

Lukas J A C Hawinkels

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

4,530
citations

172457

29
h-index

106344

65
g-index

83
all docs

83
docs citations

83
times ranked

9029
citing authors

#	ARTICLE	IF	CITATIONS
1	IL-17-producing $\hat{I}^3\hat{I}$ T cells and neutrophils conspire to promote breast cancer metastasis. <i>Nature</i> , 2015, 522, 345-348.	27.8	1,303
2	Matrix Metalloproteinase-14 (MT1-MMP)â€™Mediated Endoglin Shedding Inhibits Tumor Angiogenesis. <i>Cancer Research</i> , 2010, 70, 4141-4150.	0.9	231
3	Interaction with colon cancer cells hyperactivates TGF- \hat{I}^2 signaling in cancer-associated fibroblasts. <i>Oncogene</i> , 2014, 33, 97-107.	5.9	216
4	Tumor-draining lymph nodes are pivotal in PD-1/PD-L1 checkpoint therapy. <i>JCI Insight</i> , 2018, 3, .	5.0	216
5	VEGF release by MMP-9 mediated heparan sulphate cleavage induces colorectal cancer angiogenesis. <i>European Journal of Cancer</i> , 2008, 44, 1904-1913.	2.8	177
6	Genetic and pharmacological targeting of activin receptor-like kinase 1 impairs tumor growth and angiogenesis. <i>Journal of Experimental Medicine</i> , 2010, 207, 85-100.	8.5	159
7	Nuclear receptor NR4A1 promotes breast cancer invasion and metastasis by activating TGF- \hat{I}^2 signalling. <i>Nature Communications</i> , 2014, 5, 3388.	12.8	156
8	Endoglin Expression on Cancer-Associated Fibroblasts Regulates Invasion and Stimulates Colorectal Cancer Metastasis. <i>Clinical Cancer Research</i> , 2018, 24, 6331-6344.	7.0	138
9	Exploring anti-TGF- \hat{I}^2 therapies in cancer and fibrosis. <i>Growth Factors</i> , 2011, 29, 140-152.	1.7	134
10	Clinical evidence for a protective role of lipocalin-2 against MMP-9 autodegradation and the impact for gastric cancer. <i>European Journal of Cancer</i> , 2007, 43, 1869-1876.	2.8	128
11	BMP-9 interferes with liver regeneration and promotes liver fibrosis. <i>Gut</i> , 2017, 66, 939-954.	12.1	107
12	Elevated TGF \hat{I}^2 â€™Smad signalling in experimental <i><i>Pkd1</i></i> models and human patients with polycystic kidney disease. <i>Journal of Pathology</i> , 2010, 222, 21-31.	4.5	89
13	Selecting Targets for Tumor Imaging: An Overview of Cancer-Associated Membrane Proteins. <i>Biomarkers in Cancer</i> , 2016, 8, BIC.S38542.	3.6	82
14	Tissue level, activation and cellular localisation of TGF- \hat{I}^2 1 and association with survival in gastric cancer patients. <i>British Journal of Cancer</i> , 2007, 97, 398-404.	6.4	80
15	MMP-2 and MMP-9 in normal mucosa are independently associated with outcome of colorectal cancer patients. <i>British Journal of Cancer</i> , 2012, 106, 1495-1498.	6.4	68
16	The prognostic role of TGF- \hat{I}^2 signaling pathway in breast cancer patients. <i>Annals of Oncology</i> , 2013, 24, 384-390.	1.2	65
17	Endoglin: Beyond the Endothelium. <i>Biomolecules</i> , 2020, 10, 289.	4.0	62
18	The BMP pathway either enhances or inhibits the Wnt pathway depending on the SMAD4 and p53 status in CRC. <i>British Journal of Cancer</i> , 2015, 112, 122-130.	6.4	61

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19	ENDOGLIN Is Dispensable for Vasculogenesis, but Required for Vascular Endothelial Growth Factor-Induced Angiogenesis. PLoS ONE, 2014, 9, e86273.	2.5	59
20	Endoglin targeting inhibits tumor angiogenesis and metastatic spread in breast cancer. Oncogene, 2016, 35, 4069-4079.	5.9	55
21	Translating complexity and heterogeneity of pancreatic tumor: 3D in vitro to in vivo models. Advanced Drug Delivery Reviews, 2021, 174, 265-293.	13.7	53
22	Multimodality Imaging Reveals a Gradual Increase in Matrix Metalloproteinase Activity at Aneurysmal Lesions in Live Fibulin-4 Mice. Circulation: Cardiovascular Imaging, 2010, 3, 567-577.	2.6	50
23	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.	7.0	47
24	Circulating bone morphogenetic protein levels and delayed fracture healing. International Orthopaedics, 2013, 37, 523-527.	1.9	45
25	MMP-2 geno-phenotype is prognostic for colorectal cancer survival, whereas MMP-9 is not. British Journal of Cancer, 2008, 98, 1820-1823.	6.4	43
26	Active TGF- β 1 correlates with myofibroblasts and malignancy in the colorectal adenoma-carcinoma sequence. Cancer Science, 2009, 100, 663-670.	3.9	42
27	Targeting of the Cancer-Associated Fibroblast-T-Cell Axis in Solid Malignancies. Journal of Clinical Medicine, 2019, 8, 1989.	2.4	42
28	Endoglin for tumor imaging and targeted cancer therapy. Expert Opinion on Therapeutic Targets, 2013, 17, 421-435.	3.4	37
29	Stromal Cells in the Pathogenesis of Inflammatory Bowel Disease. Journal of Crohn's and Colitis, 2020, 14, 995-1009.	1.3	36
30	Targeting pancreatic cancer by TAK-981: a SUMOylation inhibitor that activates the immune system and blocks cancer cell cycle progression in a preclinical model. Gut, 2022, 71, 2266-2283.	12.1	35
31	Activin receptor-like kinase 1 as a target for anti-angiogenesis therapy. Expert Opinion on Investigational Drugs, 2013, 22, 1371-1383.	4.1	33
32	Angiogenic markers endoglin and vascular endothelial growth factor in gastroenteropancreatic neuroendocrine tumors. World Journal of Gastroenterology, 2011, 17, 219.	3.3	28
33	Endoglin Regulation of Smad2 Function Mediates Beclin1 Expression and Endothelial Autophagy. Journal of Biological Chemistry, 2015, 290, 14884-14892.	3.4	28
34	Targeting Endoglin-Expressing Regulatory T Cells in the Tumor Microenvironment Enhances the Effect of PD1 Checkpoint Inhibitor Immunotherapy. Clinical Cancer Research, 2020, 26, 3831-3842.	7.0	28
35	Fluid shear stress-induced TGF- β 2/ALK5 signaling in renal epithelial cells is modulated by MEK1/2. Cellular and Molecular Life Sciences, 2017, 74, 2283-2298.	5.4	27
36	Fibulin-4 deficiency increases TGF- β 2 signalling in aortic smooth muscle cells due to elevated TGF- β 2 levels. Scientific Reports, 2015, 5, 16872.	3.3	22

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37	Endoglin Targeting: Lessons Learned and Questions That Remain. <i>International Journal of Molecular Sciences</i> , 2021, 22, 147.	4.1	22
38	5-Aminosalicylic acid inhibits TGF- β 1 signalling in colorectal cancer cells. <i>Cancer Letters</i> , 2010, 287, 82-90.	7.2	20
39	Src-mediated Post-translational Regulation of Endoglin Stability and Function Is Critical for Angiogenesis. <i>Journal of Biological Chemistry</i> , 2014, 289, 25486-25496.	3.4	18
40	Bidirectional tumor/stroma crosstalk promotes metastasis in mesenchymal colorectal cancer. <i>Oncogene</i> , 2020, 39, 2453-2466.	5.9	18
41	Mesenchymal stromal cells prevent progression of liver fibrosis in a novel zebrafish embryo model. <i>Scientific Reports</i> , 2018, 8, 16005.	3.3	17
42	Extracellular Matrix Defects in Aneurysmal Fibulin-4 Mice Predispose to Lung Emphysema. <i>PLoS ONE</i> , 2014, 9, e106054.	2.5	17
43	Endoscopic Administration of Mesenchymal Stromal Cells Reduces Inflammation in Experimental Colitis. <i>Inflammatory Bowel Diseases</i> , 2018, 24, 1755-1767.	1.9	16
44	Extracellular BMP Antagonists, Multifaceted Orchestrators in the Tumor and Its Microenvironment. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3888.	4.1	16
45	Mesenchymal Stromal Cell-Derived Exosomes Contribute to Epithelial Regeneration in Experimental Inflammatory Bowel Disease. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2020, 9, 715-717.e8.	4.5	15
46	The adaptive immune system promotes initiation of prostate carcinogenesis in a human c-Myc transgenic mouse model. <i>Oncotarget</i> , 2017, 8, 93867-93877.	1.8	15
47	Endothelium specific matrilysin (MMP-7) expression in human cancers. <i>Matrix Biology</i> , 2007, 27, 267-71.	3.6	13
48	Tumour-stroma ratio has poor prognostic value in nonpedunculated T1 colorectal cancer: A multicentre case-cohort study. <i>United European Gastroenterology Journal</i> , 2021, 9, 478-485.	3.8	13
49	Enhanced antigen cross-presentation in human colorectal cancer-associated fibroblasts through upregulation of the lysosomal protease cathepsin S. , 2022, 10, e003591.		13
50	Adenoviral vaccines promote protective tissue-resident memory T cell populations against cancer. , 2020, 8, e001133.		12
51	Fibroblast Subsets in Intestinal Homeostasis, Carcinogenesis, Tumor Progression, and Metastasis. <i>Cancers</i> , 2021, 13, 183.	3.7	12
52	Contribution of CD3+CD8- and CD3+CD8+ T Cells to TNF- α Overexpression in Crohn Disease-Associated Perianal Fistulas and Induction of Epithelial-Mesenchymal Transition in HT-29 Cells. <i>Inflammatory Bowel Diseases</i> , 2021, 27, 538-549.	1.9	11
53	The ABCs of Antigen Presentation by Stromal Non-Professional Antigen-Presenting Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 137.	4.1	11
54	Endoglin/CD105-Based Imaging of Cancer and Cardiovascular Diseases: A Systematic Review. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4804.	4.1	10

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55	Prostaglandin F2 β -induced Prostate Transmembrane Protein, Androgen Induced 1 mediates ovarian cancer progression increasing epithelial plasticity. <i>Neoplasia</i> , 2019, 21, 1073-1084.	5.3	8
56	DUSP10 Is a Regulator of YAP1 Activity Promoting Cell Proliferation and Colorectal Cancer Progression. <i>Cancers</i> , 2019, 11, 1767.	3.7	8
57	Kinome-wide analysis of the effect of statins in colorectal cancer. <i>British Journal of Cancer</i> , 2021, 124, 1978-1987.	6.4	8
58	Efficient degradation-aided selection of protease inhibitors by phage display. <i>Biochemical and Biophysical Research Communications</i> , 2007, 364, 549-555.	2.1	7
59	A Comprehensive Review of Infectious Granulomatous Diseases of the Gastrointestinal Tract. <i>Gastroenterology Research and Practice</i> , 2021, 2021, 1-20.	1.5	5
60	Prognostic value and clinicopathologic characteristics of L1 cell adhesion molecule (L1CAM) in a large series of vulvar squamous cell carcinomas. <i>Oncotarget</i> , 2016, 7, 26192-26205.	1.8	5
61	Statin use is associated with a reduced incidence of colorectal cancer expressing SMAD4. <i>British Journal of Cancer</i> , 2022, 126, 297-301.	6.4	5
62	Targeting Endoglin Expressing Cells in the Tumor Microenvironment Does Not Inhibit Tumor Growth in a Pancreatic Cancer Mouse Model. <i>OncoTargets and Therapy</i> , 2021, Volume 14, 5205-5220.	2.0	5
63	Determination of matrilysin activity in gastrointestinal neoplasia. <i>European Journal of Clinical Investigation</i> , 2007, 37, 598-599.	3.4	4
64	Epithelial argininosuccinate synthetase is dispensable for intestinal regeneration and tumorigenesis. <i>Cell Death and Disease</i> , 2021, 12, 897.	6.3	4
65	The Role of Active Inflammation and Surgical Therapy in Crohn's Disease Recurrence. <i>Gastroenterology Research and Practice</i> , 2020, 2020, 1-6.	1.5	4
66	Multicellular Modelling of Difficult-to-Treat Gastrointestinal Cancers: Current Possibilities and Challenges. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3147.	4.1	4
67	ALK1Fc Suppresses the Human Prostate Cancer Growth in in Vitro and in Vivo Preclinical Models. <i>Frontiers in Cell and Developmental Biology</i> , 2017, 5, 104.	3.7	3
68	488 Protein Level and Gene Promoter Polymorphism of Matrilysin (Mmp-7) Are Independent Prognostic Factors for Survival of Colorectal Cancer Patients. <i>Gastroenterology</i> , 2008, 134, A-66.	1.3	2
69	Putting the Wnt up colon cancer. <i>Gut</i> , 2017, 66, 983-984.	12.1	2
70	Abstract 1370: Activin receptor-like kinase 1 ligand trap reduces microvascular density and improves chemotherapy efficiency to various solid tumors. , 2015, , .		1
71	138. The prognostic role of TGF- β 2 signaling pathway in breast cancer patients. <i>European Journal of Surgical Oncology</i> , 2012, 38, 777.	1.0	0
72	Su1860 Fibroblasts Promote Invasion in SMAD4 Negative Colorectal Cancers by Producing BMP-2. <i>Gastroenterology</i> , 2014, 146, S-488.	1.3	0

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73	Endoglin as an Important Regulator of Colorectal Cancer Invasion and Metastasis. <i>Gastroenterology</i> , 2017, 152, S87.	1.3	0
74	Endoscopic Bowel Injections of Mesenchymal Stromal Cells Alleviate Experimental Colitis. <i>Gastroenterology</i> , 2017, 152, S30.	1.3	0
75	Genetic and pharmacological targeting of activin receptor-like kinase 1 impairs tumor growth and angiogenesis. <i>Journal of Cell Biology</i> , 2010, 188, i1-i1.	5.2	0
76	Abstract 4130: Dual targeting of VEGF and endoglin inhibits tumor angiogenesis and metastatic spread. , 2015, , .		0
77	Effects of ALK1Fc treatment on prostate cancer cells interacting with bone and bone cells in bone metastasis models.. <i>Journal of Clinical Oncology</i> , 2017, 35, e16576-e16576.	1.6	0
78	673â€...(Re-) Solving the biology of colorectal cancer onset and progression to improve treatment and prevention. , 2021, 9, A701-A701.		0
79	Abstract 291: Synergistic inhibition of cancer invasion and metastasis by combined anti-PD1-TRC105-mediated Endoglin targeting on cancer-associated fibroblasts and endothelial cells. , 2019, , .		0