cancer. *Journal of the National Cancer Institute*, **2009**, 101, 793-805	9.7	157
86	Regulation of membrane-type matrix metalloproteinase-1 expression by growth factors and phorbol 12-myristate 13-acetate. *FEBS Journal*, **1996**, 239, 239-47		152
85	Large-scale data integration framework provides a comprehensive view on glioblastoma multiforme. *Genome Medicine*, **2010**, 2, 65	14.4	133
84	Differential regulation of interstitial collagenase (MMP-1) gene expression by ETS transcription factors. *Oncogene*, **1997**, 14, 2651-60	9.2	128
83	Cancerous inhibitor of protein phosphatase 2A, an emerging human oncoprotein and a potential cancer therapy target. *Cancer Research*, **2013**, 73, 6548-53	10.1	117

82	Mechanisms of MYC stabilization in human malignancies. *Cell Cycle*, **2008**, 7, 592-6	4.7	115
81	Single-step Strep-tag purification for the isolation and identification of protein complexes from mammalian cells. *Proteomics*, **2005**, 5, 1199-203	4.8	96
80	Senescence sensitivity of breast cancer cells is defined by positive feedback loop between CIP2A and E2F1. *Cancer Discovery*, **2013**, 3, 182-97	24.4	90
79	The DEXD/H-box RNA helicase RHII/Gu is a co-factor for c-Jun-activated transcription. *EMBO Journal*, **2002**, 21, 451-60	13	87
78	IKAP localizes to membrane ruffles with filamin A and regulates actin cytoskeleton organization and cell migration. *Journal of Cell Science*, **2008**, 121, 854-64	5.3	80
77	Enhancement of fibroblast collagenase-1 (MMP-1) gene expression by tumor promoter okadaic acid is mediated by stress-activated protein kinases Jun N-terminal kinase and p38. *Matrix Biology*, **1998**, 17, 547-57	11.4	77
76	PP2A inhibition is a druggable MEK inhibitor resistance mechanism in KRAS-mutant lung cancer cells. *Science Translational Medicine*, **2018**, 10,	17.5	72
75	Normal stroma suppresses cancer cell proliferation via mechanosensitive regulation of JMJD1a-mediated transcription. *Nature Communications*, **2016**, 7, 12237	17.4	71
74	p38 Mitogen-activated protein kinase pathway suppresses cell survival by inducing dephosphorylation of mitogen-activated protein/extracellular signal-regulated kinase kinase1,2. *Cancer Research*, **2003**, 63, 3473-7	10.1	66
73	Mesoporous silica nanoparticles with redox-responsive surface linkers for charge-reversible loading and release of short oligonucleotides. *Dalton Transactions*, **2014**, 43, 4115-26	4.3	65
72	PME-1 protects extracellular signal-regulated kinase pathway activity from protein phosphatase 2A-mediated inactivation in human malignant glioma. *Cancer Research*, **2009**, 69, 2870-7	10.1	65
71	Oncoprotein CIP2A is stabilized via interaction with tumor suppressor PP2A/B56. *EMBO Reports*, **2017**, 18, 437-450	6.5	61
70	Identification of protein interactions involved in cellular signaling. *Molecular and Cellular Proteomics*, **2013**, 12, 1752-63	7.6	60
69	Non-genomic mechanisms of protein phosphatase 2A (PP2A) regulation in cancer. *International Journal of Biochemistry and Cell Biology*, **2018**, 96, 157-164	5.6	50
68	ETS1 mediates MEK1/2-dependent overexpression of cancerous inhibitor of protein phosphatase 2A (CIP2A) in human cancer cells. *PLoS ONE*, **2011**, 6, e17979	3.7	49
67	Hypoxia-activated Smad3-specific dephosphorylation by PP2A. *Journal of Biological Chemistry*, **2010** , 285, 3740-3749	5.4	44
66	CIP2A promotes proliferation of spermatogonial progenitor cells and spermatogenesis in mice. *PLoS ONE*, **2012**, 7, e33209	3.7	43
65	DNA topoisomerase I is a cofactor for c-Jun in the regulation of epidermal growth factor receptor expression and cancer cell proliferation. *Molecular and Cellular Biology*, **2005**, 25, 5040-51	4.8	40

64	CIP2A Causes Tau/APP Phosphorylation, Synaptopathy, and Memory Deficits in Alzheimer's Disease. *Cell Reports*, **2018**, 24, 713-723	10.6	39
63	Label-free quantitative phosphoproteomics with novel pairwise abundance normalization reveals synergistic RAS and CIP2A signaling. *Scientific Reports*, **2015**, 5, 13099	4.9	38
62	Stimuli-responsive hybrid nanocarriers developed by controllable integration of hyperbranched PEI with mesoporous silica nanoparticles for sustained intracellular siRNA delivery. *International Journal of Nanomedicine*, **2016**, 11, 6591-6608	7.3	38
61	Serine 62-Phosphorylated MYC Associates with Nuclear Lamins and Its Regulation by CIP2A Is Essential for Regenerative Proliferation. *Cell Reports*, **2015**, 12, 1019-31	10.6	37
60	CIP2A is an Oct4 target gene involved in head and neck squamous cell cancer oncogenicity and radioresistance. *Oncotarget*, **2015**, 6, 144-58	3.3	37
59	Differential regulation of the AP-1 family members by UV irradiation in vitro and in vivo. *Cellular Signalling*, **1998**, 10, 191-5	4.9	36
58	c-Jun supports ribosomal RNA processing and nucleolar localization of RNA helicase DDX21. *Journal of Biological Chemistry*, **2008**, 283, 7046-53	5.4	36
57	Chk1 targeting reactivates PP2A tumor suppressor activity in cancer cells. *Cancer Research*, **2013**, 73, 6757-69	10.1	35
56	Regulation of protein phosphatase 2A (PP2A) tumor suppressor function by PME-1. *Biochemical Society Transactions*, **2016**, 44, 1683-1693	5.1	33
55	Thioridazine inhibits autophagy and sensitizes glioblastoma cells to temozolomide. *International Journal of Cancer*, **2019**, 144, 1735-1745	7.5	33
54	Activation of p53 in cervical cancer cells by human papillomavirus E6 RNA interference is transient, but can be sustained by inhibiting endogenous nuclear export-dependent p53 antagonists. *Cancer Research*, **2006**, 66, 11817-24	10.1	32
53	Differential regulation of decorin and biglycan gene expression by dexamethasone and retinoic acid in cultured human skin fibroblasts. *Journal of Investigative Dermatology*, **1995**, 104, 503-8	4.3	32
52	PP2A Inhibitor PME-1 Drives Kinase Inhibitor Resistance in Glioma Cells. *Cancer Research*, **2016**, 76, 7001-7011	10.1	30
51	Optimized design and analysis of preclinical intervention studies in vivo. *Scientific Reports*, **2016**, 6, 30723	4.9	28
50	Targeted therapies don't work for a reason; the neglected tumor suppressor phosphatase PP2A strikes back. *FEBS Journal*, **2018**, 285, 4139-4145	5.7	27
49	CIP2A increases self-renewal and is linked to Myc in neural progenitor cells. *Differentiation*, **2010**, 80, 68-77	3.5	27
48	Molecular pathways: harnessing E2F1 regulation for prosenescence therapy in p53-defective cancer cells. *Clinical Cancer Research*, **2014**, 20, 3644-50	12.9	26
47	PP2A Inactivation Mediated by Haploinsufficiency Promotes Cancer Development. *Cancer Research*, **2017**, 77, 6825-6837	10.1	24

46	Identification and regulation of a stage-specific stem cell niche enriched by Nanog-positive spermatogonial stem cells in the mouse testis. *Stem Cells*, **2012**, 30, 1008-20	5.8	24
45	Regulation of transcription factor function by targeted protein degradation: an overview focusing on p53, c-Myc, and c-Jun. *Methods in Molecular Biology*, **2010**, 647, 31-6	1.4	23
44	PRELI is a mitochondrial regulator of human primary T-helper cell apoptosis, STAT6, and Th2-cell differentiation. *Blood*, **2009**, 113, 1268-77	2.2	22
43	Enhanced expression of MycN/CIP2A drives neural crest toward a neural stem cell-like fate: Implications for priming of neuroblastoma. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E7351-E7360	11.5	21
42	CIP2A is a candidate therapeutic target in clinically challenging prostate cancer cell populations. *Oncotarget*, **2015**, 6, 19661-70	3.3	21
41	Nucleolar AATF regulates c-Jun-mediated apoptosis. *Molecular Biology of the Cell*, **2012**, 23, 4323-32	3.5	20
40	The PP2A-Integrator-CDK9 axis fine-tunes transcription and can be targeted therapeutically in cancer. *Cell*, **2021**, 184, 3143-3162.e32	56.2	20
39	Phosphoproteome and drug-response effects mediated by the three protein phosphatase 2A inhibitor proteins CIP2A, SET, and PME-1. *Journal of Biological Chemistry*, **2020**, 295, 4194-4211	5.4	19
38	Transcription of alpha2 integrin gene in osteosarcoma cells is enhanced by tumor promoters. *Experimental Cell Research*, **1998**, 243, 1-10	4.2	19
37	TNF-R55-specific form of human tumor necrosis factor-alpha induces collagenase gene expression by human skin fibroblasts. *Journal of Investigative Dermatology*, **1995**, 105, 197-202	4.3	19
36	Inactivation of PP2A by a recurrent mutation drives resistance to MEK inhibitors. *Oncogene*, **2020**, 39, 703-717	9.2	16
35	Druggable cancer phosphatases. *Science Translational Medicine*, **2021**, 13,	17.5	15
34	(2S, 4R)-4-[F]Fluoroglutamine for In vivo PET Imaging of Glioma Xenografts in Mice: an Evaluation of Multiple Pharmacokinetic Models. *Molecular Imaging and Biology*, **2020**, 22, 969-978	3.8	13
33	PWP1 Mediates Nutrient-Dependent Growth Control through Nucleolar Regulation of Ribosomal Gene Expression. *Developmental Cell*, **2017**, 43, 240-252.e5	10.2	12
32	Is Coamplified with in Breast Tumors and Encodes an Ubiquitin Ligase That Limits MYC-Dependent Apoptosis. *Cancer Research*, **2020**, 80, 1414-1427	10.1	12
31	Protein phosphatase methylesterase-1 (PME-1) expression predicts a favorable clinical outcome in colorectal cancer. *Cancer Medicine*, **2015**, 4, 1798-808	4.8	12
30	Relevance Rank Platform (RRP) for Functional Filtering of High Content Protein-Protein Interaction Data. *Molecular and Cellular Proteomics*, **2015**, 14, 3274-83	7.6	12
29	KSHV viral cyclin interferes with T-cell development and induces lymphoma through Cdk6 and Notch activation in vivo. *Cell Cycle*, **2014**, 13, 3670-84	4.7	12

28	CIP2A Promotes T-Cell Activation and Immune Response to Listeria monocytogenes Infection. *PLoS ONE*, **2016**, 11, e0152996	3.7	12
27	Piecing Together a Broken Tumor Suppressor Phosphatase for Cancer Therapy. *Cell*, **2020**, 181, 514-517	56.2	11
26	Protein phosphatase 2A (PP2A) inhibitor CIP2A indicates resistance to radiotherapy in rectal cancer. *Cancer Medicine*, **2018**, 7, 698-706	4.8	11
25	Direct Activation of Protein Phosphatase 2A (PP2A) by Tricyclic Sulfonamides Ameliorates Alzheimer's Disease Pathogenesis in Cell and Animal Models. *Neurotherapeutics*, **2020**, 17, 1087-1103	6.4	10
24	CIP2A-promoted astrogliosis induces AD-like synaptic degeneration and cognitive deficits. *Neurobiology of Aging*, **2019**, 75, 198-208	5.6	10
23	Arpp19 Promotes Myc and Cip2a Expression and Associates with Patient Relapse in Acute Myeloid Leukemia. *Cancers*, **2019**, 11,	6.6	8
22	CIP2A Constrains Th17 Differentiation by Modulating STAT3 Signaling. *IScience*, **2020**, 23, 100947	6.1	7
21	Monotherapy efficacy of blood-brain barrier permeable small molecule reactivators of protein phosphatase 2A in glioblastoma. *Brain Communications*, **2020**, 2, fcaa002	4.5	7
20	Identification of nucleolar effects in JNK-deficient cells. *FEBS Letters*, **2008**, 582, 3145-51	3.8	7
19	Potential role for inhibition of protein phosphatase 2A tumor suppressor in salivary gland malignancies. *Genes Chromosomes and Cancer*, **2016**, 55, 69-81	5	6
18	Discovery of a Novel CIP2A Variant (NOCIVA) with Clinical Relevance in Predicting TKI Resistance in Myeloid Leukemias. *Clinical Cancer Research*, **2021**, 27, 2848-2860	12.9	5
17	Copy number increase of oncoprotein CIP2A is associated with poor patient survival in human head and neck squamous cell carcinoma. *Journal of Oral Pathology and Medicine*, **2016**, 45, 329-37	3.3	5
16	Genistein Decreases APP/tau Phosphorylation and Ameliorates A□Overproduction Through Inhibiting CIP2A. *Current Alzheimer Research*, **2019**, 16, 732-740	3	4
15	CIP2A Interacts with TopBP1 and Drives Basal-Like Breast Cancer Tumorigenesis. *Cancer Research*, **2021**, 81, 4319-4331	10.1	4
14	Protein interactome of the Cancerous Inhibitor of protein phosphatase 2A (CIP2A) in Th17 cells. *Current Research in Immunology*, **2020**, 1, 10-22	1	3
13	Rules for PP2A-controlled phosphosignalling and drug responses		3
12	Good Guy in Bad Company: How STRNs Convert PP2A into an Oncoprotein. *Cancer Cell*, **2020**, 38, 20-22	24.3	3
11	PP2A inhibitor PME-1 suppresses anoikis, and is associated with therapy relapse of PTEN-deficient prostate cancers		2

List of Publications

10	Circumventing Drug Treatment? Intrinsic Lethal Effects of Polyethyleneimine (PEI)-Functionalized Nanoparticles on Glioblastoma Cells Cultured in Stem Cell Conditions. *Cancers*, **2021**, 13,	6.6	2
9	Chk1 Inhibition Ameliorates Alzheimer's Disease Pathogenesis and Cognitive Dysfunction Through CIP2A/PP2A Signaling.. *Neurotherapeutics*, **2022**, 1	6.4	2
8	MYC is not detected in highly proliferating normal spermatogonia but is coupled with CIP2A in testicular cancers. *Matters*, **2016**, 2016,	0	1
7	Monotherapy efficacy of BBB-permeable small molecule activators of PP2A in glioblastoma		1
6	Discovery of NOvel CIP2A VAriant (NOCIVA) and its clinical relevance in myeloid leukemias		1
5	A PP2A-Integrator complex fine-tunes transcription by opposing CDK9		1
4	Potential Targeting Ph+ Acute Lymphoblastic Leukemia Stem and Progenitor Cells By Modulating the CIP2A-SET-SETBP1 -Mediated Suppression of PP2A Activity. *Blood*, **2016**, 128, 2909-2909	2.2	1
3	Cancer cell line microarray as a novel screening method for identification of radioresistance biomarkers in head and neck squamous cell carcinoma. *BMC Cancer*, **2021**, 21, 868	4.8	1
2	Cancer stem cell phosphatases. *Biochemical Journal*, **2021**, 478, 2899-2920	3.8	1
1	Cisplatin overcomes radiotherapy resistance in OCT4-expressing head and neck squamous cell carcinoma.. *Oral Oncology*, **2022**, 127, 105772	4.4	0