

Ellen Heitzer

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.

109
papers

4,620
citations

33
h-index

67
g-index

119
ext. papers

5,840
ext. citations

7.3
avg, IF

5.88
L-index

#	Paper	IF	Citations
109	Circulating tumor DNA as a liquid biopsy for cancer. <i>Clinical Chemistry</i> , 2015 , 61, 112-23	5.5	531
108	Current and future perspectives of liquid biopsies in genomics-driven oncology. <i>Nature Reviews Genetics</i> , 2019 , 20, 71-88	30.1	485
107	Complex tumor genomes inferred from single circulating tumor cells by array-CGH and next-generation sequencing. <i>Cancer Research</i> , 2013 , 73, 2965-75	10.1	442
106	Tumor-associated copy number changes in the circulation of patients with prostate cancer identified through whole-genome sequencing. <i>Genome Medicine</i> , 2013 , 5, 30	14.4	246
105	Hematogenous dissemination of glioblastoma multiforme. <i>Science Translational Medicine</i> , 2014 , 6, 247ra104	10.4	193
104	Inferring expressed genes by whole-genome sequencing of plasma DNA. <i>Nature Genetics</i> , 2016 , 48, 1273-83	8.3	171
103	Tubuloids derived from human adult kidney and urine for personalized disease modeling. <i>Nature Biotechnology</i> , 2019 , 37, 303-313	44.5	165
102	Establishment of tumor-specific copy number alterations from plasma DNA of patients with cancer. <i>International Journal of Cancer</i> , 2013 , 133, 346-56	7.5	135
101	Changes in colorectal carcinoma genomes under anti-EGFR therapy identified by whole-genome plasma DNA sequencing. <i>PLoS Genetics</i> , 2014 , 10, e1004271	6	132
100	Circulating biomarkers for early detection and clinical management of colorectal cancer. <i>Molecular Aspects of Medicine</i> , 2019 , 69, 107-122	16.7	115
99	Circulating tumor cells and DNA as liquid biopsies. <i>Genome Medicine</i> , 2013 , 5, 73	14.4	99
98	Whole-genome plasma sequencing reveals focal amplifications as a driving force in metastatic prostate cancer. <i>Nature Communications</i> , 2016 , 7, 12008	17.4	98
97	The dynamic range of circulating tumor DNA in metastatic breast cancer. <i>Breast Cancer Research</i> , 2014 , 16, 421	8.3	93
96	Neuropathic cancer pain: prevalence, severity, analgesics and impact from the European Palliative Care Research Collaborative-Computerised Symptom Assessment study. <i>Palliative Medicine</i> , 2013 , 27, 714-21	5.5	87
95	The potential of liquid biopsies for the early detection of cancer. <i>Npj Precision Oncology</i> , 2017 , 1, 36	9.8	82
94	Replicative DNA polymerase mutations in cancer. <i>Current Opinion in Genetics and Development</i> , 2014 , 24, 107-13	4.9	78
93	Rapid Identification of Plasma DNA Samples with Increased ctDNA Levels by a Modified FAST-SeqS Approach. <i>Clinical Chemistry</i> , 2015 , 61, 838-49	5.5	76

92	miR-196b-5p Regulates Colorectal Cancer Cell Migration and Metastases through Interaction with HOXB7 and GALNT5. <i>Clinical Cancer Research</i> , 2017 , 23, 5255-5266	12.9	60
91	Non-invasive detection of genome-wide somatic copy number alterations by liquid biopsies. <i>Molecular Oncology</i> , 2016 , 10, 494-502	7.9	54
90	Inference of transcription factor binding from cell-free DNA enables tumor subtype prediction and early detection. <i>Nature Communications</i> , 2019 , 10, 4666	17.4	54
89	Cell-Free DNA and Apoptosis: How Dead Cells Inform About the Living. <i>Trends in Molecular Medicine</i> , 2020 , 26, 519-528	11.5	54
88	Multicenter Evaluation of Circulating Cell-Free DNA Extraction and Downstream Analyses for the Development of Standardized (Pre)analytical Work Flows. <i>Clinical Chemistry</i> , 2020 , 66, 149-160	5.5	51
87	High quality assessment of DNA methylation in archival tissues from colorectal cancer patients using quantitative high-resolution melting analysis. <i>Journal of Molecular Diagnostics</i> , 2009 , 11, 102-8	5.1	49
86	Germline variants in the SEMA4A gene predispose to familial colorectal cancer type X. <i>Nature Communications</i> , 2014 , 5, 5191	17.4	47
85	p14ARF hypermethylation is common but INK4a-ARF locus or p53 mutations are rare in Merkel cell carcinoma. <i>Journal of Investigative Dermatology</i> , 2008 , 128, 1788-96	4.3	47
84	Computer-based symptom assessment is feasible in patients with advanced cancer: results from an international multicenter study, the EPCRC-CSA. <i>Journal of Pain and Symptom Management</i> , 2012 , 44, 639-54	4.8	45
83	Clinical implications of subclonal mutations in acute myeloid leukemia. <i>Haematologica</i> , 2019 , 104, 516-523	36	40
82	POLE mutations in families predisposed to cutaneous melanoma. <i>Familial Cancer</i> , 2015 , 14, 621-8	3	38
81	Comprehensive characterization of cell-free tumor DNA in plasma and urine of patients with renal tumors. <i>Genome Medicine</i> , 2020 , 12, 23	14.4	37
80	G protein-coupled receptor GPR55 promotes colorectal cancer and has opposing effects to cannabinoid receptor 1. <i>International Journal of Cancer</i> , 2018 , 142, 121-132	7.5	36
79	Patient monitoring through liquid biopsies using circulating tumor DNA. <i>International Journal of Cancer</i> , 2017 , 141, 887-896	7.5	35
78	Single tube liquid biopsy for advanced non-small cell lung cancer. <i>International Journal of Cancer</i> , 2019 , 144, 3127-3137	7.5	35
77	Genomic alterations in plasma DNA from patients with metastasized prostate cancer receiving abiraterone or enzalutamide. <i>International Journal of Cancer</i> , 2018 , 143, 1236-1248	7.5	33
76	Co-occurrence of MYC amplification and TP53 mutations in human cancer. <i>Nature Genetics</i> , 2016 , 48, 104-6	36.3	33
75	Somatic mutations characterize preleukemic stem cells in acute myeloid leukemia. <i>Blood</i> , 2017 , 129, 2587-2591	2.2	27

74	Assessment of Pre-Analytical Sample Handling Conditions for Comprehensive Liquid Biopsy Analysis. <i>Journal of Molecular Diagnostics</i> , 2020 , 22, 1070-1086	5.1	26
73	UV fingerprints predominate in the PTCH mutation spectra of basal cell carcinomas independent of clinical phenotype. <i>Journal of Investigative Dermatology</i> , 2007 , 127, 2872-81	4.3	26
72	Depressed patients with incurable cancer: which depressive symptoms do they experience?. <i>Palliative and Supportive Care</i> , 2013 , 11, 491-501	2.5	25
71	Preexisting TP53 mutation in therapy-related acute myeloid leukemia. <i>Annals of Hematology</i> , 2015 , 94, 527-9	3	24
70	Genetic and epigenetic analysis of putative breast cancer stem cell models. <i>BMC Cancer</i> , 2013 , 13, 358	4.8	22
69	Technical Evaluation of Commercial Mutation Analysis Platforms and Reference Materials for Liquid Biopsy Profiling. <i>Cancers</i> , 2020 , 12,	6.6	21
68	Advances in Circulating Tumor DNA Analysis. <i>Advances in Clinical Chemistry</i> , 2017 , 80, 73-153	5.8	20
67	Functional Classification of Mutations in Acute Myeloid Leukemia. <i>Cancers</i> , 2020 , 12,	6.6	20
66	Primary patient-derived lung adenocarcinoma cell culture challenges the association of cancer stem cells with epithelial-to-mesenchymal transition. <i>Scientific Reports</i> , 2017 , 7, 10040	4.9	20
65	The BRAF V600K mutation is more frequent than the BRAF V600E mutation in melanoma in situ of lentigo maligna type. <i>Journal of Investigative Dermatology</i> , 2014 , 134, 548-550	4.3	20
64	Exploring chromosomal abnormalities and genetic changes in uterine smooth muscle tumors. <i>Modern Pathology</i> , 2016 , 29, 1262-77	9.8	20
63	Rapid and reliable detection of LINE-1 hypomethylation using high-resolution melting analysis. <i>Clinical Biochemistry</i> , 2010 , 43, 1443-8	3.5	19
62	Differential survival trends of stage II colorectal cancer patients relate to promoter methylation status of PCDH10, SPARC, and UCHL1. <i>Modern Pathology</i> , 2014 , 27, 906-15	9.8	18
61	Detection and Characterization of Circulating Tumor Cells in Patients with Merkel Cell Carcinoma. <i>Clinical Chemistry</i> , 2019 , 65, 462-472	5.5	18
60	PTCH promoter methylation at low level in sporadic basal cell carcinoma analysed by three different approaches. <i>Experimental Dermatology</i> , 2010 , 19, 926-8	4	17
59	Cell-free DNA analysis reveals POLR1D-mediated resistance to bevacizumab in colorectal cancer. <i>Genome Medicine</i> , 2020 , 12, 20	14.4	16
58	A novel mutation in ATRX associated with intellectual disability, syndromic features, and osteosarcoma. <i>Pediatric Blood and Cancer</i> , 2017 , 64, e26522	3	15
57	Detection of Circulating Tumor DNA in the Blood of Cancer Patients: An Important Tool in Cancer Chemoprevention. <i>Methods in Molecular Biology</i> , 2016 , 1379, 45-68	1.4	15

56	One size does not fit all: Size-based plasma DNA diagnostics. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	15
55	Expanded molecular profiling of myxofibrosarcoma reveals potentially actionable targets. <i>Modern Pathology</i> , 2017 , 30, 1698-1709	9.8	14
54	Residual disease detection using targeted parallel sequencing predicts relapse in cytogenetically normal acute myeloid leukemia. <i>American Journal of Hematology</i> , 2018 , 93, 23-30	7.1	13
53	mFast-SeqS as a Monitoring and Pre-screening Tool for Tumor-Specific Aneuploidy in Plasma DNA. <i>Advances in Experimental Medicine and Biology</i> , 2016 , 924, 147-155	3.6	13
52	T1799A BRAF mutation is common in PUVA lentigines. <i>Journal of Investigative Dermatology</i> , 2006 , 126, 1915-7	4.3	13
51	Untargeted Assessment of Tumor Fractions in Plasma for Monitoring and Prognostication from Metastatic Breast Cancer Patients Undergoing Systemic Treatment. <i>Cancers</i> , 2019 , 11,	6.6	11
50	Single-Stranded DNA Library Preparation Does Not Preferentially Enrich Circulating Tumor DNA. <i>Clinical Chemistry</i> , 2017 , 63, 1656-1659	5.5	11
49	Establishment of clival chordoma cell line MUG-CC1 and lymphoblastoid cells as a model for potential new treatment strategies. <i>Scientific Reports</i> , 2016 , 6, 24195	4.9	10
48	Characterization of the endolysosomal system in human chordoma cell lines: is there a role of lysosomes in chemoresistance of this rare bone tumor?. <i>Histochemistry and Cell Biology</i> , 2018 , 150, 83-92	2.4	9
47	Comparison of three commercial decision support platforms for matching of next-generation sequencing results with therapies in patients with cancer. <i>ESMO Open</i> , 2020 , 5, e000872	6	9
46	Shallow Whole-Genome Sequencing from Plasma Identifies FGFR1 Amplified Breast Cancers and Predicts Overall Survival. <i>Cancers</i> , 2020 , 12,	6.6	8
45	Interviews with patients with advanced cancer--another step towards an international cancer pain classification system. <i>Supportive Care in Cancer</i> , 2012 , 20, 2491-500	3.9	8
44	IL-7, IL-18, MCP-1, MIP1- α and OPG as biomarkers for pain treatment response in patients with cancer. <i>Pain Physician</i> , 2012 , 15, 499-510	1.8	7
43	MUG-Mel2, a novel highly pigmented and well characterized NRAS mutated human melanoma cell line. <i>Scientific Reports</i> , 2017 , 7, 2098	4.9	6
42	Polyclonality of multiple sporadic basal cell carcinomas. <i>Journal of Investigative Dermatology</i> , 2009 , 129, 1586-9	4.3	5
41	Extra phenotypic features in a girl with Miller syndrome. <i>Clinical Dysmorphology</i> , 2011 , 20, 66-72	0.9	5
40	Genetic profiling of putative breast cancer stem cells from malignant pleural effusions. <i>PLoS ONE</i> , 2017 , 12, e0175223	3.7	5
39	Novel phenotypes observed in patients with -linked leukaemia/familial thrombocytopenia syndrome and a biallelic risk allele as leukaemogenic cofactor. <i>Journal of Medical Genetics</i> , 2020 , 57, 427-433	5.8	5

38	Human melanoma brain metastases cell line MUG-Mel1, isolated clones and their detailed characterization. <i>Scientific Reports</i> , 2019 , 9, 4096	4.9	4
37	On-treatment measurements of circulating tumor DNA during FOLFOX therapy in patients with colorectal cancer. <i>Npj Precision Oncology</i> , 2020 , 4, 30	9.8	4
36	Sensitive and broadly applicable residual disease detection in acute myeloid leukemia using flow cytometry-based leukemic cell enrichment followed by mutational profiling. <i>American Journal of Hematology</i> , 2020 , 95, 1148	7.1	4
35	TP53 mutated AML subclones exhibit engraftment in a humanized bone marrow ossicle mouse model. <i>Annals of Hematology</i> , 2020 , 99, 653-655	3	4
34	Infrequent p53 gene mutation but UV gradient-like p53 protein positivity in keloids. <i>Experimental Dermatology</i> , 2012 , 21, 277-80	4	4
33	Untargeted profiling of cell-free circulating DNA. <i>Translational Cancer Research</i> , 2018 , 7, S140-S152	0.3	4
32	Cell-Free DNA Fragmentomics: The New "Omics" on the Block. <i>Clinical Chemistry</i> , 2020 , 66, 1480-1484	5.5	4
31	Circulating Tumor DNA for Modern Cancer Management. <i>Clinical Chemistry</i> , 2019 ,	5.5	4
30	A Multi-Analyte Approach for Improved Sensitivity of Liquid Biopsies in Prostate Cancer. <i>Cancers</i> , 2020 , 12,	6.6	4
29	A higher ctDNA fraction decreases survival in regorafenib-treated metastatic colorectal cancer patients. Results from the regorafenib [®] liquid biopsy translational biomarker phase II pilot study. <i>International Journal of Cancer</i> , 2021 , 148, 1452-1461	7.5	4
28	Dynamic Changes of Circulating Tumor DNA Predict Clinical Outcome in Patients With Advanced Non-Small-Cell Lung Cancer Treated With Immune Checkpoint Inhibitors.. <i>JCO Precision Oncology</i> , 2021 , 5, 1540-1553	3.6	4
27	Digital Circulating Tumor Cell Analyses for Prostate Cancer Precision Oncology. <i>Cancer Discovery</i> , 2018 , 8, 269-271	24.4	3
26	Genome-Wide Analysis of the Nucleosome Landscape in Individuals with Coffin-Siris Syndrome. <i>Cytogenetic and Genome Research</i> , 2019 , 159, 1-11	1.9	3
25	Nonmonoclonal PTCH gene mutations in psoralen plus UVA-associated basal cell carcinomas. <i>Journal of Investigative Dermatology</i> , 2008 , 128, 746-9	4.3	3
24	Inferring expressed genes by whole-genome sequencing of plasma DNA		3
23	Inference of tumor cell-specific transcription factor binding from cell-free DNA enables tumor subtype prediction and early detection of cancer		3
22	Somatic Copy-Number Alterations in Plasma Circulating Tumor DNA from Advanced EGFR-Mutated Lung Adenocarcinoma Patients. <i>Biomolecules</i> , 2021 , 11,	5.9	3
21	Ectenin regulates FOXP2 transcriptional activity via multiple binding sites. <i>FEBS Journal</i> , 2021 , 288, 3261-3284	5.7	3

20	Recommendations for a practical implementation of circulating tumor DNA mutation testing in metastatic non-small-cell lung cancer.. <i>ESMO Open</i> , 2022 , 7, 100399	6	3
19	Detection of AML-specific TP53 mutations in bone marrow-derived mesenchymal stromal cells cultured under hypoxia conditions. <i>Annals of Hematology</i> , 2019 , 98, 2019-2020	3	2
18	Detection of Aneuploidy in Cerebrospinal Fluid from Patients with Breast Cancer Can Improve Diagnosis of Leptomeningeal Metastases. <i>Clinical Cancer Research</i> , 2021 , 27, 2798-2806	12.9	2
17	State of the Art and Future Direction for the Analysis of Cell-Free Circulating DNA 2019 , 133-188		1
16	Functional Classification of TP53 Mutations in Acute Myeloid Leukemia. <i>Blood</i> , 2019 , 134, 2725-2725	2.2	1
15	Sensitive and robust liquid biopsy-based detection of PIK3CA mutations in hormone-receptor-positive metastatic breast cancer patients. <i>British Journal of Cancer</i> , 2021 ,	8.7	1
14	Longitudinal tumor fraction trajectories predict risk of progression in metastatic HR breast cancer patients undergoing CDK4/6 treatment. <i>Molecular Oncology</i> , 2021 , 15, 2390-2400	7.9	1
13	Profiling of circulating tumor DNA and tumor tissue for treatment selection in patients with advanced and refractory carcinoma: a prospective, two-stage phase II Individualized Cancer Treatment trial. <i>Therapeutic Advances in Medical Oncology</i> , 2021 , 13, 1758835920987658	5.4	1
12	Clinical utility of circulating tumor DNA in human cancers. <i>Memo - Magazine of European Medical Oncology</i> , 2015 , 8, 222-226	0.3	0
11	Higher cMET dependence of sacral compared to clival chordoma cells: contributing to a better understanding of cMET in chordoma. <i>Scientific Reports</i> , 2021 , 11, 12466	4.9	0
10	Expression of the cancer-associated DNA polymerase β P286R in fission yeast leads to translesion synthesis polymerase dependent hypermutation and defective DNA replication. <i>PLoS Genetics</i> , 2021 , 17, e1009526	6	0
9	Validation of a next-generation sequencing assay for the detection of EGFR mutations in cell-free circulating tumor DNA. <i>Experimental and Molecular Pathology</i> , 2021 , 123, 104685	4.4	0
8	Molecular profiling of soft-tissue sarcomas with FoundationOne Heme identifies potential targets for sarcoma therapy: a single-centre experience. <i>Therapeutic Advances in Medical Oncology</i> , 2021 , 13, 17588359211029125	5.4	0
7	Potential and Challenges of Liquid Biopsies 2017 , 233-261		
6	Neueste technologische Entwicklungen für die Analyse von zirkulierender Tumor-DNA. <i>Medizinische Genetik</i> , 2016 , 28, 234-244	0.5	
5	Academia Meets Industry. <i>Advances in Experimental Medicine and Biology</i> , 2016 , 924, 201-215	3.6	
4	Ein vielversprechendes Werkzeug. <i>Wiener Klinisches Magazin: Beilage Zur Wiener Klinischen Wochenschrift</i> , 2016 , 19, 36-43	0	
3	Depressed patients with incurable cancer: Which depressive symptoms do they experience?ERRATUM. <i>Palliative and Supportive Care</i> , 2013 , 11, 535-535	2.5	

2 Characterisation and treatment of patients with castration-resistant metastatic prostate cancer (mCRPC) developing neuroendocrine clonal divergence (NCD): A case series.. *Journal of Clinical Oncology*, **2017**, 35, e16520-e16520 2.2

1 Tumor-informiert versus Tumor-agnostisch. *Trillium-Diagnostik*, **2021**, 19, 224-227