Nae-Chyun Chen

List of Publications by Year
in descending order

12 papers	1,373 citations	1937685 4 h-index	2272923 4 g-index
18 all docs	18 docs citations	18 times ranked	650 citing authors

#	Article	IF	Citations
1	The complete sequence of a human genome. Science, 2022, 376, 44-53.	12.6	1,222
2	Reference flow: reducing reference bias using multiple population genomes. Genome Biology, 2021, 22, 8.	8.8	44
3	LevioSAM: fast lift-over of variant-aware reference alignments. Bioinformatics, 2021, 37, 4243-4245.	4.1	7
4	Adaptively Banded Smith-Waterman Algorithm for Long Reads and Its Hardware Accelerator. , 2018, , .		15
5	FORGe: prioritizing variants for graph genomes. Genome Biology, 2018, 19, 220.	8.8	59
6	A Hybrid Flow for Multiple Sequence Alignment with a BLASTn Based Pairwise Alignment Processor. , 2018, , .		0
7	A Memory-Efficient FM-Index Constructor for Next-Generation Sequencing Applications on FPGAs. , 2018, , .		3
8	Step shift: A fast image segmentation algorithm and its hardware implementation for next-generation sequencing fluorescence data. , 2016, , .		0
9	An FPGA-based quality filter for de novo sequence assembly pipeline. , 2016, , .		0
10	Queue-based segmentation algorithm for refining depth maps in light field camera applications. , 2016, , .		1
11	A special processor design for Nucleotide Basic Local Alignment Search Tool with a new Banded two-hit method. , 2016, , .		1
12	Power efficient special processor design for burrows-wheeler-transform-based short read sequence alignment. , 2015, , .		2