

Akira Kikuchi

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

68 papers	4,645 citations	33 h-index	68 g-index
93 ext. papers	5,341 ext. citations	6.9 avg, IF	5.6 L-index

#	Paper	IF	Citations
68	Expression of Wnt-5a is correlated with aggressiveness of gastric cancer by stimulating cell migration and invasion. <i>Cancer Research</i> , 2006 , 66, 10439-48	10.1	352
67	Phosphorylation of beta-catenin by cyclic AMP-dependent protein kinase stabilizes beta-catenin through inhibition of its ubiquitination. <i>Molecular and Cellular Biology</i> , 2005 , 25, 9063-72	4.8	324
66	Caveolin is necessary for Wnt-3a-dependent internalization of LRP6 and accumulation of beta-catenin. <i>Developmental Cell</i> , 2006 , 11, 213-23	10.2	247
65	Wnt5a regulates distinct signalling pathways by binding to Frizzled2. <i>EMBO Journal</i> , 2010 , 29, 41-54	13	240
64	Multiplicity of the interactions of Wnt proteins and their receptors. <i>Cellular Signalling</i> , 2007 , 19, 659-71	4.9	211
63	Selective activation mechanisms of Wnt signaling pathways. <i>Trends in Cell Biology</i> , 2009 , 19, 119-29	18.3	201
62	Tumor formation by genetic mutations in the components of the Wnt signaling pathway. <i>Cancer Science</i> , 2003 , 94, 225-9	6.9	197
61	New insights into the mechanism of Wnt signaling pathway activation. <i>International Review of Cell and Molecular Biology</i> , 2011 , 291, 21-71	6	191
60	Wnt3a and Dkk1 regulate distinct internalization pathways of LRP6 to tune the activation of beta-catenin signaling. <i>Developmental Cell</i> , 2008 , 15, 37-48	10.2	176
59	Post-translational palmitoylation and glycosylation of Wnt-5a are necessary for its signalling. <i>Biochemical Journal</i> , 2007 , 402, 515-23	3.8	174
58	Regulation of Wnt signaling by protein-protein interaction and post-translational modifications. <i>Experimental and Molecular Medicine</i> , 2006 , 38, 1-10	12.8	157
57	Glycosylation and palmitoylation of Wnt-3a are coupled to produce an active form of Wnt-3a. <i>Genes To Cells</i> , 2007 , 12, 521-34	2.3	153
56	Sumoylation is involved in beta-catenin-dependent activation of Tcf-4. <i>EMBO Journal</i> , 2003 , 22, 2047-59	13	137
55	Wnt-3a and Dvl induce neurite retraction by activating Rho-associated kinase. <i>Molecular and Cellular Biology</i> , 2004 , 24, 4487-501	4.8	114
54	Glycogen synthase kinase 3 and h-prune regulate cell migration by modulating focal adhesions. <i>Molecular and Cellular Biology</i> , 2006 , 26, 898-911	4.8	99
53	Active and water-soluble form of lipidated Wnt protein is maintained by a serum glycoprotein afamin/Albumin. <i>ELife</i> , 2016 , 5,	8.9	97
52	Tumor formation due to abnormalities in the beta-catenin-independent pathway of Wnt signaling. <i>Cancer Science</i> , 2008 , 99, 202-8	6.9	93

51	Wnt5b-associated exosomes promote cancer cell migration and proliferation. <i>Cancer Science</i> , 2017 , 108, 42-52	6.9	84
50	CKAP4 is a Dickkopf1 receptor and is involved in tumor progression. <i>Journal of Clinical Investigation</i> , 2016 , 126, 2689-705	15.9	83
49	LRP6 is internalized by Dkk1 to suppress its phosphorylation in the lipid raft and is recycled for reuse. <i>Journal of Cell Science</i> , 2010 , 123, 360-8	5.3	82
48	Laminin gamma2 mediates Wnt5a-induced invasion of gastric cancer cells. <i>Gastroenterology</i> , 2009 , 137, 242-52, 252.e1-6	13.3	82
47	Binding of APC and dishevelled mediates Wnt5a-regulated focal adhesion dynamics in migrating cells. <i>EMBO Journal</i> , 2010 , 29, 1192-204	13	80
46	IFN-induced transmembrane protein 1 promotes invasion at early stage of head and neck cancer progression. <i>Clinical Cancer Research</i> , 2008 , 14, 6097-105	12.9	73
45	Localization of glypican-4 in different membrane microdomains is involved in the regulation of Wnt signaling. <i>Journal of Cell Science</i> , 2012 , 125, 449-60	5.3	63
44	An anti-Wnt5a antibody suppresses metastasis of gastric cancer cells in vivo by inhibiting receptor-mediated endocytosis. <i>Molecular Cancer Therapeutics</i> , 2012 , 11, 298-307	6.1	61
43	MMP-10/stromelysin-2 promotes invasion of head and neck cancer. <i>PLoS ONE</i> , 2011 , 6, e25438	3.7	56
42	CKAP4, a DKK1 Receptor, Is a Biomarker in Exosomes Derived from Pancreatic Cancer and a Molecular Target for Therapy. <i>Clinical Cancer Research</i> , 2019 , 25, 1936-1947	12.9	55
41	Cell cycle-dependent Rho GTPase activity dynamically regulates cancer cell motility and invasion in vivo. <i>PLoS ONE</i> , 2013 , 8, e83629	3.7	53
40	A combination of Wnt and growth factor signaling induces Arl4c expression to form epithelial tubular structures. <i>EMBO Journal</i> , 2014 , 33, 702-18	13	51
39	Wnt5a promotes cancer cell invasion and proliferation by receptor-mediated endocytosis-dependent and -independent mechanisms, respectively. <i>Scientific Reports</i> , 2015 , 5, 8042	4.9	49
38	The apical and basolateral secretion of Wnt11 and Wnt3a in polarized epithelial cells is regulated by different mechanisms. <i>Journal of Cell Science</i> , 2013 , 126, 2931-43	5.3	47
37	The Wnt5a-Ror2 axis promotes the signaling circuit between interleukin-12 and interferon- γ in colitis. <i>Scientific Reports</i> , 2015 , 5, 10536	4.9	41
36	WNT5a is required for normal ovarian follicle development and antagonizes gonadotropin responsiveness in granulosa cells by suppressing canonical WNT signaling. <i>FASEB Journal</i> , 2016 , 30, 1534-47	0.9	35
35	Regulation of Wnt signalling by receptor-mediated endocytosis. <i>Journal of Biochemistry</i> , 2007 , 141, 443-51	5.1	31
34	YAP signaling induces PIEZO1 to promote oral squamous cell carcinoma cell proliferation. <i>Journal of Pathology</i> , 2021 , 253, 80-93	9.4	31

33	Epigenetic upregulation of ARL4C, due to DNA hypomethylation in the 3' untranslated region, promotes tumorigenesis of lung squamous cell carcinoma. <i>Oncotarget</i> , 2016 , 7, 81571-81587	3.3	27
32	The Dickkopf1-cytoskeleton-associated protein 4 axis creates a novel signalling pathway and may represent a molecular target for cancer therapy. <i>British Journal of Pharmacology</i> , 2017 , 174, 4651-4665	8.6	26
31	Prickle1 promotes focal adhesion disassembly in cooperation with the CLASP-LL5 β complex in migrating cells. <i>Journal of Cell Science</i> , 2016 , 129, 3115-29	5.3	26
30	Wnt5a signaling promotes apical and basolateral polarization of single epithelial cells. <i>Molecular Biology of the Cell</i> , 2013 , 24, 3764-74	3.5	23
29	Wnt5a signaling controls cytokinesis by correctly positioning ESCRT-III at the midbody. <i>Journal of Cell Science</i> , 2012 , 125, 4822-32	5.3	23
28	The WNT/MYB pathway suppresses KIT expression to control the timing of salivary proacinar differentiation and duct formation. <i>Development (Cambridge)</i> , 2016 , 143, 2311-24	6.6	23
27	Activation of the Dickkopf1-CKAP4 pathway is associated with poor prognosis of esophageal cancer and anti-CKAP4 antibody may be a new therapeutic drug. <i>Oncogene</i> , 2018 , 37, 3471-3484	9.2	22
26	Modulation of apical constriction by Wnt signaling is required for lung epithelial shape transition. <i>Development (Cambridge)</i> , 2017 , 144, 151-162	6.6	21
25	Arl4c is a key regulator of tubulogenesis and tumorigenesis as a target gene of Wnt/ β -catenin and growth factor-Ras signalling. <i>Journal of Biochemistry</i> , 2017 , 161, 27-35	3.1	19
24	Chemically Modified Antisense Oligonucleotide Against ARL4C Inhibits Primary and Metastatic Liver Tumor Growth. <i>Molecular Cancer Therapeutics</i> , 2019 , 18, 602-612	6.1	19
23	Basolateral secretion of Wnt5a in polarized epithelial cells is required for apical lumen formation. <i>Journal of Cell Science</i> , 2015 , 128, 1051-63	5.3	18
22	Wnt5a-induced cell migration is associated with the aggressiveness of estrogen receptor-positive breast cancer. <i>Oncotarget</i> , 2018 , 9, 20979-20992	3.3	16
21	p63-Dependent Dickkopf3 Expression Promotes Esophageal Cancer Cell Proliferation via CKAP4. <i>Cancer Research</i> , 2018 , 78, 6107-6120	10.1	15
20	ARL4C is associated with initiation and progression of lung adenocarcinoma and represents a therapeutic target. <i>Cancer Science</i> , 2020 , 111, 951-961	6.9	14
19	h-Prune is associated with poor prognosis and epithelial-mesenchymal transition in patients with colorectal liver metastases. <i>International Journal of Cancer</i> , 2016 , 139, 812-23	7.5	14
18	GREB1 induced by Wnt signaling promotes development of hepatoblastoma by suppressing TGF β signaling. <i>Nature Communications</i> , 2019 , 10, 3882	17.4	13
17	Wnt/ β -catenin signaling, which is activated in odontomas, reduces Sema3A expression to regulate odontogenic epithelial cell proliferation and tooth germ development. <i>Scientific Reports</i> , 2019 , 9, 4257	4.9	13
16	The P2Y $_2$ receptor promotes Wnt3a- and EGF-induced epithelial tubular formation by IEC6 cells by binding to integrins. <i>Journal of Cell Science</i> , 2015 , 128, 2156-68	5.3	13

15	Dynamic palmitoylation controls the microdomain localization of the DKK1 receptors CKAP4 and LRP6. <i>Science Signaling</i> , 2019 , 12,	8.8	13
14	CKAP4 Regulates Cell Migration via the Interaction with and Recycling of Integrin. <i>Molecular and Cellular Biology</i> , 2019 , 39,	4.8	11
13	Map7/7D1 and Dvl form a feedback loop that facilitates microtubule remodeling and Wnt5a signaling. <i>EMBO Reports</i> , 2018 , 19,	6.5	7
12	Palmitoylated CKAP4 regulates mitochondrial functions through an interaction with VDAC2 at ER-mitochondria contact sites. <i>Journal of Cell Science</i> , 2020 , 133,	5.3	7
11	h-prune affects anaplastic thyroid cancer invasion and metastasis. <i>Oncology Reports</i> , 2016 , 35, 3445-52	3.5	7
10	LDL switches the LRP6 internalization route from flotillin dependent to clathrin dependent in hepatic cells. <i>Journal of Cell Science</i> , 2017 , 130, 3542-3556	5.3	6
9	Apical secretion of Wnt1 in polarized epithelial cells is regulated by exocyst-mediated trafficking. <i>Journal of Biochemistry</i> , 2017 , 162, 317-326	3.1	6
8	The Dickkopf1 and FOXM1 positive feedback loop promotes tumor growth in pancreatic and esophageal cancers. <i>Oncogene</i> , 2021 , 40, 4486-4502	9.2	4
7	Mark1 regulates distal airspace expansion through type I pneumocyte flattening in lung development. <i>Journal of Cell Science</i> , 2019 , 132,	5.3	3
6	RAF1-MEK/ERK pathway-dependent ARL4C expression promotes ameloblastoma cell proliferation and osteoclast formation. <i>Journal of Pathology</i> , 2021 ,	9.4	3
5	Dickkopf signaling, beyond Wnt-mediated biology. <i>Seminars in Cell and Developmental Biology</i> , 2021 ,	7.5	2
4	Stage-dependent function of Wnt5a during male external genitalia development. <i>Congenital Anomalies (discontinued)</i> , 2021 , 61, 212-219	1.1	2
3	Modulation of Wnt Signaling by Endocytosis of Receptor Complexes 2014 , 113-124		1
2	TAZ inhibits acinar cell differentiation but promotes immature ductal cell proliferation in adult mouse salivary glands. <i>Genes To Cells</i> , 2021 , 26, 714-726	2.3	1
1	Retraction: Epstein-Barr virus-encoded latent membrane protein 1 activates E-cadherin signaling in B lymphocytes. <i>Cancer Science</i> , 2011 , 102, 500	6.9	