

Onno W Kranenburg

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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.

110
papers

6,581
citations

41
h-index

80
g-index

121
ext. papers

7,617
ext. citations

7.5
avg, IF

5.58
L-index

#	Paper	IF	Citations
110	Lysophosphatidic acid: G-protein signalling and cellular responses. <i>Current Opinion in Cell Biology</i> , 1997 , 9, 168-73	9	470
109	Characterization of 911: a new helper cell line for the titration and propagation of early region 1-deleted adenoviral vectors. <i>Human Gene Therapy</i> , 1996 , 7, 215-22	4.8	460
108	Molecular dissection of the Rho-associated protein kinase (p160ROCK)-regulated neurite remodeling in neuroblastoma N1E-115 cells. <i>Journal of Cell Biology</i> , 1998 , 141, 1625-36	7.3	424
107	Ischemia/reperfusion accelerates the outgrowth of hepatic micrometastases in a highly standardized murine model. <i>Hepatology</i> , 2005 , 42, 165-75	11.2	337
106	The guanine nucleotide exchange factor Tiam1 affects neuronal morphology; opposing roles for the small GTPases Rac and Rho. <i>Journal of Cell Biology</i> , 1997 , 139, 797-807	7.3	317
105	Activation of RhoA by lysophosphatidic acid and Galpha12/13 subunits in neuronal cells: induction of neurite retraction. <i>Molecular Biology of the Cell</i> , 1999 , 10, 1851-7	3.5	268
104	Glycation induces formation of amyloid cross-beta structure in albumin. <i>Journal of Biological Chemistry</i> , 2003 , 278, 41810-9	5.4	210
103	Surgical implantation of an abdominal imaging window for intravital microscopy. <i>Nature Protocols</i> , 2013 , 8, 583-94	18.8	180
102	Src and Pyk2 mediate G-protein-coupled receptor activation of epidermal growth factor receptor (EGFR) but are not required for coupling to the mitogen-activated protein (MAP) kinase signaling cascade. <i>Journal of Biological Chemistry</i> , 2001 , 276, 20130-5	5.4	165
101	Pancreatic cancer organoids recapitulate disease and allow personalized drug screening. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 ,	11.5	150
100	Intravital microscopy through an abdominal imaging window reveals a pre-micrometastasis stage during liver metastasis. <i>Science Translational Medicine</i> , 2012 , 4, 158ra145	17.5	147
99	Identification of a novel, putative Rho-specific GDP/GTP exchange factor and a RhoA-binding protein: control of neuronal morphology. <i>Journal of Cell Biology</i> , 1997 , 137, 1603-13	7.3	143
98	Dynamin is required for the activation of mitogen-activated protein (MAP) kinase by MAP kinase kinase. <i>Journal of Biological Chemistry</i> , 1999 , 274, 35301-4	5.4	141
97	Characterization of p190RhoGEF, a RhoA-specific guanine nucleotide exchange factor that interacts with microtubules. <i>Journal of Biological Chemistry</i> , 2001 , 276, 4948-56	5.4	139
96	Ras-MAP kinase signaling by lysophosphatidic acid and other G protein-coupled receptor agonists. <i>Oncogene</i> , 2001 , 20, 1540-6	9.2	137
95	Fusogenic peptides enhance endosomal escape improving siRNA-induced silencing of oncogenes. <i>International Journal of Pharmaceutics</i> , 2007 , 331, 211-4	6.5	127
94	SIRT1/PGC1Edependent Increase in Oxidative Phosphorylation Supports Chemotherapy Resistance of Colon Cancer. <i>Clinical Cancer Research</i> , 2015 , 21, 2870-9	12.9	116

93	Oral Mucosal Organoids as a Potential Platform for Personalized Cancer Therapy. <i>Cancer Discovery</i> , 2019 , 9, 852-871	24.4	115
92	The KRAS oncogene: past, present, and future. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2005 , 1756, 81-2	11.2	110
91	Oncogenic K-Ras turns death receptors into metastasis-promoting receptors in human and mouse colorectal cancer cells. <i>Gastroenterology</i> , 2010 , 138, 2357-67	13.3	105
90	Practical and Robust Identification of Molecular Subtypes in Colorectal Cancer by Immunohistochemistry. <i>Clinical Cancer Research</i> , 2017 , 23, 387-398	12.9	98
89	Tissue-type plasminogen activator is a multiligand cross-beta structure receptor. <i>Current Biology</i> , 2002 , 12, 1833-9	6.3	93
88	Ongoing chromosomal instability and karyotype evolution in human colorectal cancer organoids. <i>Nature Genetics</i> , 2019 , 51, 824-834	36.3	91
87	The secretome of colon cancer stem cells contains drug-metabolizing enzymes. <i>Journal of Proteomics</i> , 2013 , 91, 84-96	3.9	81
86	Diacylglycerol kinase theta binds to and is negatively regulated by active RhoA. <i>Journal of Biological Chemistry</i> , 1999 , 274, 6820-2	5.4	79
85	Specialized Nutritional Support Improves Muscle Function and Maintains Physical Activity Without Affecting Chemotherapy Efficacy in a Colorectal Cancer Mouse Model. <i>Current Developments in Nutrition</i> , 2021 , 5, 286-286	0.4	78
84	Differentiated human colorectal cancer cells protect tumor-initiating cells from irinotecan. <i>Gastroenterology</i> , 2011 , 141, 269-78	13.3	75
83	Accelerated perinecrotic outgrowth of colorectal liver metastases following radiofrequency ablation is a hypoxia-driven phenomenon. <i>Annals of Surgery</i> , 2009 , 249, 814-23	7.8	74
82	Wip1 confers G2 checkpoint recovery competence by counteracting p53-dependent transcriptional repression. <i>EMBO Journal</i> , 2009 , 28, 3196-206	13	60
81	Stimulation of angiogenesis by Ras proteins. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2004 , 1654, 23-37	11.2	57
80	GPX2 suppression of H2O2 stress links the formation of differentiated tumor mass to metastatic capacity in colorectal cancer. <i>Cancer Research</i> , 2014 , 74, 6717-30	10.1	56
79	Identification of the DEAD box RNA helicase DDX3 as a therapeutic target in colorectal cancer. <i>Oncotarget</i> , 2015 , 6, 28312-26	3.3	56
78	PDGFRB promotes liver metastasis formation of mesenchymal-like colorectal tumor cells. <i>Neoplasia</i> , 2013 , 15, 204-17	6.4	51
77	Organoid models of gastrointestinal cancers in basic and translational research. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2020 , 17, 203-222	24.2	49
76	Regulating c-Ras function. cholesterol depletion affects caveolin association, GTP loading, and signaling. <i>Current Biology</i> , 2001 , 11, 1880-4	6.3	49

75	Perioperative systemic therapy and cytoreductive surgery with HIPEC versus upfront cytoreductive surgery with HIPEC alone for isolated resectable colorectal peritoneal metastases: protocol of a multicentre, open-label, parallel-group, phase II-III, randomised, superiority study (CAIRO6). <i>BMC Cancer</i> , 2019 , 19, 390	4.8	48
74	CD95 is a key mediator of invasion and accelerated outgrowth of mouse colorectal liver metastases following radiofrequency ablation. <i>Journal of Hepatology</i> , 2010 , 53, 1069-77	13.4	45
73	Sensitization to apoptosis underlies KrasD12-dependent oncolysis of murine C26 colorectal carcinoma cells by reovirus T3D. <i>Journal of Virology</i> , 2005 , 79, 14981-5	6.6	44
72	Perinecrotic hypoxia contributes to ischemia/reperfusion-accelerated outgrowth of colorectal micrometastases. <i>American Journal of Pathology</i> , 2007 , 170, 1379-88	5.8	43
71	Recombinant endostatin forms amyloid fibrils that bind and are cytotoxic to murine neuroblastoma cells in vitro. <i>FEBS Letters</i> , 2003 , 539, 149-55	3.8	42
70	Transcription of the chicken anemia virus (CAV) genome and synthesis of its 52-kDa protein. <i>Gene</i> , 1992 , 118, 267-71	3.8	41
69	KRAS(D13) Promotes apoptosis of human colorectal tumor cells by ReovirusT3D and oxaliplatin but not by tumor necrosis factor-related apoptosis-inducing ligand. <i>Cancer Research</i> , 2006 , 66, 5403-8	10.1	39
68	The death receptor CD95 activates the cofilin pathway to stimulate tumour cell invasion. <i>EMBO Reports</i> , 2011 , 12, 931-7	6.5	38
67	Lymph node metastases develop through a wider evolutionary bottleneck than distant metastases. <i>Nature Genetics</i> , 2020 , 52, 692-700	36.3	38
66	Wnt signalling induces accumulation of phosphorylated Eatenin in two distinct cytosolic complexes. <i>Open Biology</i> , 2014 , 4, 140120	7	35
65	Differential Notch and TGFbeta signaling in primary colorectal tumors and their corresponding metastases. <i>Analytical Cellular Pathology</i> , 2008 , 30, 1-11	3.4	35
64	Hypoxia after liver surgery imposes an aggressive cancer stem cell phenotype on residual tumor cells. <i>Annals of Surgery</i> , 2014 , 259, 750-9	7.8	33
63	Oncogenic KRAS desensitizes colorectal tumor cells to epidermal growth factor receptor inhibition and activation. <i>Neoplasia</i> , 2010 , 12, 443-52	6.4	32
62	Validation of bioluminescence imaging of colorectal liver metastases in the mouse. <i>Journal of Surgical Research</i> , 2004 , 122, 225-30	2.5	31
61	Dual effect of Kras(D12) knockdown on tumorigenesis: increased immune-mediated tumor clearance and abrogation of tumor malignancy. <i>Oncogene</i> , 2005 , 24, 8338-42	9.2	29
60	Amyloid endostatin induces endothelial cell detachment by stimulation of the plasminogen activation system. <i>Molecular Cancer Research</i> , 2003 , 1, 561-8	6.6	28
59	How CD95 stimulates invasion. <i>Cell Cycle</i> , 2011 , 10, 3857-62	4.7	27
58	Ageing and hepatic steatosis exacerbate ischemia/reperfusion-accelerated outgrowth of colorectal micrometastases. <i>Annals of Surgical Oncology</i> , 2008 , 15, 1392-8	3.1	27

57	p116Rip is a novel filamentous actin-binding protein. <i>Journal of Biological Chemistry</i> , 2003 , 278, 27216-23.4	3.4	27
56	Control of colorectal metastasis formation by K-Ras. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2005 , 1756, 103-14	11.2	27
55	Doxorubicin-induced skeletal muscle atrophy: Elucidating the underlying molecular pathways. <i>Acta Physiologica</i> , 2020 , 229, e13400	5.6	27
54	Patient-derived organoids as a predictive biomarker for treatment response in cancer patients. <i>Npj Precision Oncology</i> , 2021 , 5, 30	9.8	27
53	Maintenance of Clonogenic KIT(+) Human Colon Tumor Cells Requires Secretion of Stem Cell Factor by Differentiated Tumor Cells. <i>Gastroenterology</i> , 2015 , 149, 692-704	13.3	26
52	Radiofrequency ablation of colorectal liver metastases induces an inflammatory response in distant hepatic metastases but not in local accelerated outgrowth. <i>Journal of Surgical Oncology</i> , 2010 , 101, 551-6	2.8	25
51	A potential role for CCN2/CTGF in aggressive colorectal cancer. <i>Journal of Cell Communication and Signaling</i> , 2016 , 10, 223-227	5.2	22
50	Tumor Seeding During Colonoscopy as a Possible Cause for Metachronous Colorectal Cancer. <i>Gastroenterology</i> , 2019 , 157, 1222-1232.e4	13.3	20
49	Gi-mediated tyrosine phosphorylation of Grb2 (growth-factor-receptor-bound protein 2)-bound dynamin-II by lysophosphatidic acid. <i>Biochemical Journal</i> , 1999 , 339, 11-14	3.8	20
48	Distinct and overlapping functions of glutathione peroxidases 1 and 2 in limiting NF-B-driven inflammation through redox-active mechanisms. <i>Redox Biology</i> , 2020 , 28, 101388	11.3	20
47	ALDH1A1 expression is associated with poor differentiation, Slight-sidednessSand poor survival in human colorectal cancer. <i>PLoS ONE</i> , 2018 , 13, e0205536	3.7	20
46	Patient-derived organoids model cervical tissue dynamics and viral oncogenesis in cervical cancer. <i>Cell Stem Cell</i> , 2021 , 28, 1380-1396.e6	18	20
45	Liver surgery induces an immediate mobilization of progenitor cells in liver cancer patients: A potential role for G-CSF. <i>Cancer Biology and Therapy</i> , 2010 , 9, 743-8	4.6	17
44	A Novel Diagnostic Tool for Selecting Patients With Mesenchymal-Type Colon Cancer Reveals Intratumor Subtype Heterogeneity. <i>Journal of the National Cancer Institute</i> , 2017 , 109,	9.7	16
43	NS-398, a selective cyclooxygenase-2 inhibitor, reduces experimental bladder carcinoma outgrowth by inhibiting tumor cell proliferation. <i>Urology</i> , 2005 , 66, 434-40	1.6	16
42	Differential anti-tumour effects of MTH1 inhibitors in patient-derived 3D colorectal cancer cultures. <i>Scientific Reports</i> , 2019 , 9, 819	4.9	15
41	Lymphangiogenic Gene Expression Is Associated With Lymph Node Recurrence and Poor Prognosis After Partial Hepatectomy for Colorectal Liver Metastasis. <i>Annals of Surgery</i> , 2017 , 266, 765-771	7.8	15
40	Synergistic killing of colorectal cancer cells by oxaliplatin and ABT-737. <i>Cellular Oncology (Dordrecht)</i> , 2011 , 34, 307-13	7.2	15

39	Modification of mammalian reoviruses for use as oncolytic agents. <i>Expert Opinion on Biological Therapy</i> , 2009 , 9, 1509-20	5.4	15
38	Downregulation of DNA repair proteins and increased DNA damage in hypoxic colon cancer cells is a therapeutically exploitable vulnerability. <i>Oncotarget</i> , 2017 , 8, 86296-86311	3.3	14
37	Surgery-induced tumor growth in (metastatic) colorectal cancer. <i>Surgical Oncology</i> , 2017 , 26, 535-543	2.5	12
36	Inhibition of RAF1 kinase activity restores apicobasal polarity and impairs tumour growth in human colorectal cancer. <i>Gut</i> , 2017 , 66, 1106-1115	19.2	11
35	Macrophages induce "budding" in aggressive human colon cancer subtypes by protease-mediated disruption of tight junctions. <i>Oncotarget</i> , 2018 , 9, 19490-19507	3.3	11
34	CD95 signaling in colorectal cancer. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2012 , 1826, 189-981.2	11.2	10
33	Paired image- and FACS-based toxicity assays for high content screening of spheroid-type tumor cell cultures. <i>FEBS Open Bio</i> , 2015 , 5, 85-90	2.7	10
32	A role for CD95 signaling in ischemia/reperfusion-induced invasion and outgrowth of colorectal micrometastases in mouse liver. <i>Journal of Surgical Oncology</i> , 2011 , 104, 198-204	2.8	10
31	Synergistic effect of interstitial laser coagulation and doxorubicin in a murine tumor recurrence model of solitary colorectal liver metastasis. <i>Annals of Surgical Oncology</i> , 2006 , 13, 168-75	3.1	10
30	Peritoneal Metastases From Colorectal Cancer: Defining and Addressing the Challenges. <i>Frontiers in Oncology</i> , 2021 , 11, 650098	5.3	10
29	Anatomic versus Metabolic Tumor Response Assessment after Radioembolization Treatment. <i>Journal of Vascular and Interventional Radiology</i> , 2018 , 29, 244-253.e2	2.4	9
28	Prometastatic NOTCH Signaling in Colon Cancer. <i>Cancer Discovery</i> , 2015 , 5, 115-7	24.4	9
27	Gi-mediated tyrosine phosphorylation of Grb2 (growth-factor-receptor-bound protein 2)-bound dynamin-II by lysophosphatidic acid. <i>Biochemical Journal</i> , 1999 , 339, 11	3.8	9
26	CD95 ligand induces senescence in mismatch repair-deficient human colon cancer via chronic caspase-mediated induction of DNA damage. <i>Cell Death and Disease</i> , 2017 , 8, e2669	9.8	8
25	Survival of patients with deficient mismatch repair metastatic colorectal cancer in the pre-immunotherapy era. <i>British Journal of Cancer</i> , 2021 , 124, 399-406	8.7	8
24	Increased Levels of Oxidative Damage in Liver Metastases Compared with Corresponding Primary Colorectal Tumors: Association with Molecular Subtype and Prior Treatment. <i>American Journal of Pathology</i> , 2018 , 188, 2369-2377	5.8	7
23	Proteomics in studying cancer stem cell biology. <i>Expert Review of Proteomics</i> , 2012 , 9, 325-36	4.2	7
22	Phenotypic plasticity underlies local invasion and distant metastasis in colon cancer. <i>ELife</i> , 2021 , 10,	8.9	7

21	Long-Lived Human Lymphatic Endothelial Cells to Study Lymphatic Biology and Lymphatic Vessel/Tumor Coculture in a 3D Microfluidic Model. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 3030-3042	5.5	7
20	Concomitant intraperitoneal and systemic chemotherapy for extensive peritoneal metastases of colorectal origin: protocol of the multicentre, open-label, phase I, dose-escalation INTERACT trial. <i>BMJ Open</i> , 2019 , 9, e034508	3	7
19	Detection of tumor-derived cell-free DNA from colorectal cancer peritoneal metastases in plasma and peritoneal fluid. <i>Journal of Pathology: Clinical Research</i> , 2021 , 7, 203-208	5.3	7
18	Associations of non-pedunculated T1 colorectal adenocarcinoma outcome with consensus molecular subtypes, immunoscore, and microsatellite status: a multicenter case-cohort study. <i>Modern Pathology</i> , 2020 , 33, 2626-2636	9.8	6
17	Beta-amyloid (A β) causes detachment of N1E-115 neuroblastoma cells by acting as a scaffold for cell-associated plasminogen activation. <i>Molecular and Cellular Neurosciences</i> , 2005 , 28, 496-508	4.8	6
16	A review of the sensitivity of metastatic colorectal cancer patients with deficient mismatch repair to standard-of-care chemotherapy and monoclonal antibodies, with recommendations for future research. <i>Cancer Treatment Reviews</i> , 2021 , 95, 102174	14.4	6
15	NOXA-dependent contextual synthetic lethality of BCL-XL inhibition and "osmotic reprogramming" in colorectal cancer. <i>Cell Death and Disease</i> , 2020 , 11, 257	9.8	4
14	Prognostic value of microvessel density in stage II and III colon cancer patients: a retrospective cohort study. <i>BMC Gastroenterology</i> , 2019 , 19, 146	3	4
13	Specialized nutrition improves muscle function and physical activity without affecting chemotherapy efficacy in C26 tumour-bearing mice. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021 , 12, 796-810	10.3	3
12	Circulating CD95-ligand as a potential prognostic marker for recurrence in patients with synchronous colorectal liver metastases. <i>Anticancer Research</i> , 2011 , 31, 4507-12	2.3	3
11	Mice lacking functional CD95-ligand display reduced proliferation of the intestinal epithelium without gross homeostatic alterations. <i>Medical Molecular Morphology</i> , 2016 , 49, 110-8	2.3	2
10	Oncogenic K-Ras Activates p38 to Maintain Colorectal Cancer Cell Proliferation during MEK Inhibition. <i>Analytical Cellular Pathology</i> , 2010 , 32, 245-257	3.4	2
9	A Potential Role for HUWE1 in Modulating Cisplatin Sensitivity. <i>Cells</i> , 2021 , 10,	7.9	2
8	Perioperative Systemic Therapy vs Cytoreductive Surgery and Hyperthermic Intraperitoneal Chemotherapy Alone for Resectable Colorectal Peritoneal Metastases: A Phase 2 Randomized Clinical Trial. <i>JAMA Surgery</i> , 2021 , 156, 710-720	5.4	2
7	Loss of Neuropilin-2 in Murine Mesenchymal-like Colon Cancer Organoids Causes Mesenchymal-to-Epithelial Transition and an Acquired Dependency on Insulin-Receptor Signaling and Autophagy.. <i>Cancers</i> , 2022 , 14,	6.6	1
6	Mode of progression after radioembolization in patients with colorectal cancer liver metastases. <i>EJNMMI Research</i> , 2020 , 10, 107	3.6	1
5	Liver Colonization by Colorectal Cancer Metastases Requires YAP-Controlled Plasticity at the Micrometastatic Stage.. <i>Cancer Research</i> , 2022 , 82, 1953-1968	10.1	1
4	Surgical resection and radiofrequency ablation initiate cancer in cytokeratin-19+ liver cells deficient for p53 and Rb. <i>Oncotarget</i> , 2016 , 7, 54662-54675	3.3	0

3	External Validation of Two Established Clinical Risk Scores Predicting Outcome after Local Treatment of Colorectal Liver Metastases in a Nationwide Cohort. <i>Cancers</i> , 2022 , 14, 2356	6.6	o
2	Dynamic Visualization of TGF- β /SMAD3 Transcriptional Responses in Single Living Cells. <i>Cancers</i> , 2022 , 14, 2508	6.6	o
1	Unusual site of pseudomyxoma peritonei recurrence after cytoreductive surgery and hyperthermic intraperitoneal chemotherapy: a case report of intraluminal disease manifestation in the small bowel.. <i>World Journal of Surgical Oncology</i> , 2022 , 20, 147	3.4	