

# Zheng Xia

## List of Publications by Year in descending order

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Version: 2024-02-01

61  
papers

8,760  
citations

101496

36  
h-index

138417

58  
g-index

68  
all docs

68  
docs citations

68  
times ranked

17198  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Comprehensive and Integrative Genomic Characterization of Hepatocellular Carcinoma. <i>Cell</i> , 2017, 169, 1327-1341.e23.  | 13.5 | 1,794     |
| 2  | Multiplatform Analysis of 12 Cancer Types Reveals Molecular Classification within and across Tissues of Origin. <i>Cell</i> , 2014, 158, 929-944.                  | 13.5 | 1,242     |
| 3  | Epigenomic Profiling of Young and Aged HSCs Reveals Concerted Changes during Aging that Reinforce Self-Renewal. <i>Cell Stem Cell</i> , 2014, 14, 673-688.         | 5.2  | 524       |
| 4  | Dynamic analyses of alternative polyadenylation from RNA-seq reveal a 3' UTR landscape across seven tumour types. <i>Nature Communications</i> , 2014, 5, 5274.    | 5.8  | 430       |
| 5  | CFIm25 links alternative polyadenylation to glioblastoma tumour suppression. <i>Nature</i> , 2014, 510, 412-416.   | 13.7 | 365       |
| 6  | Semi-supervised drug-protein interaction prediction from heterogeneous biological spaces. <i>BMC Systems Biology</i> , 2010, 4, S6.                                | 3.0  | 290       |
| 7  | Dnmt3a and Dnmt3b Have Overlapping and Distinct Functions in Hematopoietic Stem Cells. <i>Cell Stem Cell</i> , 2014, 15, 350-364.                                  | 5.2  | 288       |
| 8  | ZMYND11 links histone H3.3K36me3 to transcription elongation and tumour suppression. <i>Nature</i> , 2014, 508, 263-268.   | 13.7 | 276       |
| 9  | Broad H3K4me3 is associated with increased transcription elongation and enhancer activity at tumor-suppressor genes. <i>Nature Genetics</i> , 2015, 47, 1149-1157. | 9.4  | 276       |
| 10 | Nucleosome loss leads to global transcriptional up-regulation and genomic instability during yeast aging. <i>Genes and Development</i> , 2014, 28, 396-408.        | 2.7  | 265       |
| 11 | Highly scalable generation of DNA methylation profiles in single cells. <i>Nature Biotechnology</i> , 2018, 36, 428-431.   | 9.4  | 215       |
| 12 | PRMT9 is a Type II methyltransferase that methylates the splicing factor SAP145. <i>Nature Communications</i> , 2015, 6, 6428.                                     | 5.8  | 167       |
| 13 | Androgen receptor activity in T cells limits checkpoint blockade efficacy. <i>Nature</i> , 2022, 606, 791-796.   | 13.7 | 162       |
| 14 | The Overlooked Fact: Fundamental Need for Spike-In Control for Virtually All Genome-Wide Analyses. <i>Molecular and Cellular Biology</i> , 2016, 36, 662-667.      | 1.1  | 153       |
| 15 | 3' UTR shortening represses tumor-suppressor genes in trans by disrupting ceRNA crosstalk. <i>Nature Genetics</i> , 2018, 50, 783-789.                             | 9.4  | 148       |
| 16 | Long Non-Coding RNAs Control Hematopoietic Stem Cell Function. <i>Cell Stem Cell</i> , 2015, 16, 426-438.  | 5.2  | 147       |
| 17 | The Histone-H3K4-Specific Demethylase KDM5B Binds to Its Substrate and Product through Distinct PHD Fingers. <i>Cell Reports</i> , 2014, 6, 325-335.               | 2.9  | 145       |
| 18 | Alternative splicing regulates vesicular trafficking genes in cardiomyocytes during postnatal heart development. <i>Nature Communications</i> , 2014, 5, 3603.     | 5.8  | 133       |

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|----|--|-----|-----------|
| 19 | Identifying phenotype-associated subpopulations by integrating bulk and single-cell sequencing data. <i>Nature Biotechnology</i> , 2022, 40, 527-538.  | 9.4 | 128       |
| 20 | Rbfox2-Coordinated Alternative Splicing of Mef2d and Rock2 Controls Myoblast Fusion during Myogenesis. <i>Molecular Cell</i> , 2014, 55, 592-603.  | 4.5 | 104       |
| 21 | Genomic Drivers of Poor Prognosis and Enzalutamide Resistance in Metastatic Castration-resistant Prostate Cancer. <i>European Urology</i> , 2019, 76, 562-571.   | 0.9 | 104       |
| 22 | Mesenchymal Lineage Heterogeneity Underlies Nonredundant Functions of Pancreatic Cancer-associated Fibroblasts. <i>Cancer Discovery</i> , 2022, 12, 484-501.   | 7.7 | 97        |
| 23 | Whole Transcriptome Sequencing Reveals Extensive Unspliced mRNA in Metastatic Castration-Resistant Prostate Cancer. <i>Molecular Cancer Research</i> , 2015, 13, 98-106.   | 1.5 | 92        |
| 24 | 3' UTR lengthening as a novel mechanism in regulating cellular senescence. <i>Genome Research</i> , 2018, 28, 285-294.   | 2.4 | 90        |
| 25 | Transcriptional profiling identifies an androgen receptor activity-low, stemness program associated with enzalutamide resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12315-12323. | 3.3 | 87        |
| 26 | Myc and SAGA rewire an alternative splicing network during early somatic cell reprogramming. <i>Genes and Development</i> , 2015, 29, 803-816.   | 2.7 | 73        |
| 27 | Human mutations in integrator complex subunits link transcriptome integrity to brain development. <i>PLoS Genetics</i> , 2017, 13, e1006809.   | 1.5 | 66        |
| 28 | MEK-ERK signaling is a therapeutic target in metastatic castration resistant prostate cancer. <i>Prostate Cancer and Prostatic Diseases</i> , 2019, 22, 531-538.   | 2.0 | 66        |
| 29 | Tgfr <sup>2</sup> signaling is critical for maintenance of the tendon cell fate. <i>ELife</i> , 2020, 9, .   | 2.8 | 62        |
| 30 | Poly(A)-ClickSeq: click-chemistry for next-generation 3'-end sequencing without RNA enrichment or fragmentation. <i>Nucleic Acids Research</i> , 2017, 45, e112-e112.  | 6.5 | 58        |
| 31 | Extensive alternative splicing transitions during postnatal skeletal muscle development are required for calcium handling functions. <i>ELife</i> , 2017, 6, .   | 2.8 | 58        |
| 32 | Nudt21 regulates the alternative polyadenylation of Pak1 and is predictive in the prognosis of glioblastoma patients. <i>Oncogene</i> , 2019, 38, 4154-4168.   | 2.6 | 54        |
| 33 | Computer-assisted lip diagnosis on traditional Chinese medicine using multi-class support vector machines. <i>BMC Complementary and Alternative Medicine</i> , 2012, 12, 127.  | 3.7 | 48        |
| 34 | Aberrant plasticity of peripheral sensory axons in a painful neuropathy. <i>Scientific Reports</i> , 2017, 7, 3407.  | 1.6 | 47        |
| 35 | Cleavage factor 25 deregulation contributes to pulmonary fibrosis through alternative polyadenylation. <i>Journal of Clinical Investigation</i> , 2019, 129, 1984-1999.  | 3.9 | 47        |
| 36 | Gleason Score 7 Prostate Cancers Emerge through Branched Evolution of Clonal Gleason Pattern 3 and 4. <i>Clinical Cancer Research</i> , 2017, 23, 3823-3833.   | 3.2 | 43        |

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|----|--|-----|-----------|
| 37 | RNA-seq from archival FFPE breast cancer samples: molecular pathway fidelity and novel discovery. BMC Medical Genomics, 2019, 12, 195.   | 0.7 | 35        |
| 38 | CFIm25 regulates glutaminase alternative terminal exon definition to modulate miR-23 function. Rna, 2016, 22, 830-838.   | 1.6 | 33        |
| 39 | BET Bromodomain Inhibition Blocks an AR-Repressed, E2F1-Activated Treatment-Emergent Neuroendocrine Prostate Cancer Lineage Plasticity Program. Clinical Cancer Research, 2021, 27, 4923-4936. | 3.2 | 33        |
| 40 | NSMAP: A method for spliced isoforms identification and quantification from RNA-Seq. BMC Bioinformatics, 2011, 12, 162.  | 1.2 | 29        |
| 41 | The genomic landscape of estrogen receptor $\beta$ binding sites in mouse mammary gland. PLoS ONE, 2019, 14, e0220311.   | 1.1 | 25        |
| 42 | KDM5 lysine demethylases are involved in maintenance of 3' UTR length. Science Advances, 2016, 2, e1501662.  | 4.7 | 23        |
| 43 | BET bromodomain inhibition blocks the function of a critical AR-independent master regulator network in lethal prostate cancer. Oncogene, 2019, 38, 5658-5669.                                 | 2.6 | 23        |
| 44 | Fault Diagnosis Based on Fuzzy Support Vector Machine with Parameter Tuning and Feature Selection. Chinese Journal of Chemical Engineering, 2007, 15, 233-239.                                 | 1.7 | 22        |
| 45 | Pharmacologic Targeting of Mcl-1 Induces Mitochondrial Dysfunction and Apoptosis in B-Cell Lymphoma Cells in a TP53- and BAX-Dependent Manner. Clinical Cancer Research, 2021, 27, 4910-4922.  | 3.2 | 22        |
| 46 | Alternative splicing of LSD1+8a in neuroendocrine prostate cancer is mediated by SRRM4. Neoplasia, 2020, 22, 253-262.  | 2.3 | 19        |
| 47 | Postpartum breast cancer has a distinct molecular profile that predicts poor outcomes. Nature Communications, 2021, 12, 6341.  | 5.8 | 19        |
| 48 | Neonatal cardiac dysfunction and transcriptome changes caused by the absence of Celf1. Scientific Reports, 2016, 6, 35550.   | 1.6 | 18        |
| 49 | Pregnancy and weaning regulate human maternal liver size and function. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .                           | 3.3 | 18        |
| 50 | Registration of 3-D CT and 2-D Flat Images of Mouse via Affine Transformation. IEEE Transactions on Information Technology in Biomedicine, 2008, 12, 569-578.                                  | 3.6 | 17        |
| 51 | Increased nuclear but not cytoplasmic activities of CELF1 protein leads to muscle wasting. Human Molecular Genetics, 2020, 29, 1729-1744.  | 1.4 | 12        |
| 52 | miR-205 Regulates Basal Cell Identity and Stem Cell Regenerative Potential During Mammary Reconstitution. Stem Cells, 2018, 36, 1875-1889.   | 1.4 | 11        |
| 53 | A Distinct Innate Immune Signature of Early Onset Colorectal Cancer. ImmunoHorizons, 2021, 5, 489-499.   | 0.8 | 11        |
| 54 | Copy Number Loss of 17q22 Is Associated with Enzalutamide Resistance and Poor Prognosis in Metastatic Castration-Resistant Prostate Cancer. Clinical Cancer Research, 2020, 26, 4616-4624.     | 3.2 | 10        |

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|----|--|-----|-----------|
| 55 | Reversible cardiac disease features in an inducible CUG repeat RNA <sup>Δ</sup> -expressing mouse model of myotonic dystrophy. JCI Insight, 2021, 6, .   | 2.3 | 10        |
| 56 | Mammary collagen is under reproductive control with implications for breast cancer. Matrix Biology, 2022, 105, 104-126.  | 1.5 | 9         |
| 57 | An image based system biology approach for Alzheimer's disease pathway analysis. , 2009, 2009, 128-132.  |     | 4         |
| 58 | A novel network and sparsity constraint regression model for functional module identification in genomic data analysis. International Journal of Data Mining and Bioinformatics, 2013, 8, 311. | 0.1 | 2         |
| 59 | A graph-based elastic net for variable selection and module identification for genomic data analysis. , 2010, , .  |     | 0         |
| 60 | Automated Recognition of Cellular Phenotypes by Support Vector Machines with Feature Reduction. Lecture Notes in Computer Science, 2006, , 171-178.  | 1.0 | 0         |
| 61 | Abstract PO-095: A cancer cell-intrinsic GOT2-PPAR <sup>γ</sup> axis suppresses antitumor immunity. , 2021, , .  |     | 0         |