

# Shifu Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/382585/publications.pdf>

Version: 2024-02-01

40  
papers

11,917  
citations

623734

14  
h-index

330143

37  
g-index

43  
all docs

43  
docs citations

43  
times ranked

13550  
citing authors

#	ARTICLE	IF	CITATIONS
1	fastp: an ultra-fast all-in-one FASTQ preprocessor. <i>Bioinformatics</i> , 2018, 34, i884-i890.	4.1	11,005
2	AfterQC: automatic filtering, trimming, error removing and quality control for fastq data. <i>BMC Bioinformatics</i> , 2017, 18, 80.	2.6	286
3	Gencore: an efficient tool to generate consensus reads for error suppressing and duplicate removing of NGS data. <i>BMC Bioinformatics</i> , 2019, 20, 606.	2.6	43
4	E-health in China: Challenges, Initial Directions, and Experience. <i>Telemedicine Journal and E-Health</i> , 2010, 16, 344-349.	2.8	41
5	GeneFuse: detection and visualization of target gene fusions from DNA sequencing data. <i>International Journal of Biological Sciences</i> , 2018, 14, 843-848.	6.4	36
6	Detection of Urothelial Bladder Carcinoma via Microfluidic Immunoassay and Single-Cell DNA Copy-Number Alteration Analysis of Captured Urinary-Exfoliated Tumor Cells. <i>Cancer Research</i> , 2018, 78, 4073-4085.	0.9	34
7	Comprehensive analysis of POLE and POLD1 Gene Variations identifies cancer patients potentially benefit from immunotherapy in Chinese population. <i>Scientific Reports</i> , 2019, 9, 15767.	3.3	34
8	A computational toolset for rapid identification of SARS-CoV-2, other viruses and microorganisms from sequencing data. <i>Briefings in Bioinformatics</i> , 2021, 22, 924-935.	6.5	34
9	The contribution of hereditary cancer-related germline mutations to lung cancer susceptibility. <i>Translational Lung Cancer Research</i> , 2020, 9, 646-658.	2.8	33
10	Monitoring colorectal cancer following surgery using plasma circulating tumor DNA. <i>Oncology Letters</i> , 2018, 15, 4365-4375.	1.8	24
11	The Genomic Characteristics of ALK Fusion Positive Tumors in Chinese NSCLC Patients. <i>Frontiers in Oncology</i> , 2020, 10, 726.	2.8	21
12	Comprehensive profiling of 1015 patients' exomes reveals genomic-clinical associations in colorectal cancer. <i>Nature Communications</i> , 2022, 13, 2342.	12.8	21
13	An adaptive kernel regression method for 3D ultrasound reconstruction using speckle prior and parallel GPU implementation. <i>Neurocomputing</i> , 2018, 275, 208-223.	5.9	17
14	ctDNA Concentration, MIK167 Mutations and Hyper-Progressive Disease Related Gene Mutations Are Prognostic Markers for Camrelizumab and Apatinib Combined Multiline Treatment in Advanced NSCLC. <i>Frontiers in Oncology</i> , 2020, 10, 1706.	2.8	17
15	Genomic temporal heterogeneity of circulating tumour DNA in unresectable metastatic colorectal cancer under first-line treatment. <i>Gut</i> , 2022, 71, 1340-1349.	12.1	17
16	Segmentation of abdomen MR images using kernel graph cuts with shape priors. <i>BioMedical Engineering OnLine</i> , 2013, 12, 124.	2.7	15
17	Bioinformatics Analysis for Cell-Free Tumor DNA Sequencing Data. <i>Methods in Molecular Biology</i> , 2018, 1754, 67-95.	0.9	15
18	MutScan: fast detection and visualization of target mutations by scanning FASTQ data. <i>BMC Bioinformatics</i> , 2018, 19, 16.	2.6	15

#	ARTICLE	IF	CITATIONS
19	Mutational Profile Evaluates Response and Survival to First-Line Chemotherapy in Lung Cancer. <i>Advanced Science</i> , 2021, 8, 2003263.	11.2	14
20	A Fast and Flexible Sorting Algorithm with CUDA. <i>Lecture Notes in Computer Science</i> , 2009, , 281-290.	1.3	12
21	Development and Recent Achievements of Telemedicine in China. <i>Telemedicine Journal and E-Health</i> , 2010, 16, 634-638.	2.8	11
22	Targeted deep sequencing helps distinguish independent primary tumors from intrapulmonary metastasis for lung cancer diagnosis. <i>Journal of Cancer Research and Clinical Oncology</i> , 2020, 146, 2359-2367.	2.5	9
23	Accelerating Algebraic Reconstruction Using CUDA-Enabled GPU. , 2009, , .		7
24	CUDA-based acceleration and algorithm refinement for volume image registration. , 2009, , .		7
25	An efficient sorting algorithm with CUDA. <i>Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'an</i> , 2009, 32, 915-921.	1.1	7
26	Sequencing of circulating tumor DNA for dynamic monitoring of gene mutations in advanced non-small cell lung cancer. <i>Oncology Letters</i> , 2018, 15, 3726-3734.	1.8	6
27	Metastatic Low-Grade Sarcoma with <i>CARS</i> - <i>ALK</i> Fusion Dramatically Responded to Multiple ALK Tyrosine Kinase Inhibitors: A Case Report with Comprehensive Genomic Analysis. <i>Oncologist</i> , 2021, 26, e524-e529.	3.7	6
28	Identification of a novel germline frameshift mutation p.D300fs of PMS1 in a patient with hepatocellular carcinoma. <i>Medicine (United States)</i> , 2020, 99, e19076.	1.0	6
29	E-Health-Oriented Community Health Information System in China: Our Challenges, Solution, and Experience. <i>Telemedicine Journal and E-Health</i> , 2011, 17, 584-588.	2.8	5
30	Circulating tumor DNA sequencing for colorectal cancers: A comparative analysis of colon cancer and rectal cancer data. <i>Cancer Biomarkers</i> , 2019, 26, 313-322.	1.7	5
31	A Study of Cell-free DNA Fragmentation Pattern and Its Application in DNA Sample Type Classification. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2018, , 1-1.	3.0	4
32	The Design and Implementation of a Rescue Terminal with Vital Signs Telemonitoring Based on Beidou 1 Navigation Satellite System. <i>Telemedicine Journal and E-Health</i> , 2011, 17, 76-79.	2.8	2
33	The Introduction and Clinical Application of Cell-Free Tumor DNA. <i>Methods in Molecular Biology</i> , 2018, 1754, 45-65.	0.9	2
34	A rare multiple primary sarcomatoid carcinoma (SCA) of small intestine harboring driver gene mutations: a case report and a literature review. <i>Translational Cancer Research</i> , 2021, 10, 1150-1161.	1.0	2
35	The genomic characteristics of RET fusion positive tumors in Chinese non-small cell lung cancer (NSCLC) patients. <i>Journal of Cancer Research and Clinical Oncology</i> , 2023, 149, 1019-1028.	2.5	2
36	A Comparison of Two Data Storage Strategies for Implementing e-Health in China. <i>Telemedicine Journal and E-Health</i> , 2010, 16, 364-369.	2.8	1

#	ARTICLE	IF	CITATIONS
37	Case Report: A Chronological Combination Treatment of Icotinib, Osimertinib, and Crizotinib on Lung Adenocarcinoma Guided by Serial Genetic Tests of Circulating Tumor DNA and Sediment Cell Genomic DNA From Pleural Effusion. <i>Frontiers in Oncology</i> , 2020, 10, 561341.	2.8	1
38	Identification of Genomic Alterations in Sporadic Pancreatic Neurogenic Tumors. <i>Pancreas</i> , 2020, 49, 1393-1397.	1.1	1
39	Detect and visualize tumor microsatellite instability status from next-generation sequencing data by simulating PCR techniques.. <i>Journal of Clinical Oncology</i> , 2019, 37, e13052-e13052.	1.6	1
40	SeqMaker: A next generation sequencing simulator with variations, sequencing errors and amplification bias integrated. , 2016, , .		0