

Yawei Gao

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

3,037
citations

331259

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times ranked

4308
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Distinct features of H3K4me3 and H3K27me3 chromatin domains in pre-implantation embryos. <i>Nature</i> , 2016, 537, 558-562. | 13.7 | 538 |
| 2 | <i>N⁶</i> -methyladenosine of chromosome-associated regulatory RNA regulates chromatin state and transcription. <i>Science</i> , 2020, 367, 580-586. | 6.0 | 406 |
| 3 | Replacement of Oct4 by Tet1 during iPSC Induction Reveals an Important Role of DNA Methylation and Hydroxymethylation in Reprogramming. <i>Cell Stem Cell</i> , 2013, 12, 453-469. | 5.2 | 321 |
| 4 | Reprogramming of H3K9me3-dependent heterochromatin during mammalian embryo development. <i>Nature Cell Biology</i> , 2018, 20, 620-631. | 4.6 | 292 |
| 5 | Identification of key factors conquering developmental arrest of somatic cell cloned embryos by combining embryo biopsy and single-cell sequencing. <i>Cell Discovery</i> , 2016, 2, 16010. | 3.1 | 165 |
| 6 | N ⁶ -Deoxyadenosine Methylation in Mammalian Mitochondrial DNA. <i>Molecular Cell</i> , 2020, 78, 382-395.e8. | 4.5 | 156 |
| 7 | Protein Expression Landscape of Mouse Embryos during Pre-implantation Development. <i>Cell Reports</i> , 2017, 21, 3957-3969. | 2.9 | 135 |
| 8 | SIRT6 Controls Hematopoietic Stem Cell Homeostasis through Epigenetic Regulation of Wnt Signaling. <i>Cell Stem Cell</i> , 2016, 18, 495-507. | 5.2 | 117 |
| 9 | FTO mediates LINE1 m ⁶ A demethylation and chromatin regulation in mESCs and mouse development. <i>Science</i> , 2022, 376, 968-973. | 6.0 | 97 |
| 10 | Loss of YTHDF2-mediated m ⁶ A-dependent mRNA clearance facilitates hematopoietic stem cell regeneration. <i>Cell Research</i> , 2018, 28, 1035-1038. | 5.7 | 95 |
| 11 | Nuclear m ⁶ A reader YTHDC1 regulates the scaffold function of LINE1 RNA in mouse ESCs and early embryos. <i>Protein and Cell</i> , 2021, 12, 455-474. | 4.8 | 84 |
| 12 | Stabilization of ERK-Phosphorylated METTL3 by USP5 Increases m ⁶ A Methylation. <i>Molecular Cell</i> , 2020, 80, 633-647.e7. | 4.5 | 83 |
| 13 | Hierarchical Oct4 Binding in Concert with Primed Epigenetic Rearrangements during Somatic Cell Reprogramming. <i>Cell Reports</i> , 2016, 14, 1540-1554. | 2.9 | 74 |
| 14 | Inhibition of Aberrant DNA Re-methylation Improves Post-implantation Development of Somatic Cell Nuclear Transfer Embryos. <i>Cell Stem Cell</i> , 2018, 23, 426-435.e5. | 5.2 | 72 |
| 15 | The Combination of Tet1 with Oct4 Generates High-Quality Mouse-Induced Pluripotent Stem Cells. <i>Stem Cells</i> , 2015, 33, 686-698. | 1.4 | 39 |
| 16 | DCAF13 promotes pluripotency by negatively regulating SUV39H1 stability during early embryonic development. <i>EMBO Journal</i> , 2018, 37, . | 3.5 | 39 |
| 17 | Distinct H3K9me3 and DNA methylation modifications during mouse spermatogenesis. <i>Journal of Biological Chemistry</i> , 2019, 294, 18714-18725. | 1.6 | 38 |
| 18 | Maternal Sall4 Is Indispensable for Epigenetic Maturation of Mouse Oocytes. <i>Journal of Biological Chemistry</i> , 2017, 292, 1798-1807. | 1.6 | 37 |

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|----|---|-----|-----------|
| 19 | Dcaf11 activates Zscan4-mediated alternative telomere lengthening in early embryos and embryonic stem cells. <i>Cell Stem Cell</i> , 2021, 28, 732-747.e9. | 5.2 | 30 |
| 20 | Nuclear Exosome Targeting Complex Core Factor Zcchc8 Regulates the Degradation of LINE1 RNA in Early Embryos and Embryonic Stem Cells. <i>Cell Reports</i> , 2019, 29, 2461-2472.e6. | 2.9 | 28 |
| 21 | N6-methyladenosine regulates maternal RNA maintenance in oocytes and timely RNA decay during mouse maternal-to-zygotic transition. <i>Nature Cell Biology</i> , 2022, 24, 917-927. | 4.6 | 28 |
| 22 | Jump-seq: Genome-Wide Capture and Amplification of 5-Hydroxymethylcytosine Sites. <i>Journal of the American Chemical Society</i> , 2019, 141, 8694-8697. | 6.6 | 26 |
| 23 | Reprogramming competence of OCT factors is determined by transactivation domains. <i>Science Advances</i> , 2020, 6, . | 4.7 | 25 |
| 24 | Esrrb plays important roles in maintaining self-renewal of trophoblast stem cells (TSCs) and reprogramming somatic cells to induced TSCs. <i>Journal of Molecular Cell Biology</i> , 2019, 11, 463-473. | 1.5 | 19 |
| 25 | Baf60b-mediated ATM-p53 activation blocks cell identity conversion by sensing chromatin opening. <i>Cell Research</i> , 2017, 27, 642-656. | 5.7 | 18 |
| 26 | Unique Patterns of H3K4me3 and H3K27me3 in 2-Cell-like Embryonic Stem Cells. <i>Stem Cell Reports</i> , 2021, 16, 458-469. | 2.3 | 18 |
| 27 | Dynamic nucleosome organization after fertilization reveals regulatory factors for mouse zygotic genome activation. <i>Cell Research</i> , 2022, 32, 801-813. | 5.7 | 14 |
| 28 | DNA 5-Methylcytosine-Specific Amplification and Sequencing. <i>Journal of the American Chemical Society</i> , 2020, 142, 4539-4543. | 6.6 | 13 |
| 29 | Direct induction of neural progenitor cells transiently passes through a partially reprogrammed state. <i>Biomaterials</i> , 2017, 119, 53-67. | 5.7 | 10 |
| 30 | Epigenetic regulation of cell fate transition: learning from early embryo development and somatic cell reprogramming. <i>Biology of Reproduction</i> , 2022, 107, 183-195. | 1.2 | 7 |
| 31 | High throughput sequencing identifies an imprinted gene, Grb10, associated with the pluripotency state in nuclear transfer embryonic stem cells. <i>Oncotarget</i> , 2017, 8, 47344-47355. | 0.8 | 5 |
| 32 | Quality Control: H2A.X Links to Better iPSCs. <i>Cell Stem Cell</i> , 2014, 15, 259-260. | 5.2 | 3 |