

# Tetsuro Watabe

## List of Publications by Year in descending order

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77  
papers

4,923  
citations

94269

37  
h-index

95083

68  
g-index

79  
all docs

79  
docs citations

79  
times ranked

7424  
citing authors

#	ARTICLE	IF	CITATIONS
1	Roles of TGF- $\beta$ family signaling in stem cell renewal and differentiation. <i>Cell Research</i> , 2009, 19, 103-115.	5.7	370
2	Bone Morphogenetic Proteins. <i>Cold Spring Harbor Perspectives in Biology</i> , 2016, 8, a021899.	2.3	356
3	Snail is required for TGF $\beta$ -induced endothelial-mesenchymal transition of embryonic stem cell-derived endothelial cells. <i>Journal of Cell Science</i> , 2008, 121, 3317-3324.	1.2	276
4	VEGF-A and FGF-2 synergistically promote neoangiogenesis through enhancement of endogenous PDGF- $\beta$ -PDGFR $\beta$ signaling. <i>Journal of Cell Science</i> , 2005, 118, 3759-3768.	1.2	263
5	Inhibition of endogenous TGF- $\beta$ signaling enhances lymphangiogenesis. <i>Blood</i> , 2008, 111, 4571-4579.	0.6	207
6	TGF- $\beta$ receptor kinase inhibitor enhances growth and integrity of embryonic stem cell-derived endothelial cells. <i>Journal of Cell Biology</i> , 2003, 163, 1303-1311.	2.3	172
7	Activin-Nodal signaling is involved in propagation of mouse embryonic stem cells. <i>Journal of Cell Science</i> , 2007, 120, 55-65.	1.2	163
8	BMP-9 induces proliferation of multiple types of endothelial cells in vitro and in vivo. <i>Journal of Cell Science</i> , 2010, 123, 1684-1692.	1.2	156
9	USAG-1: a bone morphogenetic protein antagonist abundantly expressed in the kidney. <i>Biochemical and Biophysical Research Communications</i> , 2004, 316, 490-500.	1.0	135
10	Prox1 Induces Lymphatic Endothelial Differentiation via Integrin $\alpha$ 9 and Other Signaling Cascades. <i>Molecular Biology of the Cell</i> , 2007, 18, 1421-1429.	0.9	131
11	Thyroid Transcription Factor-1 Inhibits Transforming Growth Factor- $\beta$ -Mediated Epithelial-to-Mesenchymal Transition in Lung Adenocarcinoma Cells. <i>Cancer Research</i> , 2009, 69, 2783-2791.	0.4	123
12	Functional Heterogeneity of Bone Morphogenetic Protein Receptor-II Mutants Found in Patients with Primary Pulmonary Hypertension. <i>Molecular Biology of the Cell</i> , 2002, 13, 3055-3063.	0.9	121
13	TGF- $\beta$ -induced epithelial-mesenchymal transition of A549 lung adenocarcinoma cells is enhanced by pro-inflammatory cytokines derived from RAW 264.7 macrophage cells. <i>Journal of Biochemistry</i> , 2012, 151, 205-216.	0.9	117
14	Effect of Smad7 Expression on Metastasis of Mouse Mammary Carcinoma JygMC(A) Cells. <i>Journal of the National Cancer Institute</i> , 2005, 97, 1734-1746.	3.0	110
15	BMPs Promote Proliferation and Migration of Endothelial Cells via Stimulation of VEGF-A/VEGFR2 and Angiopoietin-1/Tie2 Signalling. <i>Journal of Biochemistry</i> , 2008, 143, 199-206.	0.9	108
16	COUP- $\beta$ II regulates the functions of Prox1 in lymphatic endothelial cells through direct interaction. <i>Genes To Cells</i> , 2009, 14, 425-434.	0.5	107
17	Roles of TGF- $\beta$ Signals in Endothelial-Mesenchymal Transition during Cardiac Fibrosis. <i>International Journal of Inflammation</i> , 2011, 2011, 1-8.	0.9	102
18	Coamplification of prostate stem cell antigen (PSCA) and MYC in locally advanced prostate cancer. , 2000, 27, 95-103.		97

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19	BMP signals inhibit proliferation and in vivo tumor growth of androgen-insensitive prostate carcinoma cells. <i>Oncogene</i> , 2004, 23, 9326-9335.	2.6	95
20	TGF- $\beta$ 2-induced mesenchymal transition of MS-1 endothelial cells requires Smad-dependent cooperative activation of Rho signals and MRTF-A. <i>Journal of Biochemistry</i> , 2012, 151, 145-156.	0.9	95
21	Bone morphogenetic protein-9 inhibits lymphatic vessel formation via activin receptor-like kinase 1 during development and cancer progression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 18940-18945.	3.3	95
22	TNF- $\alpha$ enhances TGF- $\beta$ 2-induced endothelial-to-mesenchymal transition via TGF- $\beta$ 2 signal augmentation. <i>Cancer Science</i> , 2020, 111, 2385-2399.	1.7	83
23	Excess Lymphangiogenesis Cooperatively Induced by Macrophages and CD4+ T Cells Drives the Pathogenesis of Lymphedema. <i>Journal of Investigative Dermatology</i> , 2016, 136, 706-714.	0.3	79
24	Roles of TGF- $\beta$ 2 family signals in the fate determination of pluripotent stem cells. <i>Seminars in Cell and Developmental Biology</i> , 2014, 32, 98-106.	2.3	69
25	Xlim-1 and LIM Domain Binding Protein 1 Cooperate with Various Transcription Factors in the Regulation of the gooseoid Promoter. <i>Developmental Biology</i> , 2000, 224, 470-485.	0.9	61
26	BMP Sustains Embryonic Stem Cell Self-Renewal through Distinct Functions of Different Kr $\beta$ 4/4ppel-like Factors. <i>Stem Cell Reports</i> , 2016, 6, 64-73.	2.3	61
27	Molecular cloning and amino acid sequencing of rat liver class theta glutathione S-transferase Yrs-Yrs inactivating reactive sulfate esters of carcinogenic arylmethanols. <i>Biochemical and Biophysical Research Communications</i> , 1991, 181, 1294-1300.	1.0	59
28	Growth, regeneration, and tumorigenesis of the prostate activates the PSCA promoter. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 401-406.	3.3	56
29	Roles for the MH2 Domain of Smad7 in the Specific Inhibition of Transforming Growth Factor- $\beta$ 2 Superfamily Signaling. <i>Journal of Biological Chemistry</i> , 2004, 279, 31568-31574.	1.6	56
30	Lysosome-associated membrane proteins-1 and -2 (LAMP-1 and LAMP-2) assemble via distinct modes. <i>Biochemical and Biophysical Research Communications</i> , 2016, 479, 489-495.	1.0	55
31	Functional Conservation of the Wnt Signaling Pathway Revealed by Ectopic Expression of <i>Drosophila</i> dishevelled in <i>Xenopus</i> . <i>Developmental Biology</i> , 1995, 170, 717-721.	0.9	54
32	Roles of vascular endothelial growth factor receptor 3 signaling in differentiation of mouse embryonic stem cell-derived vascular progenitor cells into endothelial cells. <i>Blood</i> , 2005, 105, 2372-2379.	0.6	50
33	Ets family members induce lymphangiogenesis through physical and functional interaction with Prox1. <i>Journal of Cell Science</i> , 2011, 124, 2753-2762.	1.2	46
34	MicroRNA-31 is a positive modulator of endothelial-to-mesenchymal transition and associated secretory phenotype induced by TGF- $\beta$ 2. <i>Genes To Cells</i> , 2016, 21, 99-116.	0.5	46
35	Noncanonical Wnt signaling mediates androgen-dependent tumor growth in a mouse model of prostate cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 4938-4943.	3.3	45
36	Expression of platelet-derived growth factor receptor $\beta$ 2 is maintained by Prox1 in lymphatic endothelial cells and is required for tumor lymphangiogenesis. <i>Cancer Science</i> , 2014, 105, 1116-1123.	1.7	44

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37	Ras signaling directs endothelial specification of VEGFR2+ vascular progenitor cells. <i>Journal of Cell Biology</i> , 2008, 181, 131-141.	2.3	42
38	VEGFR2-PLC $\beta$ 3 axis is essential for endothelial specification of VEGFR2+ vascular progenitor cells. <i>Journal of Cell Science</i> , 2009, 122, 3303-3311.	1.2	39
39	Emerging roles of inflammation-mediated endothelial $\rightarrow$ mesenchymal transition in health and disease. <i>Inflammation and Regeneration</i> , 2022, 42, 9.	1.5	37
40	Fibroblast growth factor signals regulate transforming growth factor $\beta$ -induced endothelial $\rightarrow$ myofibroblast transition of tumor endothelial cells via Elk1. <i>Molecular Oncology</i> , 2019, 13, 1706-1724.	2.1	36
41	Deletion of PSCA increases metastasis of TRAMP $\beta$ -induced prostate tumors without altering primary tumor formation. <i>Prostate</i> , 2008, 68, 139-151.	1.2	34
42	The Fate of Transplanted Periodontal Ligament Stem Cells in Surgically Created Periodontal Defects in Rats. <i>International Journal of Molecular Sciences</i> , 2019, 20, 192.	1.8	34
43	TGF-beta and TNF-alpha cooperatively induce mesenchymal transition of lymphatic endothelial cells via activation of Activin signals. <i>PLoS ONE</i> , 2020, 15, e0232356.	1.1	34
44	Identification of targets of Prox1 during in vitro vascular differentiation from embryonic stem cells: functional roles of HoxD8 in lymphangiogenesis. <i>Journal of Cell Science</i> , 2009, 122, 3923-3930.	1.2	33
45	Interleukin-13 receptor $\beta$ 2 is a novel marker and potential therapeutic target for human melanoma. <i>Scientific Reports</i> , 2019, 9, 1281.	1.6	33
46	Roles of signaling and transcriptional networks in pathological lymphangiogenesis. <i>Advanced Drug Delivery Reviews</i> , 2016, 99, 161-171.	6.6	31
47	Targeting all transforming growth factor $\beta$ isoforms with an Fc chimeric receptor impairs tumor growth and angiogenesis of oral squamous cell cancer. <i>Journal of Biological Chemistry</i> , 2020, 295, 12559-12572.	1.6	30
48	Vasohibin $\beta$ 2 is required for epithelial $\rightarrow$ mesenchymal transition of ovarian cancer cells by modulating transforming growth factor $\beta$ 2 signaling. <i>Cancer Science</i> , 2017, 108, 419-426.	1.7	28
49	Novel Hybrid Compound of a Plinabulin Prodrug with an IgG Binding Peptide for Generating a Tumor Selective Noncovalent-Type Antibody $\rightarrow$ Drug Conjugate. <i>Bioconjugate Chemistry</i> , 2016, 27, 1606-1613.	1.8	22
50	Changes in characteristics of periodontal ligament stem cells in spheroid culture. <i>Journal of Periodontal Research</i> , 2019, 54, 364-373.	1.4	18
51	Development of stabilin2+ endothelial cells from mouse embryonic stem cells by inhibition of TGF $\beta$ 2/activin signaling. <i>Biochemical and Biophysical Research Communications</i> , 2008, 375, 256-260.	1.0	16
52	Widespread inference of weighted microRNA-mediated gene regulation in cancer transcriptome analysis. <i>Nucleic Acids Research</i> , 2013, 41, e62-e62.	6.5	16
53	PDMP, a ceramide analogue, acts as an inhibitor of mTORC1 by inducing its translocation from lysosome to endoplasmic reticulum. <i>Experimental Cell Research</i> , 2017, 350, 103-114.	1.2	14
54	Activation of $\beta$ 2 $\rightarrow$ adrenergic receptor signals suppresses mesenchymal phenotypes of oral squamous cell carcinoma cells. <i>Cancer Science</i> , 2021, 112, 155-167.	1.7	12

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55	Progression of melanoma is suppressed by targeting all transforming growth factor $\beta$ isoforms with an Fc chimeric receptor. <i>Oncology Reports</i> , 2021, 46, .	1.2	12
56	Intracellular claudin $\beta$ 1 at the invasive front of tongue squamous cell carcinoma is associated with lymph node metastasis. <i>Cancer Science</i> , 2020, 111, 700-712.	1.7	12
57	Spontaneous differentiation of periodontal ligament stem cells into myofibroblast during ex vivo expansion. <i>Journal of Cellular Physiology</i> , 2019, 234, 20377-20391.	2.0	11
58	Angiogenic Effects of Secreted Factors from Periodontal Ligament Stem Cells. <i>Dentistry Journal</i> , 2021, 9, 9.	0.9	11
59	Tubulin carboxypeptidase activity of vasohibin-1 inhibits angiogenesis by interfering with endocytosis and trafficking of pro-angiogenic factor receptors. <i>Angiogenesis</i> , 2021, 24, 159-176.	3.7	10
60	Roles of transcriptional network during the formation of lymphatic vessels. <i>Journal of Biochemistry</i> , 2012, 152, 213-220.	0.9	9
61	PROX1 suppresses vitamin K-induced transcriptional activity of steroid and xenobiotic receptor. <i>Genes To Cells</i> , 2011, 16, 1063-1070.	0.5	8
62	Peptide $\beta$ 2 from mouse myostatin precursor protein alleviates muscle wasting in cancer-associated cachexia. <i>Cancer Science</i> , 2020, 111, 2954-2964.	1.7	8
63	A novel immunotoxin reveals a new role for CD321 in endothelial cells. <i>PLoS ONE</i> , 2017, 12, e0181502.	1.1	8
64	TGF $\beta$ 2 Signaling in Embryonic Stem Cell-Derived Endothelial Cells. , 2006, 330, 341-352.		7
65	Roles of old players in the suppression of a new player: networks for the transcriptional control of angiogenesis. <i>Journal of Biochemistry</i> , 2011, 149, 117-119.	0.9	7
66	Roles of Dppa2 in the regulation of the present status and future of pluripotent stem cells. <i>Journal of Biochemistry</i> , 2012, 152, 1-3.	0.9	6
67	Dual targeting of vascular endothelial growth factor and bone morphogenetic protein $\beta$ 9/10 impairs tumor growth through inhibition of angiogenesis. <i>Cancer Science</i> , 2017, 108, 151-155.	1.7	6
68	Unilateral nasal obstruction alters sweet taste preference and sweet taste receptors in rat circumvallate papillae. <i>Acta Histochemica</i> , 2019, 121, 135-142.	0.9	6
69	The ceramide analogue N-(1-hydroxy-3-morpholino-1-phenylpropan-2-yl)decanamide induces large lipid droplet accumulation and highlights the effect of LAMP-2 deficiency on lipid droplet degradation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 126891.	1.0	5
70	ASK1 suppresses NK cell-mediated intravascular tumor cell clearance in lung metastasis. <i>Cancer Science</i> , 2021, 112, 1633-1643.	1.7	5
71	Isolation and characterisation of lymphatic endothelial cells from lung tissues affected by lymphangioliomyomatosis. <i>Scientific Reports</i> , 2021, 11, 8406.	1.6	5
72	Ras signaling and RREB1 are required for the dissociation of medial edge epithelial cells in murine palatogenesis. <i>DMM Disease Models and Mechanisms</i> , 2022, 15, .	1.2	5

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73	Construction of transplantable artificial vascular tissue based on adipose tissue-derived mesenchymal stromal cells by a cell coating and cryopreservation technique. Scientific Reports, 2021, 11, 17989.	1.6	4
74	Mechanoresponsive and lubricating changes of mandibular condylar cartilage associated with mandibular lateral shift and recovery in the growing rat. Clinical Oral Investigations, 2020, 24, 3547-3557.	1.4	3
75	Hapten sensitization to vaginal mucosa induces less recruitment of dendritic cells accompanying TGF $\beta$ 1-expressing CD206 <sup>+</sup> cells compared with skin. Immunity, Inflammation and Disease, 2022, 10, e605.	1.3	3
76	Roles of Transcription Factors and Signaling Networks in the Regulation of Lymphatic Endothelial Cell Function. The Journal of Japanese College of Angiology, 2020, 60, 193-196.	0.1	0
77	Vascular System in Tumor Microenvironment and Its Application for in vitro Assay. Membrane, 2022, 47, 161-168.	0.0	0