

Jukka Westermarck

List of Publications by Year in descending order

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Version: 2024-02-01

98
papers

9,118
citations

66234

42
h-index

43802

91
g-index

112
all docs

112
docs citations

112
times ranked

12172
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of matrix metalloproteinase expression in tumor invasion. <i>FASEB Journal</i> , 1999, 13, 781-792.	0.2	1,390
2	Phosphatase-mediated crosstalk between MAPK signaling pathways in the regulation of cell survival. <i>FASEB Journal</i> , 2008, 22, 954-965.	0.2	714
3	CIP2A Inhibits PP2A in Human Malignancies. <i>Cell</i> , 2007, 130, 51-62.	13.5	662
4	ColonyArea: An ImageJ Plugin to Automatically Quantify Colony Formation in Clonogenic Assays. <i>PLoS ONE</i> , 2014, 9, e92444.	1.1	505
5	Multiple pathways regulated by the tumor suppressor PP2A in transformation. <i>Trends in Molecular Medicine</i> , 2008, 14, 152-160.	3.5	304
6	Integrated network analysis platform for protein-protein interactions. <i>Nature Methods</i> , 2009, 6, 75-77.	9.0	278
7	Integrin $\alpha 2 \beta 1$ Is a Positive Regulator of Collagenase (MMP-1) and Collagen $\alpha 1(I)$ Gene Expression. <i>Journal of Biological Chemistry</i> , 1995, 270, 13548-13552.	1.6	263
8	Collagenase-3 (MMP-13) is expressed by hypertrophic chondrocytes, periosteal cells, and osteoblasts during human fetal bone development. , 1997, 208, 387-397.		262
9	Integrin $\alpha 2 \beta 1$ Mediates Isoform-Specific Activation of p38 and Upregulation of Collagen Gene Transcription by a Mechanism Involving the $\alpha 2$ Cytoplasmic Tail. <i>Journal of Cell Biology</i> , 1999, 147, 401-416.	2.3	206
10	CIP2A Is Associated with Human Breast Cancer Aggressivity. <i>Clinical Cancer Research</i> , 2009, 15, 5092-5100.	3.2	205
11	MYC-Dependent Regulation and Prognostic Role of CIP2A in Gastric Cancer. <i>Journal of the National Cancer Institute</i> , 2009, 101, 793-805.	3.0	186
12	Enhancement of Fibroblast Collagenase (Matrix Metalloproteinase-1) Gene Expression by Ceramide Is Mediated by Extracellular Signal-regulated and Stress-activated Protein Kinase Pathways. <i>Journal of Biological Chemistry</i> , 1998, 273, 5137-5145.	1.6	184
13	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. <i>Molecular and Cellular Biology</i> , 2001, 21, 2373-2383.	1.1	183
14	Regulation of Membrane-Type Matrix Metalloproteinase-1 Expression by Growth Factors and Phorbol 12-Myristate 13-Acetate. <i>FEBS Journal</i> , 1996, 239, 239-247.	0.2	167
15	Large-scale data integration framework provides a comprehensive view on glioblastoma multiforme. <i>Genome Medicine</i> , 2010, 2, 65.	3.6	145
16	Differential regulation of interstitial collagenase (MMP-1) gene expression by ETS transcription factors. <i>Oncogene</i> , 1997, 14, 2651-2660.	2.6	136
17	Cancerous Inhibitor of Protein Phosphatase 2A, an Emerging Human Oncoprotein and a Potential Cancer Therapy Target. <i>Cancer Research</i> , 2013, 73, 6548-6553.	0.4	135
18	Mechanisms of MYC stabilization in human malignancies. <i>Cell Cycle</i> , 2008, 7, 592-596.	1.3	129

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19	Senescence Sensitivity of Breast Cancer Cells Is Defined by Positive Feedback Loop between CIP2A and E2F1. <i>Cancer Discovery</i> , 2013, 3, 182-197.	7.7	117
20	PP2A inhibition is a druggable MEK inhibitor resistance mechanism in KRAS-mutant lung cancer cells. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	116
21	Single-step Strep-tag [®] purification for the isolation and identification of protein complexes from mammalian cells. <i>Proteomics</i> , 2005, 5, 1199-1203.	1.3	108
22	Normal stroma suppresses cancer cell proliferation via mechanosensitive regulation of JMJD1a-mediated transcription. <i>Nature Communications</i> , 2016, 7, 12237.	5.8	105
23	The PP2A-Integrator-CDK9 axis fine-tunes transcription and can be targeted therapeutically in cancer. <i>Cell</i> , 2021, 184, 3143-3162.e32.	13.5	103
24	The DEXD/H-box RNA helicase RHII/Gu is a co-factor for c-Jun-activated transcription. <i>EMBO Journal</i> , 2002, 21, 451-460.	3.5	96
25	IKAP localizes to membrane ruffles with filamin A and regulates actin cytoskeleton organization and cell migration. <i>Journal of Cell Science</i> , 2008, 121, 854-864.	1.2	90
26	Identification of Protein Interactions Involved in Cellular Signaling. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 1752-1763.	2.5	84
27	Oncoprotein CIP2A is stabilized via interaction with tumor suppressor PP2A/B56. <i>EMBO Reports</i> , 2017, 18, 437-450.	2.0	84
28	Non-genomic mechanisms of protein phosphatase 2A (PP2A) regulation in cancer. <i>International Journal of Biochemistry and Cell Biology</i> , 2018, 96, 157-164.	1.2	84
29	PME-1 Protects Extracellular Signal-Regulated Kinase Pathway Activity from Protein Phosphatase 2A-Mediated Inactivation in Human Malignant Glioma. <i>Cancer Research</i> , 2009, 69, 2870-2877.	0.4	80
30	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. <i>Matrix Biology</i> , 1998, 17, 547-557.	1.5	78
31	Mesoporous silica nanoparticles with redox-responsive surface linkers for charge-reversible loading and release of short oligonucleotides. <i>Dalton Transactions</i> , 2014, 43, 4115.	1.6	74
32	p38 Mitogen-activated protein kinase pathway suppresses cell survival by inducing dephosphorylation of mitogen-activated protein/extracellular signal-regulated kinase kinase1,2. <i>Cancer Research</i> , 2003, 63, 3473-7.	0.4	73
33	CIP2A Causes Tau/APP Phosphorylation, Synaptopathy, and Memory Deficits in Alzheimer's Disease. <i>Cell Reports</i> , 2018, 24, 713-723.	2.9	72
34	Druggable cancer phosphatases. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	64
35	Thioridazine inhibits autophagy and sensitizes glioblastoma cells to temozolomide. <i>International Journal of Cancer</i> , 2019, 144, 1735-1745.	2.3	63
36	ETS1 Mediates MEK1/2-Dependent Overexpression of Cancerous Inhibitor of Protein Phosphatase 2A (CIP2A) in Human Cancer Cells. <i>PLoS ONE</i> , 2011, 6, e17979.	1.1	57

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37	Stimuli-responsive hybrid nanocarriers developed by controllable integration of hyperbranched PEI with mesoporous silica nanoparticles for sustained intracellular siRNA delivery. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 6591-6608.	3.3	53
38	Serine 62-Phosphorylated MYC Associates with Nuclear Lamins and Its Regulation by CIP2A Is Essential for Regenerative Proliferation. <i>Cell Reports</i> , 2015, 12, 1019-1031.	2.9	50
39	Hypoxia-activated Smad3-specific Dephosphorylation by PP2A. <i>Journal of Biological Chemistry</i> , 2010, 285, 3740-3749.	1.6	49
40	CIP2A Promotes Proliferation of Spermatogonial Progenitor Cells and Spermatogenesis in Mice. <i>PLoS ONE</i> , 2012, 7, e33209.	1.1	49
41	Label-free quantitative phosphoproteomics with novel pairwise abundance normalization reveals synergistic RAS and CIP2A signaling. <i>Scientific Reports</i> , 2015, 5, 13099.	1.6	49
42	Targeted therapies don't work for a reason; the neglected tumor suppressor phosphatase PP2A strikes back. <i>FEBS Journal</i> , 2018, 285, 4139-4145.	2.2	49
43	Phosphoproteome and drug-response effects mediated by the three protein phosphatase 2A inhibitor proteins CIP2A, SET, and PME-1. <i>Journal of Biological Chemistry</i> , 2020, 295, 4194-4211.	1.6	48
44	CIP2A is an Oct4 target gene involved in head and neck squamous cell cancer oncogenicity and radioresistance. <i>Oncotarget</i> , 2015, 6, 144-158.	0.8	48
45	DNA Topoisomerase I Is a Cofactor for c-Jun in the Regulation of Epidermal Growth Factor Receptor Expression and Cancer Cell Proliferation. <i>Molecular and Cellular Biology</i> , 2005, 25, 5040-5051.	1.1	47
46	c-Jun Supports Ribosomal RNA Processing and Nucleolar Localization of RNA Helicase DDX21. <i>Journal of Biological Chemistry</i> , 2008, 283, 7046-7053.	1.6	46
47	Regulation of protein phosphatase 2A (PP2A) tumor suppressor function by PME-1. <i>Biochemical Society Transactions</i> , 2016, 44, 1683-1693.	1.6	46
48	Differential Regulation of Decorin and Biglycan Gene Expression by Dexamethasone and Retinoic Acid in Cultured Human Skin Fibroblasts. <i>Journal of Investigative Dermatology</i> , 1995, 104, 503-508.	0.3	43
49	Chk1 Targeting Reactivates PP2A Tumor Suppressor Activity in Cancer Cells. <i>Cancer Research</i> , 2013, 73, 6757-6769.	0.4	41
50	PP2A Inhibitor PME-1 Drives Kinase Inhibitor Resistance in Glioma Cells. <i>Cancer Research</i> , 2016, 76, 7001-7011.	0.4	41
51	Differential Regulation of the AP-1 Family Members by UV Irradiation In Vitro and In Vivo. <i>Cellular Signalling</i> , 1998, 10, 191-195.	1.7	38
52	Enhanced expression of MycN/CIP2A drives neural crest toward a neural stem cell-like fate: Implications for priming of neuroblastoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E7351-E7360.	3.3	37
53	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. <i>Cancer Research</i> , 2006, 66, 11817-11824.	0.4	36
54	Optimized design and analysis of preclinical intervention studies in vivo. <i>Scientific Reports</i> , 2016, 6, 30723.	1.6	36

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55	<i>UBR5</i> Is Coamplified with <i>MYC</i> in Breast Tumors and Encodes an Ubiquitin Ligase That Limits MYC-Dependent Apoptosis. <i>Cancer Research</i> , 2020, 80, 1414-1427.	0.4	35
56	PP2A Inactivation Mediated by <i>PPP2R4</i> Haploinsufficiency Promotes Cancer Development. <i>Cancer Research</i> , 2017, 77, 6825-6837.	0.4	34
57	Molecular Pathways: Harnessing E2F1 Regulation for Prosenescence Therapy in p53-Defective Cancer Cells. <i>Clinical Cancer Research</i> , 2014, 20, 3644-3650.	3.2	32
58	CIP2A increases self-renewal and is linked to Myc in neural progenitor cells. <i>Differentiation</i> , 2010, 80, 68-77.	1.0	29
59	Identification and Regulation of a Stage-Specific Stem Cell Niche Enriched by Nanog-Positive Spermatogonial Stem Cells in the Mouse Testis. <i>Stem Cells</i> , 2012, 30, 1008-1020.	1.4	28
60	Monotherapy efficacy of blood-brain barrier permeable small molecule reactivators of protein phosphatase 2A in glioblastoma. <i>Brain Communications</i> , 2020, 2, fcaa002.	1.5	28
61	Regulation of Transcription Factor Function by Targeted Protein Degradation: An Overview Focusing on p53, c-Myc, and c-Jun. <i>Methods in Molecular Biology</i> , 2010, 647, 31-36.	0.4	26
62	Direct Activation of Protein Phosphatase 2A (PP2A) by Tricyclic Sulfonamides Ameliorates Alzheimer's Disease Pathogenesis in Cell and Animal Models. <i>Neurotherapeutics</i> , 2020, 17, 1087-1103.	2.1	26
63	CIP2A Interacts with TopBP1 and Drives Basal-Like Breast Cancer Tumorigenesis. <i>Cancer Research</i> , 2021, 81, 4319-4331.	0.4	26
64	CIP2A is a candidate therapeutic target in clinically challenging prostate cancer cell populations. <i>Oncotarget</i> , 2015, 6, 19661-19670.	0.8	26
65	PREL1 is a mitochondrial regulator of human primary T-helper cell apoptosis, STAT6, and Th2-cell differentiation. <i>Blood</i> , 2009, 113, 1268-1277.	0.6	24
66	Nucleolar AATF regulates c-Jun-mediated apoptosis. <i>Molecular Biology of the Cell</i> , 2012, 23, 4323-4332.	0.9	24
67	PWP1 Mediates Nutrient-Dependent Growth Control through Nucleolar Regulation of Ribosomal Gene Expression. <i>Developmental Cell</i> , 2017, 43, 240-252.e5.	3.1	24
68	Inactivation of PP2A by a recurrent mutation drives resistance to MEK inhibitors. <i>Oncogene</i> , 2020, 39, 703-717.	2.6	24
69	TNF-R55-Specific Form of Human Tumor Necrosis Factor- α Induces Collagenase Gene Expression by Human Skin Fibroblasts. <i>Journal of Investigative Dermatology</i> , 1995, 105, 197-202.	0.3	23
70	Piecing Together a Broken Tumor Suppressor Phosphatase for Cancer Therapy. <i>Cell</i> , 2020, 181, 514-517.	18.5	23
71	Transcription of β 2 Integrin Gene in Osteosarcoma Cells Is Enhanced by Tumor Promoters. <i>Experimental Cell Research</i> , 1998, 243, 1-10.	1.2	20
72	Relevance Rank Platform (RRP) for Functional Filtering of High Content Protein-Protein Interaction Data*. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 3274-3283.	2.5	19

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73	CIP2A-promoted astrogliosis induces AD-like synaptic degeneration and cognitive deficits. <i>Neurobiology of Aging</i> , 2019, 75, 198-208.	1.5	19
74	CIP2A Promotes T-Cell Activation and Immune Response to <i>Listeria monocytogenes</i> Infection. <i>PLoS ONE</i> , 2016, 11, e0152996.	1.1	17
75	(2S, 4R)-4-[¹⁸ F]Fluoroglutamine for In vivo PET Imaging of Glioma Xenografts in Mice: an Evaluation of Multiple Pharmacokinetic Models. <i>Molecular Imaging and Biology</i> , 2020, 22, 969-978.	1.3	16
76	Protein phosphatase 2A (PP2A) inhibitor CIP2A indicates resistance to radiotherapy in rectal cancer. <i>Cancer Medicine</i> , 2018, 7, 698-706.	1.3	15
77	Protein phosphatase methylesterase-1 (PME^1) expression predicts a favorable clinical outcome in colorectal cancer. <i>Cancer Medicine</i> , 2015, 4, 1798-1808.	1.3	14
78	Chk1 Inhibition Ameliorates Alzheimer's Disease Pathogenesis and Cognitive Dysfunction Through CIP2A/PP2A Signaling. <i>Neurotherapeutics</i> , 2022, 19, 570-591.	2.1	14
79	KSHV viral cyclin interferes with T-cell development and induces lymphoma through Cdk6 and Notch activation in vivo. <i>Cell Cycle</i> , 2014, 13, 3670-3684.	1.3	13
80	CIP2A Constrains Th17 Differentiation by Modulating STAT3 Signaling. <i>IScience</i> , 2020, 23, 100947.	1.9	12
81	Discovery of a Novel CIP2A Variant (NOCIVA) with Clinical Relevance in Predicting TKI Resistance in Myeloid Leukemias. <i>Clinical Cancer Research</i> , 2021, 27, 2848-2860.	3.2	11
82	Arpp19 Promotes Myc and Cip2a Expression and Associates with Patient Relapse in Acute Myeloid Leukemia. <i>Cancers</i> , 2019, 11, 1774.	1.7	10
83	Good Guy in Bad Company: How STRNs Convert PP2A into an Oncoprotein. <i>Cancer Cell</i> , 2020, 38, 20-22.	7.7	10
84	Genistein Decreases APP/tau Phosphorylation and Ameliorates $\text{A}\beta^2$ Overproduction Through Inhibiting CIP2A. <i>Current Alzheimer Research</i> , 2019, 16, 732-740.	0.7	10
85	Circumventing Drug Treatment? Intrinsic Lethal Effects of Polyethyleneimine (PEI)-Functionalized Nanoparticles on Glioblastoma Cells Cultured in Stem Cell Conditions. <i>Cancers</i> , 2021, 13, 2631.	1.7	9
86	Copy number increase of oncoprotein CIP^2A is associated with poor patient survival in human head and neck squamous cell carcinoma. <i>Journal of Oral Pathology and Medicine</i> , 2016, 45, 329-337.	1.4	8
87	Identification of nucleolar effects in JNK-deficient cells. <i>FEBS Letters</i> , 2008, 582, 3145-3151.	1.3	7
88	Cisplatin overcomes radiotherapy resistance in OCT4-expressing head and neck squamous cell carcinoma. <i>Oral Oncology</i> , 2022, 127, 105772.	0.8	7
89	Potential role for inhibition of protein phosphatase 2A tumor suppressor in salivary gland malignancies. <i>Genes Chromosomes and Cancer</i> , 2016, 55, 69-81.	1.5	6
90	Protein interactome of the Cancerous Inhibitor of protein phosphatase 2A (CIP2A) in Th17 cells. <i>Current Research in Immunology</i> , 2020, 1, 10-22.	1.2	6

