

Catherine Alix-Panabieres

List of Publications by Citations

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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	9,385 citations	44 h-index	96 g-index
127 ext. papers	11,280 ext. citations	8.3 avg, IF	7.22 L-index

#	Paper	IF	Citations
110	Challenges in circulating tumour cell research. <i>Nature Reviews Cancer</i> , 2014 , 14, 623-31	31.3	923
109	Clinical Applications of Circulating Tumor Cells and Circulating Tumor DNA as Liquid Biopsy. <i>Cancer Discovery</i> , 2016 , 6, 479-91	24.4	840
108	Circulating tumor cells: liquid biopsy of cancer. <i>Clinical Chemistry</i> , 2013 , 59, 110-8	5.5	795
107	Cancer micrometastases. <i>Nature Reviews Clinical Oncology</i> , 2009 , 6, 339-51	19.4	522
106	Circulating tumour cells in cancer patients: challenges and perspectives. <i>Trends in Molecular Medicine</i> , 2010 , 16, 398-406	11.5	458
105	Liquid biopsy and minimal residual disease - latest advances and implications for cure. <i>Nature Reviews Clinical Oncology</i> , 2019 , 16, 409-424	19.4	379
104	Circulating tumor cells and circulating tumor DNA. <i>Annual Review of Medicine</i> , 2012 , 63, 199-215	17.4	338
103	Real-time liquid biopsy in cancer patients: fact or fiction?. <i>Cancer Research</i> , 2013 , 73, 6384-8	10.1	315
102	Establishment and characterization of a cell line from human circulating colon cancer cells. <i>Cancer Research</i> , 2015 , 75, 892-901	10.1	255
101	Frequent expression of PD-L1 on circulating breast cancer cells. <i>Molecular Oncology</i> , 2015 , 9, 1773-82	7.9	233
100	Cell-free tumor DNA in blood plasma as a marker for circulating tumor cells in prostate cancer. <i>Clinical Cancer Research</i> , 2009 , 15, 1032-8	12.9	197
99	Technologies for detection of circulating tumor cells: facts and vision. <i>Lab on A Chip</i> , 2014 , 14, 57-62	7.2	195
98	Clinical application of circulating tumor cells in breast cancer: overview of the current interventional trials. <i>Cancer and Metastasis Reviews</i> , 2013 , 32, 179-88	9.6	195
97	Circulating epithelial cells in patients with benign colon diseases. <i>Clinical Chemistry</i> , 2012 , 58, 936-40	5.5	193
96	Circulating tumor cells and bone marrow micrometastasis. <i>Clinical Cancer Research</i> , 2008 , 14, 5013-21	12.9	192
95	Plasticity of disseminating cancer cells in patients with epithelial malignancies. <i>Cancer and Metastasis Reviews</i> , 2012 , 31, 673-87	9.6	167
94	Capture of viable circulating tumor cells in the liver of colorectal cancer patients. <i>Clinical Chemistry</i> , 2013 , 59, 1384-92	5.5	159

93	Detection and characterization of putative metastatic precursor cells in cancer patients. <i>Clinical Chemistry</i> , 2007 , 53, 537-9	5.5	153
92	EPISPOT assay: detection of viable DTCs/CTCs in solid tumor patients. <i>Recent Results in Cancer Research</i> , 2012 , 195, 69-76	1.5	131
91	Full-length cytokeratin-19 is released by human tumor cells: a potential role in metastatic progression of breast cancer. <i>Breast Cancer Research</i> , 2009 , 11, R39	8.3	124
90	Clinical relevance and biology of circulating tumor cells. <i>Breast Cancer Research</i> , 2011 , 13, 228	8.3	113
89	Prognostic significance of PD-L1 expression on circulating tumor cells in patients with head and neck squamous cell carcinoma. <i>Annals of Oncology</i> , 2017 , 28, 1923-1933	10.3	108
88	miRNA-30 Family Members Inhibit Breast Cancer Invasion, Osteomimicry, and Bone Destruction by Directly Targeting Multiple Bone Metastasis-Associated Genes. <i>Cancer Research</i> , 2018 , 78, 5259-5273	10.1	98
87	Prognostic relevance of viable circulating tumor cells detected by EPISPOT in metastatic breast cancer patients. <i>Clinical Chemistry</i> , 2014 , 60, 214-21	5.5	88
86	Liquid Biopsy: From Discovery to Clinical Application. <i>Cancer Discovery</i> , 2021 , 11, 858-873	24.4	86
85	Epithelial-mesenchymal plasticity in circulating tumor cells. <i>Journal of Molecular Medicine</i> , 2017 , 95, 133-142	14.2	85
84	The clinical significance of circulating tumor cells. <i>Nature Clinical Practice Oncology</i> , 2007 , 4, 62-3		83
83	Characterization and enumeration of cells secreting tumor markers in the peripheral blood of breast cancer patients. <i>Journal of Immunological Methods</i> , 2005 , 299, 177-88	2.5	78
82	Improved detection of circulating tumor cells in non-metastatic high-risk prostate cancer patients. <i>Scientific Reports</i> , 2016 , 6, 39736	4.9	73
81	Functional Studies on Viable Circulating Tumor Cells. <i>Clinical Chemistry</i> , 2016 , 62, 328-34	5.5	72
80	Bone marrow as a reservoir for disseminated tumor cells: a special source for liquid biopsy in cancer patients. <i>BoneKEy Reports</i> , 2014 , 3, 584		68
79	Micrometastatic spread in breast cancer: detection, molecular characterization and clinical relevance. <i>Breast Cancer Research</i> , 2008 , 10 Suppl 1, S1	8.3	66
78	Circulating Tumor DNA as a Cancer Biomarker: Fact or Fiction?. <i>Clinical Chemistry</i> , 2016 , 62, 1054-60	5.5	63
77	Circulating tumor cells in prostate cancer: a potential surrogate marker of survival. <i>Critical Reviews in Oncology/Hematology</i> , 2012 , 81, 241-56	7	59
76	Functional studies on circulating and disseminated tumor cells in carcinoma patients. <i>Molecular Oncology</i> , 2016 , 10, 443-9	7.9	52

75	Insights into minimal residual disease in cancer patients: implications for anti-cancer therapies. <i>European Journal of Cancer</i> , 2010 , 46, 1189-97	7.5	52
74	Multiplex Gene Expression Profiling of In Vivo Isolated Circulating Tumor Cells in High-Risk Prostate Cancer Patients. <i>Clinical Chemistry</i> , 2018 , 64, 297-306	5.5	52
73	Never Travel Alone: The Crosstalk of Circulating Tumor Cells and the Blood Microenvironment. <i>Cells</i> , 2019 , 8,	7.9	51
72	Detection of circulating prostate-specific antigen-secreting cells in prostate cancer patients. <i>Clinical Chemistry</i> , 2005 , 51, 1538-41	5.5	50
71	Molecular Portrait of Metastasis-Competent Circulating Tumor Cells in Colon Cancer Reveals the Crucial Role of Genes Regulating Energy Metabolism and DNA Repair. <i>Clinical Chemistry</i> , 2017 , 63, 700-713	5.5	47
70	Current status in human breast cancer micrometastasis. <i>Current Opinion in Oncology</i> , 2007 , 19, 558-63	4.2	46
69	High Clinical Value of Liquid Biopsy to Detect Circulating Tumor Cells and Tumor Exosomes in Pancreatic Ductal Adenocarcinoma Patients Eligible for Up-Front Surgery. <i>Cancers</i> , 2019 , 11,	6.6	44
68	Autologous cell lines from circulating colon cancer cells captured from sequential liquid biopsies as model to study therapy-driven tumor changes. <i>Scientific Reports</i> , 2018 , 8, 15931	4.9	40
67	Circulating tumor cell as the functional aspect of liquid biopsy to understand the metastatic cascade in solid cancer. <i>Molecular Aspects of Medicine</i> , 2020 , 72, 100816	16.7	39
66	Liquid biopsy in cancer patients: advances in capturing viable CTCs for functional studies using the EPISPOT assay. <i>Expert Review of Molecular Diagnostics</i> , 2015 , 15, 1411-7	3.8	37
65	Liquid biopsy in 2016: Circulating tumour cells and cell-free DNA in gastrointestinal cancer. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2017 , 14, 73-74	24.2	36
64	Characterization of single circulating tumor cells. <i>FEBS Letters</i> , 2017 , 591, 2241-2250	3.8	36
63	Identification of loss of heterozygosity on circulating free DNA in peripheral blood of prostate cancer patients: potential and technical improvements. <i>Clinical Chemistry</i> , 2008 , 54, 688-96	5.5	36
62	Characterization of circulating breast cancer cells with tumorigenic and metastatic capacity. <i>EMBO Molecular Medicine</i> , 2020 , 12, e11908	12	35
61	Molecular mechanisms of metastasis. <i>Journal of Surgical Oncology</i> , 2011 , 103, 508-17	2.8	32
60	Liquid Biopsy Approach for Pancreatic Ductal Adenocarcinoma. <i>Cancers</i> , 2019 , 11,	6.6	30
59	Detection methods of circulating tumor cells. <i>Journal of Thoracic Disease</i> , 2012 , 4, 446-7	2.6	30
58	Efficacy of Circulating Tumor Cell Count-Driven vs Clinician-Driven First-line Therapy Choice in Hormone Receptor-Positive, ERBB2-Negative Metastatic Breast Cancer: The STIC CTC Randomized Clinical Trial. <i>JAMA Oncology</i> , 2021 , 7, 34-41	13.4	30

57	Tumour microenvironment: informing on minimal residual disease in solid tumours. <i>Nature Reviews Clinical Oncology</i> , 2017 , 14, 325-326	19.4	29
56	Epithelial Cell Adhesion Molecule: An Anchor to Isolate Clinically Relevant Circulating Tumor Cells. <i>Cells</i> , 2020 , 9,	7.9	29
55	The potential of circulating tumor cells as a liquid biopsy to guide therapy in prostate cancer. <i>Cancer Discovery</i> , 2012 , 2, 974-5	24.4	28
54	The Role of Circulating Tumor Cells in the Metastatic Cascade: Biology, Technical Challenges, and Clinical Relevance. <i>Cancers</i> , 2020 , 12,	6.6	27
53	Dynamics of spontaneous HIV-1 specific and non-specific B-cell responses in patients receiving antiretroviral therapy. <i>Aids</i> , 2002 , 16, 1755-60	3.5	26
52	Cell lines from circulating tumor cells. <i>Oncoscience</i> , 2015 , 2, 815-6	0.8	24
51	Spontaneous secretion of immunoglobulins and anti-HIV-1 antibodies by in vivo activated B lymphocytes from HIV-1-infected subjects: monocyte and natural killer cell requirement for in vitro terminal differentiation into plasma cells. <i>Clinical Immunology</i> , 2002 , 103, 98-109	9	23
50	EpCAM-Independent Enrichment and Detection of Viable Circulating Tumor Cells Using the EPISPOT Assay. <i>Methods in Molecular Biology</i> , 2017 , 1634, 263-276	1.4	22
49	S100-EPISPOT: A New Tool to Detect Viable Circulating Melanoma Cells. <i>Cells</i> , 2019 , 8,	7.9	20
48	Circulating Tumor Cells as a Prognostic Factor in Recurrent or Metastatic Head and Neck Squamous Cell Carcinoma: The CIRCUTEC Prospective Study. <i>Clinical Chemistry</i> , 2019 , 65, 1267-1275	5.5	19
47	Molecular and Functional Characterization of Circulating Tumor Cells: From Discovery to Clinical Application. <i>Clinical Chemistry</i> , 2020 , 66, 97-104	5.5	18
46	Tumor-proximal liquid biopsy to improve diagnostic and prognostic performances of circulating tumor cells. <i>Molecular Oncology</i> , 2019 , 13, 1811-1826	7.9	17
45	Circulating Tumor Cells as a Marker of Disseminated Disease in Patients with Newly Diagnosed High-Risk Prostate Cancer. <i>Cancers</i> , 2020 , 12,	6.6	17
44	Clinical Correlations of Programmed Cell Death Ligand 1 Status in Liquid and Standard Biopsies in Breast Cancer. <i>Clinical Chemistry</i> , 2020 , 66, 1093-1101	5.5	17
43	Identifying key questions in the ecology and evolution of cancer. <i>Evolutionary Applications</i> , 2021 , 14, 877-892	4.8	17
42	Analysis of Circulating Tumor Cells in Patients with Non-Metastatic High-Risk Prostate Cancer before and after Radiotherapy Using Three Different Enumeration Assays. <i>Cancers</i> , 2019 , 11,	6.6	16
41	Real-time liquid biopsy: circulating tumor cells versus circulating tumor DNA. <i>Annals of Translational Medicine</i> , 2013 , 1, 18	3.2	16
40	Clinical Relevance of Liquid Biopsy in Melanoma and Merkel Cell Carcinoma. <i>Cancers</i> , 2020 , 12,	6.6	15

39	Cetuximab pharmacokinetic/pharmacodynamics relationships in advanced head and neck carcinoma patients. <i>British Journal of Clinical Pharmacology</i> , 2019 , 85, 1357-1366	3.8	13
38	The Different Facets of Liquid Biopsy: A Kaleidoscopic View. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2020 , 10,	5.4	13
37	Tumor-Associated Release of Prostatic Cells into the Blood after Transrectal Ultrasound-Guided Biopsy in Patients with Histologically Confirmed Prostate Cancer. <i>Clinical Chemistry</i> , 2020 , 66, 161-168	5.5	13
36	High Sensitivity of Circulating Tumor Cells Derived from a Colorectal Cancer Patient for Dual Inhibition with AKT and mTOR Inhibitors. <i>Cells</i> , 2020 , 9,	7.9	12
35	Detection of Androgen Receptor Variant 7 (mRNA Levels in EpCAM-Enriched CTC Fractions for Monitoring Response to Androgen Targeting Therapies in Prostate Cancer. <i>Cells</i> , 2019 , 8,	7.9	10
34	Chromosomal Aberrations Associated with Sequential Steps of the Metastatic Cascade in Colorectal Cancer Patients. <i>Clinical Chemistry</i> , 2018 , 64, 1505-1512	5.5	10
33	Circulating tumor cells: moving forward into clinical applications. <i>Precision Cancer Medicine</i> , 2020 , 3, 4-4	1	9
32	Biological labels: Here comes the spaser. <i>Nature Materials</i> , 2017 , 16, 790-791	27	9
31	Circulating tumor-derived biomarkers in lung cancer. <i>Journal of Thoracic Disease</i> , 2012 , 4, 448-9	2.6	9
30	Programmed Cell Death Ligand 1-Expressing Circulating Tumor Cells: A New Prognostic Biomarker in Non-Small Cell Lung Cancer. <i>Clinical Chemistry</i> , 2021 , 67, 1503-1512	5.5	9
29	Circulating Tumor Cell Detection and Polyomavirus Status in Merkel Cell Carcinoma. <i>Scientific Reports</i> , 2020 , 10, 1612	4.9	8
28	The Metastatic Cascade as the Basis for Liquid Biopsy Development. <i>Frontiers in Oncology</i> , 2020 , 10, 1055	5.3	8
27	Mass Spectrometry as a Highly Sensitive Method for Specific Circulating Tumor DNA Analysis in NSCLC: A Comparison Study. <i>Cancers</i> , 2020 , 12,	6.6	7
26	Metastasis and the evolution of dispersal. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019 , 286, 20192186	4.4	6
25	Selective treatment pressure in colon cancer drives the molecular profile of resistant circulating tumor cell clones. <i>Molecular Cancer</i> , 2021 , 20, 30	42.1	6
24	Clinical relevance of in breast cancer: update in 2020. <i>Expert Review of Molecular Diagnostics</i> , 2020 , 20, 913-919	3.8	5
23	Group phenotypic composition in cancer. <i>ELife</i> , 2021 , 10,	8.9	5
22	Proficiency Testing to Assess Technical Performance for CTC-Processing and Detection Methods in CANCER-ID. <i>Clinical Chemistry</i> , 2021 , 67, 631-641	5.5	5

21	Do malignant cells sleep at night?. <i>Genome Biology</i> , 2020 , 21, 276	18.3	4
20	Photonic technologies for liquid biopsies: recent advances and open research challenges.. <i>Laser and Photonics Reviews</i> , 2021 , 15,	8.3	4
19	Clinical Relevance of Viable Circulating Tumor Cells in Patients with Metastatic Colorectal Cancer: The COLOSPOT Prospective Study. <i>Cancers</i> , 2021 , 13,	6.6	3
18	Liquid Biopsies: Photonic Technologies for Liquid Biopsies: Recent Advances and Open Research Challenges (Laser Photonics Rev. 15(1)/2021). <i>Laser and Photonics Reviews</i> , 2021 , 15, 2170012	8.3	3
17	Liquid Biopsy in Melanoma: Significance in Diagnostics, Prediction and Treatment Monitoring. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
16	Detection of cancer metastasis: past, present and future. <i>Clinical and Experimental Metastasis</i> , 2021 , 1	4.7	2
15	Is There Key Step in the Metastatic Cascade?. <i>Cancers</i> , 2021 , 13,	6.6	2
14	Current Applications and Discoveries Related to the Membrane Components of Circulating Tumor Cells and Extracellular Vesicles. <i>Cells</i> , 2021 , 10,	7.9	2
13	Biopsie liquide : cellules tumorales circulantes et radiothérapie. <i>Oncologie</i> , 2017 , 19, 71-76	1	1
12	Liquid Biopsy to Detect Circulating Tumor Cells: Is It Ready for a Value Proposition in Laboratory Medicine?. <i>journal of applied laboratory medicine, The</i> , 2020 , 5, 1027-1037	2	1
11	Does Cancer Biology Rely on Parrondo's Principles?. <i>Cancers</i> , 2021 , 13,	6.6	1
10	CTCs as Liquid Biopsy: Where Are We Now? 2019 ,		1
9	On the need for integrating cancer into the One Health perspective. <i>Evolutionary Applications</i> , 2021 , 14, 2571-2575	4.8	0
8	Disseminated tumor cells in bone marrow of cancer patients 2015 , 471-477		
7	Les cellules tumorales circulantes comme biopsie liquide du cancer. <i>Revue Francophone Des Laboratoires</i> , 2018 , 2018, 75-80	0	
6	Detection of Circulating Plasma Cells in Multiple Myeloma. <i>Clinical Chemistry</i> , 2017 , 63, 1797-1798	5.5	
5	Critical Issues of Research on Circulating and Disseminated Tumor Cells in Cancer Patients486-500		
4	Circulating and Disseminated Tumor Cells from Solid TumorsResearch and Clinical Aspects 2009 , 237-241		

- 3 Detection and Characterization of Disseminated Tumor Cells present in Bone Marrow of Cancer Patients **2010**, 103-117
- 2 Abstract P2-01-12: Detection of circulating tumor cells in cerebrospinal fluid for patients with suspected breast cancer leptomeningeal metastases: A prospective study. *Cancer Research*, **2022**, 82, P2-01-12-P2-01-12 10.1
- 1 Looking at Thyroid Cancer from the Tumor-Suppressor Genes Point of View. *Cancers*, **2022**, 14, 2461 6.6