

# Xin Zhou

## List of Publications by Year in descending order

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Version: 2024-02-01

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  | Benchmarking challenging small variants with linked and long reads. <i>Cell Genomics</i> , 2022, 2, 100128.   | 6.5  | 77        |
| 2  | A diploid assembly-based benchmark for variants in the major histocompatibility complex. <i>Nature Communications</i> , 2020, 11, 4794.   | 12.8 | 56        |
| 3  | Cholinergic modulation of working memory activity in primate prefrontal cortex. <i>Journal of Neurophysiology</i> , 2011, 106, 2180-2188.   | 1.8  | 47        |
| 4  | Identification of cell types in multiplexed in situ images by combining protein expression and spatial information using CELESTA. <i>Nature Methods</i> , 2022, 19, 759-769.  | 19.0 | 42        |
| 5  | Neural correlates of working memory development in adolescent primates. <i>Nature Communications</i> , 2016, 7, 13423.  | 12.8 | 35        |
| 6  | Anterior-posterior gradient of plasticity in primate prefrontal cortex. <i>Nature Communications</i> , 2018, 9, 3790.   | 12.8 | 35        |
| 7  | Neurons with inverted tuning during the delay periods of working memory tasks in the dorsal prefrontal and posterior parietal cortex. <i>Journal of Neurophysiology</i> , 2012, 108, 31-38.                             | 1.8  | 34        |
| 8  | Age-dependent changes in prefrontal intrinsic connectivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 3853-3858.  | 7.1  | 32        |
| 9  | Working memory performance and neural activity in prefrontal cortex of peripubertal monkeys. <i>Journal of Neurophysiology</i> , 2013, 110, 2648-2660.  | 1.8  | 29        |
| 10 | Distinct Roles of the Prefrontal and Posterior Parietal Cortices in Response Inhibition. <i>Cell Reports</i> , 2016, 14, 2765-2773.   | 6.4  | 23        |
| 11 | Plasticity of Persistent Activity and Its Constraints. <i>Frontiers in Neural Circuits</i> , 2020, 14, 15.  | 2.8  | 21        |
| 12 | Assessment of human diploid genome assembly with 10x Linked-Reads data. <i>GigaScience</i> , 2019, 8, .   | 6.4  | 20        |
| 13 | Behavioral response inhibition and maturation of goal representation in prefrontal cortex after puberty. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3353-3358. | 7.1  | 19        |
| 14 | A comprehensive investigation of metagenome assembly by linked-read sequencing. <i>Microbiome</i> , 2020, 8, 156.   | 11.1 | 12        |
| 15 | HAPDeNovo: a haplotype-based approach for filtering and phasing de novo mutations in linked read sequencing data. <i>BMC Genomics</i> , 2018, 19, 467.  | 2.8  | 11        |
| 16 | Aquila enables reference-assisted diploid personal genome assembly and comprehensive variant detection based on linked reads. <i>Nature Communications</i> , 2021, 12, 1077.  | 12.8 | 11        |
| 17 | De novo diploid genome assembly for genome-wide structural variant detection. <i>NAR Genomics and Bioinformatics</i> , 2020, 2, lqz018.   | 3.2  | 9         |
| 18 | Aquila_stLFR: diploid genome assembly based structural variant calling package for stLFR linked-reads. <i>Bioinformatics Advances</i> , 2021, 1, .  | 2.4  | 8         |

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|----|---|-----|-----------|
| 19 | Strong Gamma Frequency Oscillations in the Adolescent Prefrontal Cortex. <i>Journal of Neuroscience</i> , 2022, 42, 2917-2929.                      | 3.6 | 8         |
| 20 | Neural Mechanisms of Working Memory Accuracy Revealed by Recurrent Neural Networks. <i>Frontiers in Systems Neuroscience</i> , 2022, 16, 760864.    | 2.5 | 6         |
| 21 | Emergence of prefrontal neuron maturation properties by training recurrent neural networks in cognitive tasks. <i>IScience</i> , 2021, 24, 103178.  | 4.1 | 5         |
| 22 | A Bayesian factorization method to recover single-cell RNA sequencing data. <i>Cell Reports Methods</i> , 2022, 2, 100133.                          | 2.9 | 4         |
| 23 | Fixation target representation in prefrontal cortex during the antisaccade task. <i>Journal of Neurophysiology</i> , 2017, 117, 2152-2162.          | 1.8 | 3         |
| 24 | Text mining of gene-phenotype associations reveals new phenotypic profiles of autism-associated genes. <i>Scientific Reports</i> , 2021, 11, 15269. | 3.3 | 3         |
| 25 | Graphing cell relations in spatial transcriptomics. <i>Nature Computational Science</i> , 2022, 2, 354-355.   | 8.0 | 2         |