

K C Allen Chan

List of Publications by Year in descending order

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papers

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17440

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all docs

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165
times ranked

14055
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#	ARTICLE	IF	CITATIONS
1	Maternal Plasma DNA Sequencing Reveals the Genome-Wide Genetic and Mutational Profile of the Fetus. <i>Science Translational Medicine</i> , 2010, 2, 61ra91.	12.4	878
2	Noninvasive prenatal diagnosis of fetal chromosomal aneuploidy by massively parallel genomic sequencing of DNA in maternal plasma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 20458-20463.	7.1	809
3	Non-invasive prenatal assessment of trisomy 21 by multiplexed maternal plasma DNA sequencing: large scale validity study. <i>BMJ: British Medical Journal</i> , 2011, 342, c7401-c7401.	2.3	641
4	Plasma DNA tissue mapping by genome-wide methylation sequencing for noninvasive prenatal, cancer, and transplantation assessments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E5503-12.	7.1	579
5	Lengthening and shortening of plasma DNA in hepatocellular carcinoma patients. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E1317-25.	7.1	543
6	Analysis of Plasma Epstein-Barr Virus DNA to Screen for Nasopharyngeal Cancer. <i>New England Journal of Medicine</i> , 2017, 377, 513-522.	27.0	531
7	Effects of early corticosteroid treatment on plasma SARS-associated Coronavirus RNA concentrations in adult patients. <i>Journal of Clinical Virology</i> , 2004, 31, 304-309.	3.1	516
8	Size Distributions of Maternal and Fetal DNA in Maternal Plasma. <i>Clinical Chemistry</i> , 2004, 50, 88-92.	3.2	512
9	Cancer Genome Scanning in Plasma: Detection of Tumor-Associated Copy Number Aberrations, Single-Nucleotide Variants, and Tumoral Heterogeneity by Massively Parallel Sequencing. <i>Clinical Chemistry</i> , 2013, 59, 211-224.	3.2	447
10	Microfluidics Digital PCR Reveals a Higher than Expected Fraction of Fetal DNA in Maternal Plasma. <i>Clinical Chemistry</i> , 2008, 54, 1664-1672.	3.2	396
11	Digital PCR for the molecular detection of fetal chromosomal aneuploidy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 13116-13121.	7.1	387
12	Single-Molecule Detection of Epidermal Growth Factor Receptor Mutations in Plasma by Microfluidics Digital PCR in Non-Small Cell Lung Cancer Patients. <i>Clinical Cancer Research</i> , 2009, 15, 2076-2084.	7.0	371
13	Noninvasive detection of cancer-associated genome-wide hypomethylation and copy number aberrations by plasma DNA bisulfite sequencing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 18761-18768.	7.1	363
14	Plasma Epstein-Barr Viral Deoxyribonucleic Acid Quantitation Complements Tumor-Node-Metastasis Staging Prognostication in Nasopharyngeal Carcinoma. <i>Journal of Clinical Oncology</i> , 2006, 24, 5414-5418.	1.6	346
15	Antitumor Activity of Nivolumab in Recurrent and Metastatic Nasopharyngeal Carcinoma: An International, Multicenter Study of the Mayo Clinic Phase 2 Consortium (NCI-9742). <i>Journal of Clinical Oncology</i> , 2018, 36, 1412-1418.	1.6	324
16	Hypermethylated RASSF1A in Maternal Plasma: A Universal Fetal DNA Marker that Improves the Reliability of Noninvasive Prenatal Diagnosis. <i>Clinical Chemistry</i> , 2006, 52, 2211-2218.	3.2	319
17	Noninvasive prenatal diagnosis of monogenic diseases by digital size selection and relative mutation dosage on DNA in maternal plasma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 19920-19925.	7.1	310
18	Noninvasive Prenatal Diagnosis of Congenital Adrenal Hyperplasia Using Cell-Free Fetal DNA in Maternal Plasma. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, E1022-E1030.	3.6	270

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19	Noninvasive Prenatal Diagnosis of Fetal Trisomy 18 and Trisomy 13 by Maternal Plasma DNA Sequencing. PLoS ONE, 2011, 6, e21791.	2.5	243
20	Size-based molecular diagnostics using plasma DNA for noninvasive prenatal testing. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8583-8588.	7.1	233
21	Noninvasive prenatal diagnosis of hemophilia by microfluidics digital PCR analysis of maternal plasma DNA. Blood, 2011, 117, 3684-3691.	1.4	232
22	High-Resolution Profiling of Fetal DNA Clearance from Maternal Plasma by Massively Parallel Sequencing. Clinical Chemistry, 2013, 59, 1228-1237.	3.2	202
23	First-Line Erlotinib Therapy Until and Beyond Response Evaluation Criteria in Solid Tumors Progression in Asian Patients With Epidermal Growth Factor Receptor Mutation—Positive Non—Small-Cell Lung Cancer. JAMA Oncology, 2016, 2, 305.	7.1	201
24	Molecular characterization of circulating EBV DNA in the plasma of nasopharyngeal carcinoma and lymphoma patients. Cancer Research, 2003, 63, 2028-32.	0.9	181
25	Digital PCR Analysis of Maternal Plasma for Noninvasive Detection of Sickle Cell Anemia. Clinical Chemistry, 2012, 58, 1026-1032.	3.2	179
26	Effects of Preanalytical Factors on the Molecular Size of Cell-Free DNA in Blood. Clinical Chemistry, 2005, 51, 781-784.	3.2	172
27	Tissue and cellular tropism of the coronavirus associated with severe acute respiratory syndrome: an in-situ hybridization study of fatal cases. Journal of Pathology, 2004, 202, 157-163.	4.5	168
28	Orientation-aware plasma cell-free DNA fragmentation analysis in open chromatin regions informs tissue of origin. Genome Research, 2019, 29, 418-427.	5.5	159
29	Noninvasive Prenatal Diagnosis of Monogenic Diseases by Targeted Massively Parallel Sequencing of Maternal Plasma: Application to β -Thalassemia. Clinical Chemistry, 2012, 58, 1467-1475.	3.2	157
30	Plasma DNA End-Motif Profiling as a Fragmentomic Marker in Cancer, Pregnancy, and Transplantation. Cancer Discovery, 2020, 10, 664-673.	9.4	152
31	An International Collaboration to Harmonize the Quantitative Plasma Epstein-Barr Virus DNA Assay for Future Biomarker-Guided Trials in Nasopharyngeal Carcinoma. Clinical Cancer Research, 2013, 19, 2208-2215.	7.0	149
32	Quantitative Analysis and Prognostic Implication of SARS Coronavirus RNA in the Plasma and Serum of Patients with Severe Acute Respiratory Syndrome. Clinical Chemistry, 2003, 49, 1976-1980.	3.2	148
33	Analysis of Plasma Epstein-Barr Virus DNA in Nasopharyngeal Cancer After Chemoradiation to Identify High-Risk Patients for Adjuvant Chemotherapy: A Randomized Controlled Trial. Journal of Clinical Oncology, 2018, 36, 3091-3100.	1.6	147
34	Second generation noninvasive fetal genome analysis reveals de novo mutations, single-base parental inheritance, and preferred DNA ends. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E8159-E8168.	7.1	142
35	Quantitative Analysis of Circulating Methylated DNA as a Biomarker for Hepatocellular Carcinoma. Clinical Chemistry, 2008, 54, 1528-1536.	3.2	141
36	Preferred end coordinates and somatic variants as signatures of circulating tumor DNA associated with hepatocellular carcinoma. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10925-E10933.	7.1	140

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37	Early detection of nasopharyngeal carcinoma by plasma Epstein-Barr virus DNA analysis in a surveillance program. <i>Cancer</i> , 2013, 119, 1838-1844.	4.1	137
38	Dnase1l3 deletion causes aberrations in length and end-motif frequencies in plasma DNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 641-649.	7.1	134
39	Rapid clearance of plasma Epstein-Barr virus DNA after surgical treatment of nasopharyngeal carcinoma. <i>Clinical Cancer Research</i> , 2003, 9, 3254-9.	7.0	132
40	Noninvasive Prenatal Methylation Analysis by Genomewide Bisulfite Sequencing of Maternal Plasma DNA. <i>Clinical Chemistry</i> , 2013, 59, 1583-1594.	3.2	131
41	Systematic micro-array based identification of placental mRNA in maternal plasma: towards non-invasive prenatal gene expression profiling. <i>Journal of Medical Genetics</i> , 2004, 41, 461-467.	3.2	122
42	Fetal DNA Clearance from Maternal Plasma Is Impaired in Preeclampsia. <i>Clinical Chemistry</i> , 2002, 48, 2141-2146.	3.2	118
43	Noninvasive Prenatal Detection of Trisomy 21 by an Epigenetic Genetic Chromosome-Dosage Approach. <i>Clinical Chemistry</i> , 2010, 56, 90-98.	3.2	115
44	Cell-free nucleic acids in plasma, serum and urine: a new tool in molecular diagnosis. <i>Annals of Clinical Biochemistry</i> , 2003, 40, 122-130.	1.6	114
45	Sequencing-based counting and size profiling of plasma Epstein-Barr virus DNA enhance population screening of nasopharyngeal carcinoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5115-E5124.	7.1	114
46	Targeted Massively Parallel Sequencing of Maternal Plasma DNA Permits Efficient and Unbiased Detection of Fetal Alleles. <i>Clinical Chemistry</i> , 2011, 57, 92-101.	3.2	111
47	Size-tagged preferred ends in maternal plasma DNA shed light on the production mechanism and show utility in noninvasive prenatal testing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5106-E5114.	7.1	107
48	Identification and characterization of extrachromosomal circular DNA in maternal plasma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 1658-1665.	7.1	106
49	Plasma DNA aberrations in systemic lupus erythematosus revealed by genomic and methylation sequencing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E5302-11.	7.1	105
50	Nonhematopoietically Derived DNA Is Shorter than Hematopoietically Derived DNA in Plasma: A Transplantation Model. <i>Clinical Chemistry</i> , 2012, 58, 549-558.	3.2	103
51	Universal Haplotype-Based Noninvasive Prenatal Testing for Single Gene Diseases. <i>Clinical Chemistry</i> , 2017, 63, 513-524.	3.2	89
52	High Resolution Size Analysis of Fetal DNA in the Urine of Pregnant Women by Paired-End Massively Parallel Sequencing. <i>PLoS ONE</i> , 2012, 7, e48319.	2.5	86
53	Current State of PCR-Based Epstein-Barr Virus DNA Testing for Nasopharyngeal Cancer. <i>Journal of the National Cancer Institute</i> , 2017, 109, .	6.3	85
54	Circulating EBV DNA as a tumor marker for nasopharyngeal carcinoma. <i>Seminars in Cancer Biology</i> , 2002, 12, 489-496.	9.6	83

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55	Serum Proteomic Fingerprints of Adult Patients with Severe Acute Respiratory Syndrome. <i>Clinical Chemistry</i> , 2006, 52, 421-429.	3.2	83
56	Maternal Plasma RNA Sequencing for Genome-Wide Transcriptomic Profiling and Identification of Pregnancy-Associated Transcripts. <i>Clinical Chemistry</i> , 2014, 60, 954-962.	3.2	80
57	Diminished Urinary Free Cortisol Excretion in Patients with Moderate and Severe Renal Impairment. <i>Clinical Chemistry</i> , 2004, 50, 757-759.	3.2	77
58	ACE2 Gene Polymorphisms Do Not Affect Outcome of Severe Acute Respiratory Syndrome. <i>Clinical Chemistry</i> , 2004, 50, 1683-1686.	3.2	76
59	Noninvasive twin zygosity assessment and aneuploidy detection by maternal plasma DNA sequencing. <i>Prenatal Diagnosis</i> , 2013, 33, 675-681.	2.3	75
60	Clinical Utility of Epstein-Barr Virus DNA Testing in the Treatment of Nasopharyngeal Carcinoma Patients. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 98, 996-1001.	0.8	73
61	Neutrophils: driving progression and poor prognosis in hepatocellular carcinoma?. <i>British Journal of Cancer</i> , 2018, 118, 248-257.	6.4	71
62	Noninvasive Prenatal Molecular Karyotyping from Maternal Plasma. <i>PLoS ONE</i> , 2013, 8, e60968.	2.5	70
63	Persistent Aberrations in Circulating DNA Integrity after Radiotherapy Are Associated with Poor Prognosis in Nasopharyngeal Carcinoma Patients. <i>Clinical Cancer Research</i> , 2008, 14, 4141-4145.	7.0	68
64	Genomic characterisation of the severe acute respiratory syndrome coronavirus of Amoy Gardens outbreak in Hong Kong. <i>Lancet</i> , The, 2003, 362, 1807-1808.	13.7	66
65	Serial Analysis of the Plasma Concentration of SARS Coronavirus RNA in Pediatric Patients with Severe Acute Respiratory Syndrome. <i>Clinical Chemistry</i> , 2003, 49, 2085-2088.	3.2	66
66	Quantitative aberrations of hypermethylated <i>RASSF1A</i> gene sequences in maternal plasma in pre-eclampsia. <i>Prenatal Diagnosis</i> , 2007, 27, 1212-1218.	2.3	66
67	<i>FetalQuant</i> : deducing fractional fetal DNA concentration from massively parallel sequencing of DNA in maternal plasma. <i>Bioinformatics</i> , 2012, 28, 2883-2890.	4.1	65
68	Genome-wide detection of cytosine methylation by single molecule real-time sequencing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	65
69	Noninvasive Prenatal Determination of Twin Zygosity by Maternal Plasma DNA Analysis. <i>Clinical Chemistry</i> , 2013, 59, 427-435.	3.2	64
70	DNA of Erythroid Origin Is Present in Human Plasma and Informs the Types of Anemia. <i>Clinical Chemistry</i> , 2017, 63, 1614-1623.	3.2	63
71	Circulating tumour-derived nucleic acids in cancer patients: potential applications as tumour markers. <i>British Journal of Cancer</i> , 2007, 96, 681-685.	6.4	61
72	Detection and characterization of jagged ends of double-stranded DNA in plasma. <i>Genome Research</i> , 2020, 30, 1144-1153.	5.5	61

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73	Quantitative Analysis of the Transrenal Excretion of Circulating EBV DNA in Nasopharyngeal Carcinoma Patients. <i>Clinical Cancer Research</i> , 2008, 14, 4809-4813.	7.0	60
74	Genomewide bisulfite sequencing reveals the origin and time-dependent fragmentation of urinary cfDNA. <i>Clinical Biochemistry</i> , 2017, 50, 496-501.	1.9	60
75	Liver- and Colon-Specific DNA Methylation Markers in Plasma for Investigation of Colorectal Cancers with or without Liver Metastases. <i>Clinical Chemistry</i> , 2018, 64, 1239-1249.	3.2	60
76	Circulating Placental RNA in Maternal Plasma Is Associated with a Preponderance of 5â€² mRNA Fragments: Implications for Noninvasive Prenatal Diagnosis and Monitoring. <i>Clinical Chemistry</i> , 2005, 51, 1786-1795.	3.2	59
77	Cell-free DNA in maternal plasma and serum: A comparison of quantity, quality and tissue origin using genomic and epigenomic approaches. <i>Clinical Biochemistry</i> , 2016, 49, 1379-1386.	1.9	58
78	Noninvasive Prenatal Diagnosis of Fetal Trisomy 21 by Allelic Ratio Analysis Using Targeted Massively Parallel Sequencing of Maternal Plasma DNA. <i>PLoS ONE</i> , 2012, 7, e38154.	2.5	58
79	Rapid identification and differentiation of Gram-negative and Gram-positive bacterial bloodstream infections by quantitative polymerase chain reaction in preterm infants*. <i>Critical Care Medicine</i> , 2009, 37, 2441-2447.	0.9	54
80	Methy-Pipe: An Integrated Bioinformatics Pipeline for Whole Genome Bisulfite Sequencing Data Analysis. <i>PLoS ONE</i> , 2014, 9, e100360.	2.5	54
81	Lack of Dramatic Enrichment of Fetal DNA in Maternal Plasma by Formaldehyde Treatment. <i>Clinical Chemistry</i> , 2005, 51, 655-658.	3.2	52
82	Methylation analysis of plasma DNA informs etiologies of Epstein-Barr virus-associated diseases. <i>Nature Communications</i> , 2019, 10, 3256.	12.8	52
83	Complementary roles of MRI and endoscopic examination in the early detection of nasopharyngeal carcinoma. <i>Annals of Oncology</i> , 2019, 30, 977-982.	1.2	52
84	Detection of Nasopharyngeal Carcinoma by MR Imaging: Diagnostic Accuracy of MRI Compared with Endoscopy and Endoscopic Biopsy Based on Long-Term Follow-Up. <i>American Journal of Neuroradiology</i> , 2015, 36, 2380-2385.	2.4	51
85	Personalized therapy for hepatocellular carcinoma: Where are we now?. <i>Cancer Treatment Reviews</i> , 2016, 45, 77-86.	7.7	51
86	Investigation into the Origin and Tumoral Mass Correlation of Plasma Epsteinâ€“Barr Virus DNA in Nasopharyngeal Carcinoma. <i>Clinical Chemistry</i> , 2005, 51, 2192-2195.	3.2	46
87	Plasma Epstein-Barr virus DNA as a biomarker for nasopharyngeal carcinoma. <i>Chinese Journal of Cancer</i> , 2014, 33, 598-603.	4.9	45
88	Evaluation of Human Chorionic Gonadotropin Î²-Subunit mRNA Concentrations in Maternal Serum in Aneuploid Pregnancies: A Feasibility Study. <i>Clinical Chemistry</i> , 2004, 50, 1055-1057.	3.2	44
89	Noninvasive Prenatal Testing by Nanopore Sequencing of Maternal Plasma DNA: Feasibility Assessment. <i>Clinical Chemistry</i> , 2015, 61, 1305-1306.	3.2	44
90	Clinical utility of plasma Epsteinâ€“Barr virus DNA and ERCC1 single nucleotide polymorphism in nasopharyngeal carcinoma. <i>Cancer</i> , 2015, 121, 2720-2729.	4.1	43

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91	Single-molecule sequencing reveals a large population of long cell-free DNA molecules in maternal plasma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	43
92	Absence of association between angiotensin converting enzyme polymorphism and development of adult respiratory distress syndrome in patients with severe acute respiratory syndrome: a case control study. <i>BMC Infectious Diseases</i> , 2005, 5, 26.	2.9	41
93	Systematic evaluation of circulating inflammatory markers for hepatocellular carcinoma. <i>Liver International</i> , 2017, 37, 280-289.	3.9	38
94	MR Imaging Criteria for the Detection of Nasopharyngeal Carcinoma: Discrimination of Early-Stage Primary Tumors from Benign Hyperplasia. <i>American Journal of Neuroradiology</i> , 2018, 39, 515-523.	2.4	37
95	Plasma DNA Profile Associated with DNASE1L3 Gene Mutations: Clinical Observations, Relationships to Nuclease Substrate Preference, and In Vivo Correction. <i>American Journal of Human Genetics</i> , 2020, 107, 882-894.	6.2	37
96	Commutability of the Epstein-Barr Virus WHO International Standard across Two Quantitative PCR Methods. <i>Journal of Clinical Microbiology</i> , 2014, 52, 3802-3804.	3.9	36
97	Serologic Antienzyme Rate of Epstein-Barr Virus DNase-Specific Neutralizing Antibody Segregates TNM Classification in Nasopharyngeal Carcinoma. <i>Journal of Clinical Oncology</i> , 2010, 28, 5202-5209.	1.6	35
98	Distinguishing early-stage nasopharyngeal carcinoma from benign hyperplasia using intravoxel incoherent motion diffusion-weighted MRI. <i>European Radiology</i> , 2019, 29, 5627-5634.	4.5	35
99	DNase1 Does Not Appear to Play a Major Role in the Fragmentation of Plasma DNA in a Knockout Mouse Model. <i>Clinical Chemistry</i> , 2018, 64, 406-408.	3.2	34
100	Noninvasive Detection of Bladder Cancer by Shallow-Depth Genome-Wide Bisulfite Sequencing of Urinary Cell-Free DNA for Methylation and Copy Number Profiling. <i>Clinical Chemistry</i> , 2019, 65, 927-936.	3.2	34
101	Fetal DNA clearance from maternal plasma is impaired in preeclampsia. <i>Clinical Chemistry</i> , 2002, 48, 2141-6.	3.2	34
102	Serial Analysis of Plasma Proteomic Signatures in Pediatric Patients with Severe Acute Respiratory Syndrome and Correlation with Viral Load. <i>Clinical Chemistry</i> , 2004, 50, 1452-1455.	3.2	31
103	Liver-derived cell-free nucleic acids in plasma: Biology and applications in liquid biopsies. <i>Journal of Hepatology</i> , 2019, 71, 409-421.	3.7	31
104	Serial Analysis of Fetal DNA Concentrations in Maternal Plasma in Late Pregnancy. <i>Clinical Chemistry</i> , 2003, 49, 678-680.	3.2	30
105	Reduced Plasma RNA Integrity in Nasopharyngeal Carcinoma Patients. <i>Clinical Cancer Research</i> , 2006, 12, 2512-2516.	7.0	27
106	Noninvasive prenatal testing for fetal inheritance of maternal α -thalassaemia mutations using targeted sequencing and relative mutation dosage: a feasibility study. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2018, 125, 461-468.	2.3	27
107	Convolutional neural network for discriminating nasopharyngeal carcinoma and benign hyperplasia on MRI. <i>European Radiology</i> , 2021, 31, 3856-3863.	4.5	27
108	Characteristics of Fetal Extrachromosomal Circular DNA in Maternal Plasma: Methylation Status and Clearance. <i>Clinical Chemistry</i> , 2021, 67, 788-796.	3.2	26

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109	Setting Up a Polymerase Chain Reaction Laboratory. , 2006, 336, 11-18.		24
110	Single-Stranded DNA Library Preparation Preferentially Enriches Short Maternal DNA in Maternal Plasma. <i>Clinical Chemistry</i> , 2017, 63, 1031-1037.	3.2	24
111	Prospective evaluation of plasma Epstein-Barr virus DNA clearance and fluorodeoxyglucose positron emission scan in assessing early response to chemotherapy in patients with advanced or recurrent nasopharyngeal carcinoma. <i>British Journal of Cancer</i> , 2018, 118, 1051-1055.	6.4	24
112	Jagged Ends of Urinary Cell-Free DNA: Characterization and Feasibility Assessment in Bladder Cancer Detection. <i>Clinical Chemistry</i> , 2021, 67, 621-630.	3.2	24
113	Proteomic analysis reveals platelet factor 4 and beta-thromboglobulin as prognostic markers in severe acute respiratory syndrome. <i>Electrophoresis</i> , 2012, 33, 1894-1900.	2.4	23
114	Single-Molecule Sequencing Enables Long Cell-Free DNA Detection and Direct Methylation Analysis for Cancer Patients. <i>Clinical Chemistry</i> , 2022, 68, 1151-1163.	3.2	22
115	Early Detection of Cancer: Evaluation of MR Imaging Grading Systems in Patients with Suspected Nasopharyngeal Carcinoma. <i>American Journal of Neuroradiology</i> , 2020, 41, 515-521.	2.4	20
116	Topologic Analysis of Plasma Mitochondrial DNA Reveals the Coexistence of Both Linear and Circular Molecules. <i>Clinical Chemistry</i> , 2019, 65, 1161-1170.	3.2	19
117	Applications of genetic-epigenetic tissue mapping for plasma DNA in prenatal testing, transplantation and oncology. <i>ELife</i> , 2021, 10, .	6.0	19
118	Ambient Temperature and Screening for Nasopharyngeal Cancer. <i>New England Journal of Medicine</i> , 2018, 378, 962-963.	27.0	18
119	Quantitative Analysis of Cell-Free Epstein-Barr Virus DNA in Plasma of Patients with Nonnasopharyngeal Head and Neck Carcinomas. <i>Clinical Cancer Research</i> , 2004, 10, 1726-1732.	7.0	17
120	COFFEE: control-free noninvasive fetal chromosomal examination using maternal plasma DNA. <i>Prenatal Diagnosis</i> , 2017, 37, 336-340.	2.3	17
121	Cytokine Profile in Fatal Human Immunodeficiency Virus-Tuberculosis- Epstein-Barr Virus-Associated Hemophagocytic Syndrome. <i>Archives of Internal Medicine</i> , 2007, 167, 1901.	3.8	16
122	Combined Count- and Size-Based Analysis of Maternal Plasma DNA for Noninvasive Prenatal Detection of Fetal Subchromosomal Aberrations Facilitates Elucidation of the Fetal and/or Maternal Origin of the Aberrations. <i>Clinical Chemistry</i> , 2017, 63, 495-502.	3.2	16
123	Distribution of Cell-Free and Cell-Associated Epstein-Barr Virus (EBV) DNA in the Blood of Patients with Nasopharyngeal Carcinoma and EBV-Associated Lymphoma. <i>Clinical Chemistry</i> , 2004, 50, 1842-1845.	3.2	15
124	Serum Amyloid A Is Not Useful in the Diagnosis of Severe Acute Respiratory Syndrome. <i>Clinical Chemistry</i> , 2006, 52, 1202-1204.	3.2	14
125	Gestational Age Assessment by Methylation and Size Profiling of Maternal Plasma DNA: A Feasibility Study. <i>Clinical Chemistry</i> , 2017, 63, 606-608.	3.2	14
126	Dynamic Changes of Post-Radiotherapy Plasma Epstein-Barr Virus DNA in a Randomized Trial of Adjuvant Chemotherapy Versus Observation in Nasopharyngeal Cancer. <i>Clinical Cancer Research</i> , 2021, 27, 2827-2836.	7.0	13

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127	A multicenter randomized controlled trial (RCT) of adjuvant chemotherapy (CT) in nasopharyngeal carcinoma (NPC) with residual plasma EBV DNA (EBV DNA) following primary radiotherapy (RT) or chemoradiation (CRT).. Journal of Clinical Oncology, 2017, 35, 6002-6002.	1.6	13
128	Scanning for Cancer Genomic Changes in Plasma: Toward an Era of Personalized Blood-Based Tumor Markers. Clinical Chemistry, 2013, 59, 1553-1555.	3.2	12
129	Effects of nucleases on cell-free extrachromosomal circular DNA. JCI Insight, 2022, 7, .	5.0	12
130	Fetal mitochondrial <sc>DNA</sc> in maternal plasma in surrogate pregnancies: Detection and topology. Prenatal Diagnosis, 2021, 41, 368-375.	2.3	11
131	Use of plasma DNA to predict mortality and need for intensive care in patients with abdominal pain. Clinica Chimica Acta, 2008, 398, 113-117.	1.1	10
132	Intravoxel incoherent motion diffusion-weighted imaging for discrimination of benign and malignant retropharyngeal nodes. Neuroradiology, 2020, 62, 1667-1676.	2.2	10
133	Sequencing Analysis of Plasma Epstein-Barr Virus DNA Reveals Nasopharyngeal Carcinoma-Associated Single Nucleotide Variant Profiles. Clinical Chemistry, 2020, 66, 598-605.	3.2	10
134	Cytokine responses in a severe case of glandular fever treated successfully with foscarnet combined with prednisolone and intravenous immunoglobulin. Journal of Medical Virology, 2009, 81, 99-105.	5.0	9
135	The impact of digital DNA counting technologies on noninvasive prenatal testing. Expert Review of Molecular Diagnostics, 2015, 15, 1261-1268.	3.1	9
136	Association Between Serum Folate Level and Toxicity of Capecitabine During Treatment for Colorectal Cancer. Oncologist, 2018, 23, 1436-1445.	3.7	9
137	Single Cell and Plasma RNA Sequencing for RNA Liquid Biopsy for Hepatocellular Carcinoma. Clinical Chemistry, 2021, 67, 1492-1502.	3.2	9
138	Restoration of the Oral Microbiota After Surgery for Head and Neck Squamous Cell Carcinoma Is Associated With Patient Outcomes. Frontiers in Oncology, 2021, 11, 737843.	2.8	9
139	Clinical Applications of Plasma Epstein-Barr Virus DNA Analysis and Protocols for the Quantitative Analysis of the Size of Circulating Epstein-Barr Virus DNA. , 2006, 336, 111-122.		8
140	<p>Correlations of health-related quality of life with serum inflammatory indicators IL-8 and mBI in patients with hepatocellular carcinoma</p>. Cancer Management and Research, 2019, Volume 11, 2719-2727.	1.9	8
141	Costâ€effectiveness of Screening for Nasopharyngeal Carcinoma among Asian American Men in the United States. Otolaryngology - Head and Neck Surgery, 2019, 161, 82-90.	1.9	8
142	Enrichment of fetal and maternal long cellâ€free DNA fragments from maternal plasma following DNA repair. Prenatal Diagnosis, 2019, 39, 88-99.	2.3	8
143	Toward harmonization of clinical molecular diagnostic reports: findings of an international survey. Clinical Chemistry and Laboratory Medicine, 2018, 57, 78-88.	2.3	7
144	Jagged Ends on Multinucleosomal Cell-Free DNA Serve as a Biomarker for Nuclease Activity and Systemic Lupus Erythematosus. Clinical Chemistry, 2022, 68, 917-926.	3.2	7

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145	Free Fetal DNA in Maternal Circulation. JAMA - Journal of the American Medical Association, 2004, 292, 2835.	7.4	6
146	Clinical Applications of the Latest Molecular Diagnostics in Noninvasive Prenatal Diagnosis. Topics in Current Chemistry, 2012, 336, 47-65.	4.0	6
147	Quality Materials for Quality Assurance in the Analysis of Liquid Biopsy Samples. Clinical Chemistry, 2017, 63, 1431-1432.	3.2	6
148	Quantitative T1Ï•MRI of the Head and Neck Discriminates Carcinoma and Benign Hyperplasia in the Nasopharynx. American Journal of Neuroradiology, 2020, 41, 2339-2344.	2.4	6
149	Detrimental Effect of Formaldehyde on Plasma RNA Detection. Clinical Chemistry, 2005, 51, 1074-1076.	3.2	5
150	Postâ€transplant EBVâ€related lymphoproliferative disorder complicating umbilical cord blood transplantation in patients of adrenoleukodystrophy. Pediatric Blood and Cancer, 2009, 53, 1329-1331.	1.5	5
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