Peter ten Dijke

List of Publications by Year in Descending Order

451 papers	51,894 citations	118 h-index	218 g-index
499 ext. papers	56,956 ext. citations	8.1 avg, IF	7.75 L-index

#	Paper	IF	Citations
451	Spatial proteogenomics reveals distinct and evolutionarily conserved hepatic macrophage niches.. *Cell*, **2022**, 185, 379-396.e38	56.2	20
450	CD161 expression and regulation defines rapidly responding effector CD4+ T cells associated with improved survival in HPV16-associated tumors. **2022**, 10,		3
449	Transforming growth factor-□challenge alters the N-, O-, and glycosphingolipid glycomes in PaTu-S pancreatic adenocarcinoma cells.. *Journal of Biological Chemistry*, **2022**, 101717	5.4	1
448	Combinatorial Therapeutic Approaches with Nanomaterial-Based Photodynamic Cancer Therapy.. *Pharmaceutics*, **2022**, 14,	6.4	3
447	RNF12 is regulated by AKT phosphorylation and promotes TGF-□driven breast cancer metastasis.. *Cell Death and Disease*, **2022**, 13, 44	9.8	0
446	Visualizing Dynamic Changes During TGF-□nduced Epithelial to Mesenchymal Transition.. *Methods in Molecular Biology*, **2022**, 2488, 47-65	1.4	0
445	Establishment of Embryonic Zebrafish Xenograft Assays to Investigate TGF-□Family Signaling in Human Breast Cancer Progression.. *Methods in Molecular Biology*, **2022**, 2488, 67-80	1.4	1
444	A Programmable Multifunctional 3D Cancer Cell Invasion Micro Platform.. *Small*, **2022**, e2107757	11	0
443	Crystal structures of BMPRII extracellular domain in binary and ternary receptor complexes with BMP10.. *Nature Communications*, **2022**, 13, 2395	17.4	1
442	Microfluidics meets 3D cancer cell migration.. *Trends in Cancer*, **2022**,	12.5	1
441	OVOL1 inhibits breast cancer cell invasion by enhancing the degradation of TGF-□type I receptor.. *Signal Transduction and Targeted Therapy*, **2022**, 7, 126	21	0
440	Dynamic Visualization of TGF-□SMAD3 Transcriptional Responses in Single Living Cells. *Cancers*, **2022**, 14, 2508	6.6	0
439	Photodynamic Therapy in Combination with the Hepatitis B Core Virus-like Particles (HBc VLPs) to Prime Anticancer Immunity for Colorectal Cancer Treatment. *Cancers*, **2022**, 14, 2724	6.6	2
438	A Programmable Multifunctional 3D Cancer Cell Invasion Micro Platform (Small 20/2022). *Small*, **2022**, 18, 2270103	11	
437	Synthesis and preclinical evaluation of [11C]LR111 and [18F]EW-7197 as PET tracers of the activin-receptor like kinase-5. *Nuclear Medicine and Biology*, **2022**, 112-113, 9-19	2.1	0
436	Fibrodysplasia Ossificans Progressiva: What Have We Achieved and Where Are We Now? Follow-up to the 2015 Lorentz Workshop. *Frontiers in Endocrinology*, **2021**, 12, 732728	5.7	1
435	Cancer associated-fibroblast-derived exosomes in cancer progression. *Molecular Cancer*, **2021**, 20, 154	42.1	10

434	The polarity protein Par3 coordinates positively self-renewal and negatively invasiveness in glioblastoma. *Cell Death and Disease*, **2021**, 12, 932	9.8	1
433	Breast cancer dormancy is associated with a 4NG1 state and not senescence. *Npj Breast Cancer*, **2021**, 7, 140	7.8	3
432	Endothelium-derived stromal cells contribute to hematopoietic bone marrow niche formation. *Cell Stem Cell*, **2021**, 28, 653-670.e11	18	8
431	An Experimental Liver Metastasis Mouse Model Suitable for Short and Long-Term Intravital Imaging. *Current Protocols*, **2021**, 1, e116		1
430	Inhibiting Endothelial Cell Function in Normal and Tumor Angiogenesis Using BMP Type I Receptor Macrocyclic Kinase Inhibitors. *Cancers*, **2021**, 13,	6.6	1
429	Role of glycosylation in TGF-β signaling and epithelial-to-mesenchymal transition in cancer. *Protein and Cell*, **2021**, 12, 89-106	7.2	19
428	E3 Ubiquitin Ligases: Key Regulators of TGFβ Signaling in Cancer Progression. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	6
427	A comprehensive enhancer screen identifies TRAM2 as a key and novel mediator of YAP oncogenesis. *Genome Biology*, **2021**, 22, 54	18.3	6
426	Targeting TGFβ signal transduction for cancer therapy. *Signal Transduction and Targeted Therapy*, **2021**, 6, 8	21	62
425	TGF-β mediated Endothelial to Mesenchymal Transition (EndMT) and the Functional Assessment of EndMT Effectors using CRISPR/Cas9 Gene Editing. *Journal of Visualized Experiments*, **2021**,	1.6	2
424	TGF-β Induced Endothelial to Mesenchymal Transition Is Determined by a Balance Between SNAIL and ID Factors. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 616610	5.7	7
423	Challenges and Opportunities for Drug Repositioning in Fibrodysplasia Ossificans Progressiva. *Biomedicines*, **2021**, 9,	4.8	1
422	Inhibition of the prolyl isomerase Pin1 improves endothelial function and attenuates vascular remodelling in pulmonary hypertension by inhibiting TGF-β signalling. *Angiogenesis*, **2021**, 1	10.6	0
421	The protein kinase LKB1 promotes self-renewal and blocks invasiveness in glioblastoma. *Journal of Cellular Physiology*, **2021**,	7	1
420	Fine-tuning ALK1 linear polyubiquitination to control angiogenesis. *Trends in Cell Biology*, **2021**, 31, 705-717	18.3	1
419	Cripto favors chondrocyte hypertrophy via TGF-β SMAD1/5 signaling during development of osteoarthritis. *Journal of Pathology*, **2021**, 255, 330-342	9.4	1
418	Metabolic Reprogramming of Mammary Epithelial Cells during TGF-β Induced Epithelial-to-Mesenchymal Transition. *Metabolites*, **2021**, 11,	5.6	3
417	Therapeutic targeting of TGF-β in cancer: hacking a master switch of immune suppression. *Clinical Science*, **2021**, 135, 35-52	6.5	16

416	Cercosporamide inhibits bone morphogenetic protein receptor type I kinase activity in zebrafish. *DMM Disease Models and Mechanisms*, **2020**, 13,	4.1	1
415	TGF-β-Induced Endothelial to Mesenchymal Transition in Disease and Tissue Engineering. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 260	5.7	50
414	Secreted BMP antagonists and their role in cancer and bone metastases. *Bone*, **2020**, 137, 115455	4.7	6
413	Bone morphogenetic protein receptors: Structure, function and targeting by selective small molecule kinase inhibitors. *Bone*, **2020**, 138, 115472	4.7	19
412	Differential - and Glycosphingolipid Glycosylation in Human Pancreatic Adenocarcinoma Cells With Opposite Morphology and Metastatic Behavior. *Frontiers in Oncology*, **2020**, 10, 732	5.3	9
411	A Signaling Crosstalk between BMP9 and HGF/c-Met Regulates Mouse Adult Liver Progenitor Cell Survival. *Cells*, **2020**, 9,	7.9	6
410	Immunotherapeutic Potential of TGF-β Inhibition and Oncolytic Viruses. *Trends in Immunology*, **2020**, 41, 406-420	14.4	34
409	Mutant ACVR1 Arrests Glial Cell Differentiation to Drive Tumorigenesis in Pediatric Gliomas. *Cancer Cell*, **2020**, 37, 308-323.e12	24.3	21
408	On-Target Anti-TGF-β Therapies Are Not Succeeding in Clinical Cancer Treatments: What Are Remaining Challenges?. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 605	5.7	49
407	TGFβ and EGF signaling orchestrates the AP-1- and p63 transcriptional regulation of breast cancer invasiveness. *Oncogene*, **2020**, 39, 4436-4449	9.2	18
406	Tacrolimus-Induced BMP/SMAD Signaling Associates With Metabolic Stress-Activated FOXO1 to Trigger β-Cell Failure. *Diabetes*, **2020**, 69, 193-204	0.9	10
405	Uncovering the deubiquitinase activity landscape of breast cancer. *Oncoscience*, **2020**, 7, 85-87	0.8	
404	Uncovering the deubiquitinase activity landscape of breast cancer. *Oncoscience*, **2020**, 7, 85-87	0.8	
403	Studying TGF-β Signaling and TGF-β-Induced Epithelial-to-mesenchymal Transition in Breast Cancer and Normal Cells. *Journal of Visualized Experiments*, **2020**,	1.6	5
402	Designed nanomolar small-molecule inhibitors of Ena/VASP EVH1 interaction impair invasion and extravasation of breast cancer cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 29684-29690	11.5	4
401	THG-1 suppresses SALL4 degradation to induce stemness genes and tumorsphere formation through antagonizing NRBP1 in squamous cell carcinoma cells. *Biochemical and Biophysical Research Communications*, **2020**, 523, 307-314	3.4	0
400	TGFβ-induced metabolic reprogramming during epithelial-to-mesenchymal transition in cancer. *Cellular and Molecular Life Sciences*, **2020**, 77, 2103-2123	10.3	59
399	Deubiquitinase Activity Profiling Identifies UCHL1 as a Candidate Oncoprotein That Promotes TGFβ-Induced Breast Cancer Metastasis. *Clinical Cancer Research*, **2020**, 26, 1460-1473	12.9	45

398	Current perspectives on inhibitory SMAD7 in health and disease. *Critical Reviews in Biochemistry and Molecular Biology*, **2020**, 55, 691-715	8.7	13
397	TGF-β signaling in liver metastasis. *Clinical and Translational Medicine*, **2020**, 10, e160	5.7	7
396	Reactivation of BMP signaling by suboptimal concentrations of MEK inhibitor and FK506 reduces organ-specific breast cancer metastasis. *Cancer Letters*, **2020**, 493, 41-54	9.9	9
395	Mechanotransduction is a context-dependent activator of TGF-β signaling in mesenchymal stem cells. *Biomaterials*, **2020**, 259, 120331	15.6	8
394	Small-Molecule Activity-Based Probe for Monitoring Ubiquitin C-Terminal Hydrolase L1 (UCHL1) Activity in Live Cells and Zebrafish Embryos. *Journal of the American Chemical Society*, **2020**, 142, 16825-16841	16.4	18
393	VprBP mitigates TGF-β and Activin signaling by promoting Smurf1-mediated type I receptor degradation. *Journal of Molecular Cell Biology*, **2020**, 12, 138-151	6.3	5
392	Development of a 96-well plate sample preparation method for integrated N- and O-glycomics using porous graphitized carbon liquid chromatography-mass spectrometry. *Molecular Omics*, **2020**, 16, 355-363	4.4	22
391	Cancer-associated fibroblast-derived Gremlin 1 promotes breast cancer progression. *Breast Cancer Research*, **2019**, 21, 109	8.3	42
390	c-Met activation leads to the establishment of a TGFβ receptor regulatory network in bladder cancer progression. *Nature Communications*, **2019**, 10, 4349	17.4	25
389	Role of soluble endoglin in BMP9 signaling. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 17800-17808	11.5	35
388	Generation of non-standard macrocyclic peptides specifically binding TSC-22 homologous gene-1. *Biochemical and Biophysical Research Communications*, **2019**, 516, 445-450	3.4	3
387	Epigenetic Reprogramming of TGF-β Signaling in Breast Cancer. *Cancers*, **2019**, 11,	6.6	35
386	TGF-β Mediated Epithelial-Mesenchymal Transition and Cancer Metastasis. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	324
385	DIPG-13. A NOVEL MOUSE MODEL REVEALS UNEXPECTED MECHANISMS OF ACTION OF ACVR1 MUTATIONS IN DIFFUSE INTRINSIC PONTINE GLIOMA. *Neuro-Oncology*, **2019**, 21, ii71-ii71	1	78
384	Combined Inhibition of TGF-β Signaling and the PD-L1 Immune Checkpoint Is Differentially Effective in Tumor Models. *Cells*, **2019**, 8,	7.9	51
383	The therapeutic potential of targeting the endothelial-to-mesenchymal transition. *Angiogenesis*, **2019**, 22, 3-13	10.6	39
382	Autophagy contributes to BMP type 2 receptor degradation and development of pulmonary arterial hypertension. *Journal of Pathology*, **2019**, 249, 356-367	9.4	17
381	Prevention of progression of pulmonary hypertension by the Nur77 agonist 6-mercaptopurine: role of BMP signalling. *European Respiratory Journal*, **2019**, 54,	13.6	20

380	In vivo imaging of TGF signalling components using positron emission tomography. *Drug Discovery Today*, **2019**, 24, 2258-2272	8.8	4
379	GREM1 is associated with metastasis and predicts poor prognosis in ER-negative breast cancer patients. *Cell Communication and Signaling*, **2019**, 17, 140	7.5	13
378	Generation of Fibrodysplasia ossificans progressiva and control integration free iPSC lines from periodontal ligament fibroblasts. *Stem Cell Research*, **2019**, 41, 101639	1.6	5
377	Development of Macrocycle Kinase Inhibitors for ALK2 Using Fibrodysplasia Ossificans Progressiva-Derived Endothelial Cells. *JBMR Plus*, **2019**, 3, e10230	3.9	13
376	JNK-Dependent cJun Phosphorylation Mitigates TGF and EGF-Induced Pre-Malignant Breast Cancer Cell Invasion by Suppressing AP-1-Mediated Transcriptional Responses. *Cells*, **2019**, 8,	7.9	4
375	A Perspective on the Development of TGF- Inhibitors for Cancer Treatment. *Biomolecules*, **2019**, 9,	5.9	73
374	Inflammation induces endothelial-to-mesenchymal transition and promotes vascular calcification through downregulation of BMPR2. *Journal of Pathology*, **2019**, 247, 333-346	9.4	61
373	TGF- Family Signaling Pathways in Cellular Dormancy. *Trends in Cancer*, **2019**, 5, 66-78	12.5	29
372	Bone morphogenetic protein receptor signal transduction in human disease. *Journal of Pathology*, **2019**, 247, 9-20	9.4	85
371	JUNB governs a feed-forward network of TGF signaling that aggravates breast cancer invasion. *Nucleic Acids Research*, **2018**, 46, 1180-1195	20.1	47
370	TGF- family co-receptor function and signaling. *Acta Biochimica Et Biophysica Sinica*, **2018**, 50, 12-36	2.8	93
369	TGF- Signaling in Control of Cardiovascular Function. *Cold Spring Harbor Perspectives in Biology*, **2018**, 10,	10.2	129
368	Bone Morphogenetic Proteins in Vascular Homeostasis and Disease. *Cold Spring Harbor Perspectives in Biology*, **2018**, 10,	10.2	77
367	Endothelial-to-mesenchymal transition in cardiovascular diseases: Developmental signaling pathways gone awry. *Developmental Dynamics*, **2018**, 247, 492-508	2.9	79
366	Epithelial-mesenchymal-transition-inducing transcription factors: new targets for tackling chemoresistance in cancer?. *Oncogene*, **2018**, 37, 6195-6211	9.2	86
365	Bone morphogenetic protein 9 as a key regulator of liver progenitor cells in DDC-induced cholestatic liver injury. *Liver International*, **2018**, 38, 1664-1675	7.9	17
364	TGF- in Cancer Progression: From Tumor Suppressor to Tumor Promotor **2018**, 455-455		
363	Signal Transduction Cascades Controlling Osteoblast Differentiation **2018**, 54-59		

362	Endoglin Expression on Cancer-Associated Fibroblasts Regulates Invasion and Stimulates Colorectal Cancer Metastasis. *Clinical Cancer Research*, **2018**, 24, 6331-6344	12.9	71
361	Hepatocyte-specific Smad7 deletion accelerates DEN-induced HCC via activation of STAT3 signaling in mice. *Oncogenesis*, **2017**, 6, e294	6.6	12
360	Smad2 Phosphorylation in Diabetic Kidney Tubule Epithelial Cells Is Associated with Modulation of Several Transforming Growth Factor-Family Members. *Nephron*, **2017**, 135, 291-306	3.3	13
359	TMED10 Protein Interferes with Transforming Growth Factor (TGF)-Signaling by Disrupting TGF- Receptor Complex Formation. *Journal of Biological Chemistry*, **2017**, 292, 4099-4112	5.4	11
358	Targeting TGF-Signaling in Cancer. *Trends in Cancer*, **2017**, 3, 56-71	12.5	444
357	Fluid shear stress-induced TGF-ALK5 signaling in renal epithelial cells is modulated by MEK1/2. *Cellular and Molecular Life Sciences*, **2017**, 74, 2283-2298	10.3	20
356	USP4 inhibits SMAD4 monoubiquitination and promotes activin and BMP signaling. *EMBO Journal*, **2017**, 36, 1623-1639	13	34
355	Bone Morphogenetic Proteins in the Initiation and Progression of Breast Cancer **2017**, 409-433		3
354	FAF1 phosphorylation by AKT accumulates TGF-type II receptor and drives breast cancer metastasis. *Nature Communications*, **2017**, 8, 15021	17.4	32
353	BMP type II receptor as a therapeutic target in pulmonary arterial hypertension. *Cellular and Molecular Life Sciences*, **2017**, 74, 2979-2995	10.3	54
352	SUMO-triggered ubiquitination of NR4A1 controls macrophage cell death. *Cell Death and Differentiation*, **2017**, 24, 1530-1539	12.7	19
351	BMP-9 interferes with liver regeneration and promotes liver fibrosis. *Gut*, **2017**, 66, 939-954	19.2	69
350	Invasive Behavior of Human Breast Cancer Cells in Embryonic Zebrafish. *Journal of Visualized Experiments*, **2017**,	1.6	19
349	Disparate phospho-Smad2 levels in advanced type 2 diabetes patients with diabetic nephropathy and early experimental db/db mouse model. *Renal Failure*, **2017**, 39, 629-642	2.9	6
348	Breast cancer metastasis suppressor OTUD1 deubiquitinates SMAD7. *Nature Communications*, **2017**, 8, 2116	17.4	49
347	TGF-induced SMAD2/3 and SMAD1/5 phosphorylation are both ALK5-kinase-dependent in primary chondrocytes and mediated by TAK1 kinase activity. *Arthritis Research and Therapy*, **2017**, 19, 112	5.7	30
346	New function of the myostatin/activin type I receptor (ALK4) as a mediator of muscle atrophy and muscle regeneration. *FASEB Journal*, **2017**, 31, 238-255	0.9	12
345	Bone Morphogenetic Protein 9 Protects against Neonatal Hyperoxia-Induced Impairment of Alveolarization and Pulmonary Inflammation. *Frontiers in Physiology*, **2017**, 8, 486	4.6	22

344	TGF-β-Induced Endothelial-Mesenchymal Transition in Fibrotic Diseases. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	161
343	ALK1Fc Suppresses the Human Prostate Cancer Growth in and Preclinical Models. *Frontiers in Cell and Developmental Biology*, **2017**, 5, 104	5.7	3
342	Fish tales: The use of zebrafish xenograft human cancer cell models. *Histology and Histopathology*, **2017**, 32, 673-686	1.4	18
341	Effects of ALK1Fc treatment on prostate cancer cells interacting with bone and bone cells in bone metastasis models.. *Journal of Clinical Oncology*, **2017**, 35, e16576-e16576	2.2	
340	Targeting BMP signalling in cardiovascular disease and anaemia. *Nature Reviews Cardiology*, **2016**, 13, 106-20	14.8	131
339	Immunoregulation by members of the TGFβ superfamily. *Nature Reviews Immunology*, **2016**, 16, 723-740	36.5	204
338	Targeting tumour vasculature by inhibiting activin receptor-like kinase (ALK)1 function. *Biochemical Society Transactions*, **2016**, 44, 1142-9	5.1	28
337	A current perspective on applications of macrocyclic-peptide-based high-affinity ligands. *Biopolymers*, **2016**, 106, 889-900	2.2	18
336	Inhibition of TGFβ type I receptor activity facilitates liver regeneration upon acute CCl4 intoxication in mice. *Archives of Toxicology*, **2016**, 90, 347-57	5.8	28
335	Expression of TGFβ family signalling components in ageing cartilage: age-related loss of TGFβ and BMP receptors. *Osteoarthritis and Cartilage*, **2016**, 24, 1235-45	6.2	28
334	TGF-β signalling and liver disease. *FEBS Journal*, **2016**, 283, 2219-32	5.7	297
333	The rationale for targeting TGF-β in chronic liver diseases. *European Journal of Clinical Investigation*, **2016**, 46, 349-61	4.6	46
332	Activin Receptor-like Kinase 1 Ligand Trap Reduces Microvascular Density and Improves Chemotherapy Efficiency to Various Solid Tumors. *Clinical Cancer Research*, **2016**, 22, 96-106	12.9	39
331	Interrogating TGF-β Function and Regulation in Endothelial Cells. *Methods in Molecular Biology*, **2016**, 1344, 193-203	1.4	10
330	Mutational activation of BRAF confers sensitivity to transforming growth factor beta inhibitors in human cancer cells. *Oncotarget*, **2016**, 7, 81995-82012	3.3	10
329	Determining TGF-β Receptor Levels in the Cell Membrane. *Methods in Molecular Biology*, **2016**, 1344, 35-47	1.4	5
328	In Brief: Endothelial-to-mesenchymal transition. *Journal of Pathology*, **2016**, 238, 378-80	9.4	39
327	Smad6 determines BMP-regulated invasive behaviour of breast cancer cells in a zebrafish xenograft model. *Scientific Reports*, **2016**, 6, 24968	4.9	34

326	Inhibition of Activin Signaling Slows Progression of Polycystic Kidney Disease. *Journal of the American Society of Nephrology: JASN*, **2016**, 27, 3589-3599	12.7	35
325	Emerging regulators of BMP bioavailability. *Bone*, **2016**, 93, 220-221	4.7	1
324	c-Myb Enhances Breast Cancer Invasion and Metastasis through the Wnt/β-Catenin/Axin2 Pathway. *Cancer Research*, **2016**, 76, 3364-75	10.1	72
323	Regulation of the TGF-β pathway by deubiquitinases in cancer. *International Journal of Biochemistry and Cell Biology*, **2016**, 76, 135-45	5.6	23
322	Delta-Like Ligand 4 Modulates Liver Damage by Down-Regulating Chemokine Expression. *American Journal of Pathology*, **2016**, 186, 1874-1889	5.8	23
321	Bone morphogenetic protein signaling in bone homeostasis. *Bone*, **2015**, 80, 43-59	4.7	133
320	SLUG is expressed in endothelial cells lacking primary cilia to promote cellular calcification. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2015**, 35, 616-27	9.4	38
319	Transforming Growth Factor β Signaling in Colorectal Cancer Cells With Microsatellite Instability Despite Biallelic Mutations in TGFBR2. *Gastroenterology*, **2015**, 148, 1427-37.e8	13.3	44
318	Genetic depletion and pharmacological targeting of αv integrin in breast cancer cells impairs metastasis in zebrafish and mouse xenograft models. *Breast Cancer Research*, **2015**, 17, 28	8.3	31
317	Clinical Utility Gene Card for: Fibrodysplasia ossificans progressiva. *European Journal of Human Genetics*, **2015**, 23,	5.3	12
316	Heterozygous disruption of activin receptor-like kinase 1 is associated with increased arterial pressure in mice. *DMM Disease Models and Mechanisms*, **2015**, 8, 1427-39	4.1	5
315	Bone morphogenetic protein 6 and oxidized low-density lipoprotein synergistically recruit osteogenic differentiation in endothelial cells. *Cardiovascular Research*, **2015**, 108, 278-87	9.9	51
314	Fibulin-4 deficiency increases TGF-β signalling in aortic smooth muscle cells due to elevated TGF-β2 levels. *Scientific Reports*, **2015**, 5, 16872	4.9	17
313	Induced Pluripotent Stem Cells to Model Human Fibrodysplasia Ossificans Progressiva. *Stem Cell Reports*, **2015**, 5, 963-970	8	49
312	The BMP pathway either enhances or inhibits the Wnt pathway depending on the SMAD4 and p53 status in CRC. *British Journal of Cancer*, **2015**, 112, 122-30	8.7	44
311	Disorganised stroma determined on pre-treatment breast cancer biopsies is associated with poor response to neoadjuvant chemotherapy: Results from the NEOZOTAC trial. *Molecular Oncology*, **2015**, 9, 1120-8	7.9	22
310	A Kinome-Wide Small Interfering RNA Screen Identifies Proviral and Antiviral Host Factors in Severe Acute Respiratory Syndrome Coronavirus Replication, Including Double-Stranded RNA-Activated Protein Kinase and Early Secretory Pathway Proteins. *Journal of Virology*, **2015**, 89, 8318-33	6.6	51
309	Signal Transduction: Gain of Activin Turns Muscle into Bone. *Current Biology*, **2015**, 25, R1136-8	6.3	3

308	14-3-3 turns TGF- to the dark side. *Cancer Cell*, **2015**, 27, 151-3	24.3	9
307	The high affinity ALK1-ligand BMP9 induces a hypertrophy-like state in chondrocytes that is antagonized by TGF. *Osteoarthritis and Cartilage*, **2015**, 23, 985-95	6.2	14
306	Regulatory RNAs controlling vascular (dys)function by affecting TGF- family signalling. *EXCLI Journal*, **2015**, 14, 832-50	2.4	6
305	Functionality of endothelial cells and pericytes from human pluripotent stem cells demonstrated in cultured vascular plexus and zebrafish xenografts. *Arteriosclerosis, Thrombosis, and Vascular Biology* , **2014**, 34, 177-86	9.4	147
304	Loss of SMAD4 alters BMP signaling to promote colorectal cancer cell metastasis via activation of Rho and ROCK. *Gastroenterology*, **2014**, 147, 196-208.e13	13.3	117
303	Generation, expansion and functional analysis of endothelial cells and pericytes derived from human pluripotent stem cells. *Nature Protocols*, **2014**, 9, 1514-31	18.8	213
302	P348Impaired macrophage polarization in endoglin haplo-insufficiency leading to defective tissue repair is recovered by counter balance the TGFbeta pathway. *Cardiovascular Research*, **2014**, 103, S63.4-S63	9.9	
301	Ter94/VCP is a novel component involved in BMP signaling. *PLoS ONE*, **2014**, 9, e114475	3.7	5
300	Nuclear receptor NR4A1 promotes breast cancer invasion and metastasis by activating TGF- signalling. *Nature Communications*, **2014**, 5, 3388	17.4	124
299	Novel Ex Vivo Culture Method for the Study of Dupuytren's Disease: Effects of TGF Type 1 Receptor Modulation by Antisense Oligonucleotides. *Molecular Therapy - Nucleic Acids*, **2014**, 3, e142	10.7	19
298	Wild-type p53 inhibits pro-invasive properties of TGF- in breast cancer, in part through regulation of EPHB2, a new TGF- target gene. *Breast Cancer Research and Treatment*, **2014**, 148, 7-18	4.4	18
297	Targeting TGF- signaling by Antisense Oligonucleotide-mediated Knockdown of TGF- Type I Receptor. *Molecular Therapy - Nucleic Acids*, **2014**, 3, e156	10.7	23
296	Time-resolved dissection of early phosphoproteome and ensuing proteome changes in response to TGF- *Science Signaling*, **2014**, 7, rs5	8.8	32
295	Interaction with colon cancer cells hyperactivates TGF- signaling in cancer-associated fibroblasts. *Oncogene*, **2014**, 33, 97-107	9.2	162
294	ENDOGLIN is dispensable for vasculogenesis, but required for vascular endothelial growth factor-induced angiogenesis. *PLoS ONE*, **2014**, 9, e86273	3.7	47
293	Assessment of functional competence of endothelial cells from human pluripotent stem cells in zebrafish embryos. *Methods in Molecular Biology*, **2014**, 1213, 107-19	1.4	1
292	Overactive bone morphogenetic protein signaling in heterotopic ossification and Duchenne muscular dystrophy. *Cellular and Molecular Life Sciences*, **2013**, 70, 407-23	10.3	25
291	Signal Transduction Cascades Controlling Osteoblast Differentiation **2013**, 15-24		9

290	TRAF4 promotes TGF-receptor signaling and drives breast cancer metastasis. *Molecular Cell*, **2013**, 51, 559-72	17.6	151
289	TGF-and Cardiovascular Disorders **2013**, 297-322		1
288	Animal models of chronic liver diseases. *American Journal of Physiology - Renal Physiology*, **2013**, 304, G449-68	5.1	137
287	Signaling interplay between transforming growth factor-receptor and PI3K/AKT pathways in cancer. *Trends in Biochemical Sciences*, **2013**, 38, 612-20	10.3	158
286	Preventive and therapeutic effects of Smad7 on radiation-induced oral mucositis. *Nature Medicine*, **2013**, 19, 421-8	50.5	54
285	Three-dimensional co-cultures of human endothelial cells and embryonic stem cell-derived pericytes inside a microfluidic device. *Lab on A Chip*, **2013**, 13, 3562-8	7.2	117
284	Snail and Slug, key regulators of TGF-induced EMT, are sufficient for the induction of single-cell invasion. *Biochemical and Biophysical Research Communications*, **2013**, 435, 58-63	3.4	96
283	Specific interactions between Smad proteins and AP-1 components determine TGFinduced breast cancer cell invasion. *Oncogene*, **2013**, 32, 3606-15	9.2	72
282	UBE2O negatively regulates TRAF6-mediated NF-B activation by inhibiting TRAF6 polyubiquitination. *Cell Research*, **2013**, 23, 366-77	24.7	52
281	Deficiency for endoglin in tumor vasculature weakens the endothelial barrier to metastatic dissemination. *Journal of Experimental Medicine*, **2013**, 210, 563-79	16.6	96
280	Transforming growth factor-(TGF-)-mediated connective tissue growth factor (CTGF) expression in hepatic stellate cells requires Stat3 signaling activation. *Journal of Biological Chemistry*, **2013**, 288, 30708-30719	5.4	137
279	The prognostic role of TGF-signaling pathway in breast cancer patients. *Annals of Oncology*, **2013**, 24, 384-390	10.3	48
278	Endoglin for tumor imaging and targeted cancer therapy. *Expert Opinion on Therapeutic Targets*, **2013**, 17, 421-35	6.4	34
277	Fine-tuning BMP7 signalling in adipogenesis by UBE2O/E2-230K-mediated monoubiquitination of SMAD6. *EMBO Journal*, **2013**, 32, 996-1007	13	54
276	Activin receptor-like kinase 1 as a target for anti-angiogenesis therapy. *Expert Opinion on Investigational Drugs*, **2013**, 22, 1371-83	5.9	28
275	Transforming growth factor-signalling controls human breast cancer metastasis in a zebrafish xenograft model. *Breast Cancer Research*, **2013**, 15, R106	8.3	89
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List of Publications

2	TRAF4 inhibits bladder cancer progression by promoting BMP/SMAD signalling pathway	1
1	A Small-Molecule Activity-Based Probe for Monitoring Ubiquitin C-terminal Hydrolase L1 (UCHL1) Activity in Live Cells and Zebrafish Embryos	3