

Takeshi Urano

List of Publications by Year in descending order

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113
papers

8,109
citations

36303

51
h-index

49909

87
g-index

114
all docs

114
docs citations

114
times ranked

8948
citing authors

#	ARTICLE	IF	CITATIONS
1	Gene silencing in cancer by histone H3 lysine 27 trimethylation independent of promoter DNA methylation. <i>Nature Genetics</i> , 2008, 40, 741-750.	21.4	554
2	Involvement of Ral GTPase in v-Src-induced phospholipase D activation. <i>Nature</i> , 1995, 378, 409-412.	27.8	268
3	Heterochromatin and RNAi Are Required to Establish CENP-A Chromatin at Centromeres. <i>Science</i> , 2008, 319, 94-97.	12.6	259
4	RNA Polymerase II Is Required for RNAi-Dependent Heterochromatin Assembly. <i>Science</i> , 2005, 309, 467-469.	12.6	258
5	Autophosphorylation of a Newly Identified Site of Aurora-B Is Indispensable for Cytokinesis. <i>Journal of Biological Chemistry</i> , 2004, 279, 12997-13003.	3.4	201
6	Evidence for a Ras/Ral signaling cascade. <i>Trends in Biochemical Sciences</i> , 1996, 21, 438-441.	7.5	200
7	Telomere Binding Protein Taz1 Establishes Swi6 Heterochromatin Independently of RNAi at Telomeres. <i>Current Biology</i> , 2005, 15, 1808-1819.	3.9	199
8	A chromodomain protein, Chp1, is required for the establishment of heterochromatin in fission yeast. <i>EMBO Journal</i> , 2004, 23, 3825-3835.	7.8	192
9	Targeted Disruption of Gb3/CD77 Synthase Gene Resulted in the Complete Deletion of Globo-series Glycosphingolipids and Loss of Sensitivity to Verotoxins. <i>Journal of Biological Chemistry</i> , 2006, 281, 10230-10235.	3.4	175
10	Silencing effect of CpG island hypermethylation and histone modifications on O6-methylguanine-DNA methyltransferase (MGMT) gene expression in human cancer. <i>Oncogene</i> , 2003, 22, 8835-8844.	5.9	164
11	Complex formation of Plk1 and INCENP required for metaphase-anaphase transition. <i>Nature Cell Biology</i> , 2006, 8, 180-187.	10.3	159
12	Synthetic Heterochromatin Bypasses RNAi and Centromeric Repeats to Establish Functional Centromeres. <i>Science</i> , 2009, 324, 1716-1719.	12.6	147
13	Mechanism of Aurora-B Degradation and Its Dependency on Intact KEN and A-Boxes: Identification of an Aneuploidy-Promoting Property. <i>Molecular and Cellular Biology</i> , 2005, 25, 4977-4992.	2.3	146
14	Molecular Cloning of a Novel $\hat{1}\pm$ 2,3-Sialyltransferase (ST3Gal VI) That Sialylates Type II Lactosamine Structures on Glycoproteins and Glycolipids. <i>Journal of Biological Chemistry</i> , 1999, 274, 11479-11486.	3.4	145
15	Molecular Basis for the Progeroid Variant of Ehlers-Danlos Syndrome. <i>Journal of Biological Chemistry</i> , 1999, 274, 28841-28844.	3.4	142
16	Aurora-B associated protein phosphatases as negative regulators of kinase activation. <i>Oncogene</i> , 2002, 21, 3103-3111.	5.9	142
17	Tyrosine Phosphorylation of Crk-associated Substrates by Focal Adhesion Kinase. <i>Journal of Biological Chemistry</i> , 1997, 272, 29083-29090.	3.4	140
18	Ganglioside GD3 promotes cell growth and invasion through p130Cas and paxillin in malignant melanoma cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 11041-11046.	7.1	140

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19	Trichoplein and Aurora A block aberrant primary cilia assembly in proliferating cells. <i>Journal of Cell Biology</i> , 2012, 197, 391-405.	5.2	140
20	Degradation of human Aurora2 protein kinase by the anaphase-promoting complex-ubiquitin-proteasome pathway. <i>Oncogene</i> , 2000, 19, 2812-2819.	5.9	133
21	Reduced expression of nm23-H1, but not of nm23-H2, is concordant with the frequency of lymph-node metastasis of human breast cancer. <i>International Journal of Cancer</i> , 1993, 55, 66-71.	5.1	132
22	Molecular Cloning of Globotriaosylceramide/CD77 Synthase, a Glycosyltransferase That Initiates the Synthesis of Globo Series Glycosphingolipids. <i>Journal of Biological Chemistry</i> , 2000, 275, 15152-15156.	3.4	129
23	Direct Association with Inner Centromere Protein (INCENP) Activates the Novel Chromosomal Passenger Protein, Aurora-C. <i>Journal of Biological Chemistry</i> , 2004, 279, 47201-47211.	3.4	121
24	Overexpression of Ganglioside GM1 Results in the Dispersion of Platelet-derived Growth Factor Receptor from Glycolipid-enriched Microdomains and in the Suppression of Cell Growth Signals. <i>Journal of Biological Chemistry</i> , 2002, 277, 11239-11246.	3.4	117
25	An Eps Homology (EH) Domain Protein That Binds to the Ral-GTPase Target, RalBP1. <i>Journal of Biological Chemistry</i> , 1997, 272, 31230-31234.	3.4	113
26	Overexpressed GM1 Suppresses Nerve Growth Factor (NGF) Signals by Modulating the Intracellular Localization of NGF Receptors and Membrane Fluidity in PC12 Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 33368-33378.	3.4	113
27	Splicing Factors Facilitate RNAi-Directed Silencing in Fission Yeast. <i>Science</i> , 2008, 322, 602-606.	12.6	113
28	GD3 Synthase Gene Expression in PC12 Cells Results in the Continuous Activation of TrkA and ERK1/2 and Enhanced Proliferation. <i>Journal of Biological Chemistry</i> , 2000, 275, 5832-5838.	3.4	108
29	Epigenetic inactivation of class II transactivator (CIITA) is associated with the absence of interferon- β -induced HLA-DR expression in colorectal and gastric cancer cells. <i>Oncogene</i> , 2004, 23, 8876-8886.	5.9	108
30	Gene Amplification and Overexpression of PRDM14 in Breast Cancers. <i>Cancer Research</i> , 2007, 67, 9649-9657.	0.9	103
31	Expression profile of LIT1/KCNQ1OT1 and epigenetic status at the KvDMR1 in colorectal cancers. <i>Cancer Science</i> , 2006, 97, 1147-1154.	3.9	98
32	The JmjC domain protein Epe1 prevents unregulated assembly and disassembly of heterochromatin. <i>EMBO Journal</i> , 2007, 26, 4670-4682.	7.8	98
33	DNA-RNA hybrid formation mediates RNAi-directed heterochromatin formation. <i>Genes To Cells</i> , 2012, 17, 218-233.	1.2	94
34	Degradation of human Aurora-A protein kinase is mediated by hCdh1. <i>FEBS Letters</i> , 2002, 519, 59-65.	2.8	92
35	Ral-Specific Guanine Nucleotide Exchange Factor Activity Opposes Other Ras Effectors in PC12 Cells by Inhibiting Neurite Outgrowth. <i>Molecular and Cellular Biology</i> , 1999, 19, 1731-1741.	2.3	87
36	Molecular Cloning of Brain-specific GD1 \pm Synthase (ST6GalNAc V) Containing CAG/Glutamine Repeats. <i>Journal of Biological Chemistry</i> , 1999, 274, 30557-30562.	3.4	83

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37	Expression Cloning of Human Globoside Synthase cDNAs. <i>Journal of Biological Chemistry</i> , 2000, 275, 40498-40503.	3.4	78
38	Usage of Tautomycetin, a Novel Inhibitor of Protein Phosphatase 1 (PP1), Reveals That PP1 Is a Positive Regulator of Raf-1 in Vivo. <i>Journal of Biological Chemistry</i> , 2003, 278, 82-88.	3.4	76
39	Neuron-specific relaxation of Igf2r imprinting is associated with neuron-specific histone modifications and lack of its antisense transcript Air. <i>Human Molecular Genetics</i> , 2005, 14, 2511-2520.	2.9	65
40	Nucleophosmin: A versatile molecule associated with hematological malignancies. <i>Cancer Science</i> , 2006, 97, 963-969.	3.9	65
41	Molecular cloning and functional expression of the second mouse nm23/NDP kinase gene, nm23-M2. <i>FEBS Letters</i> , 1992, 309, 358-362.	2.8	64
42	Hairpin RNA induces secondary small interfering RNA synthesis and silencing in <i>trans</i> in fission yeast. <i>EMBO Reports</i> , 2010, 11, 112-118.	4.5	64
43	A new function of Nm23/NDP kinase as a differentiation inhibitory factor, which does not require its kinase activity. <i>FEBS Letters</i> , 1995, 363, 311-315.	2.8	62
44	Expression Cloning of Mouse cDNA of CMP-NeuAc:Lactosylceramide \pm 2,3-Sialyltransferase, an Enzyme That Initiates the Synthesis of Gangliosides. <i>Journal of Biological Chemistry</i> , 1999, 274, 9271-9276.	3.4	61
45	Phosphorylation of Swi6/HP1 regulates transcriptional gene silencing at heterochromatin. <i>Genes and Development</i> , 2009, 23, 18-23.	5.9	61
46	Expression of DCC Protein in Colorectal Tumors and Its Relationship to Tumor Progression and Metastasis. <i>Oncology</i> , 1999, 56, 134-141.	1.9	60
47	The Blood Group P1 Synthase Gene Is Identical to the Gb3/CD77 Synthase Gene. <i>Journal of Biological Chemistry</i> , 2003, 278, 44429-44438.	3.4	60
48	Analysis of the role of Aurora B on the chromosomal targeting of condensin I. <i>Nucleic Acids Research</i> , 2007, 35, 2403-2412.	14.5	59
49	Molecular Basis for the p Phenotype. <i>Journal of Biological Chemistry</i> , 2000, 275, 37752-37756.	3.4	58
50	Metastatic Potential of Mouse Lewis Lung Cancer Cells Is Regulated via Ganglioside GM1 by Modulating the Matrix Metalloprotease-9 Localization in Lipid Rafts. <i>Journal of Biological Chemistry</i> , 2006, 281, 18145-18155.	3.4	58
51	Silencing of imprinted CDKN1C gene expression is associated with loss of CpG and histone H3 lysine 9 methylation at DMR-LIT1 in esophageal cancer. <i>Oncogene</i> , 2004, 23, 4380-4388.	5.9	55
52	The Essential Role of Histone H3 Lys9 Di-Methylation and MeCP2 Binding in MGMT Silencing with Poor DNA Methylation of the Promoter CpG Island. <i>Journal of Biochemistry</i> , 2005, 137, 431-440.	1.7	55
53	Molecular Dynamics of Aurora-A Kinase in Living Mitotic Cells Simultaneously Visualized with Histone H3 and Nuclear Membrane Protein Importin. <i>Cell Structure and Function</i> , 2002, 27, 457-467.	1.1	54
54	MBD3 and HDAC1, Two Components of the NuRD Complex, Are Localized at Aurora-A-positive Centrosomes in M Phase. <i>Journal of Biological Chemistry</i> , 2002, 277, 48714-48723.	3.4	53

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55	Spt6 prevents transcription-coupled loss of posttranslationally modified histone H3. <i>Scientific Reports</i> , 2013, 3, 2186.	3.3	52
56	Phosphorylation of Ser-446 Determines Stability of MKP-7. <i>Journal of Biological Chemistry</i> , 2005, 280, 14716-14722.	3.4	51
57	Role of DNA Methylation and Histone H3 Lysine 27 Methylation in Tissue-Specific Imprinting of Mouse Grb10. <i>Molecular and Cellular Biology</i> , 2007, 27, 732-742.	2.3	51
58	Expression of CD44 Variant Exons 8-10 in Colorectal Cancer and Its Relationship to Metastasis. <i>Japanese Journal of Cancer Research</i> , 1995, 86, 292-297.	1.7	50
59	Molecular Cloning and Expression of Mouse GD1 β /GT1a β /GQ1b β Synthase (ST6GalNAc VI) Gene. <i>Journal of Biological Chemistry</i> , 2000, 275, 6717-6723.	3.4	50
60	Focal adhesion kinase as well as p130Cas and paxillin is crucially involved in the enhanced malignant properties under expression of ganglioside GD3 in melanoma cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2008, 1780, 513-519.	2.4	48
61	Mitotic Regulation of the Stability of Microtubule Plus-end Tracking Protein EB3 by Ubiquitin Ligase SIAH-1 and Aurora Mitotic Kinases. <i>Journal of Biological Chemistry</i> , 2009, 284, 28367-28381.	3.4	47
62	Mitotic kinase Aurora-B is regulated by SUMO-2/3 conjugation/deconjugation during mitosis. <i>Genes To Cells</i> , 2011, 16, 652-669.	1.2	46
63	β 4GalT6 is involved in the synthesis of lactosylceramide with less intensity than β 4GalT5. <i>Glycobiology</i> , 2013, 23, 1175-1183.	2.5	44
64	Identification of a Drosophila Gene Encoding Xylosylprotein β 4-Galactosyltransferase That Is Essential for the Synthesis of Glycosaminoglycans and for Morphogenesis. <i>Journal of Biological Chemistry</i> , 2002, 277, 46280-46288.	3.4	43
65	Overexpression of caveolin-1 in a human melanoma cell line results in dispersion of ganglioside GD3 from lipid rafts and alteration of leading edges, leading to attenuation of malignant properties. <i>Cancer Science</i> , 2007, 98, 512-520.	3.9	43
66	Global regulation of heterochromatin spreading by Leo1. <i>Open Biology</i> , 2015, 5, 150045.	3.6	43
67	Identification and expression of a sialyltransferase responsible for the synthesis of disialylgalactosylgloboside in normal and malignant kidney cells: downregulation of ST6GalNAc VI in renal cancers. <i>Biochemical Journal</i> , 2007, 402, 459-470.	3.7	42
68	Fission yeast chromatin assembly factor 1 assists in the replication-coupled maintenance of heterochromatin. <i>Genes To Cells</i> , 2008, 13, 1027-1043.	1.2	41
69	Loss of CpG Methylation Is Strongly Correlated with Loss of Histone H3 Lysine 9 Methylation at DMR-LIT1 in Patients with Beckwith-Wiedemann Syndrome. <i>American Journal of Human Genetics</i> , 2003, 73, 948-956.	6.2	39
70	Murine glycosyltransferases responsible for the expression of globo-series glycolipids: cDNA structures, mRNA expression, and distribution of their products. <i>Glycobiology</i> , 2005, 15, 1257-1267.	2.5	37
71	Inhibitory action of nm23 proteins on induction of erythroid differentiation of human leukemia cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1995, 1267, 101-106.	4.1	36
72	TRIM27/MRTF-B-Dependent Integrin β 1 Expression Defines Leading Cells in Cancer Cell Collectives. <i>Cell Reports</i> , 2014, 7, 1156-1167.	6.4	36

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73	Caenorhabditis elegans RBX1 is essential for meiosis, mitotic chromosomal condensation and segregation, and cytokinesis. <i>Genes To Cells</i> , 2003, 8, 857-872.	1.2	34
74	PIAS proteins are involved in the SUMO-1 modification, intracellular translocation and transcriptional repressive activity of RET finger protein. <i>Experimental Cell Research</i> , 2005, 308, 65-77.	2.6	31
75	Heterochromatin protein 1 homologue Swi6 acts in concert with Ers1 to regulate RNAi-directed heterochromatin assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 6159-6164.	7.1	30
76	Trimeric Tn Antigen on Syndecan 1 Produced by ppGalNAc-T13 Enhances Cancer Metastasis via a Complex Formation with Integrin $\alpha 5 \beta 1$ and Matrix Metalloproteinase 9. <i>Journal of Biological Chemistry</i> , 2013, 288, 24264-24276.	3.4	29
77	pp-GalNAc-T13 induces high metastatic potential of murine Lewis lung cancer by generating trimeric Tn antigen. <i>Biochemical and Biophysical Research Communications</i> , 2012, 419, 7-13.	2.1	28
78	Genetic mechanisms for the synthesis of fucosyl GM1 in small cell lung cancer cell lines. <i>Glycobiology</i> , 2006, 16, 916-925.	2.5	26
79	The nuclear scaffold protein SAF-A is required for kinetochore-microtubule attachment and contributes to the targeting of Aurora-A to mitotic spindles. <i>Journal of Cell Science</i> , 2011, 124, 394-404.	2.0	26
80	Raf1 Is a DCAF for the Rik1 DDB1-Like Protein and Has Separable Roles in siRNA Generation and Chromatin Modification. <i>PLoS Genetics</i> , 2012, 8, e1002499.	3.5	26
81	Suppression of lung metastasis of mouse Lewis lung cancer P29 with transfection of the ganglioside GM2/GD2 synthase gene. <i>International Journal of Cancer</i> , 2003, 103, 169-176.	5.1	23
82	Impaired hypoglossal nerve regeneration in mutant mice lacking complex gangliosides: Down-regulation of neurotrophic factors and receptors as possible mechanisms. <i>Glycobiology</i> , 2008, 18, 509-516.	2.5	23
83	The 19S proteasome is directly involved in the regulation of heterochromatin spreading in fission yeast. <i>Journal of Biological Chemistry</i> , 2017, 292, 17144-17155.	3.4	22
84	Regulation of Type 1 Protein Phosphatase/Inhibitor-2 Complex by Glycogen Synthase Kinase-3beta in Intact Cells. <i>Journal of Biochemistry</i> , 2003, 133, 165-171.	1.7	21
85	Proteasomal Degradation of the Nuclear Targeting Growth Factor Midkine. <i>Journal of Biological Chemistry</i> , 2004, 279, 17785-17791.	3.4	21
86	Combined treatment with tamoxifen and a fusicoccin derivative (ISIR-042) to overcome resistance to therapy and to enhance the antitumor activity of 5-fluorouracil and gemcitabine in pancreatic cancer cells. <i>International Journal of Oncology</i> , 2015, 47, 315-324.	3.3	21
87	Somatic alterations of the DPC4 and Madr2 genes in colorectal cancers and relationship to metastasis. <i>International Journal of Oncology</i> , 2001, 18, 265-70.	3.3	18
88	Cdc2p controls the forkhead transcription factor Fkh2p by phosphorylation during sexual differentiation in fission yeast. <i>EMBO Journal</i> , 2008, 27, 132-142.	7.8	16
89	Preparation, characterization and properties of novel covalently surface-functionalized zinc oxide nanoparticles. <i>Applied Surface Science</i> , 2010, 256, 4497-4501.	6.1	16
90	Cancer-related transcription regulator protein NAC1 forms a protein complex with CARM1 for ovarian cancer progression. <i>Oncotarget</i> , 2018, 9, 28408-28420.	1.8	15

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91	Nuclear localization signal in a cancer-related transcriptional regulator protein NAC1. <i>Carcinogenesis</i> , 2012, 33, 1854-1862.	2.8	14
92	Clinical significance of serum levels of CD44 variant exons 8-10 protein in colorectal cancer. <i>Journal of Gastroenterology</i> , 1998, 33, 349-353.	5.1	12
93	G196 epitope tag system: a novel monoclonal antibody, G196, recognizes the small, soluble peptide DLVPR with high affinity. <i>Scientific Reports</i> , 2017, 7, 43480.	3.3	12
94	Analysis of the oligomeric states of nucleophosmin using size exclusion chromatography. <i>Scientific Reports</i> , 2018, 8, 4008.	3.3	11
95	RNAi-dependent heterochromatin assembly in fission yeast <i>Schizosaccharomyces pombe</i> requires heat-shock molecular chaperones Hsp90 and Mas5. <i>Epigenetics and Chromatin</i> , 2018, 11, 26.	3.9	11
96	SUMO-modification and elimination of the active DNA demethylation enzyme TDG in cultured human cells. <i>Biochemical and Biophysical Research Communications</i> , 2014, 447, 419-424.	2.1	9
97	Protein complex formation and intranuclear dynamics of NAC1 in cancer cells. <i>Archives of Biochemistry and Biophysics</i> , 2016, 606, 10-15.	3.0	9
98	TH588, an MTH1 inhibitor, enhances phenethyl isothiocyanate-induced growth inhibition in pancreatic cancer cells. <i>Oncology Letters</i> , 2018, 15, 3240-3244.	1.8	9
99	Japanese apricot extract (MK615) potentiates bendamustine-induced apoptosis via impairment of the DNA damage response in lymphoma cells. <i>Oncology Letters</i> , 2017, 14, 792-800.	1.8	9
100	Plant Aurora kinases interact with and phosphorylate transcription factors. <i>Journal of Plant Research</i> , 2016, 129, 1165-1178.	2.4	8
101	Diacylglycerol kinase $\hat{\Gamma}$ regulates C2C12 myoblast proliferation through the mTOR signaling pathway. <i>Biochimie</i> , 2020, 177, 13-24.	2.6	8
102	Nucleus Accumbens-Associated Protein 1 Binds DNA Directly through the BEN Domain in a Sequence-Specific Manner. <i>Biomedicines</i> , 2020, 8, 608.	3.2	8
103	Over-expression of GM1 enhances cell proliferation with epidermal growth factor without affecting the receptor localization in the microdomain in PC12 cells. <i>International Journal of Oncology</i> , 2005, 26, 191.	3.3	7
104	Low expression of nucleus accumbens-associated protein 1 predicts poor prognosis for patients with pancreatic ductal adenocarcinoma. <i>Pathology International</i> , 2012, 62, 802-810.	1.3	7
105	Abnormal cytoplasmic dyslocalisation and/or reduction of nucleophosmin protein level rarely occurs in myelodysplastic syndromes. <i>Leukemia and Lymphoma</i> , 2008, 49, 2359-2364.	1.3	6
106	Diacylglycerol kinase $\hat{\Gamma}$ controls down-regulation of cyclin D1 for C2C12 myogenic differentiation. <i>Biochimie</i> , 2018, 151, 45-53.	2.6	6
107	Glycosylphosphatidylinositol-anchored arginine-specific ADP-ribosyltransferase7.1 (Art7.1) on chicken B cells: the possible role of Art7 in B cell receptor signalling and proliferation. <i>Molecular and Cellular Biochemistry</i> , 2009, 320, 93-100.	3.1	5
108	Romidepsin and tamoxifen cooperatively induce senescence of pancreatic cancer cells through downregulation of FOXM1 expression and induction of reactive oxygen species/lipid peroxidation. <i>Molecular Biology Reports</i> , 2022, 49, 3519-3529.	2.3	4

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109	The JmjC domain protein Epe1 prevents unregulated assembly and disassembly of heterochromatin. EMBO Journal, 2008, 27, 921-921.	7.8	2
110	Cotylenin A and tyrosine kinase inhibitors synergistically inhibit the growth of chronic myeloid leukemia cells. International Journal of Oncology, 2018, 52, 2061-2068.	3.3	2
111	Generation of antagonistic monoclonal antibodies against the neoepitope of active mouse interleukin (IL)-18 cleaved by inflammatory caspases. Archives of Biochemistry and Biophysics, 2022, 727, 109322.	3.0	2
112	Down-regulation of caveolin-1 in mouse Lewis lung cancer P29 is a causal factor for the malignant properties in a high-metastatic subline. Oncology Reports, 2006, 16, 289.	2.6	1
113	How does Hsp90 function in RNAi-dependent heterochromatin assembly?. Current Genetics, 2019, 65, 87-91.	1.7	1