

Suk Hang Cheng

List of Publications by Year in descending order

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papers

4,285
citations

147726

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all docs

66
docs citations

66
times ranked

5650
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	3.3	579
2	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.	3.3	543
3	Sirtuin 1 Is Upregulated in a Subset of Hepatocellular Carcinomas where It Is Essential for Telomere Maintenance and Tumor Cell Growth. Cancer Research, 2011, 71, 4138-4149.	0.4	189
4	Orientation-aware plasma cell-free DNA fragmentation analysis in open chromatin regions informs tissue of origin. Genome Research, 2019, 29, 418-427.	2.4	159
5	<scp>HLA</scp>â€œ<scp>B</scp> alleles associated with severe cutaneous reactions to antiepileptic drugs in <scp>H</scp>an <scp>C</scp>hinese. Epilepsia, 2013, 54, 1307-1314.	2.6	155
6	Plasma DNA End-Motif Profiling as a Fragmentomic Marker in Cancer, Pregnancy, and Transplantation. Cancer Discovery, 2020, 10, 664-673.	7.7	152
7	Association of Humanâ€œLeukocyteâ€œAntigen Class I (B*0703) and Class II (DRB1*0301) Genotypes with Susceptibility and Resistance to the Development of Severe Acute Respiratory Syndrome. Journal of Infectious Diseases, 2004, 190, 515-518.	1.9	150
8	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.	3.3	142
9	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.	3.3	140
10	<i>Dnase1l3</i> deletion causes aberrations in length and end-motif frequencies in plasma DNA. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 641-649.	3.3	134
11	Increase in circulating Foxp3+CD4+CD25high regulatory T cells in nasopharyngeal carcinoma patients. British Journal of Cancer, 2007, 96, 617-622.	2.9	128
12	KRAB Zinc Finger Protein ZNF382 Is a Proapoptotic Tumor Suppressor That Represses Multiple Oncogenes and Is Commonly Silenced in Multiple Carcinomas. Cancer Research, 2010, 70, 6516-6526.	0.4	116
13	Sequencing-based counting and size profiling of plasma Epsteinâ€œBarr virus DNA enhance population screening of nasopharyngeal carcinoma. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E5115-E5124.	3.3	114
14	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.	3.3	107
15	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.	3.3	106
16	Association between HLA-B*58:01 allele and severe cutaneous adverse reactions with allopurinol in Han Chinese in Hong Kong. British Journal of Dermatology, 2012, 167, 44-49.	1.4	84
17	Genome-wide detection of cytosine methylation by single molecule real-time sequencing. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	65
18	Detection and characterization of jagged ends of double-stranded DNA in plasma. Genome Research, 2020, 30, 1144-1153.	2.4	61

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19	The activity of mTOR inhibitor RAD001 (everolimus) in nasopharyngeal carcinoma and cisplatin-resistant cell lines. <i>Investigational New Drugs</i> , 2010, 28, 413-420.	1.2	58
20	Transcriptional repression of the RUNX3/AML2 gene by the t(8;21) and inv(16) fusion proteins in acute myeloid leukemia. <i>Blood</i> , 2008, 112, 3391-3402.	0.6	55
21	Inhibition of c-Met downregulates TIGAR expression and reduces NADPH production leading to cell death. <i>Oncogene</i> , 2011, 30, 1127-1134.	2.6	55
22	Methylation analysis of plasma DNA informs etiologies of Epstein-Barr virus-associated diseases. <i>Nature Communications</i> , 2019, 10, 3256.	5.8	52
23	A Novel 19q13 Nucleolar Zinc Finger Protein Suppresses Tumor Cell Growth through Inhibiting Ribosome Biogenesis and Inducing Apoptosis but Is Frequently Silenced in Multiple Carcinomas. <i>Molecular Cancer Research</i> , 2012, 10, 925-936.	1.5	44
24	Noninvasive Prenatal Testing by Nanopore Sequencing of Maternal Plasma DNA: Feasibility Assessment. <i>Clinical Chemistry</i> , 2015, 61, 1305-1306.	1.5	44
25	Platelet factor 4 induces cell apoptosis by inhibition of STAT3 via up-regulation of SOCS3 expression in multiple myeloma. <i>Haematologica</i> , 2013, 98, 288-295.	1.7	43
26	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, .	3.3	43
27	Preclinical activity of gefitinib in non-keratinizing nasopharyngeal carcinoma cell lines and biomarkers of response. <i>Investigational New Drugs</i> , 2010, 28, 326-333.	1.2	40
28	Secreted-frizzled related protein 1 is a transcriptional repression target of the t(8;21) fusion protein in acute myeloid leukemia. <i>Blood</i> , 2011, 118, 6638-6648.	0.6	38
29	A small molecule inhibitor of NF- κ B, dehydroxymethylepoxyquinomicin (DHMEQ), suppresses growth and invasion of nasopharyngeal carcinoma (NPC) cells. <i>Cancer Letters</i> , 2010, 287, 23-32.	3.2	36
30	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.	1.5	34
31	4q loss is potentially an important genetic event in MM tumorigenesis: identification of a tumor suppressor gene regulated by promoter methylation at 4q13.3, platelet factor 4. <i>Blood</i> , 2007, 109, 2089-2099.	0.6	31
32	Preclinical evaluation of the mTOR-PI3K inhibitor BEZ235 in nasopharyngeal cancer models. <i>Cancer Letters</i> , 2014, 343, 24-32.	3.2	30
33	Detection of residual B precursor lymphoblastic leukemia by uniform gating flow cytometry. <i>Pediatric Blood and Cancer</i> , 2010, 54, 62-70.	0.8	29
34	High-quality bacterial genomes of a partial-nitrification/anammox system by an iterative hybrid assembly method. <i>Microbiome</i> , 2020, 8, 155.	4.9	29
35	Charting the complexity of the activated sludge microbiome through a hybrid sequencing strategy. <i>Microbiome</i> , 2021, 9, 205.	4.9	29
36	An RNA-directed nucleoside anti-metabolite, 1-(3-C-ethynyl-beta-d-ribo-pentofuranosyl)cytosine (ECyd), elicits antitumor effect via TP53-induced Glycolysis and Apoptosis Regulator (TIGAR) downregulation. <i>Biochemical Pharmacology</i> , 2010, 79, 1772-1780.	2.0	28

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37	Preclinical evaluation of sunitinib as single agent or in combination with chemotherapy in nasopharyngeal carcinoma. <i>Investigational New Drugs</i> , 2011, 29, 1123-1131.	1.2	28
38	Sustained antitumor activity by co-targeting mTOR and the microtubule with temsirolimus/vinblastine combination in hepatocellular carcinoma. <i>Biochemical Pharmacology</i> , 2012, 83, 1146-1158.	2.0	28
39	Characteristics of Fetal Extrachromosomal Circular DNA in Maternal Plasma: Methylation Status and Clearance. <i>Clinical Chemistry</i> , 2021, 67, 788-796.	1.5	26
40	Clonal evolution of 8p11 stem cell syndrome in a 14-year-old Chinese boy: A review of literature of t(8;13) associated myeloproliferative diseases. <i>Leukemia Research</i> , 2007, 31, 235-238.	0.4	25
41	New Testing Approach in HLA Genotyping Helps Overcome Barriers in Effective Clinical Practice. <i>Clinical Chemistry</i> , 2009, 55, 1568-1572.	1.5	25
42	Alterations of RAS signalling in Chinese multiple myeloma patients: absent BRAF and rare RAS mutations, but frequent inactivation of RASSF1A by transcriptional silencing or expression of a non-functional variant transcript. <i>British Journal of Haematology</i> , 2003, 123, 637-645.	1.2	24
43	Jagged Ends of Urinary Cell-Free DNA: Characterization and Feasibility Assessment in Bladder Cancer Detection. <i>Clinical Chemistry</i> , 2021, 67, 621-630.	1.5	24
44	Minimal Residual Disease-Based Risk Stratification in Chinese Childhood Acute Lymphoblastic Leukemia by Flow Cytometry and Plasma DNA Quantitative Polymerase Chain Reaction. <i>PLoS ONE</i> , 2013, 8, e69467.	1.1	22
45	Single-Molecule Sequencing Enables Long Cell-Free DNA Detection and Direct Methylation Analysis for Cancer Patients. <i>Clinical Chemistry</i> , 2022, 68, 1151-1163.	1.5	22
46	Hypoxia-targeting by tirapazamine (TPZ) induces preferential growth inhibition of nasopharyngeal carcinoma cells with Chk1/2 activation. <i>Investigational New Drugs</i> , 2011, 29, 401-410.	1.2	21
47	Reverse phase protein array identifies novel anti-invasion mechanisms of YC-1. <i>Biochemical Pharmacology</i> , 2010, 79, 842-852.	2.0	20
48	Topologic Analysis of Plasma Mitochondrial DNA Reveals the Coexistence of Both Linear and Circular Molecules. <i>Clinical Chemistry</i> , 2019, 65, 1161-1170.	1.5	19
49	Applications of genetic-epigenetic tissue mapping for plasma DNA in prenatal testing, transplantation and oncology. <i>ELife</i> , 2021, 10, .	2.8	19
50	Anti-invasion, anti-proliferation and anoikis-sensitization activities of lapatinib in nasopharyngeal carcinoma cells. <i>Investigational New Drugs</i> , 2011, 29, 1241-1252.	1.2	17
51	The Familial Risk and HLA Susceptibility among Narcolepsy Patients in Hong Kong Chinese. <i>Sleep</i> , 2007, 30, 851-858.	0.6	15
52	Familial aggregation of narcolepsy. <i>Sleep Medicine</i> , 2011, 12, 947-951.	0.8	15
53	Gestational Age Assessment by Methylation and Size Profiling of Maternal Plasma DNA: A Feasibility Study. <i>Clinical Chemistry</i> , 2017, 63, 606-608.	1.5	14
54	A polymorphism in the 3'-untranslated region of the NPM1 gene causes illegitimate regulation by microRNA-337-5p and correlates with adverse outcome in acute myeloid leukemia. <i>Haematologica</i> , 2013, 98, 913-917.	1.7	12

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55	Effects of nucleases on cell-free extrachromosomal circular DNA. JCI Insight, 2022, 7, .	2.3	12
56	Fetal mitochondrial <scp>DNA</scp> in maternal plasma in surrogate pregnancies: Detection and topology. Prenatal Diagnosis, 2021, 41, 368-375.	1.1	11
57	Sequencing Analysis of Plasma Epstein-Barr Virus DNA Reveals Nasopharyngeal Carcinoma-Associated Single Nucleotide Variant Profiles. Clinical Chemistry, 2020, 66, 598-605.	1.5	10
58	Activity of the MEK inhibitor selumetinib (AZD6244; ARRY-142886) in nasopharyngeal cancer cell lines. Investigational New Drugs, 2013, 31, 30-38.	1.2	9
59	Single Cell and Plasma RNA Sequencing for RNA Liquid Biopsy for Hepatocellular Carcinoma. Clinical Chemistry, 2021, 67, 1492-1502.	1.5	9
60	Enrichment of fetal and maternal long cell-free DNA fragments from maternal plasma following DNA repair. Prenatal Diagnosis, 2019, 39, 88-99.	1.1	8
61	High-resolution analysis for urinary DNA jagged ends. Npj Genomic Medicine, 2022, 7, 14.	1.7	4
62	Chromosomal aberrations of multiple myeloma in Chinese patients at diagnosis: a study by combined G-banding and multicolor spectral karyotyping. Oncology Reports, 2003, 10, 587-91.	1.2	3
63	Establishment and characterization of a cytogenetically complex Chinese multiple myeloma-derived cell line with homozygous p53 deletion and cyclin E overexpression. International Journal of Oncology, 2004, 24, 1141-8.	1.4	1