David S Cram

List of Publications by Year
in descending order

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60 papers	2,041 citations	236925 25 h-index	265206 42 g-index
61 all docs	61 docs citations	61 times ranked	2005 citing authors

#	Article	IF	Citations
1	Maternal Mosaicism Is a Significant Contributor to Discordant Sex Chromosomal Aneuploidies Associated with Noninvasive Prenatal Testing. Clinical Chemistry, 2014, 60, 251-259.	3.2	235
2	Clinical utility of noninvasive prenatal screening for expanded chromosome disease syndromes. Genetics in Medicine, 2019, 21, 1998-2006.	2.4	158
3	Copy Number Variation Sequencing for Comprehensive Diagnosis of Chromosome Disease Syndromes. Journal of Molecular Diagnostics, 2014, 16, 519-526.	2.8	106
4	Birth of a healthy infant following trophectoderm biopsy from blastocysts for PGD of Î²-thalassaemia major: Case report. Human Reproduction, 2005, 20, 1855-1859.	0.9	94
5	Noninvasive Prenatal Testing for Wilson Disease by Use of Circulating Single-Molecule Amplification and Resequencing Technology (cSMART). Clinical Chemistry, 2015, 61, 172-181.	3.2	85
6	PGDIS Position Statement on the Transfer of Mosaic Embryos 2019. Reproductive BioMedicine Online, 2019, 39, e1-e4.	2.4	78
7	Identification of copy number variations associated with congenital heart disease by chromosomal microarray analysis and nextâ€generation sequencing. Prenatal Diagnosis, 2016, 36, 321-327.	2.3	73
8	Prospective chromosome analysis of 3429 amniocentesis samples in China using copy number variation sequencing. American Journal of Obstetrics and Gynecology, 2018, 219, 287.e1-287.e18.	1.3	71
9	Issues and concerns of couples presenting for preimplantation genetic diagnosis (PGD). Prenatal Diagnosis, 2002, 22, 1117-1122.	2.3	65
10	A More Universal Approach to Comprehensive Analysis of Thalassemia Alleles (CATSA). Journal of Molecular Diagnostics, 2021, 23, 1195-1204.	2.8	55
11	Two cases of placental T21 mosaicism: challenging the detection limits of nonâ€invasive prenatal testing. Prenatal Diagnosis, 2013, 33, 1207-1210.	2.3	52
12	Confined placental origin of the circulating cell free fetal DNA revealed by a discordant non-invasive prenatal test result in a trisomy 18 pregnancy. Clinica Chimica Acta, 2014, 433, 190-193.	1.1	52
13	Detection and quantitation of chromosomal mosaicism in human blastocysts using copy number variation sequencing. Prenatal Diagnosis, 2016, 36, 154-162.	2.3	49
14	Long-Molecule Sequencing. Journal of Molecular Diagnostics, 2020, 22, 1087-1095.	2.8	49
15	High levels of circulating cellâ€free <scp>DNA</scp> are a biomarker of active <scp>SLE</scp>. European Journal of Clinical Investigation, 2018, 48, e13015.	3.4	45
16	Clinical application of next-generation sequencing in preimplantation genetic diagnosis cycles for Robertsonian and reciprocal translocations. Journal of Assisted Reproduction and Genetics, 2016, 33, 899-906.	2.5	43
17	Validation of Copy Number Variation Sequencing for Detecting Chromosome Imbalances in Human Preimplantation Embryos1. Biology of Reproduction, 2014, 91, 37.	2.7	41
18	Molecular analysis of DNA in blastocoele fluid using next-generation sequencing. Journal of Assisted Reproduction and Genetics, 2016, 33, 637-645.	2.5	40

#	Article	IF	Citations
19	PGDIS position statement on the transfer of mosaic embryos 2021. Reproductive BioMedicine Online, 2022, 45, 19-25.	2.4	39
20	Maternal X chromosome copy number variations are associated with discordant fetal sex chromosome aneuploidies detected by noninvasive prenatal testing. Clinica Chimica Acta, 2015, 444, 113-116.	1.1	34
21	A quantitative cSMART assay for noninvasive prenatal screening of autosomal recessive nonsyndromic hearing loss caused by GJB2 and SLC26A4 mutations. Genetics in Medicine, 2017, 19, 1309-1316.	2.4	33
22	The Performance of Whole Genome Amplification Methods andÂNext-Generation Sequencing for Pre-Implantation Genetic Diagnosis of Chromosomal Abnormalities. Journal of Genetics and Genomics, 2015, 42, 151-159.	3.9	32
23	Contribution of maternal copy number variations to falseâ€positive fetal trisomies detected by noninvasive prenatal testing. Prenatal Diagnosis, 2017, 37, 318-322.	2.3	31
24	Characterization of chromosomal abnormalities in pregnancy losses reveals critical genes and loci for human early development. Human Mutation, 2017, 38, 669-677.	2.5	28
25	Clinical application of singleâ€molecule optical mapping to a multigeneration FSHD1 pedigree. Molecular Genetics & Genomic Medicine, 2019, 7, e565.	1.2	27
26	A comparative study of EGFR oncogenic mutations in matching tissue and plasma samples from patients with advanced non-small cell lung carcinoma. Clinica Chimica Acta, 2016, 457, 106-111.	1.1	26
27	The clinical utility of next-generation sequencing for identifying chromosome disease syndromes in human embryos. Reproductive BioMedicine Online, 2015, 31, 62-70.	2.4	25
28	Analysis of balanced reciprocal translocations in patients with subfertility using single-molecule optical mapping. Journal of Assisted Reproduction and Genetics, 2020, 37, 509-516.	2.5	25
29	Preferential selection and transfer of euploid noncarrier embryos in preimplantation genetic diagnosis cycles for reciprocal translocations. Fertility and Sterility, 2017, 108, 620-627.e4.	1.0	23
30	Variant haplophasing by long-read sequencing: a new approach to preimplantation genetic testing workups. Fertility and Sterility, 2021, 116, 774-783.	1.0	21
31	Non-invasive prenatal testing of pregnancies at risk for phenylketonuria. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2019, 104, F24-F29.	2.8	20
32	Application of Single-Molecule Amplification and Resequencing Technology for Broad Surveillance of Plasma Mutations in Patients with Advanced Lung Adenocarcinoma. Journal of Molecular Diagnostics, 2017, 19, 169-181.	2.8	19
33	The potential of expanded noninvasive prenatal screening for detection of microdeletion and microduplication syndromes. Prenatal Diagnosis, 2021, 41, 1332-1342.	2.3	19
34	A pregnancy with discordant fetal and placental chromosome 18 aneuploidies revealed by invasive and noninvasive prenatal diagnosis. Reproductive BioMedicine Online, 2014, 29, 136-139.	2.4	18
35	Detection of Chromosomal Aneuploidy in Human Preimplantation Embryos by Next-Generation Sequencing1. Biology of Reproduction, 2014, 90, 95.	2.7	18
36	Quantitation of fetal DNA fraction in maternal plasma using circulating single molecule amplification and re-sequencing technology (cSMART). Clinica Chimica Acta, 2016, 456, 151-156.	1.1	18

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37	Third-generation sequencing: any future opportunities for PGT?. Journal of Assisted Reproduction and Genetics, 2021, 38, 357-364.	2.5	18
38	Feasibility of noninvasive prenatal testing for common fetal aneuploidies in an early gestational window. Clinica Chimica Acta, 2015, 439, 24-28.	1.1	16
39	Development and validation of a fetal genotyping assay with potential for noninvasive prenatal diagnosis of hereditary hearing loss. Prenatal Diagnosis, 2016, 36, 1233-1241.	2.3	16
40	IVF embryo choices and pregnancy outcomes. Prenatal Diagnosis, 2021, 41, 1709-1717.	2.3	14
41	Molecular characterization of a novel ring 6 chromosome using next generation sequencing. Molecular Cytogenetics, 2016, 9, 33.	0.9	13
42	Comprehensive profiling and quantitation of oncogenic mutations in non small-cell lung carcinoma using single molecule amplification and re-sequencing technology. Oncotarget, 2016, 7, 50477-50489.	1.8	12
43	Noninvasive prenatal diagnosis for pregnancies at risk for Î²â€thalassaemia: a retrospective study. BJOG: an International Journal of Obstetrics and Gynaecology, 2021, 128, 448-457.	2.3	12
44	Next generation sequencing: Coping with rare genetic diseases in China. Intractable and Rare Diseases Research, 2016, 5, 140-144.	0.9	11
45	Noninvasive fetal genotyping in pregnancies at risk for PKU using a comprehensive quantitative cSMART assay for PAH gene mutations: a clinical feasibility study. BJOG: an International Journal of Obstetrics and Gynaecology, 2019, 126, 1466-1474.	2.3	11
46	Genetic profiling of primary and secondary tumors from patients with lung adenocarcinoma and bone metastases reveals targeted therapy options. Molecular Medicine, 2020, 26, 88.	4.4	11
47	Copy number variation sequencingâ€based prenatal diagnosis using cellâ€free fetal DNA in amniotic fluid. Prenatal Diagnosis, 2016, 36, 576-583.	2.3	9
48	A PGD Pregnancy Achieved by Embryo Copy Number Variation Sequencing with Confirmation by Non-Invasive Prenatal Diagnosis. Journal of Genetics and Genomics, 2014, 41, 453-456.	3.9	6
49	Potential of syncytiotrophoblasts isolated from the cervical mucus for early non-invasive prenatal diagnosis: Evidence of a vanishing twin. Clinica Chimica Acta, 2015, 438, 309-315.	1.1	6
50	A Rapid PCR-Free Next-Generation Sequencing Method for the Detection of Copy Number Variations in Prenatal Samples. Life, 2021, 11, 98.	2.4	6
51	Genetic screening of infertile men. Reproduction, Fertility and Development, 2004, 16, 573-80.	0.4	6
52	Single-Molecule Sequencing. Journal of Molecular Diagnostics, 2020, 22, 220-227.	2.8	5
53	Low-depth whole genome sequencing reveals copy number variations associated with higher pathologic grading and more aggressive subtypes of lung non-mucinous adenocarcinoma. Chinese Journal of Cancer Research: Official Journal of China Anti-Cancer Association, Beijing Institute for Cancer Research, 2020, 32, 334-346.	2.2	5
54	A novel MSX1 intronic mutation associated with autosomal dominant non-syndromic oligodontia in a large Chinese family pedigree. Clinica Chimica Acta, 2016, 461, 135-140.	1.1	4

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55	A comprehensive multiplex PCR based exome-sequencing assay for rapid bloodspot confirmation of inborn errors of metabolism. BMC Medical Genetics, 2019, 20, 3.	2.1	4
56	REDBot: Natural language process methods for clinical copy number variation reporting in prenatal and products of conception diagnosis. Molecular Genetics & Genomic Medicine, 2020, 8, e1488.	1.2	3
57	Cell-free DNA test for pathogenic copy number variations: A retrospective study. Taiwanese Journal of Obstetrics and Gynecology, 2021, 60, 1066-1071.	1.3	2
58	PGTâ€A: The biology and hidden failures of randomized control trials. Prenatal Diagnosis, 2022, 42, 1211-1221.	2.3	2
59	Gene expression in human oocytes. , 0, , 285-296.		1
60	Cruxome: a powerful tool for annotating, interpreting and reporting genetic variants. BMC Genomics, 2021, 22, 407.	2.8	1