Xin Zhou

List of Publications by Year
in descending order

25 papers	606 citations	759233 12 h-index	752698 20 g-index
39 all docs	39 docs citations	39 times ranked	717 citing authors

#	Article	IF	Citations
1	A Bayesian factorization method to recover single-cell RNA sequencing data. Cell Reports Methods, 2022, 2, 100133.	2.9	4
2	Strong Gamma Frequency Oscillations in the Adolescent Prefrontal Cortex. Journal of Neuroscience, 2022, 42, 2917-2929.	3.6	8
3	Neural Mechanisms of Working Memory Accuracy Revealed by Recurrent Neural Networks. Frontiers in Systems Neuroscience, 2022, 16, 760864.	2.5	6
4	Benchmarking challenging small variants with linked and long reads. Cell Genomics, 2022, 2, 100128.	6.5	77
5	Identification of cell types in multiplexed in situ images by combining protein expression and spatial information using CELESTA. Nature Methods, 2022, 19, 759-769.	19.0	42
6	Graphing cell relations in spatial transcriptomics. Nature Computational Science, 2022, 2, 354-355.	8.0	2
7	Aquila enables reference-assisted diploid personal genome assembly and comprehensive variant detection based on linked reads. Nature Communications, 2021, 12, 1077.	12.8	11
8	Text mining of gene–phenotype associations reveals new phenotypic profiles of autism-associated genes. Scientific Reports, 2021, 11, 15269.	3.3	3
9	Emergence of prefrontal neuron maturation properties by training recurrent neural networks in cognitive tasks. IScience, 2021, 24, 103178.	4.1	5
10	Aquila_stLFR: diploid genome assembly based structural variant calling package for stLFR linked-reads. Bioinformatics Advances, 2021, 1, .	2.4	8
11	A comprehensive investigation of metagenome assembly by linked-read sequencing. Microbiome, 2020, 8, 156.	11.1	12
12	A diploid assembly-based benchmark for variants in the major histocompatibility complex. Nature Communications, 2020, 11, 4794.	12.8	56
13	Plasticity of Persistent Activity and Its Constraints. Frontiers in Neural Circuits, 2020, 14, 15.	2.8	21
14	De novo diploid genome assembly for genome-wide structural variant detection. NAR Genomics and Bioinformatics, 2020, 2, lqz018.	3.2	9
15	Assessment of human diploid genome assembly with 10x Linked-Reads data. GigaScience, 2019, 8, .	6.4	20
16	Anterior-posterior gradient of plasticity in primate prefrontal cortex. Nature Communications, 2018, 9, 3790.	12.8	35
17	HAPDeNovo: a haplotype-based approach for filtering and phasing de novo mutations in linked read sequencing data. BMC Genomics, 2018, 19, 467.	2.8	11
18	Fixation target representation in prefrontal cortex during the antisaccade task. Journal of Neurophysiology, 2017, 117, 2152-2162.	1.8	3

#	Article	IF	Citations
19	Neural correlates of working memory development in adolescent primates. Nature Communications, 2016, 7, 13423.	12.8	35
20	Distinct Roles of the Prefrontal and Posterior Parietal Cortices in Response Inhibition. Cell Reports, 2016, 14, 2765-2773.	6.4	23
21	Behavioral response inhibition and maturation of goal representation in prefrontal cortex after puberty. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3353-3358.	7.1	19
22	Age-dependent changes in prefrontal intrinsic connectivity. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3853-3858.	7.1	32
23	Working memory performance and neural activity in prefrontal cortex of peripubertal monkeys. Journal of Neurophysiology, 2013, 110, 2648-2660.	1.8	29
24	Neurons with inverted tuning during the delay periods of working memory tasks in the dorsal prefrontal and posterior parietal cortex. Journal of Neurophysiology, 2012, 108, 31-38.	1.8	34
25	Cholinergic modulation of working memory activity in primate prefrontal cortex. Journal of Neurophysiology, 2011, 106, 2180-2188.	1.8	47