Klaus Pantel

List of Publications by Year
in descending order

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314 papers	45,578 citations	2975 93 h-index	1980 206 g-index
320 all docs	320 docs citations	320 times ranked	41440 citing authors

#	Article	IF	Citations
1	Tumour exosome integrins determine organotropic metastasis. Nature, 2015, 527, 329-335.	27.8	3,688
2	Cell-free nucleic acids as biomarkers in cancer patients. Nature Reviews Cancer, 2011, 11, 426-437.	28.4	2,372
3	A Pooled Analysis of Bone Marrow Micrometastasis in Breast Cancer. New England Journal of Medicine, 2005, 353, 793-802.	27.0	1,274
4	Detection of Circulating Tumor Cells in Peripheral Blood of Patients with Metastatic Breast Cancer: A Validation Study of the CellSearch System. Clinical Cancer Research, 2007, 13, 920-928.	7.0	1,204
5	Dissecting the metastatic cascade. Nature Reviews Cancer, 2004, 4, 448-456.	28.4	1,194
6	Challenges in circulating tumour cell research. Nature Reviews Cancer, 2014, 14, 623-631.	28.4	1,102
7	Clinical Applications of Circulating Tumor Cells and Circulating Tumor DNA as Liquid Biopsy. Cancer Discovery, 2016, 6, 479-491.	9.4	1,087
8	PGC-1Î± mediates mitochondrial biogenesis and oxidative phosphorylation in cancer cells to promoteÂmetastasis. Nature Cell Biology, 2014, 16, 992-1003.	10.3	1,073
9	Detection, clinical relevance and specific biological properties of disseminating tumour cells. Nature Reviews Cancer, 2008, 8, 329-340.	28.4	1,037
10	Circulating Tumor Cells: Liquid Biopsy of Cancer. Clinical Chemistry, 2013, 59, 110-118.	3.2	942
11	Identification of a population of blood circulating tumor cells from breast cancer patients that initiates metastasis in a xenograft assay. Nature Biotechnology, 2013, 31, 539-544.	17.5	920
12	Clinical relevance of circulating cell-free microRNAs in cancer. Nature Reviews Clinical Oncology, 2014, 11, 145-156.	27.6	915
13	Cytokeratin-Positive Cells in the Bone Marrow and Survival of Patients with Stage I, II, or III Breast Cancer. New England Journal of Medicine, 2000, 342, 525-533.	27.0	881
14	Clinical validity of circulating tumour cells in patients with metastatic breast cancer: a pooled analysis of individual patient data. Lancet Oncology, The, 2014, 15, 406-414.	10.7	703
15	Tumor metastasis: moving new biological insights into the clinic. Nature Medicine, 2013, 19, 1450-1464.	30.7	685
16	Liquid biopsy and minimal residual disease â€" latest advances and implications for cure. Nature Reviews Clinical Oncology, 2019, 16, 409-424.	27.6	671
17	Cancer micrometastases. Nature Reviews Clinical Oncology, 2009, 6, 339-351.	27.6	625
18	Circulating tumour cells in cancer patients: challenges and perspectives. Trends in Molecular Medicine, 2010, 16, 398-406.	6.7	616

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19	Complex Tumor Genomes Inferred from Single Circulating Tumor Cells by Array-CGH and Next-Generation Sequencing. Cancer Research, 2013, 73, 2965-2975.	0.9	497
20	Circulating Tumor Cells Predict Survival in Early Average-to-High Risk Breast Cancer Patients. Journal of the National Cancer Institute, 2014, 106, .	6.3	493
21	Detection and HER2 Expression of Circulating Tumor Cells: Prospective Monitoring in Breast Cancer Patients Treated in the Neoadjuvant GeparQuattro Trial. Clinical Cancer Research, 2010, 16, 2634-2645.	7.0	463
22	Biology, detection, and clinical implications of circulating tumor cells. EMBO Molecular Medicine, 2015, 7, 1-11.	6.9	453
23	VCAM-1 Promotes Osteolytic Expansion of Indolent Bone Micrometastasis of Breast Cancer by Engaging Î±4Î²1-Positive Osteoclast Progenitors. Cancer Cell, 2011, 20, 701-714.	16.8	445
24	Circulating and disseminated tumour cells â€" mechanisms of immune surveillance and escape. Nature Reviews Clinical Oncology, 2017, 14, 155-167.	27.6	426
25	Liquid Biopsy: From Discovery to Clinical Application. Cancer Discovery, 2021, 11, 858-873.	9.4	407
26	Liquid Biopsies, What We Do Not Know (Yet). Cancer Cell, 2017, 31, 172-179.	16.8	395
27	Unravelling tumour heterogeneity by single-cell profiling of circulating tumour cells. Nature Reviews Cancer, 2019, 19, 553-567.	28.4	393
28	Data Normalization Strategies for MicroRNA Quantification. Clinical Chemistry, 2015, 61, 1333-1342.	3.2	384
29	Real-time Liquid Biopsy in Cancer Patients: Fact or Fiction?. Cancer Research, 2013, 73, 6384-6388.	0.9	376
30	Circulating Tumor Cells in Breast Cancer: Correlation to Bone Marrow Micrometastases, Heterogeneous Response to Systemic Therapy and Low Proliferative Activity. Clinical Cancer Research, 2005, 11, 3678-3685.	7.0	372
31	Lack of Effect of Adjuvant Chemotherapy on the Elimination of Single Dormant Tumor Cells in Bone Marrow of High-Risk Breast Cancer Patients. Journal of Clinical Oncology, 2000, 18, 80-80.	1.6	367
32	Tumor Cell Dissemination: Emerging Biological Insights from Animal Models and Cancer Patients. Cancer Cell, 2013, 23, 573-581.	16.8	365
33	Clinical utility of circulating non-coding RNAs â€" an update. Nature Reviews Clinical Oncology, 2018, 15, 541-563.	27.6	353
34	Prognostic Value of Immunohistochemically Identifiable Tumor Cells in Lymph Nodes of Patients with Completely Resected Esophageal Cancer. New England Journal of Medicine, 1997, 337, 1188-1194.	27.0	347
35	HER2 status of circulating tumor cells in patients with metastatic breast cancer: a prospective, multicenter trial. Breast Cancer Research and Treatment, 2010, 124, 403-412.	2.5	330
36	Meta-Analysis of the Prognostic Value of Circulating Tumor Cells in Breast Cancer. Clinical Cancer Research, 2012, 18, 5701-5710.	7.0	330

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37	Establishment and Characterization of a Cell Line from Human Circulating Colon Cancer Cells. Cancer Research, 2015, 75, 892-901.	0.9	321
38	Review: Biological relevance of disseminated tumor cells in cancer patients. International Journal of Cancer, 2008, 123, 1991-2006.	5.1	309
39	Tumor-associated copy number changes in the circulation of patients with prostate cancer identified through whole-genome sequencing. Genome Medicine, 2013, 5, 30.	8.2	306
40	Increased serum levels of circulating exosomal microRNA-373 in receptor-negative breast cancer patients. Oncotarget, 2014, 5, 9650-9663.	1.8	304
41	Frequent expression of PDâ€L1 on circulating breast cancer cells. Molecular Oncology, 2015, 9, 1773-1782.	4.6	303
42	Pooled Analysis of the Prognostic Relevance of Circulating Tumor Cells in Primary Breast Cancer. Clinical Cancer Research, 2016, 22, 2583-2593.	7.0	289
43	Considerations in the development of circulating tumor cell technology for clinical use. Journal of Translational Medicine, 2012, 10, 138.	4.4	282
44	Changes in Cytoskeletal Protein Composition Indicative of an Epithelial-Mesenchymal Transition in Human Micrometastatic and Primary Breast Carcinoma Cells. Clinical Cancer Research, 2005, 11, 8006-8014.	7.0	277
45	Hematogenous dissemination of glioblastoma multiforme. Science Translational Medicine, 2014, 6, 247ra101.	12.4	264
46	Methodological Analysis of Immunocytochemical Screening for Disseminated Epithelial Tumor Cells in Bone Marrow. Stem Cells and Development, 1994, 3, 165-173.	1.0	263
47	Tumor-Induced Osteoclast miRNA Changes as Regulators and Biomarkers of Osteolytic Bone Metastasis. Cancer Cell, 2013, 24, 542-556.	16.8	251
48	Persistence of Disseminated Tumor Cells in the Bone Marrow of Breast Cancer Patients Predicts Increased Risk for Relapseâ€"A European Pooled Analysis. Clinical Cancer Research, 2011, 17, 2967-2976.	7.0	244
49	Clinical relevance of blood-based ctDNA analysis: mutation detection and beyond. British Journal of Cancer, 2021, 124, 345-358.	6.4	238
50	Circulating Epithelial Cells in Patients with Benign Colon Diseases. Clinical Chemistry, 2012, 58, 936-940.	3.2	229
51	Technologies for detection of circulating tumor cells: facts and vision. Lab on A Chip, 2014, 14, 57-62.	6.0	226
52	Breast cancer brain metastases: biology and new clinical perspectives. Breast Cancer Research, 2016, 18, 8.	5.0	226
53	Cell-free Tumor DNA in Blood Plasma As a Marker for Circulating Tumor Cells in Prostate Cancer. Clinical Cancer Research, 2009, 15, 1032-1038.	7.0	221
54	Plastin3 Is a Novel Marker for Circulating Tumor Cells Undergoing the Epithelialâ€"Mesenchymal Transition and Is Associated with Colorectal Cancer Prognosis. Cancer Research, 2013, 73, 2059-2069.	0.9	220

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55	Hemodynamic Forces Tune the Arrest, Adhesion, and Extravasation of Circulating Tumor Cells. Developmental Cell, 2018, 45, 33-52.e12.	7.0	219
56	Heterogeneity of Epidermal Growth Factor Receptor Status and Mutations of KRAS/PIK3CA in Circulating Tumor Cells of Patients with Colorectal Cancer. Clinical Chemistry, 2013, 59, 252-260.	3.2	215
57	A concept for the standardized detection of disseminated tumor cells in bone marrow from patients with primary breast cancer and its clinical implementation. Cancer, 2006, 107, 885-892.	4.1	211
58	Diagnostic and prognostic relevance of circulating exosomal miR-373, miR-200a, miR-200b and miR-200c in patients with epithelial ovarian cancer. Oncotarget, 2016, 7, 16923-16935.	1.8	207
59	Circulating Tumor Cells in Breast Cancer Patients Treated by Neoadjuvant Chemotherapy: A Meta-analysis. Journal of the National Cancer Institute, 2018, 110, 560-567.	6.3	206
60	The clinical use of circulating tumor cells (CTCs) enumeration for staging of metastatic breast cancer (MBC): International expert consensus paper. Critical Reviews in Oncology/Hematology, 2019, 134, 39-45.	4.4	200
61	Tumor-Cell Homing to Lymph Nodes and Bone Marrow and CXCR4 Expression in Esophageal Cancer. Journal of the National Cancer Institute, 2005, 97, 1840-1847.	6.3	199
62	Biologic Challenges in the Detection of Circulating Tumor Cells. Cancer Research, 2013, 73, 8-11.	0.9	199
63	Plasticity of disseminating cancer cells in patients with epithelial malignancies. Cancer and Metastasis Reviews, 2012, 31, 673-687.	5.9	192
64	Profiling circulating tumour cells and other biomarkers of invasive cancers. Nature Biomedical Engineering, 2018, 2, 72-84.	22.5	187
65	Clinical applications of the CellSearch platform in cancer patients. Advanced Drug Delivery Reviews, 2018, 125, 102-121.	13.7	185
66	Detection and Characterization of Putative Metastatic Precursor Cells in Cancer Patients. Clinical Chemistry, 2007, 53, 537-539.	3.2	182
67	Capture of Viable Circulating Tumor Cells in the Liver of Colorectal Cancer Patients. Clinical Chemistry, 2013, 59, 1384-1392.	3.2	182
68	Liquid Biopsy: Current Status and Future Perspectives. Oncology Research and Treatment, 2017, 40, 404-408.	1.2	177
69	Prognostic Role and HER2 Expression of Circulating Tumor Cells in Peripheral Blood of Patients Prior to Radical Cystectomy: A Prospective Study. European Urology, 2012, 61, 810-817.	1.9	163
70	Prognostic impact of circulating tumor cells assessed with the CellSearch Systemâ„¢ and AdnaTest Breastâ„¢ in metastatic breast cancer patients: the DETECT study. Breast Cancer Research, 2012, 14, R118.	5.0	160
71	Detection and Monitoring of Cellâ€Free DNA in Blood of Patients with Colorectal Cancer. Annals of the New York Academy of Sciences, 2008, 1137, 190-196.	3.8	158
72	Full-length cytokeratin-19 is released by human tumor cells: a potential role in metastatic progression of breast cancer. Breast Cancer Research, 2009, 11, R39.	5.0	146

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73	Liquid biopsies: Potential and challenges. International Journal of Cancer, 2021, 148, 528-545.	5.1	146
74	Plasma DNA integrity as a biomarker for primary and metastatic breast cancer and potential marker for early diagnosis. Breast Cancer Research and Treatment, 2014, 146, 163-174.	2.5	142
75	Enumeration and Molecular Characterization of Tumor Cells in Lung Cancer Patients Using a Novel In Vivo Device for Capturing Circulating Tumor Cells. Clinical Cancer Research, 2016, 22, 2197-2206.	7.0	135
76	Specific microRNA signatures in exosomes of triple-negative and HER2-positive breast cancer patients undergoing neoadjuvant therapy within the GeparSixto trial. BMC Medicine, 2018, 16, 179.	5.5	134
77	Therapeutic Antibody Targeting Tumor- and Osteoblastic Niche-Derived Jagged1 Sensitizes Bone Metastasis to Chemotherapy. Cancer Cell, 2017, 32, 731-747.e6.	16.8	133
78	Tumor-Educated Platelets as Liquid Biopsy in Cancer Patients. Cancer Cell, 2015, 28, 552-554.	16.8	132
79	Changes in Keratin Expression during Metastatic Progression of Breast Cancer: Impact on the Detection of Circulating Tumor Cells. Clinical Cancer Research, 2012, 18, 993-1003.	7.0	130
80	Accession of Tumor Heterogeneity by Multiplex Transcriptome Profiling of Single Circulating Tumor Cells. Clinical Chemistry, 2016, 62, 1504-1515.	3.2	130
81	Biology and clinical relevance of EpCAM. Cell Stress, 2019, 3, 165-180.	3.2	127
82	Clinical relevance and biology of circulating tumor cells. Breast Cancer Research, 2011, 13, 228.	5.0	126
83	Exosomal micro<scp>RNA</scp>s as tumor markers in epithelial ovarian cancer. Molecular Oncology, 2018, 12, 1935-1948.	4.6	125
84	The prognostic impact of circulating tumor cells in subtypes of metastatic breast cancer. Breast Cancer Research and Treatment, 2013, 137, 503-510.	2.5	118
85	Prognostic Relevance of Circulating Tumor Cells in Blood and Disseminated Tumor Cells in Bone Marrow of Patients with Squamous Cell Carcinoma of the Oral Cavity. Clinical Cancer Research, 2014, 20, 425-433.	7.0	118
86	Liquid biopsies. Genes Chromosomes and Cancer, 2019, 58, 219-232.	2.8	117
87	Heterogeneity of Estrogen Receptor Expression in Circulating Tumor Cells from Metastatic Breast Cancer Patients. PLoS ONE, 2013, 8, e75038.	2.5	114
88	Epithelial-mesenchymal plasticity in circulating tumor cells. Journal of Molecular Medicine, 2017, 95, 133-142.	3.9	113
89	Diagnostic and prognostic potential of serum miR-7, miR-16, miR-25, miR-93, miR-182, miR-376a and miR-429 in ovarian cancer patients. British Journal of Cancer, 2015, 113, 1358-1366.	6.4	110
90	Determination of PD-L1 Expression in Circulating Tumor Cells of NSCLC Patients and Correlation with Response to PD-1/PD-L1 Inhibitors. Cancers, 2019, 11, 835.	3.7	109

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91	Circulating Tumor Cells in Prostate Cancer: From Discovery to Clinical Utility. Clinical Chemistry, 2019, 65, 87-99.	3.2	109
92	Dual Roles of the Transcription Factor Grainyhead-like 2 (GRHL2) in Breast Cancer. Journal of Biological Chemistry, 2013, 288, 22993-23008.	3.4	103
93	Prognostic Relevance of Viable Circulating Tumor Cells Detected by EPISPOT in Metastatic Breast Cancer Patients. Clinical Chemistry, 2014, 60, 214-221.	3.2	102
94	Presence of Circulating Tumor Cells in High-Risk Early Breast Cancer During Follow-Up and Prognosis. Journal of the National Cancer Institute, 2019, 111, 380-387.	6.3	101
95	Multicenter Evaluation of Circulating Cell-Free DNA Extraction and Downstream Analyses for the Development of Standardized (Pre)analytical Work Flows. Clinical Chemistry, 2020, 66, 149-160.	3.2	100
96	Tumor signatures in the blood. Nature Biotechnology, 2014, 32, 441-443.	17.5	96
97	Improved detection of circulating tumor cells in non-metastatic high-risk prostate cancer patients. Scientific Reports, 2016, 6, 39736.	3.3	96
98	Relevance of PTEN loss in brain metastasis formation in breast cancer patients. Breast Cancer Research, 2012, 14, R49.	5.0	93
99	Characterization of different CTC subpopulations in non-small cell lung cancer. Scientific Reports, 2016, 6, 28010.	3.3	91
100	Novel approaches to target the microenvironment of bone metastasis. Nature Reviews Clinical Oncology, 2021, 18, 488-505.	27.6	91
101	Discovery of a Novel Unfolded Protein Response Phenotype of Cancer Stem/Progenitor Cells from the Bone Marrow of Breast Cancer Patients. Journal of Proteome Research, 2010, 9, 3158-3168.	3.7	89
102	Circulating DNA as biomarker in breast cancer. Breast Cancer Research, 2015, 17, 136.	5.0	89
103	Aberrant plasma levels of circulatingmiR-16, miR-107, miR-130aandmiR-146aare associated with lymph node metastasis and receptor status of breast cancer patients. Oncotarget, 2015, 6, 13387-13401.	1.8	88
104	Genomic Profiles Associated with Early Micrometastasis in Lung Cancer: Relevance of 4q Deletion. Clinical Cancer Research, 2009, 15, 1566-1574.	7.0	87
105	Circulating tumor cells detection has independent prognostic impact in high-risk non-muscle invasive bladder cancer. International Journal of Cancer, 2014, 135, 1978-1982.	5.1	87
106	Circulating Tumor DNA as a Cancer Biomarker: Fact or Fiction?. Clinical Chemistry, 2016, 62, 1054-1060.	3.2	87
107	Functional Studies on Viable Circulating Tumor Cells. Clinical Chemistry, 2016, 62, 328-334.	3.2	87
108	Imaging flow cytometry facilitates multiparametric characterization of extracellular vesicles in malignant brain tumours. Journal of Extracellular Vesicles, 2019, 8, 1588555.	12.2	86

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109	Prognostic Impact of Circulating Tumor Cells for Breast Cancer Patients Treated in the Neoadjuvant "Geparquattro" Trial. Clinical Cancer Research, 2017, 23, 5384-5393.	7.0	85
110	Advances in liquid biopsy approaches for early detection and monitoring of cancer. Genome Medicine, 2018, 10, 21.	8.2	85
111	Blockade of Myeloid-Derived Suppressor Cell Expansion with All-Trans Retinoic Acid Increases the Efficacy of Antiangiogenic Therapy. Cancer Research, 2018, 78, 3220-3232.	0.9	84
112	Interplay of lncRNA H19/miRâ€675 and lncRNA NEAT1/miRâ€204 in breast cancer. Molecular Oncology, 2019, 13, 1137-1149.	4.6	84
113	Prognostic Significance of Disseminated Tumor Cells in the Bone Marrow of Prostate Cancer Patients Treated With Neoadjuvant Hormone Treatment. Journal of Clinical Oncology, 2008, 26, 4928-4933.	1.6	83
114	Bone marrow as a reservoir for disseminated tumor cells: a special source for liquid biopsy in cancer patients. BoneKEy Reports, 2014, 3, 584.	2.7	82
115	Circulating Tumor Cells as a Biomarker for Preoperative Prognostic Staging in Patients With Esophageal Cancer. Annals of Surgery, 2015, 261, 1124-1130.	4.2	82
116	Improved Risk Stratification by Circulating Tumor Cell Counts in Pancreatic Cancer. Clinical Cancer Research, 2018, 24, 2844-2850.	7.0	78
117	Characterization of circulating breast cancer cells with tumorigenic and metastatic capacity. EMBO Molecular Medicine, 2020, 12, e11908.	6.9	77
118	Distinct functional roles of Akt isoforms for proliferation, survival, migration and EGF-mediated signalling in lung cancer derived disseminated tumor cells. Cellular Signalling, 2011, 23, 1952-1960.	3.6	76
119	EGFR and HER3 expression in circulating tumor cells and tumor tissue from non-small cell lung cancer patients. Scientific Reports, 2019, 9, 7406.	3.3	73
120	Occult Tumor Cells in Bone Marrow of Patients With Locoregionally Restricted Ovarian Cancer Predict Early Distant Metastatic Relapse. Journal of Clinical Oncology, 2001, 19, 368-375.	1.6	72
121	Advancing personalized cancer therapy by detection and characterization of circulating carcinoma cells. Annals of the New York Academy of Sciences, 2010, 1210, 66-77.	3.8	71
122	Heterogeneous PSMA expression on circulating tumor cells - a potential basis for stratification and monitoring of PSMA-directed therapies in prostate cancer. Oncotarget, 2016, 7, 34930-34941.	1.8	71
123	The impact of HER2 phenotype of circulating tumor cells in metastatic breast cancer: a retrospective study in 107 patients. BMC Cancer, 2015, 15, 403.	2.6	70
124	Disseminated Tumor Cells Persist in the Bone Marrow of Breast Cancer Patients through Sustained Activation of the Unfolded Protein Response. Cancer Research, 2015, 75, 5367-5377.	0.9	70
125	Liquid biopsy: Potential and challenges. Molecular Oncology, 2016, 10, 371-373.	4.6	67
126	Multiplex Gene Expression Profiling of In Vivo Isolated Circulating Tumor Cells in High-Risk Prostate Cancer Patients. Clinical Chemistry, 2018, 64, 297-306.	3.2	67

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127	Autologous cell lines from circulating colon cancer cells captured from sequential liquid biopsies as model to study therapy-driven tumor changes. Scientific Reports, 2018, 8, 15931.	3.3	67
128	In Situ Detection and Quantification of AR-V7, AR-FL, PSA, and KRAS Point Mutations in Circulating Tumor Cells. Clinical Chemistry, 2018, 64, 536-546.	3.2	66
129	International liquid biopsy standardization alliance white paper. Critical Reviews in Oncology/Hematology, 2020, 156, 103112.	4.4	66
130	Serial enumeration of circulating tumor cells predicts treatment response and prognosis in metastatic breast cancer: a prospective study in 393 patients. BMC Cancer, 2014, 14, 512.	2.6	65
131	Frequent Genetic Alterations in EGFR- and HER2-Driven Pathways in Breast Cancer Brain Metastases. American Journal of Pathology, 2013, 183, 83-95.	3.8	63
132	Are circulating tumor cells predictive of overall survival?. Nature Reviews Clinical Oncology, 2009, 6, 190-191.	27.6	61
133	Different signatures of miR-16, miR-30b and miR-93 in exosomes from breast cancer and DCIS patients. Scientific Reports, 2018, 8, 12974.	3.3	59
134	Genome-wide methylation profiling of glioblastoma cell-derived extracellular vesicle DNA allows tumor classification. Neuro-Oncology, 2021, 23, 1087-1099.	1.2	59
135	Circulating tumor cells as liquid biomarker for high HCC recurrence risk after curative liver resection. Oncotarget, 2017, 8, 89978-89987.	1.8	58
136	Current and Future Clinical Applications of ctDNA in Immuno-Oncology. Cancer Research, 2022, 82, 349-358.	0.9	57
137	Detection of Circulating Tumor Cells in Non-Small Cell Lung Cancer. Frontiers in Oncology, 2015, 5, 207.	2.8	56
138	Comparative study of whole genome amplification and next generation sequencing performance of single cancer cells. Oncotarget, 2017, 8, 56066-56080.	1.8	56
139	Clonality of circulating tumor cells in breast cancer brain metastasis patients. Breast Cancer Research, 2019, 21, 101.	5.0	54
140	Improved Detection of Circulating Tumor Cells in Metastatic Colorectal Cancer by the Combination of the CellSearchÂ® System and the AdnaTestÂ®. PLoS ONE, 2016, 11, e0155126.	2.5	54
141	Frequent detection of PIK3CA mutations in single circulating tumor cells of patients suffering from HER2â€negative metastatic breast cancer. Molecular Oncology, 2016, 10, 1330-1343.	4.6	53
142	Epithelial keratins: Biology and implications as diagnostic markers for liquid biopsies. Molecular Aspects of Medicine, 2020, 72, 100817.	6.4	49
143	Blood-Based Analysis of Circulating Cell-Free DNA and Tumor Cells for Early Cancer Detection. PLoS Medicine, 2016, 13, e1002205.	8.4	49
144	Two-Dimensional Differential Gel Electrophoresis of a Cell Line Derived from a Breast Cancer Micrometastasis Revealed a Stem/Progenitor Cell Protein Profile. Journal of Proteome Research, 2009, 8, 2004-2014.	3.7	48

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145	Highâ€resolution analyses of copy number changes in disseminated tumor cells of patients with breast cancer. International Journal of Cancer, 2012, 131, E405-15.	5.1	48
146	Characterization of single circulating tumor cells. FEBS Letters, 2017, 591, 2241-2250.	2.8	48
147	Suppression of Early Hematogenous Dissemination of Human Breast Cancer Cells to Bone Marrow by Retinoic Acidâ€"Induced 2. Cancer Discovery, 2015, 5, 506-519.	9.4	45
148	Frequency of Circulating Tumor Cells (CTC) in Patients with Brain Metastases: Implications as a Risk Assessment Marker in Oligo-Metastatic Disease. Cancers, 2018, 10, 527.	3.7	45
149	Liquid biopsy-based clinical research in early breast cancer: The EORTC 90091-10093 Treat CTC trial. European Journal of Cancer, 2016, 63, 97-104.	2.8	44
150	Circulating Giant Tumor-Macrophage Fusion Cells Are Independent Prognosticators in Patients With NSCLC. Journal of Thoracic Oncology, 2020, 15, 1460-1471.	1.1	44
151	Liquid biopsy in cancer patients: advances in capturing viable CTCs for functional studies using the EPISPOT assay. Expert Review of Molecular Diagnostics, 2015, 15, 1411-1417.	3.1	43
152	Aggressive variants of prostate cancer: underlying mechanisms of neuroendocrine transdifferentiation. Journal of Experimental and Clinical Cancer Research, 2022, 41, 46.	8.6	43
153	Disseminated breast tumour cells: biological and clinical meaning. Nature Reviews Clinical Oncology, 2018, 15, 129-131.	27.6	42
154	ALCAM (CD166) expression and serum levels are markers for poor survival of esophageal cancer patients. International Journal of Cancer, 2012, 131, 396-405.	5.1	40
155	Tumour microenvironment: informing on minimal residual disease in solid tumours. Nature Reviews Clinical Oncology, 2017, 14, 325-326.	27.6	40
156	Plasma microRNA signature is associated with risk stratification in prostate cancer patients. International Journal of Cancer, 2017, 141, 1231-1239.	5.1	40
157	MicroRNAs from Liquid Biopsy Derived Extracellular Vesicles: Recent Advances in Detection and Characterization Methods. Cancers, 2020, 12, 2009.	3.7	40
158	Disseminated Tumor Cells in Bone Marrow and the Natural Course of Resected Esophageal Cancer. Annals of Surgery, 2012, 255, 1105-1112.	4.2	39
159	Axl Blockade by BGB324 Inhibits BCR-ABL Tyrosine Kinase Inhibitorâ€"Sensitive and -Resistant Chronic Myeloid Leukemia. Clinical Cancer Research, 2017, 23, 2289-2300.	7.0	38
160	Functional analysis of circulating tumour cells: the KEY to understand the biology of the metastatic cascade. British Journal of Cancer, 2022, 127, 800-810.	6.4	38
161	AKT3 regulates ErbB2, ErbB3 and estrogen receptor Î± expression and contributes to endocrine therapy resistance of ErbB2+ breast tumor cells from Balb-neuT mice. Cellular Signalling, 2014, 26, 1021-1029.	3.6	37
162	Circulating Cell-Free miR-373, miR-200a, miR-200b and miR-200c in Patients with Epithelial Ovarian Cancer. Advances in Experimental Medicine and Biology, 2016, 924, 3-8.	1.6	37

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163	ALCAM contributes to brain metastasis formation in non-small-cell lung cancer through interaction with the vascular endothelium. Neuro-Oncology, 2020, 22, 955-966.	1.2	36
164	Clinical relevance of cytoskeleton associated proteins for ovarian cancer. Journal of Cancer Research and Clinical Oncology, 2018, 144, 2195-2205.	2.5	35
165	PTEN mediates the cross talk between breast and glial cells in brain metastases leading to rapid disease progression. Oncotarget, 2017, 8, 6155-6168.	1.8	35
166	Squamous cell carcinoma of the oral cavity and circulating tumour cells. World Journal of Clinical Oncology, 2014, 5, 114.	2.3	35
167	Tracking tumor resistance using 'liquid biopsies'. Nature Medicine, 2013, 19, 676-677.	30.7	34
168	Expression of Epithelial Mesenchymal Transition and Cancer Stem Cell Markers in Circulating Tumor Cells. Advances in Experimental Medicine and Biology, 2017, 994, 205-228.	1.6	34
169	Evaluation of PD-L1 expression on circulating tumor cells (CTCs) in patients with advanced urothelial carcinoma (UC). OncoImmunology, 2020, 9, 1738798.	4.6	34
170	Detection and clinical relevance of early disseminated breast cancer cells depend on their cytokeratin expression pattern. Breast Cancer Research and Treatment, 2011, 125, 729-738.	2.5	33
171	Heterogeneity of miR-10b expression in circulating tumor cells. Scientific Reports, 2015, 5, 15980.	3.3	33
172	A nonrandomized, prospective, clinical study on the impact of circulating tumor cells on outcomes of urothelial carcinoma of the bladder patients treated with radical cystectomy with or without adjuvant chemotherapy. International Journal of Cancer, 2017, 140, 381-389.	5.1	33
173	Molecular and Functional Characterization of Circulating Tumor Cells: From Discovery to Clinical Application. Clinical Chemistry, 2020, 66, 97-104.	3.2	33
174	Circulating Tumor Cells as a Marker of Disseminated Disease in Patients with Newly Diagnosed High-Risk Prostate Cancer. Cancers, 2020, 12, 160.	3.7	32
175	Disseminated tumor cells in pancreatic cancerâ€"an independent prognosticator of disease progression and survival. International Journal of Cancer, 2012, 131, E475-83.	5.1	30
176	Molecular mechanisms of cancer metastasis via the lymphatic versus the blood vessels. Clinical and Experimental Metastasis, 2022, 39, 159-179.	3.3	30
177	Lymphatic spread and microinvolvement in adenocarcinoma of the esophago-gastric junction. Journal of Surgical Oncology, 2006, 94, 307-315.	1.7	29
178	Potential Involvement of Jagged1 in Metastatic Progression of Human Breast Carcinomas. Clinical Chemistry, 2016, 62, 378-386.	3.2	29
179	Interplay between coagulation and inflammation in cancer: Limitations and therapeutic opportunities. Cancer Treatment Reviews, 2022, 102, 102322.	7.7	29
180	Cyclooxygenase-2 blockade can improve efficacy of VEGF-targeting drugs. Oncotarget, 2015, 6, 6341-6358.	1.8	28

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