

Dennis Lo

List of Publications by Year in descending order

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325
papers

35,908
citations

2544

96
h-index

3650

180
g-index

336
all docs

336
docs citations

336
times ranked

21392
citing authors

#	ARTICLE	IF	CITATIONS
1	Presence of fetal DNA in maternal plasma and serum. Lancet, The, 1997, 350, 485-487.	13.7	2,657
2	Quantitative Analysis of Fetal DNA in Maternal Plasma and Serum: Implications for Noninvasive Prenatal Diagnosis. American Journal of Human Genetics, 1998, 62, 768-775.	6.2	1,512
3	Rapid Clearance of Fetal DNA from Maternal Plasma. American Journal of Human Genetics, 1999, 64, 218-224.	6.2	1,006
4	Maternal Plasma DNA Sequencing Reveals the Genome-Wide Genetic and Mutational Profile of the Fetus. Science Translational Medicine, 2010, 2, 61ra91.	12.4	878
5	Noninvasive prenatal diagnosis of fetal chromosomal aneuploidy by massively parallel genomic sequencing of DNA in maternal plasma. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 20458-20463.	7.1	809
6	Detection and Characterization of Placental MicroRNAs in Maternal Plasma. Clinical Chemistry, 2008, 54, 482-490.	3.2	775
7	Prenatal Diagnosis of Fetal RhD Status by Molecular Analysis of Maternal Plasma. New England Journal of Medicine, 1998, 339, 1734-1738.	27.0	676
8	Non-invasive prenatal assessment of trisomy 21 by multiplexed maternal plasma DNA sequencing: large scale validity study. BMJ: British Medical Journal, 2011, 342, c7401-c7401.	2.3	641
9	Plasma DNA tissue mapping by genome-wide methylation sequencing for noninvasive prenatal, cancer, and transplantation assessments. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E5503-12.	7.1	579
10	Lengthening and shortening of plasma DNA in hepatocellular carcinoma patients. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E1317-25.	7.1	543
11	Stability of Endogenous and Added RNA in Blood Specimens, Serum, and Plasma. Clinical Chemistry, 2002, 48, 1647-1653.	3.2	536
12	Analysis of Plasma Epstein-Barr Virus DNA to Screen for Nasopharyngeal Cancer. New England Journal of Medicine, 2017, 377, 513-522.	27.0	531
13	Effects of early corticosteroid treatment on plasma SARS-associated Coronavirus RNA concentrations in adult patients. Journal of Clinical Virology, 2004, 31, 304-309.	3.1	516
14	Size Distributions of Maternal and Fetal DNA in Maternal Plasma. Clinical Chemistry, 2004, 50, 88-92.	3.2	512
15	Predominant Hematopoietic Origin of Cell-free DNA in Plasma and Serum after Sex-mismatched Bone Marrow Transplantation. Clinical Chemistry, 2002, 48, 421-427.	3.2	483
16	Quantitative Abnormalities of Fetal DNA in Maternal Serum in Preeclampsia. Clinical Chemistry, 1999, 45, 184-188.	3.2	468
17	Microfluidics Digital PCR Reveals a Higher than Expected Fraction of Fetal DNA in Maternal Plasma. Clinical Chemistry, 2008, 54, 1664-1672.	3.2	396
18	Digital PCR for the molecular detection of fetal chromosomal aneuploidy. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 13116-13121.	7.1	387

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19	Plasma Epstein-Barr Virus DNA and Residual Disease After Radiotherapy for Undifferentiated Nasopharyngeal Carcinoma. <i>Journal of the National Cancer Institute</i> , 2002, 94, 1614-1619.	6.3	384
20	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
21	mRNA of placental origin is readily detectable in maternal plasma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 4748-4753.	7.1	363
22	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
23	Plasma placental RNA allelic ratio permits noninvasive prenatal chromosomal aneuploidy detection. <i>Nature Medicine</i> , 2007, 13, 218-223.	30.7	359
24	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
25	Effects of Blood-Processing Protocols on Fetal and Total DNA Quantification in Maternal Plasma. <i>Clinical Chemistry</i> , 2001, 47, 1607-1613.	3.2	330
26	Plasma DNA as a Prognostic Marker in Trauma Patients. <i>Clinical Chemistry</i> , 2000, 46, 319-323.	3.2	328
27	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
28	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
29	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
30	Detection of the placental epigenetic signature of the maspin gene in maternal plasma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 14753-14758.	7.1	307
31	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
32	Prenatal exclusion of β^0 thalassaemia major by examination of maternal plasma. <i>Lancet</i> , The, 2002, 360, 998-1000.	13.7	267
33	Presence of donor-specific DNA in plasma of kidney and liver-transplant recipients. <i>Lancet</i> , The, 1998, 351, 1329-1330.	13.7	266
34	Prognostic Use of Circulating Plasma Nucleic Acid Concentrations in Patients with Acute Stroke. <i>Clinical Chemistry</i> , 2003, 49, 562-569.	3.2	265
35	Epigenetics, fragmentomics, and topology of cell-free DNA in liquid biopsies. <i>Science</i> , 2021, 372, .	12.6	263
36	Presence of Fetal RNA in Maternal Plasma. <i>Clinical Chemistry</i> , 2000, 46, 1832-1834.	3.2	258

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37	Presence of Filterable and Nonfilterable mRNA in the Plasma of Cancer Patients and Healthy Individuals. <i>Clinical Chemistry</i> , 2002, 48, 1212-1217.	3.2	255
38	Maternal plasma fetal DNA as a marker for preterm labour. <i>Lancet</i> , The, 1998, 352, 1904-1905.	13.7	247
39	Noninvasive Prenatal Diagnosis of Fetal Trisomy 18 and Trisomy 13 by Maternal Plasma DNA Sequencing. <i>PLoS ONE</i> , 2011, 6, e21791.	2.5	243
40	Integrative single-cell and cell-free plasma RNA transcriptomics elucidates placental cellular dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E7786-E7795.	7.1	242
41	The Long and Short of Circulating Cell-Free DNA and the Ins and Outs of Molecular Diagnostics. <i>Trends in Genetics</i> , 2016, 32, 360-371.	6.7	240
42	Detection of SARS Coronavirus RNA in the Cerebrospinal Fluid of a Patient with Severe Acute Respiratory Syndrome. <i>Clinical Chemistry</i> , 2003, 49, 2108-2109.	3.2	233
43	Size-based molecular diagnostics using plasma DNA for noninvasive prenatal testing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 8583-8588.	7.1	233
44	Noninvasive prenatal diagnosis of hemophilia by microfluidics digital PCR analysis of maternal plasma DNA. <i>Blood</i> , 2011, 117, 3684-3691.	1.4	232
45	Increased Maternal Plasma Fetal DNA Concentrations in Women Who Eventually Develop Preeclampsia.. <i>Clinical Chemistry</i> , 2001, 47, 137-139.	3.2	211
46	High-Resolution Profiling of Fetal DNA Clearance from Maternal Plasma by Massively Parallel Sequencing. <i>Clinical Chemistry</i> , 2013, 59, 1228-1237.	3.2	202
47	Early diagnosis of SARS Coronavirus infection by real time RT-PCR. <i>Journal of Clinical Virology</i> , 2003, 28, 233-238.	3.1	194
48	MS analysis of single-nucleotide differences in circulating nucleic acids: Application to noninvasive prenatal diagnosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 10762-10767.	7.1	193
49	Predominant hematopoietic origin of cell-free DNA in plasma and serum after sex-mismatched bone marrow transplantation. <i>Clinical Chemistry</i> , 2002, 48, 421-7.	3.2	193
50	Differential DNA Methylation between Fetus and Mother as a Strategy for Detecting Fetal DNA in Maternal Plasma. <i>Clinical Chemistry</i> , 2002, 48, 35-41.	3.2	181
51	Quantitative Analysis of Circulating Mitochondrial DNA in Plasma. <i>Clinical Chemistry</i> , 2003, 49, 719-726.	3.2	181
52	Molecular characterization of circulating EBV DNA in the plasma of nasopharyngeal carcinoma and lymphoma patients. <i>Cancer Research</i> , 2003, 63, 2028-32.	0.9	181
53	Male microchimerism in healthy women and women with scleroderma: cells or circulating DNA? A quantitative answer. <i>Blood</i> , 2002, 100, 2845-2851.	1.4	179
54	Time Course of Early and Late Changes in Plasma DNA in Trauma Patients. <i>Clinical Chemistry</i> , 2003, 49, 1286-1291.	3.2	179

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55	Prenatal diagnosis: progress through plasma nucleic acids. <i>Nature Reviews Genetics</i> , 2007, 8, 71-77.	16.3	176
56	Effects of Preanalytical Factors on the Molecular Size of Cell-Free DNA in Blood. <i>Clinical Chemistry</i> , 2005, 51, 781-784.	3.2	172
57	Tissue and cellular tropism of the coronavirus associated with severe acute respiratory syndrome: an in-situ hybridization study of fatal cases. <i>Journal of Pathology</i> , 2004, 202, 157-163.	4.5	168
58	The Concentration of Circulating Corticotropin-releasing Hormone mRNA in Maternal Plasma Is Increased in Preeclampsia. <i>Clinical Chemistry</i> , 2003, 49, 727-731.	3.2	161
59	Orientation-aware plasma cell-free DNA fragmentation analysis in open chromatin regions informs tissue of origin. <i>Genome Research</i> , 2019, 29, 418-427.	5.5	159
60	EDTA Is a Better Anticoagulant than Heparin or Citrate for Delayed Blood Processing for Plasma DNA Analysis. <i>Clinical Chemistry</i> , 2004, 50, 256-257.	3.2	158
61	Noninvasive Prenatal Diagnosis of Monogenic Diseases by Targeted Massively Parallel Sequencing of Maternal Plasma: Application to β^2 -Thalassemia. <i>Clinical Chemistry</i> , 2012, 58, 1467-1475.	3.2	157
62	Noninvasive Prenatal Detection of Fetal Trisomy 18 by Epigenetic Allelic Ratio Analysis in Maternal Plasma: Theoretical and Empirical Considerations. <i>Clinical Chemistry</i> , 2006, 52, 2194-2202.	3.2	156
63	Diagnostic developments involving cell-free (circulating) nucleic acids. <i>Clinica Chimica Acta</i> , 2006, 363, 187-196.	1.1	155
64	Pretherapy quantitative measurement of circulating Epstein-Barr virus DNA is predictive of posttherapy distant failure in patients with early-stage nasopharyngeal carcinoma of undifferentiated type. <i>Cancer</i> , 2003, 98, 288-291.	4.1	154
65	Plasma DNA End-Motif Profiling as a Fragmentomic Marker in Cancer, Pregnancy, and Transplantation. <i>Cancer Discovery</i> , 2020, 10, 664-673.	9.4	152
66	Circulating nucleic acids in plasma/serum. <i>Pathology</i> , 2007, 39, 197-207.	0.6	151
67	An International Collaboration to Harmonize the Quantitative Plasma Epstein-Barr Virus DNA Assay for Future Biomarker-Guided Trials in Nasopharyngeal Carcinoma. <i>Clinical Cancer Research</i> , 2013, 19, 2208-2215.	7.0	149
68	Quantitative Analysis and Prognostic Implication of SARS Coronavirus RNA in the Plasma and Serum of Patients with Severe Acute Respiratory Syndrome. <i>Clinical Chemistry</i> , 2003, 49, 1976-1980.	3.2	148
69	Analysis of Plasma Epstein-Barr Virus DNA in Nasopharyngeal Cancer After Chemoradiation to Identify High-Risk Patients for Adjuvant Chemotherapy: A Randomized Controlled Trial. <i>Journal of Clinical Oncology</i> , 2018, 36, 3091-3100.	1.6	147
70	Host-response biomarkers for diagnosis of late-onset septicemia and necrotizing enterocolitis in preterm infants. <i>Journal of Clinical Investigation</i> , 2010, 120, 2989-3000.	8.2	146
71	Noninvasive Prenatal Exclusion of Congenital Adrenal Hyperplasia by Maternal Plasma Analysis: A Feasibility Study. <i>Clinical Chemistry</i> , 2002, 48, 778-780.	3.2	145
72	Second generation noninvasive fetal genome analysis reveals de novo mutations, single-base parental inheritance, and preferred DNA ends. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E8159-E8168.	7.1	142

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73	Quantitative Analysis of Circulating Methylated DNA as a Biomarker for Hepatocellular Carcinoma. <i>Clinical Chemistry</i> , 2008, 54, 1528-1536.	3.2	141
74	Preferred end coordinates and somatic variants as signatures of circulating tumor DNA associated with hepatocellular carcinoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E10925-E10933.	7.1	140
75	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
76	The 3a protein of severe acute respiratory syndrome-associated coronavirus induces apoptosis in Vero E6 cells. <i>Journal of General Virology</i> , 2005, 86, 1921-1930.	2.9	135
77	Plasma Nucleic Acids in the Diagnosis and Management of Malignant Disease. <i>Clinical Chemistry</i> , 2002, 48, 1186-1193.	3.2	134
78	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
79	Noninvasive Prenatal Methylomic Analysis by Genomewide Bisulfite Sequencing of Maternal Plasma DNA. <i>Clinical Chemistry</i> , 2013, 59, 1583-1594.	3.2	131
80	Hypermethylation of RASSF1A in Human and Rhesus Placentas. <i>American Journal of Pathology</i> , 2007, 170, 941-950.	3.8	128
81	The Biology of Cell-free DNA Fragmentation and the Roles of DNASE1, DNASE1L3, and DFFB. <i>American Journal of Human Genetics</i> , 2020, 106, 202-214.	6.2	127
82	Phase II Study of Neoadjuvant Carboplatin and Paclitaxel Followed by Radiotherapy and Concurrent Cisplatin in Patients With Locoregionally Advanced Nasopharyngeal Carcinoma: Therapeutic Monitoring With Plasma Epstein-Barr Virus DNA. <i>Journal of Clinical Oncology</i> , 2004, 22, 3053-3060.	1.6	125
83	Maternal Plasma DNA Analysis with Massively Parallel Sequencing by Ligation for Noninvasive Prenatal Diagnosis of Trisomy 21. <i>Clinical Chemistry</i> , 2010, 56, 459-463.	3.2	125
84	Systematic Search for Placental DNA-Methylation Markers on Chromosome 21: Toward a Maternal Plasma-Based Epigenetic Test for Fetal Trisomy 21. <i>Clinical Chemistry</i> , 2008, 54, 500-511.	3.2	123
85	Fetal DNA Clearance from Maternal Plasma Is Impaired in Preeclampsia. <i>Clinical Chemistry</i> , 2002, 48, 2141-2146.	3.2	118
86	Noninvasive Prenatal Detection of Trisomy 21 by an Epigenetic-Genetic Chromosome-Dosage Approach. <i>Clinical Chemistry</i> , 2010, 56, 90-98.	3.2	115
87	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
88	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
89	Cell-Free DNA in Serum and Plasma: Comparison of ELISA and Quantitative PCR. <i>Clinical Chemistry</i> , 2005, 51, 1544-1546.	3.2	111
90	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

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91	Size-tagged preferred ends in maternal plasma DNA shed light on the production mechanism and show utility in noninvasive prenatal testing. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E5106-E5114.	7.1	107
92	Identification and characterization of extrachromosomal circular DNA in maternal plasma. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 1658-1665.	7.1	106
93	Circulating biomarkers in the diagnosis and management of hepatocellular carcinoma. Nature Reviews Gastroenterology and Hepatology, 2022, 19, 670-681.	17.8	106
94	Improved Accuracy of Detection of Nasopharyngeal Carcinoma by Combined Application of Circulating Epstein-Barr Virus DNA and Anti-Epstein-Barr Viral Capsid Antigen IgA Antibody. Clinical Chemistry, 2004, 50, 339-345.	3.2	105
95	Quantification of Plasma β -Catenin mRNA in Colorectal Cancer and Adenoma Patients. Clinical Cancer Research, 2004, 10, 1613-1617.	7.0	105
96	Relationship between pretreatment level of plasma Epstein-Barr virus DNA, tumor burden, and metabolic activity in advanced nasopharyngeal carcinoma. International Journal of Radiation Oncology Biology Physics, 2006, 66, 714-720.	0.8	105
97	Plasma DNA aberrations in systemic lupus erythematosus revealed by genomic and methylomic sequencing. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E5302-11.	7.1	105
98	Presence of Donor- and Recipient-derived DNA in Cell-free Urine Samples of Renal Transplantation Recipients: Urinary DNA Chimerism. Clinical Chemistry, 1999, 45, 1741-1746.	3.2	104
99	Nonhematopoietically Derived DNA Is Shorter than Hematopoietically Derived DNA in Plasma: A Transplantation Model. Clinical Chemistry, 2012, 58, 549-558.	3.2	103
100	Quantitative analysis of circulating cell-free Epstein-Barr virus (EBV) DNA levels in patients with EBV-associated lymphoid malignancies. British Journal of Haematology, 2000, 111, 239-246.	2.5	102
101	Prenatal Diagnosis Innovation: Genome Sequencing of Maternal Plasma. Annual Review of Medicine, 2016, 67, 419-432.	12.2	97
102	Plasma Mitochondrial DNA Concentrations after Trauma. Clinical Chemistry, 2004, 50, 213-216.	3.2	95
103	Non-invasive prenatal diagnosis by single molecule counting technologies. Trends in Genetics, 2009, 25, 324-331.	6.7	95
104	Maternal Plasma Fetal DNA Fractions in Pregnancies with Low and High Risks for Fetal Chromosomal Aneuploidies. PLoS ONE, 2014, 9, e88484.	2.5	92
105	Fetal Cell-free Plasma DNA Concentrations in Maternal Blood Are Stable 24 Hours after Collection: Analysis of First- and Third-Trimester Samples. Clinical Chemistry, 2003, 49, 195-198.	3.2	91
106	Universal Haplotype-Based Noninvasive Prenatal Testing for Single Gene Diseases. Clinical Chemistry, 2017, 63, 513-524.	3.2	89
107	High Resolution Size Analysis of Fetal DNA in the Urine of Pregnant Women by Paired-End Massively Parallel Sequencing. PLoS ONE, 2012, 7, e48319.	2.5	86
108	Serum Proteomic Fingerprints of Adult Patients with Severe Acute Respiratory Syndrome. Clinical Chemistry, 2006, 52, 421-429.	3.2	83

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109	A phase II study of patients with metastatic or locoregionally recurrent nasopharyngeal carcinoma and evaluation of plasma Epstein-Barr virus DNA as a biomarker of efficacy. <i>Cancer Chemotherapy and Pharmacology</i> , 2008, 62, 59-64.	2.3	82
110	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
111	ACE2 Gene Polymorphisms Do Not Affect Outcome of Severe Acute Respiratory Syndrome. <i>Clinical Chemistry</i> , 2004, 50, 1683-1686.	3.2	76
112	Noninvasive twin zygosity assessment and aneuploidy detection by maternal plasma DNA sequencing. <i>Prenatal Diagnosis</i> , 2013, 33, 675-681.	2.3	75
113	Noninvasive Prenatal Molecular Karyotyping from Maternal Plasma. <i>PLoS ONE</i> , 2013, 8, e60968.	2.5	70
114	Origin of Plasma Cell-free DNA after Solid Organ Transplantation. <i>Clinical Chemistry</i> , 2003, 49, 495-496.	3.2	69
115	Coronavirus Genomic-Sequence Variations and the Epidemiology of the Severe Acute Respiratory Syndrome. <i>New England Journal of Medicine</i> , 2003, 349, 187-188.	27.0	68
116	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
117	Non-invasive prenatal diagnosis by fetal nucleic acid analysis in maternal plasma: the coming of age. <i>Seminars in Fetal and Neonatal Medicine</i> , 2011, 16, 88-93.	2.3	67
118	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
119	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
120	The Nexus of cfDNA and Nuclease Biology. <i>Trends in Genetics</i> , 2021, 37, 758-770.	6.7	66
121	<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
122	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
123	Circulating Nucleic Acids in Plasma and Serum: An Overview. <i>Annals of the New York Academy of Sciences</i> , 2001, 945, 1-7.	3.8	64
124	Noninvasive Prenatal Determination of Twin Zygosity by Maternal Plasma DNA Analysis. <i>Clinical Chemistry</i> , 2013, 59, 427-435.	3.2	64
125	Noninvasive Prenatal Diagnosis of Fetal Chromosomal Aneuploidies by Maternal Plasma Nucleic Acid Analysis. <i>Clinical Chemistry</i> , 2008, 54, 461-466.	3.2	63
126	Genomic Analysis of Fetal Nucleic Acids in Maternal Blood. <i>Annual Review of Genomics and Human Genetics</i> , 2012, 13, 285-306.	6.2	63

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127	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
128	Fetomaternal Cellular and Plasma DNA Trafficking. <i>Annals of the New York Academy of Sciences</i> , 2001, 945, 119-131.	3.8	62
129	Prenatal detection of fetal Down's syndrome from maternal plasma. <i>Lancet, The</i> , 2000, 356, 1819-1820.	13.7	61
130	Detection and characterization of jagged ends of double-stranded DNA in plasma. <i>Genome Research</i> , 2020, 30, 1144-1153.	5.5	61
131	Circulating Corticotropin-Releasing Hormone mRNA in Maternal Plasma: Relationship with Gestational Age and Severity of Preeclampsia. <i>Clinical Chemistry</i> , 2004, 50, 1851-1854.	3.2	60
132	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
133	Genomewide bisulfite sequencing reveals the origin and time-dependent fragmentation of urinary cfDNA. <i>Clinical Biochemistry</i> , 2017, 50, 496-501.	1.9	60
134	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
135	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
136	Fifty Years of Molecular (DNA/RNA) Diagnostics. <i>Clinical Chemistry</i> , 2005, 51, 661-671.	3.2	58
137	Noninvasive Prenatal Screening for Genetic Diseases Using Massively Parallel Sequencing of Maternal Plasma DNA. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2015, 5, a023085.	6.2	58
138	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
139	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
140	Quantitative Analysis of Epsteinâ€“Barr Virus DNA in Plasma and Serum. <i>Annals of the New York Academy of Sciences</i> , 2001, 945, 68-72.	3.8	57
141	Synergy of Total PLAC4 RNA Concentration and Measurement of the RNA Single-Nucleotide Polymorphism Allelic Ratio for the Noninvasive Prenatal Detection of Trisomy 21. <i>Clinical Chemistry</i> , 2010, 56, 73-81.	3.2	57
142	Differential DNA methylation between fetus and mother as a strategy for detecting fetal DNA in maternal plasma. <i>Clinical Chemistry</i> , 2002, 48, 35-41.	3.2	56
143	Methy-Pipe: An Integrated Bioinformatics Pipeline for Whole Genome Bisulfite Sequencing Data Analysis. <i>PLoS ONE</i> , 2014, 9, e100360.	2.5	54
144	Plasma Epsteinâ€“Barr virus DNA as an archetypal circulating tumour DNA marker. <i>Journal of Pathology</i> , 2019, 247, 641-649.	4.5	53

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145	Fetal RhD genotyping from maternal plasma. <i>Annals of Medicine</i> , 1999, 31, 308-312.	3.8	52
146	Lack of Dramatic Enrichment of Fetal DNA in Maternal Plasma by Formaldehyde Treatment. <i>Clinical Chemistry</i> , 2005, 51, 655-658.	3.2	52
147	Methylation analysis of plasma DNA informs etiologies of Epstein-Barr virus-associated diseases. <i>Nature Communications</i> , 2019, 10, 3256.	12.8	52
148	Noninvasive detection of F8 int22h-related inversions and sequence variants in maternal plasma of hemophilia carriers. <i>Blood</i> , 2017, 130, 340-347.	1.4	51
149	Recent Advances in Fetal Nucleic Acids in Maternal Plasma. <i>Journal of Histochemistry and Cytochemistry</i> , 2005, 53, 293-296.	2.5	50
150	Genome-wide expression analysis using microarray identified complex signaling pathways modulated by hypoxia in nasopharyngeal carcinoma. <i>Cancer Letters</i> , 2007, 253, 74-88.	7.2	50
151	Non-invasive prenatal testing using massively parallel sequencing of maternal plasma DNA: from molecular karyotyping to fetal whole-genome sequencing. <i>Reproductive BioMedicine Online</i> , 2013, 27, 593-598.	2.4	48
152	Investigation into the Origin and Tumoral Mass Correlation of Plasma Epstein-Barr Virus DNA in Nasopharyngeal Carcinoma. <i>Clinical Chemistry</i> , 2005, 51, 2192-2195.	3.2	46
153	Time Profile of Appearance and Disappearance of Circulating Placenta-Derived mRNA in Maternal Plasma. <i>Clinical Chemistry</i> , 2006, 52, 313-316.	3.2	46
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