

Onno W Kranenburg

List of Publications by Year in descending order

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119
papers

8,392
citations

57631

44
h-index

46693

89
g-index

121
all docs

121
docs citations

121
times ranked

11741
citing authors

#	ARTICLE	IF	CITATIONS
1	Lysophosphatidic acid: G-protein signalling and cellular responses. <i>Current Opinion in Cell Biology</i> , 1997, 9, 168-173.	2.6	494
2	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, 215-222.	1.4	493
3	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, 1625-1636.	2.3	448
4	Ischemia/reperfusion accelerates the outgrowth of hepatic micrometastases in a highly standardized murine model. <i>Hepatology</i> , 2005, 42, 165-175.	3.6	418
5	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.	2.3	332
6	Activation of RhoA by Lysophosphatidic Acid and G $\alpha_{12/13}$ Subunits in Neuronal Cells: Induction of Neurite Retraction. <i>Molecular Biology of the Cell</i> , 1999, 10, 1851-1857.	0.9	284
7	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, 116, 26580-26590.	3.3	279
8	Glycation Induces Formation of Amyloid Cross- β Structure in Albumin. <i>Journal of Biological Chemistry</i> , 2003, 278, 41810-41819.	1.6	248
9	Oral Mucosal Organoids as a Potential Platform for Personalized Cancer Therapy. <i>Cancer Discovery</i> , 2019, 9, 852-871.	7.7	222
10	Surgical implantation of an abdominal imaging window for intravital microscopy. <i>Nature Protocols</i> , 2013, 8, 583-594.	5.5	217
11	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, 20130-20135.	1.6	187
12	Intravital Microscopy Through an Abdominal Imaging Window Reveals a Pre-Micrometastasis Stage During Liver Metastasis. <i>Science Translational Medicine</i> , 2012, 4, 158ra145.	5.8	178
13	Ongoing chromosomal instability and karyotype evolution in human colorectal cancer organoids. <i>Nature Genetics</i> , 2019, 51, 824-834.	9.4	162
14	Dynamin Is Required for the Activation of Mitogen-activated Protein (MAP) Kinase by MAP Kinase Kinase. <i>Journal of Biological Chemistry</i> , 1999, 274, 35301-35304.	1.6	156
15	Characterization of p190RhoGEF, A RhoA-specific Guanine Nucleotide Exchange Factor That Interacts with Microtubules. <i>Journal of Biological Chemistry</i> , 2001, 276, 4948-4956.	1.6	156
16	The KRAS oncogene: Past, present, and future. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2005, 1756, 81-82.	3.3	156
17	SIRT1/PGC1 α -Dependent Increase in Oxidative Phosphorylation Supports Chemotherapy Resistance of Colon Cancer. <i>Clinical Cancer Research</i> , 2015, 21, 2870-2879.	3.2	151
18	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, 1603-1613.	2.3	150

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19	Ras-MAP kinase signaling by lysophosphatidic acid and other G protein-coupled receptor agonists. <i>Oncogene</i> , 2001, 20, 1540-1546.	2.6	146
20	Fusogenic peptides enhance endosomal escape improving siRNA-induced silencing of oncogenes. <i>International Journal of Pharmaceutics</i> , 2007, 331, 211-214.	2.6	145
21	Oncogenic K-Ras Turns Death Receptors Into Metastasis-Promoting Receptors in Human and Mouse Colorectal Cancer Cells. <i>Gastroenterology</i> , 2010, 138, 2357-2367.	0.6	130
22	Practical and Robust Identification of Molecular Subtypes in Colorectal Cancer by Immunohistochemistry. <i>Clinical Cancer Research</i> , 2017, 23, 387-398.	3.2	128
23	Patient-derived organoids as a predictive biomarker for treatment response in cancer patients. <i>Npj Precision Oncology</i> , 2021, 5, 30.	2.3	111
24	Organoid models of gastrointestinal cancers in basic and translational research. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2020, 17, 203-222.	8.2	108
25	Tissue-Type Plasminogen Activator Is a Multiligand Cross- β Structure Receptor. <i>Current Biology</i> , 2002, 12, 1833-1839.	1.8	102
26	The secretome of colon cancer stem cells contains drug-metabolizing enzymes. <i>Journal of Proteomics</i> , 2013, 91, 84-96.	1.2	94
27	Accelerated Perinecrotic Outgrowth of Colorectal Liver Metastases Following Radiofrequency Ablation is a Hypoxia-Driven Phenomenon. <i>Annals of Surgery</i> , 2009, 249, 814-823.	2.1	91
28	Patient-derived organoids model cervical tissue dynamics and viral oncogenesis in cervical cancer. <i>Cell Stem Cell</i> , 2021, 28, 1380-1396.e6.	5.2	88
29	Diacylglycerol Kinase β Binds to and Is Negatively Regulated by Active RhoA. <i>Journal of Biological Chemistry</i> , 1999, 274, 6820-6822.	1.6	87
30	Differentiated Human Colorectal Cancer Cells Protect Tumor-Initiating Cells From Irinotecan. <i>Gastroenterology</i> , 2011, 141, 269-278.	0.6	84
31	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.	1.1	83
32	Stimulation of angiogenesis by Ras proteins. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2004, 1654, 23-37.	3.3	81
33	Identification of the DEAD box RNA helicase DDX3 as a therapeutic target in colorectal cancer. <i>Oncotarget</i> , 2015, 6, 28312-28326.	0.8	79
34	PDGFRB Promotes Liver Metastasis Formation of Mesenchymal-Like Colorectal Tumor Cells. <i>Neoplasia</i> , 2013, 15, 204-IN30.	2.3	78
35	GPx2 Suppression of H ₂ O ₂ Stress Links the Formation of Differentiated Tumor Mass to Metastatic Capacity in Colorectal Cancer. <i>Cancer Research</i> , 2014, 74, 6717-6730.	0.4	76
36	Lymph node metastases develop through a wider evolutionary bottleneck than distant metastases. <i>Nature Genetics</i> , 2020, 52, 692-700.	9.4	75

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37	Wip1 confers G2 checkpoint recovery competence by counteracting p53-dependent transcriptional repression. <i>EMBO Journal</i> , 2009, 28, 3196-3206.	3.5	74
38	Doxorubicin-induced skeletal muscle atrophy: Elucidating the underlying molecular pathways. <i>Acta Physiologica</i> , 2020, 229, e13400.	1.8	63
39	Regulating c-Ras function. <i>Current Biology</i> , 2001, 11, 1880-1884.	1.8	53
40	Perinecrotic Hypoxia Contributes to Ischemia/Reperfusion-Accelerated Outgrowth of Colorectal Micrometastases. <i>American Journal of Pathology</i> , 2007, 170, 1379-1388.	1.9	52
41	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, 1069-1077.	1.8	52
42	Transcription of the chicken anemia virus (CAV) genome and synthesis of its 52-kDa protein. <i>Gene</i> , 1992, 118, 267-271.	1.0	50
43	Recombinant endostatin forms amyloid fibrils that bind and are cytotoxic to murine neuroblastoma cells in vitro. <i>FEBS Letters</i> , 2003, 539, 149-155.	1.3	50
44	Sensitization to Apoptosis Underlies Kras D12 -Dependent Oncolysis of Murine C26 Colorectal Carcinoma Cells by Reovirus T3D. <i>Journal of Virology</i> , 2005, 79, 14981-14985.	1.5	48
45	Hypoxia After Liver Surgery Imposes an Aggressive Cancer Stem Cell Phenotype on Residual Tumor Cells. <i>Annals of Surgery</i> , 2014, 259, 750-759.	2.1	47
46	The death receptor CD95 activates the cofilin pathway to stimulate tumour cell invasion. <i>EMBO Reports</i> , 2011, 12, 931-937.	2.0	46
47	Distinct and overlapping functions of glutathione peroxidases 1 and 2 in limiting NF- κ B-driven inflammation through redox-active mechanisms. <i>Redox Biology</i> , 2020, 28, 101388.	3.9	43
48	KRAS D13 Promotes Apoptosis of Human Colorectal Tumor Cells by Reovirus T3D and Oxaliplatin but not by Tumor Necrosis Factor-Related Apoptosis-Inducing Ligand. <i>Cancer Research</i> , 2006, 66, 5403-5408.	0.4	42
49	Oncogenic KRAS Desensitizes Colorectal Tumor Cells to Epidermal Growth Factor Receptor Inhibition and Activation. <i>Neoplasia</i> , 2010, 12, 443-IN2.	2.3	42
50	Wnt signalling induces accumulation of phosphorylated β -catenin in two distinct cytosolic complexes. <i>Open Biology</i> , 2014, 4, 140120.	1.5	41
51	Peritoneal Metastases From Colorectal Cancer: Defining and Addressing the Challenges. <i>Frontiers in Oncology</i> , 2021, 11, 650098.	1.3	41
52	Dual effect of KrasD12 knockdown on tumorigenesis: increased immune-mediated tumor clearance and abrogation of tumor malignancy. <i>Oncogene</i> , 2005, 24, 8338-8342.	2.6	40
53	Control of colorectal metastasis formation by K-Ras. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2005, 1756, 103-114.	3.3	38
54	Tumor Seeding During Colonoscopy as a Possible Cause for Metachronous Colorectal Cancer. <i>Gastroenterology</i> , 2019, 157, 1222-1232.e4.	0.6	38

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55	Phenotypic plasticity underlies local invasion and distant metastasis in colon cancer. <i>ELife</i> , 2021, 10, .	2.8	38
56	Differential Notch and TGF β 2 Signaling in Primary Colorectal Tumors and Their Corresponding Metastases. <i>Analytical Cellular Pathology</i> , 2008, 30, 1-11.	0.7	38
57	Ageing and Hepatic Steatosis Exacerbate Ischemia/Reperfusion-Accelerated Outgrowth of Colorectal Micrometastases. <i>Annals of Surgical Oncology</i> , 2008, 15, 1392-1398.	0.7	36
58	Perioperative Systemic Therapy vs Cytoreductive Surgery and Hyperthermic Intraperitoneal Chemotherapy Alone for Resectable Colorectal Peritoneal Metastases. <i>JAMA Surgery</i> , 2021, 156, 710-720.	2.2	34
59	p116 Is A Novel Filamentous Actin-binding Protein. <i>Journal of Biological Chemistry</i> , 2003, 278, 27216-27223.	1.6	33
60	Validation of bioluminescence imaging of colorectal liver metastases in the mouse. <i>Journal of Surgical Research</i> , 2004, 122, 225-230.	0.8	33
61	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.	0.6	32
62	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, 551-556.	0.8	30
63	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, .	3.0	30
64	Amyloid endostatin induces endothelial cell detachment by stimulation of the plasminogen activation system. <i>Molecular Cancer Research</i> , 2003, 1, 561-8.	1.5	30
65	How CD95 stimulates invasion. <i>Cell Cycle</i> , 2011, 10, 3857-3862.	1.3	29
66	ALDH1A1 expression is associated with poor differentiation, "right-sidedness" and poor survival in human colorectal cancer. <i>PLoS ONE</i> , 2018, 13, e0205536.	1.1	29
67	Liver Colonization by Colorectal Cancer Metastases Requires YAP-Controlled Plasticity at the Micrometastatic Stage. <i>Cancer Research</i> , 2022, 82, 1953-1968.	0.4	29
68	A potential role for CCN2/CTGF in aggressive colorectal cancer. <i>Journal of Cell Communication and Signaling</i> , 2016, 10, 223-227.	1.8	27
69	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.	2.1	27
70	Peritoneal metastases from colorectal cancer belong to Consensus Molecular Subtype 4 and are sensitised to oxaliplatin by inhibiting reducing capacity. <i>British Journal of Cancer</i> , 2022, 126, 1824-1833.	2.9	24
71	Inhibition of RAF1 kinase activity restores apicobasal polarity and impairs tumour growth in human colorectal cancer. <i>Gut</i> , 2017, 66, 1106-1115.	6.1	23
72	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.	1.7	21

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73	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.	1.3	21
74	Differential anti-tumour effects of MTH1 inhibitors in patient-derived 3D colorectal cancer cultures. <i>Scientific Reports</i> , 2019, 9, 819.	1.6	20
75	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.	0.8	20
76	Modification of mammalian reoviruses for use as oncolytic agents. <i>Expert Opinion on Biological Therapy</i> , 2009, 9, 1509-1520.	1.4	19
77	Surgery-induced tumor growth in (metastatic) colorectal cancer. <i>Surgical Oncology</i> , 2017, 26, 535-543.	0.8	19
78	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.	2.9	19
79	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.	2.6	19
80	NS-398, a selective cyclooxygenase-2 inhibitor, reduces experimental bladder carcinoma outgrowth by inhibiting tumor cell proliferation. <i>Urology</i> , 2005, 66, 434-440.	0.5	18
81	Synergistic killing of colorectal cancer cells by oxaliplatin and ABT-737. <i>Cellular Oncology (Dordrecht)</i> , 2011, 34, 307-313.	2.1	18
82	Anatomic versus Metabolic Tumor Response Assessment after Radioembolization Treatment. <i>Journal of Vascular and Interventional Radiology</i> , 2018, 29, 244-253.e2.	0.2	18
83	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, 743-748.	1.5	17
84	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.	0.8	17
85	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.	2.9	17
86	Macrophages induce "budding" in aggressive human colon cancer subtypes by protease-mediated disruption of tight junctions. <i>Oncotarget</i> , 2018, 9, 19490-19507.	0.8	17
87	Fibroblast activation protein identifies Consensus Molecular Subtype 4 in colorectal cancer and allows its detection by 68Ga-FAPI-PET imaging. <i>British Journal of Cancer</i> , 2022, 127, 145-155.	2.9	16
88	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.	3.4	15
89	Increased Levels of Oxidative Damage in Liver Metastases Compared with Corresponding Primary Colorectal Tumors. <i>American Journal of Pathology</i> , 2018, 188, 2369-2377.	1.9	14
90	Prognostic value of microvessel density in stage II and III colon cancer patients: a retrospective cohort study. <i>BMC Gastroenterology</i> , 2019, 19, 146.	0.8	14

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91	CD95 signaling in colorectal cancer. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2012, 1826, 189-198.	3.3	12
92	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.	1.0	12
93	Prometastatic NOTCH Signaling in Colon Cancer. <i>Cancer Discovery</i> , 2015, 5, 115-117.	7.7	12
94	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.	0.8	11
95	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.	1.7	10
96	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, 168-175.	0.7	10
97	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-e2669.	2.7	10
98	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.	2.9	10
99	A Potential Role for HUWE1 in Modulating Cisplatin Sensitivity. <i>Cells</i> , 2021, 10, 1262.	1.8	9
100	β -Amyloid ($A\beta$) 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.	1.0	7
101	Proteomics in studying cancer stem cell biology. <i>Expert Review of Proteomics</i> , 2012, 9, 325-336.	1.3	7
102	Dynamic Visualization of TGF- β /SMAD3 Transcriptional Responses in Single Living Cells. <i>Cancers</i> , 2022, 14, 2508.	1.7	7
103	NOXA-dependent contextual synthetic lethality of BCL-XL inhibition and osmotic reprogramming in colorectal cancer. <i>Cell Death and Disease</i> , 2020, 11, 257.	2.7	5
104	Mismatch Repair Status in Patient-Derived Colorectal Cancer Organoids Does Not Affect Intrinsic Tumor Cell Sensitivity to Systemic Therapy. <i>Cancers</i> , 2021, 13, 5434.	1.7	5
105	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, 671.	1.7	5
106	KIT promotes tumor stroma formation and counteracts tumor-suppressive TGF- β signaling in colorectal cancer. <i>Cell Death and Disease</i> , 2022, 13, .	2.7	4
107	Mice lacking functional CD95-ligand display reduced proliferation of the intestinal epithelium without gross homeostatic alterations. <i>Medical Molecular Morphology</i> , 2016, 49, 110-118.	0.4	3
108	Mode of progression after radioembolization in patients with colorectal cancer liver metastases. <i>EJNMMI Research</i> , 2020, 10, 107.	1.1	3

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109	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.	0.5	3
110	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.	1.7	3
111	Oncogenic K-Ras Activates p38 to Maintain Colorectal Cancer Cell Proliferation during MEK Inhibition. <i>Analytical Cellular Pathology</i> , 2010, 32, 245-257.	0.7	2
112	Abstract 5388: High throughput toxicity assay for three-dimensional cell cultures. , 2014, , .		1
113	Surgical resection and radiofrequency ablation initiate cancer in cytokeratin-19+- liver cells deficient for p53 and Rb. <i>Oncotarget</i> , 2016, 7, 54662-54675.	0.8	1
114	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.	0.1	0
115	Voluntary exercise influences metastatic organotropism in a murine colorectal cancer model. <i>JCSM Rapid Communications</i> , 2022, 5, 117-129.	0.6	0
116	Abstract 3773: Intestinal glutathione peroxidase (GPx2) promotes differentiation of colorectal cancer stem cells by modulating the rate of protein synthesis.. , 2013, , .		0
117	Abstract 1045: Differentiated tumor cells secrete stem cell factor (SCF) to promote maintenance of cancer stem cells and induce EMT in colorectal tumors. , 2014, , .		0
118	Abstract 3351: Survival of colorectal cancer cells following chemotherapy relies on a SIRT1-dependent increase in oxidative phosphorylation. , 2014, , .		0
119	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.	0.8	0