Keiji Miyazawa

List of Publications by Year
in descending order

95 papers	8,075 citations	57719 44 h-index	46771 89 g-index
98 all docs	98 docs citations	98 times ranked	9589 citing authors

#	Article	IF	Citations
1	Molecular cloning and sequence analysis of cDNA for human hepatocyte growth factor. Biochemical and Biophysical Research Communications, 1989, 163, 967-973.	1.0	670
2	Two major Smad pathways in TGF-Î² superfamily signalling. Genes To Cells, 2002, 7, 1191-1204.	0.5	594
3	Autocrine TGF-Î² Signaling Maintains Tumorigenicity of Glioma-Initiating Cells through Sry-Related HMG-Box Factors. Cell Stem Cell, 2009, 5, 504-514.	5.2	503
4	Tyrosine Phosphorylation of Î²-Catenin and Plakoglobin Enhanced by Hepatocyte Growth Factor and Epidermal Growth Factor in Human Carcinoma Cells. Cell Adhesion and Communication, 1994, 1, 295-305.	1.7	402
5	Regulation of TGF-Î² Family Signaling by Inhibitory Smads. Cold Spring Harbor Perspectives in Biology, 2017, 9, a022095.	2.3	327
6	VEGF-A and FGF-2 synergistically promote neoangiogenesis through enhancement of endogenous PDGF-Bâ€"PDGFRÎ² signaling. Journal of Cell Science, 2005, 118, 3759-3768.	1.2	263
7	Hepatocyte Growth Factor Activator Inhibitor, a Novel Kunitz-type Serine Protease Inhibitor. Journal of Biological Chemistry, 1997, 272, 6370-6376.	1.6	241
8	TGF-Î² regulates isoform switching of FGF receptors and epithelial-mesenchymal transition. EMBO Journal, 2011, 30, 783-795.	3.5	205
9	Targets of transcriptional regulation by two distinct type I receptors for transforming growth factor-? in human umbilical vein endothelial cells. Journal of Cellular Physiology, 2002, 193, 299-318.	2.0	204
10	Activation of Hepatocyte Growth Factor in the Injured Tissues Is Mediated by Hepatocyte Growth Factor Activator. Journal of Biological Chemistry, 1996, 271, 3615-3618.	1.6	199
11	A Deubiquitinating Enzyme UBPY Interacts with the Src Homology 3 Domain of Hrs-binding Protein via a Novel Binding Motif PX(V/I)(D/N)RXXKP. Journal of Biological Chemistry, 2000, 275, 37481-37487.	1.6	199
12	Arkadia amplifies TGF-Â superfamily signalling through degradation of Smad7. EMBO Journal, 2003, 22, 6458-6470.	3.5	195
13	NEDD4-2 (neural precursor cell expressed, developmentally down-regulated 4-2) negatively regulates TGF-Î² (transforming growth factor-Î²) signalling by inducing ubiquitin-mediated degradation of Smad2 and TGF-Î² type I receptor. Biochemical Journal, 2005, 386, 461-470.	1.7	187
14	Chromatin Immunoprecipitation on Microarray Analysis of Smad2/3 Binding Sites Reveals Roles of ETS1 and TFAP2A in Transforming Growth Factor Î² Signaling. Molecular and Cellular Biology, 2009, 29, 172-186.	1.1	179
15	Negative regulation of transforming growth factor-Î² (TGF-Î²) signaling by WW domain-containing protein 1 (WWP1). Oncogene, 2004, 23, 6914-6923.	2.6	176
16	TGF-Î² receptor kinase inhibitor enhances growth and integrity of embryonic stem cellâ€"derived endothelial cells. Journal of Cell Biology, 2003, 163, 1303-1311.	2.3	172
17	Arkadia Induces Degradation of SnoN and c-Ski to Enhance Transforming Growth Factor-Î² Signaling. Journal of Biological Chemistry, 2007, 282, 20492-20501.	1.6	148
18	Activation of Hepatocyte Growth Factor by two Homologous Proteases, Blood-Coagulation Factor XIIa and Hepatocyte Growth Factor Activator. FEBS Journal, 1995, 229, 257-261.	0.2	135

#	Article	IF	Citations
19	Epithelial Splicing Regulatory Proteins 1 (ESRP1) and 2 (ESRP2) Suppress Cancer Cell Motility via Different Mechanisms. Journal of Biological Chemistry, 2014, 289, 27386-27399.	1.6	133
20	Glioma-initiating Cells Retain Their Tumorigenicity through Integration of the Sox Axis and Oct4 Protein. Journal of Biological Chemistry, 2011, 286, 41434-41441.	1.6	129
21	Hepatocyte Growth Factor Activator Inhibitor Type 1 Is a Specific Cell Surface Binding Protein of Hepatocyte Growth Factor Activator (HGFA) and Regulates HGFA Activity in the Pericellular Microenvironment. Journal of Biological Chemistry, 2000, 275, 40453-40462.	1.6	114
22	c-Ski inhibits the TGF-Î² signaling pathway through stabilization of inactive Smad complexes on Smad-binding elements. Oncogene, 2004, 23, 5068-5076.	2.6	114
23	Primary structure of rat hepatocyte growth factor and induction of its mRNA during liver regeneration following hepatic injury. FEBS Journal, 1990, 193, 375-381.	0.2	108
24	SB-431542 and Gleevec inhibit transforming growth factor-beta-induced proliferation of human osteosarcoma cells. Cancer Research, 2003, 63, 7791-8.	0.4	103
25	An alternatively processed mRNA generated from human hepatocyte growth factor gene. FEBS Journal, 1991, 197, 15-22.	0.2	100
26	Transforming Growth Factor-Î² Promotes Survival of Mammary Carcinoma Cells through Induction of Antiapoptotic Transcription Factor DEC1. Cancer Research, 2007, 67, 9694-9703.	0.4	90
27	Hepatocyte Growth Factor Activator Inhibitor Type 1 (HAI-1) Is Required for Branching Morphogenesis in the Chorioallantoic Placenta. Molecular and Cellular Biology, 2005, 25, 5687-5698.	1.1	89
28	Long Noncoding RNA <i>ELIT-1</i> Acts as a Smad3 Cofactor to Facilitate TGFÎ²/Smad Signaling and Promote Epithelialâ€“Mesenchymal Transition. Cancer Research, 2019, 79, 2821-2838.	0.4	84
29	<i>Î´</i>EF1 associates with DNMT1 and maintains DNA methylation of the Eâ€cadherin promoter in breast cancer cells. Cancer Medicine, 2015, 4, 125-135.	1.3	83
30	High Intensity ERK Signal Mediates Hepatocyte Growth Factor-induced Proliferation Inhibition of the Human Hepatocellular Carcinoma Cell Line HepG2. Journal of Biological Chemistry, 2001, 276, 40968-40976.	1.6	81
31	SKI and MEL1 Cooperate to Inhibit Transforming Growth Factor-Î² Signal in Gastric Cancer Cells. Journal of Biological Chemistry, 2009, 284, 3334-3344.	1.6	74
32	Smurf2 Induces Ubiquitin-dependent Degradation of Smurf1 to Prevent Migration of Breast Cancer Cells. Journal of Biological Chemistry, 2008, 283, 35660-35667.	1.6	73
33	Functional characterization of human hepatocyte growth factor mutants obtained by deletion of structural domains. Biochemistry, 1992, 31, 9555-9561.	1.2	72
34	Regeneration of injured intestinal mucosa is impaired in hepatocyte growth factor activator-deficient mice. Gastroenterology, 2004, 127, 1423-1435.	0.6	69
35	Functional Characterization of Kunitz Domains in Hepatocyte Growth Factor Activator Inhibitor Type 1. Journal of Biological Chemistry, 2002, 277, 14053-14059.	1.6	61
36	Hepatocyte growth factor activator (HGFA): a serine protease that links tissue injury to activation of hepatocyte growth factor. FEBS Journal, 2010, 277, 2208-2214.	2.2	61

#	Article	IF	Citations
37	Interaction with Smad4 Is Indispensable for Suppression of BMP Signaling by c-Ski. Molecular Biology of the Cell, 2004, 15, 963-972.	0.9	59
38	Characterization of the promoter region of the rat hepatocyte-growth-factor/scatter-factor gene. FEBS Journal, 1993, 213, 113-119.	0.2	57
39	Smad3–STAT3 crosstalk in pathophysiological contexts. Acta Biochimica Et Biophysica Sinica, 2018, 50, 82-90.	0.9	57
40	Reciprocal expression of Slug and Snail in human oral cancer cells. PLoS ONE, 2018, 13, e0199442.	1.1	52
41	Two Short Segments of Smad3 Are Important for Specific Interaction of Smad3 with c-Ski and SnoN. Journal of Biological Chemistry, 2003, 278, 531-536.	1.6	51
42	An Id-like molecule, HHM, is a synexpression group-restricted regulator of TGF-Î² signalling. EMBO Journal, 2008, 27, 2955-2965.	3.5	51
43	Smad7 Inhibits Transforming Growth Factor-Î² Family Type I Receptors through Two Distinct Modes of Interaction. Journal of Biological Chemistry, 2010, 285, 30804-30813.	1.6	51
44	Transcriptional and Post-transcriptional Regulation in TGF-Â-mediated epithelial-mesenchymal transition. Journal of Biochemistry, 2012, 151, 563-571.	0.9	49
45	Structural Insight into Modest Binding of a Non-PXXP Ligand to the Signal Transducing Adaptor Molecule-2 Src Homology 3 Domain. Journal of Biological Chemistry, 2003, 278, 48162-48168.	1.6	47
46	Identification of integrin Î±3 as a molecular marker of cells undergoing epithelialâ€"mesenchymal transition and of cancer cells with aggressive phenotypes. Cancer Science, 2013, 104, 1189-1197.	1.7	45
47	A Smad3 and TTF-1/NKX2-1 complex regulates Smad4-independent gene expression. Cell Research, 2014, 24, 994-1008.	5.7	45
48	Ras signaling directs endothelial specification of VEGFR2+ vascular progenitor cells. Journal of Cell Biology, 2008, 181, 131-141.	2.3	42
49	Ets1 and ESE1 reciprocally regulate expression of ZEB1/ZEB2, dependent on ERK1/2 activity, in breast cancer cells. Cancer Science, 2017, 108, 952-960.	1.7	42
50	Characterization of hepatocyte-growth-factor receptors on Meth A cells. FEBS Journal, 1992, 204, 857-864.	0.2	40
51	17Î²-Estradiol InducesIL-1Î± Gene Expression in Rheumatoid Fibroblast-Like Synovial Cells through Estrogen Receptor Î± (ERÎ±) and Augmentation of Transcriptional Activity of Sp1 by Dissociating Histone Deacetylase 2 from ERÎ±. Journal of Immunology, 2007, 178, 3059-3066.	0.4	39
52	VEGFR2-PLCÎ³1 axis is essential for endothelial specification of VEGFR2+ vascular progenitor cells. Journal of Cell Science, 2009, 122, 3303-3311.	1.2	39
53	Hepatocyte Growth Factor and Transforming Growth Factor-.BETA. Stimulate both Cell Growth and Migration of Human Gastric Adenocarcinoma Cells.. Cell Structure and Function, 1992, 17, 185-190.	0.5	38
54	Nuclear and cytoplasmic c-Ski differently modulate cellular functions. Genes To Cells, 2006, 11, 1267-1280.	0.5	35

#	Article	IF	Citations
55	Structural organization and chromosomal localization of the human hepatocyte growth factor activator gene. Phylogenetic and functional relationship with blood coagulation factor XII, urokinase, and tissue-type plasminogen activator. FEBS Journal, 1998, 258, 355-361.	0.2	31
56	Mouse hepatocyte growth factor activator gene: its expression not only in the liver but also in the gastrointestinal tract. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2000, 1491, 295-302.	2.4	30
57	RB1CC1 Protein Positively Regulates Transforming Growth Factor-Î² Signaling through the Modulation of Arkadia E3 Ubiquitin Ligase Activity. Journal of Biological Chemistry, 2011, 286, 32502-32512.	1.6	30
58	Context-dependent regulation of the expression of c-Ski protein by Arkadia in human cancer cells. Journal of Biochemistry, 2010, 147, 545-554.	0.9	29
59	Dual Roles for Epithelial Splicing Regulatory Proteins 1 (ESRP1) and 2 (ESRP2) in Cancer Progression. Advances in Experimental Medicine and Biology, 2016, 925, 33-40.	0.8	26
60	Exogenously Administered HGF Activator Augments Liver Regeneration through the Production of Biologically Active HGF. Biochemical and Biophysical Research Communications, 2002, 290, 475-481.	1.0	25
61	Deubiquitylase USP25 prevents degradation of BCR-ABL protein and ensures proliferation of Ph-positive leukemia cells. Oncogene, 2020, 39, 3867-3878.	2.6	25
62	Basolateral BMP Signaling in Polarized Epithelial Cells. PLoS ONE, 2013, 8, e62659.	1.1	22
63	EHF suppresses cancer progression by inhibiting ETS1-mediated ZEB expression. Oncogenesis, 2021, 10, 26.	2.1	22
64	Dissociation of the AhR/ARNT complex by TGF-Î²/Smad signaling represses CYP1A1 gene expression and inhibits benze[a]pyrene-mediated cytotoxicity. Journal of Biological Chemistry, 2020, 295, 9033-9051.	1.6	21
65	Hepatocyte growth factor remains as an inactive single chain after partial hepatectomy or unilateral nephrectomy. FEBS Letters, 1995, 362, 220-224.	1.3	20
66	Impairment of Activation of Hepatocyte Growth Factor Precursor into Its Mature Form in Rats with Liver Cirrhosis. Journal of Surgical Research, 2002, 106, 108-114.	0.8	19
67	Oligodendrocyte Transcription Factor 1 (Olig1) Is a Smad Cofactor Involved in Cell Motility Induced by Transforming Growth Factor-Î². Journal of Biological Chemistry, 2013, 288, 18911-18922.	1.6	19
68	Repression of Smad3 by Stat3 and c-Ski/SnoN induces gefitinib resistance in lung adenocarcinoma. Biochemical and Biophysical Research Communications, 2017, 484, 269-277.	1.0	18
69	A comparative analysis of Smad-responsive motifs identifies multiple regulatory inputs for TGF-Î² transcriptional activation. Journal of Biological Chemistry, 2019, 294, 15466-15479.	1.6	18
70	Snail suppresses cellular senescence and promotes fibroblastâ€led cancer cell invasion. FEBS Open Bio, 2017, 7, 1586-1597.	1.0	17
71	Neurotensin receptor 1 signaling promotes pancreatic cancer progression. Molecular Oncology, 2021, 15, 151-166.	2.1	17
72	Dissociation of C-fos Induction and Mitogen-Activated-Protein Kinase Activation from the Hepatocyte-Growth-Factor-Induced Motility Response in Human Gastric Carcinoma Cells. FEBS Journal, 1996, 236, 476-481.	0.2	15

#	Article	IF	Citations
73	Arkadia complexes with clathrin adaptor AP2 and regulates EGF signalling. Journal of Biochemistry, 2010, 148, 733-741.	0.9	15
74	Arkadia enhances BMP signalling through ubiquitylation and degradation of Smad6. Journal of Biochemistry, 2015, 158, 61-71.	0.9	15
75	Encountering unpredicted off-target effects of pharmacological inhibitors. Journal of Biochemistry, 2011, 150, 1-3.	0.9	14
76	Structural basis for inhibitory effects of Smad7 on TGF-Î² family signaling. Journal of Structural Biology, 2020, 212, 107661.	1.3	14
77	Stimulation of prostaglandin production by hepatocyte growth factor in human gastric carcinoma cells. FEBS Letters, 1993, 334, 331-334.	1.3	13
78	Arkadia represses the expression of myoblast differentiation markers through degradation of Ski and the Ski-bound Smad complex in C2C12 myoblasts. Bone, 2009, 44, 53-60.	1.4	13
79	Addiction of mesenchymal phenotypes on the FGF/FGFR axis in oral squamous cell carcinoma cells. PLoS ONE, 2019, 14, e0217451.	1.1	12
80	The potential role of regulator of Gâ€protein signaling 16 in cell motility mediated by Î´EF1 family proteins. FEBS Letters, 2016, 590, 270-278.	1.3	10
81	Expression of ZEBs in gliomas is associated with invasive properties and histopathological grade. Oncology Letters, 2018, 16, 1758-1764.	0.8	9
82	Lipidome-based rapid diagnosis with machine learning for detection of TGF-Î² signalling activated area in head and neck cancer. British Journal of Cancer, 2020, 122, 995-1004.	2.9	9
83	Activation of MET receptor tyrosine kinase in ulcer surface epithelial cells undergoing restitution. Pathology International, 2008, 58, 462-464.	0.6	7
84	Maid is a negative regulator of transforming growth factor-Î²-induced cell migration. Journal of Biochemistry, 2015, 158, 435-444.	0.9	7
85	Activation of hepatocyte growth factor in monkey stomach following gastric mucosal injury. Journal of Gastroenterology, 2004, 39, 133-139.	2.3	6
86	ZEB1 and oncogenic Ras constitute a regulatory switch for stimulusâ€dependent Eâ€cadherin downregulation. Cancer Science, 2021, 112, 205-216.	1.7	6
87	Inhibitory effect of c-Met mutants on the formation of branching tubules by a porcine aortic endothelial cell line. Cancer Science, 2006, 97, 1343-1350.	1.7	5
88	TGF-Î²-induced cell motility requires downregulation of ARHGAPs to sustain Rac1 activity. Journal of Biological Chemistry, 2021, 296, 100545.	1.6	5
89	Ets family proteins regulate the EMT transcription factors Snail and ZEB in cancer cells. FEBS Open Bio, 2022, 12, 1353-1364.	1.0	5
90	Phosphoinositide 5-phosphatases: how do they affect tumourigenesis?. Journal of Biochemistry, 2013, 153, 1-3.	0.9	4

#	Article	IF	Citations
91	Transgenic Analyses in Drosophila Reveal That mCORL1 Is Functionally Distinct from mCORL2 and dCORL. G3: Genes, Genomes, Genetics, 2019, 9, 3781-3789.	0.8	4
92	A negative regulator or just an unconcerned passerby: phosphoinositide 3-kinase signalling in IL-12 production. Journal of Biochemistry, 2012, 152, 497-499.	0.9	3
93	MAB21L4 regulates the TGF-Î²-induced expression of target genes in epidermal keratinocytes. Journal of Biochemistry, 2022, 171, 399-410.	0.9	3
94	Group V Secretory Phospholipase A₂ Regulates Endocytosis of Acetylated LDL by Transcriptional Activation of PGK1 in RAW264.7 Macrophage Cell Line. Journal of Atherosclerosis and Thrombosis, 2021, , .	0.9	2
95	Purification and Characterization of a Novel Protease Inhibitor Specific to Hepatocyte Growth Factor Activator. , 1997, , 403-407.		0