

Cornelis F M Sier

List of Publications by Year in descending order

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118
papers

5,041
citations

76326

40
h-index

95266

68
g-index

120
all docs

120
docs citations

120
times ranked

7089
citing authors

#	ARTICLE	IF	CITATIONS
1	Tissue levels of matrix metalloproteinases MMP-2 and MMP-9 are related to the overall survival of patients with gastric carcinoma. <i>British Journal of Cancer</i> , 1996, 74, 413-417.	6.4	268
2	Matrix Metalloproteinase-14 (MT1-MMP) 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- β 2 signaling in cancer-associated fibroblasts. <i>Oncogene</i> , 2014, 33, 97-107.	5.9	216
4	Use and efficacy of bone morphogenetic proteins in fracture healing. <i>International Orthopaedics</i> , 2011, 35, 1271-1280.	1.9	215
5	Serum level of soluble urokinase-type plasminogen activator receptor is a strong and independent predictor of survival in human immunodeficiency virus infection. <i>Blood</i> , 2000, 96, 4091-4095.	1.4	185
6	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
7	Urokinase receptor and colorectal cancer survival. <i>Lancet, The</i> , 1994, 344, 401-402.	13.7	174
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	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
10	Increased mucosal matrix metalloproteinase-1, -2, -3 and -9 activity in patients with inflammatory bowel disease and the relation with Crohn's disease phenotype. <i>Digestive and Liver Disease</i> , 2007, 39, 733-739.	0.9	123
11	Expression of matrix metalloproteinases-2 and -9 in intestinal tissue of patients with inflammatory bowel diseases. <i>Digestive and Liver Disease</i> , 2005, 37, 584-592.	0.9	116
12	Plasminogen activators in multiple sclerosis lesions: Implications for the inflammatory response and axonal damage. <i>Brain</i> , 2001, 124, 1978-1988.	7.6	114
13	Clinical impact of MMP and TIMP gene polymorphisms in gastric cancer. <i>British Journal of Cancer</i> , 2006, 95, 744-751.	6.4	105
14	Shedding and cleavage of the urokinase receptor (uPAR): identification and characterisation of uPAR fragments in vitro and in vivo. <i>FEBS Letters</i> , 2000, 475, 52-56.	2.8	103
15	Proteolysis of the urokinase-type plasminogen activator receptor by metalloproteinase-12: implication for angiogenesis in fibrin matrices. <i>Blood</i> , 2001, 97, 3123-3131.	1.4	100
16	Increased expression of cancer-associated fibroblast markers at the invasive front and its association with tumor-stroma ratio in colorectal cancer. <i>BMC Cancer</i> , 2019, 19, 284.	2.6	95
17	Matrix metalloproteinase-2 is a consistent prognostic factor in gastric cancer. <i>British Journal of Cancer</i> , 2006, 94, 1035-1040.	6.4	88
18	Superoxide dismutases in relation to the overall survival of colorectal cancer patients. <i>British Journal of Cancer</i> , 1998, 78, 1051-1057.	6.4	84

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19	Selecting Targets for Tumor Imaging: An Overview of Cancer-Associated Membrane Proteins. <i>Biomarkers in Cancer</i> , 2016, 8, BIC.S38542.	3.6	82
20	ITGA5 inhibition in pancreatic stellate cells attenuates desmoplasia and potentiates efficacy of chemotherapy in pancreatic cancer. <i>Science Advances</i> , 2019, 5, eaax2770.	10.3	81
21	Tissue level, activation and cellular localisation of TGF- β 1 and association with survival in gastric cancer patients. <i>British Journal of Cancer</i> , 2007, 97, 398-404.	6.4	80
22	Clinical prognostic value of combined analysis of Aldh1, Survivin, and EpCAM expression in colorectal cancer. <i>British Journal of Cancer</i> , 2014, 110, 2935-2944.	6.4	73
23	Imbalance of plasminogen activators and their inhibitors in human colorectal neoplasia. <i>Gastroenterology</i> , 1991, 101, 1522-1528.	1.3	72
24	Inactive urokinase and increased levels of its inhibitor type 1 in colorectal cancer liver metastasis. <i>Gastroenterology</i> , 1994, 107, 1449-1456.	1.3	69
25	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
26	Clinical Applications of the Urokinase Receptor (uPAR) for Cancer Patients. <i>Current Pharmaceutical Design</i> , 2011, 17, 1890-1910.	1.9	64
27	PAI-1 inhibits urokinase-induced chemotaxis by internalizing the urokinase receptor. <i>FEBS Letters</i> , 2001, 505, 249-254.	2.8	63
28	Cytoplasmic Overexpression of HER2: A Key Factor in Colorectal Cancer. <i>Clinical Medicine Insights: Oncology</i> , 2013, 7, CMO.S10811.	1.3	62
29	Real-time near-infrared fluorescence imaging using cRGD-ZW800-1 for intraoperative visualization of multiple cancer types. <i>Oncotarget</i> , 2017, 8, 21054-21066.	1.8	60
30	Plasminogen activators in normal tissue and carcinomas of the human oesophagus and stomach. <i>Gut</i> , 1993, 34, 80-85.	12.1	59
31	Preclinical evaluation of a novel CEA-targeting near-infrared fluorescent tracer delineating colorectal and pancreatic tumors. <i>International Journal of Cancer</i> , 2015, 137, 1910-1920.	5.1	55
32	Endoglin targeting inhibits tumor angiogenesis and metastatic spread in breast cancer. <i>Oncogene</i> , 2016, 35, 4069-4079.	5.9	55
33	Prognostic value of the plasminogen activation system in patients with gastric carcinoma. <i>Cancer</i> , 1996, 77, 1035-1043.	4.1	53
34	EMMPRIN-induced MMP-2 activation cascade in human cervical squamous cell carcinoma. <i>International Journal of Cancer</i> , 2006, 118, 2991-2998.	5.1	49
35	Selecting Tumor-Specific Molecular Targets in Pancreatic Adenocarcinoma: Paving the Way for Image-Guided Pancreatic Surgery. <i>Molecular Imaging and Biology</i> , 2016, 18, 807-819.	2.6	47
36	Circulating bone morphogenetic protein levels and delayed fracture healing. <i>International Orthopaedics</i> , 2013, 37, 523-527.	1.9	45

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37	Prognostic value of plasminogen activators and their inhibitors in colorectal cancer. <i>European Journal of Cancer</i> , 1995, 31, 1105-1109.	2.8	44
38	MMP-2 geno-phenotype is prognostic for colorectal cancer survival, whereas MMP-9 is not. <i>British Journal of Cancer</i> , 2008, 98, 1820-1823.	6.4	43
39	Active TGF α 21 correlates with myofibroblasts and malignancy in the colorectal adenoma-carcinoma sequence. <i>Cancer Science</i> , 2009, 100, 663-670.	3.9	42
40	uPAR-targeted multimodal tracer for pre- and intraoperative imaging in cancer surgery. <i>Oncotarget</i> , 2015, 6, 14260-14273.	1.8	42
41	Contribution of plasminogen activators and their inhibitors to the survival prognosis of patients with Dukes' stage B and C colorectal cancer. <i>British Journal of Cancer</i> , 1997, 75, 1793-1801.	6.4	41
42	Beta-glucan enhanced killing of renal cell carcinoma micrometastases by monoclonal antibody G250 directed complement activation. <i>International Journal of Cancer</i> , 2004, 109, 900-908.	5.1	40
43	Immunolocalization of urokinase-type plasminogen activator in adenomas and carcinomas of the colorectum. <i>Histopathology</i> , 1991, 19, 231-238.	2.9	39
44	Expression of endoglin (CD105) in cervical cancer. <i>British Journal of Cancer</i> , 2009, 100, 1617-1626.	6.4	38
45	EpCAM as multi-tumour target for near-infrared fluorescence guided surgery. <i>BMC Cancer</i> , 2016, 16, 884.	2.6	36
46	Expression of uPAR in tumor-associated stromal cells is associated with colorectal cancer patient prognosis: a TMA study. <i>BMC Cancer</i> , 2014, 14, 269.	2.6	33
47	Injury pattern, injury severity, and mortality in 33,495 hospital-admitted victims of motorized two-wheeled vehicle crashes in The Netherlands. <i>Journal of Trauma</i> , 2012, 72, 1363-1368.	2.3	32
48	Selection of optimal molecular targets for tumor-specific imaging in pancreatic ductal adenocarcinoma. <i>Oncotarget</i> , 2017, 8, 56816-56828.	1.8	32
49	ID: 111 INFLIXIMAB INDUCES A GENOTYPE-DEPENDENT MUCOSA PROTECTIVE MATRIX METALLOPROTEINASE PHENOTYPE IN INFLAMMATORY BOWEL DISEASE. <i>Journal of Thrombosis and Haemostasis</i> , 2006, 4, 129-129.	3.8	30
50	Eradication of <i>Helicobacter pylori</i> Infection Favourably Affects Altered Gastric Mucosal MMP-9 Levels. <i>Helicobacter</i> , 2007, 12, 498-504.	3.5	29
51	Metabolism of tumour-derived urokinase receptor and receptor fragments in cancer patients and xenografted mice. <i>Thrombosis and Haemostasis</i> , 2004, 91, 403-411.	3.4	28
52	Displaced midshaft fractures of the clavicle: non-operative treatment versus plate fixation (Sleutel-TRIAL). A multicentre randomised controlled trial. <i>BMC Musculoskeletal Disorders</i> , 2011, 12, 196.	1.9	28
53	Preclinical uPAR-targeted multimodal imaging of locoregional oral cancer. <i>Oral Oncology</i> , 2017, 66, 1-8.	1.5	28
54	Targeting Endoglin-Expressing Regulatory T Cells in the Tumor Microenvironment Enhances the Effect of PD1 Checkpoint Inhibitor Immunotherapy. <i>Clinical Cancer Research</i> , 2020, 26, 3831-3842.	7.0	28

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55	Implant removal associated complications in children with limb fractures due to trauma. <i>European Journal of Trauma and Emergency Surgery</i> , 2011, 37, 623-627.	1.7	25
56	Fluorescence-guided tumor detection with a novel anti-EpCAM targeted antibody fragment: Preclinical validation. <i>Surgical Oncology</i> , 2019, 28, 1-8.	1.6	24
57	Single-nucleotide polymorphisms of matrix metalloproteinases and their inhibitors in gastrointestinal cancer. <i>World Journal of Gastrointestinal Oncology</i> , 2011, 3, 79.	2.0	22
58	Plasminogen activators and inhibitor type 1 in neoplastic colonic tissue from patients with familial adenomatous polyposis. <i>British Journal of Cancer</i> , 1995, 71, 393-396.	6.4	20
59	MMP-9 Activity in Urine from Patients with Various Tumors, as Measured by a Novel MMP Activity Assay Using Modified Urokinase as a Substrate. <i>Annals of the New York Academy of Sciences</i> , 1999, 878, 141-149.	3.8	20
60	5-Aminosalicylic acid inhibits TGF- β 1 signalling in colorectal cancer cells. <i>Cancer Letters</i> , 2010, 287, 82-90.	7.2	20
61	Anti-GD2-IRDye800CW as a targeted probe for fluorescence-guided surgery in neuroblastoma. <i>Scientific Reports</i> , 2020, 10, 17667.	3.3	20
62	Glutathione S-transferases in liver metastases of colorectal cancer. A comparison with normal liver and primary carcinomas. <i>Carcinogenesis</i> , 1994, 15, 2149-2153.	2.8	19
63	Cross-linking tumor cells with effector cells via CD55 with a bispecific mAb induces β -glucan-dependent CR3-dependent cellular cytotoxicity. <i>European Journal of Immunology</i> , 2006, 36, 977-984.	2.9	19
64	Matrix metalloproteinases and their tissue inhibitors as prognostic indicators for diagnostic and surgical recurrence in Crohn's disease. <i>Inflammatory Bowel Diseases</i> , 2009, 15, 84-92.	1.9	19
65	Tetranectin expression in human colonic neoplasia. <i>Histopathology</i> , 1994, 25, 463-467.	2.9	18
66	Stromal Targets for Fluorescent-Guided Oncologic Surgery. <i>Frontiers in Oncology</i> , 2015, 5, 254.	2.8	18
67	EGFR and α 6 as Promising Targets for Molecular Imaging of Cutaneous and Mucosal Squamous Cell Carcinoma of the Head and Neck Region. <i>Cancers</i> , 2020, 12, 1474.	3.7	17
68	Prognostic Impact of Urokinase Plasminogen Activator Receptor Expression in Pancreatic Cancer: Malignant Versus Stromal Cells. <i>Biomarker Insights</i> , 2017, 12, 117727191771544.	2.5	16
69	Molecular imaging of the urokinase plasminogen activator receptor: opportunities beyond cancer. <i>EJNMMI Research</i> , 2020, 10, 87.	2.5	16
70	Clinical significance of stromal apoptosis in colorectal cancer. <i>British Journal of Cancer</i> , 2009, 101, 765-773.	6.4	15
71	In Search for Optimal Targets for Intraoperative Fluorescence Imaging of Peritoneal Metastasis From Colorectal Cancer. <i>Biomarkers in Cancer</i> , 2017, 9, 1179299X1772825.	3.6	14
72	Evaluation of EphA2 and EphB4 as Targets for Image-Guided Colorectal Cancer Surgery. <i>International Journal of Molecular Sciences</i> , 2017, 18, 307.	4.1	14

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73	Biomarker expression in rectal cancer tissue before and after neoadjuvant therapy. <i>OncoTargets and Therapy</i> , 2018, Volume 11, 1655-1664.	2.0	14
74	Introducing Fluorescence-Guided Surgery for Pediatric Ewing, Osteo-, and Rhabdomyosarcomas: A Literature Review. <i>Biomedicines</i> , 2021, 9, 1388.	3.2	14
75	Gastric mucosal plasminogen activators in <i>Helicobacter pylori</i> infection. <i>Digestive Diseases and Sciences</i> , 1996, 41, 1577-1582.	2.3	13
76	Endothelium specific matrilysin (MMP-7) expression in human cancers. <i>Matrix Biology</i> , 2007, 27, 267-71.	3.6	13
77	Bone healing and Mannose-Binding Lectin. <i>International Journal of Surgery</i> , 2013, 11, 296-300.	2.7	13
78	Targeting Glycans and Heavily Glycosylated Proteins for Tumor Imaging. <i>Cancers</i> , 2020, 12, 3870.	3.7	13
79	Introducing fluorescence guided surgery into orthopedic oncology: A systematic review of candidate protein targets for Ewing sarcoma. <i>Journal of Surgical Oncology</i> , 2018, 118, 906-914.	1.7	12
80	Molecular targets for diagnostic and intraoperative imaging of pancreatic ductal adenocarcinoma after neoadjuvant FOLFIRINOX treatment. <i>Scientific Reports</i> , 2020, 10, 16211.	3.3	12
81	Vitamin D in Head and Neck Cancer: a Systematic Review. <i>Current Oncology Reports</i> , 2021, 23, 5.	4.0	12
82	Association of aneuploidy in index adenomas with metachronous colorectal adenoma development and a comparison. <i>Cancer</i> , 1992, 70, 2035-2043.	4.1	10
83	Candidate Biomarkers for Specific Intraoperative Near-Infrared Imaging of Soft Tissue Sarcomas: A Systematic Review. <i>Cancers</i> , 2021, 13, 557.	3.7	10
84	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
85	High performance density gradient electrophoresis of subcellular organelles, protein complexes and proteins. <i>Electrophoresis</i> , 1998, 19, 1171-1178.	2.4	9
86	Novel Molecular Targets for Tumor-Specific Imaging of Epithelial Ovarian Cancer Metastases. <i>Cancers</i> , 2020, 12, 1562.	3.7	9
87	Cell-Based Tracers as Trojan Horses for Image-Guided Surgery. <i>International Journal of Molecular Sciences</i> , 2021, 22, 755.	4.1	9
88	Fluorescence and multispectral optoacoustic imaging for an optimized detection of deeply located tumors in an orthotopic mouse model of pancreatic carcinoma. <i>International Journal of Cancer</i> , 2018, 142, 2118-2129.	5.1	8
89	Identifying Biomarkers in Lymph Node Metastases of Esophageal Adenocarcinoma for Tumor-Targeted Imaging. <i>Molecular Diagnosis and Therapy</i> , 2020, 24, 191-200.	3.8	8
90	A multimodal molecular imaging approach targeting urokinase plasminogen activator receptor for the diagnosis, resection and surveillance of urothelial cell carcinoma. <i>European Journal of Cancer</i> , 2021, 146, 11-20.	2.8	8

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91	Overview and Future Perspectives on Tumor-Targeted Positron Emission Tomography and Fluorescence Imaging of Pancreatic Cancer in the Era of Neoadjuvant Therapy. <i>Cancers</i> , 2021, 13, 6088.	3.7	8
92	Efficient degradation-aided selection of protease inhibitors by phage display. <i>Biochemical and Biophysical Research Communications</i> , 2007, 364, 549-555.	2.1	7
93	Morphological and phenotypical features of ovarian metastases in breast cancer patients. <i>BMC Cancer</i> , 2017, 17, 206.	2.6	7
94	Identification of cell-surface markers for detecting breast cancer cells in ovarian tissue. <i>Archives of Gynecology and Obstetrics</i> , 2016, 294, 385-393.	1.7	6
95	Glycan-Based Near-infrared Fluorescent (NIRF) Imaging of Gastrointestinal Tumors: a Preclinical Proof-of-Concept In Vivo Study. <i>Molecular Imaging and Biology</i> , 2020, 22, 1511-1522.	2.6	6
96	Potential targets for tumor-specific imaging of vulvar squamous cell carcinoma: A systematic review of candidate biomarkers. <i>Gynecologic Oncology</i> , 2020, 156, 734-743.	1.4	6
97	uPAR directed-imaging of head-and-neck cancer. <i>Oncotarget</i> , 2017, 8, 20519-20520.	1.8	6
98	Side-by-Side Comparison of uPAR-Targeting Optical Imaging Antibodies and Antibody Fragments for Fluorescence-Guided Surgery of Solid Tumors. <i>Molecular Imaging and Biology</i> , 2021, , 1.	2.6	6
99	The effect of treatment of <i>Helicobacter pylori</i> infection on gastric mucosal plasminogen activators. <i>Fibrinolysis</i> , 1996, 10, 85-89.	0.5	5
100	CEA, EpCAM, α 26 and uPAR Expression in Rectal Cancer Patients with a Pathological Complete Response after Neoadjuvant Therapy. <i>Diagnostics</i> , 2021, 11, 516.	2.6	5
101	Determination of matrilysin activity in gastrointestinal neoplasia. <i>European Journal of Clinical Investigation</i> , 2007, 37, 598-599.	3.4	4
102	Urinary levels of urokinase-type plasminogen activator and its receptor in the detection of bladder carcinoma. <i>Cancer</i> , 2003, 98, 1995-1995.	4.1	3
103	An Immunohistochemical Evaluation of Tumor-Associated Glycans and Mucins as Targets for Molecular Imaging of Pancreatic Ductal Adenocarcinoma. <i>Cancers</i> , 2021, 13, 5777.	3.7	3
104	A method for semi-automated image analysis of HLA class I tumour epithelium expression in rectal cancer. <i>European Journal of Histochemistry</i> , 2019, 63, .	1.5	2
105	Reply to the letter to the editor: Could the use of bone morphogenetic proteins in fracture healing do more harm than good to our patients?. <i>International Orthopaedics</i> , 2012, 36, 685-685.	1.9	1
106	Evaluation of EphB4 as Target for Image-Guided Surgery of Breast Cancer. <i>Pharmaceuticals</i> , 2020, 13, 172.	3.8	1
107	Small Molecules for Multi-Wavelength Near-Infrared Fluorescent Mapping of Regional and Sentinel Lymph Nodes in Colorectal Cancer Staging. <i>Frontiers in Oncology</i> , 2020, 10, 586112.	2.8	1
108	Integrin α 26 as a Target for Tumor-Specific Imaging of Vulvar Squamous Cell Carcinoma and Adjacent Premalignant Lesions. <i>Cancers</i> , 2021, 13, 6006.	3.7	1

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109	ID: 108 HIGH MMP-9/NGAL COMPLEX LEVELS IN GASTRIC CANCER TISSUE ARE ASSOCIATED WITH WORSE SURVIVAL. <i>Journal of Thrombosis and Haemostasis</i> , 2006, 4, 127-127.	3.8	0
110	ID: 110 MATRIX METALLOPROTEINASES AND THEIR INHIBITORS IN GASTRIC CANCER: CLINICAL APPLICATION OF GENES AND PROTEINS. <i>Journal of Thrombosis and Haemostasis</i> , 2006, 4, 128-128.	3.8	0
111	Endoglin as an Important Regulator of Colorectal Cancer Invasion and Metastasis. <i>Gastroenterology</i> , 2017, 152, S87.	1.3	0
112	Welcome to Surgeries: A New Open Access Platform for Clinical and Experimental Research and Developments in All Fields of Surgery. <i>Surgeries</i> , 2020, 1, 1-1.	0.6	0
113	NIR Fluorescence Imaging of Colon Cancer With cRGD-ZW800-1 Response. <i>Clinical Cancer Research</i> , 2021, 27, 4938-4938.	7.0	0
114	Abstract 4130: Dual targeting of VEGF and endoglin inhibits tumor angiogenesis and metastatic spread. , 2015, , .		0
115	Abstract P6-01-01: Immunohistochemical staining and in vitro analysis of HER2-positive breast cancer using trastuzumab and pertuzumab to develop an appropriate tracer in image-guided surgery. , 2019, , .		0
116	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
117	EP952...Novel molecular target selection for tumour-specific imaging of metastases from epithelial ovarian cancer. , 2019, , .		0
118	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