

Hongjun Song

List of Publications by Year in descending order

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167
papers

33,382
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7561

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docs citations

224
times ranked

34134
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Adult Neurogenesis in the Mammalian Brain: Significant Answers and Significant Questions. <i>Neuron</i> , 2011, 70, 687-702. | 3.8 | 2,193 |
| 2 | Brain-Region-Specific Organoids Using Mini-bioreactors for Modeling ZIKV Exposure. <i>Cell</i> , 2016, 165, 1238-1254. | 13.5 | 1,680 |
| 3 | ADULT NEUROGENESIS IN THE MAMMALIAN CENTRAL NERVOUS SYSTEM. <i>Annual Review of Neuroscience</i> , 2005, 28, 223-250. | 5.0 | 1,642 |
| 4 | Astroglia induce neurogenesis from adult neural stem cells. <i>Nature</i> , 2002, 417, 39-44. | 13.7 | 1,342 |
| 5 | Hydroxylation of 5-Methylcytosine by TET1 Promotes Active DNA Demethylation in the Adult Brain. <i>Cell</i> , 2011, 145, 423-434. | 13.5 | 1,196 |
| 6 | GABA regulates synaptic integration of newly generated neurons in the adult brain. <i>Nature</i> , 2006, 439, 589-593. | 13.7 | 1,139 |
| 7 | Zika Virus Infects Human Cortical Neural Progenitors and Attenuates Their Growth. <i>Cell Stem Cell</i> , 2016, 18, 587-590. | 5.2 | 1,125 |
| 8 | Neuronal Activity-Induced Gadd45b Promotes Epigenetic DNA Demethylation and Adult Neurogenesis. <i>Science</i> , 2009, 323, 1074-1077. | 6.0 | 846 |
| 9 | A Critical Period for Enhanced Synaptic Plasticity in Newly Generated Neurons of the Adult Brain. <i>Neuron</i> , 2007, 54, 559-566. | 3.8 | 813 |
| 10 | In Vivo Clonal Analysis Reveals Self-Renewing and Multipotent Adult Neural Stem Cell Characteristics. <i>Cell</i> , 2011, 145, 1142-1155. | 13.5 | 749 |
| 11 | Single-Cell RNA-Seq with Waterfall Reveals Molecular Cascades underlying Adult Neurogenesis. <i>Cell Stem Cell</i> , 2015, 17, 360-372. | 5.2 | 680 |
| 12 | Neurogenesis in the Adult Hippocampus. <i>Cold Spring Harbor Perspectives in Biology</i> , 2015, 7, a018812. | 2.3 | 676 |
| 13 | Distribution, recognition and regulation of non-CpG methylation in the adult mammalian brain. <i>Nature Neuroscience</i> , 2014, 17, 215-222. | 7.1 | 663 |
| 14 | Adult Mammalian Neural Stem Cells and Neurogenesis: Five Decades Later. <i>Cell Stem Cell</i> , 2015, 17, 385-395. | 5.2 | 650 |
| 15 | Neuronal activity modifies the DNA methylation landscape in the adult brain. <i>Nature Neuroscience</i> , 2011, 14, 1345-1351. | 7.1 | 601 |
| 16 | Human Adult Neurogenesis: Evidence and Remaining Questions. <i>Cell Stem Cell</i> , 2018, 23, 25-30. | 5.2 | 601 |
| 17 | Identification of small-molecule inhibitors of Zika virus infection and induced neural cell death via a drug repurposing screen. <i>Nature Medicine</i> , 2016, 22, 1101-1107. | 15.2 | 581 |
| 18 | Disrupted-In-Schizophrenia 1 Regulates Integration of Newly Generated Neurons in the Adult Brain. <i>Cell</i> , 2007, 130, 1146-1158. | 13.5 | 576 |

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|----|--|------|-----------|
| 19 | NEUROGENESIS IN THE ADULT BRAIN: New Strategies for Central Nervous System Diseases. Annual Review of Pharmacology and Toxicology, 2004, 44, 399-421. | 4.2 | 567 |
| 20 | Temporal Control of Mammalian Cortical Neurogenesis by m6A Methylation. Cell, 2017, 171, 877-889.e17. | 13.5 | 567 |
| 21 | A Patient-Derived Glioblastoma Organoid Model and Biobank Recapitulates Inter- and Intra-tumoral Heterogeneity. Cell, 2020, 180, 188-204.e22. | 13.5 | 529 |
| 22 | Synaptic dysregulation in a human iPSC cell model of mental disorders. Nature, 2014, 515, 414-418. | 13.7 | 471 |
| 23 | Neuronal circuitry mechanism regulating adult quiescent neural stem-cell fate decision. Nature, 2012, 489, 150-154. | 13.7 | 463 |
| 24 | Brain organoids: advances, applications and challenges. Development (Cambridge), 2019, 146, . | 1.2 | 385 |
| 25 | m6A facilitates hippocampus-dependent learning and memory through YTHDF1. Nature, 2018, 563, 249-253. | 13.7 | 354 |
| 26 | Functions and Dysfunctions of Adult Hippocampal Neurogenesis. Annual Review of Neuroscience, 2014, 37, 243-262. | 5.0 | 344 |
| 27 | Generation of human brain region-specific organoids using a miniaturized spinning bioreactor. Nature Protocols, 2018, 13, 565-580. | 5.5 | 335 |
| 28 | Human Pluripotent Stem Cell-Derived Neural Cells and Brain Organoids Reveal SARS-CoV-2 Neurotropism Predominates in Choroid Plexus Epithelium. Cell Stem Cell, 2020, 27, 937-950.e9. | 5.2 | 314 |
| 29 | Epigenetic choreographers of neurogenesis in the adult mammalian brain. Nature Neuroscience, 2010, 13, 1338-1344. | 7.1 | 302 |
| 30 | Epigenetic mechanisms in neurogenesis. Nature Reviews Neuroscience, 2016, 17, 537-549. | 4.9 | 299 |
| 31 | Epitranscriptomic m6A Regulation of Axon Regeneration in the Adult Mammalian Nervous System. Neuron, 2018, 97, 313-325.e6. | 3.8 | 292 |
| 32 | DNA methylation presents distinct binding sites for human transcription factors. ELife, 2013, 2, e00726. | 2.8 | 292 |
| 33 | Adult neural stem cells in the mammalian central nervous system. Cell Research, 2009, 19, 672-682. | 5.7 | 284 |
| 34 | Identification of Astrocyte-expressed Factors That Modulate Neural Stem/Progenitor Cell Differentiation. Stem Cells and Development, 2006, 15, 407-421. | 1.1 | 273 |
| 35 | Sliced Human Cortical Organoids for Modeling Distinct Cortical Layer Formation. Cell Stem Cell, 2020, 26, 766-781.e9. | 5.2 | 268 |
| 36 | A nuclease that mediates cell death induced by DNA damage and poly(ADP-ribose) polymerase-1. Science, 2016, 354, . | 6.0 | 266 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | Modeling a Genetic Risk for Schizophrenia in iPSCs and Mice Reveals Neural Stem Cell Deficits Associated with Adherens Junctions and Polarity. <i>Cell Stem Cell</i> , 2014, 15, 79-91. | 5.2 | 238 |
| 38 | Role of Mitochondrial Metabolism in the Control of Early Lineage Progression and Aging Phenotypes in Adult Hippocampal Neurogenesis. <i>Neuron</i> , 2017, 93, 560-573.e6. | 3.8 | 221 |
| 39 | Emerging roles of TET proteins and 5-hydroxymethylcytosines in active DNA demethylation and beyond. <i>Cell Cycle</i> , 2011, 10, 2662-2668. | 1.3 | 219 |
| 40 | Spatial Representations of Granule Cells and Mossy Cells of the Dentate Gyrus. <i>Neuron</i> , 2017, 93, 677-690.e5. | 3.8 | 219 |
| 41 | Neuronal activity modifies the chromatin accessibility landscape in the adult brain. <i>Nature Neuroscience</i> , 2017, 20, 476-483. | 7.1 | 218 |
| 42 | Adult enteric nervous system in health is maintained by a dynamic balance between neuronal apoptosis and neurogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E3709-E3718. | 3.3 | 208 |
| 43 | Synaptic integration and plasticity of new neurons in the adult hippocampus. <i>Journal of Physiology</i> , 2008, 586, 3759-3765. | 1.3 | 204 |
| 44 | Using brain organoids to understand Zika virus-induced microcephaly. <i>Development (Cambridge)</i> , 2017, 144, 952-957. | 1.2 | 201 |
| 45 | Chordin-induced lineage plasticity of adult SVZ neuroblasts after demyelination. <i>Nature Neuroscience</i> , 2010, 13, 541-550. | 7.1 | 200 |
| 46 | Neurotransmitter-mediated control of neurogenesis in the adult vertebrate brain. <i>Development (Cambridge)</i> , 2013, 140, 2548-2561. | 1.2 | 198 |
| 47 | Interplay between DISC1 and GABA Signaling Regulates Neurogenesis in Mice and Risk for Schizophrenia. <i>Cell</i> , 2012, 148, 1051-1064. | 13.5 | 196 |
| 48 | A human brain microphysiological system derived from induced pluripotent stem cells to study neurological diseases and toxicity. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2017, 34, 362-376. | 0.9 | 195 |
| 49 | Glial influences on neural stem cell development: cellular niches for adult neurogenesis. <i>Current Opinion in Neurobiology</i> , 2005, 15, 514-520. | 2.0 | 192 |
| 50 | Parvalbumin interneurons mediate neuronal circuitryâ€œneurogenesis coupling in the adult hippocampus. <i>Nature Neuroscience</i> , 2013, 16, 1728-1730. | 7.1 | 191 |
| 51 | FMRP Modulates Neural Differentiation through m6A-Dependent mRNA Nuclear Export. <i>Cell Reports</i> , 2019, 28, 845-854.e5. | 2.9 | 188 |
| 52 | Development of hippocampal mossy fiber synaptic outputs by new neurons in the adult brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 14157-14162. | 3.3 | 186 |
| 53 | A Common Embryonic Origin of Stem Cells Drives Developmental and Adult Neurogenesis. <i>Cell</i> , 2019, 177, 654-668.e15. | 13.5 | 186 |
| 54 | Secreted Frizzled-Related Protein 3 Regulates Activity-Dependent Adult Hippocampal Neurogenesis. <i>Cell Stem Cell</i> , 2013, 12, 215-223. | 5.2 | 173 |

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|----|--|------|-----------|
| 55 | Tet3 regulates synaptic transmission and homeostatic plasticity via DNA oxidation and repair. <i>Nature Neuroscience</i> , 2015, 18, 836-843. | 7.1 | 164 |
| 56 | Zika-Virus-Encoded NS2A Disrupts Mammalian Cortical Neurogenesis by Degrading Adherens Junction Proteins. <i>Cell Stem Cell</i> , 2017, 21, 349-358.e6. | 5.2 | 163 |
| 57 | Role of Tet1 and 5-hydroxymethylcytosine in cocaine action. <i>Nature Neuroscience</i> , 2015, 18, 536-544. | 7.1 | 160 |
| 58 | Molecular signatures associated with ZIKV exposure in human cortical neural progenitors. <i>Nucleic Acids Research</i> , 2016, 44, 8610-8620. | 6.5 | 155 |
| 59 | Adult Neurogenesis and Psychiatric Disorders. <i>Cold Spring Harbor Perspectives in Biology</i> , 2016, 8, a019026. | 2.3 | 146 |
| 60 | Mapping cis-regulatory chromatin contacts in neural cells links neuropsychiatric disorder risk variants to target genes. <i>Nature Genetics</i> , 2019, 51, 1252-1262. | 9.4 | 139 |
| 61 | An Intrinsic Epigenetic Barrier for Functional Axon Regeneration. <i>Neuron</i> , 2017, 94, 337-346.e6. | 3.8 | 130 |
| 62 | Fragile X mental retardation protein modulates the stability of its m6A-marked messenger RNA targets. <i>Human Molecular Genetics</i> , 2018, 27, 3936-3950. | 1.4 | 129 |
| 63 | Emetine inhibits Zika and Ebola virus infections through two molecular mechanisms: inhibiting viral replication and decreasing viral entry. <i>Cell Discovery</i> , 2018, 4, 31. | 3.1 | 128 |
| 64 | How does Zika virus cause microcephaly?. <i>Genes and Development</i> , 2017, 31, 849-861. | 2.7 | 124 |
| 65 | Molecular landscapes of human hippocampal immature neurons across lifespan. <i>Nature</i> , 2022, 607, 527-533. | 13.7 | 116 |
| 66 | Robust Hi-C Maps of Enhancer-Promoter Interactions Reveal the Function of Non-coding Genome in Neural Development and Diseases. <i>Molecular Cell</i> , 2020, 79, 521-534.e15. | 4.5 | 110 |
| 67 | Tangential migration of neuronal precursors of glutamatergic neurons in the adult mammalian brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 9484-9489. | 3.3 | 109 |
| 68 | The Role of Epigenetic Mechanisms in the Regulation of Gene Expression in the Nervous System. <i>Journal of Neuroscience</i> , 2016, 36, 11427-11434. | 1.7 | 109 |
| 69 | DISC1 Regulates Neurogenesis via Modulating Kinetochore Attachment of Ndel1/Nde1 during Mitosis. <i>Neuron</i> , 2017, 96, 1041-1054.e5. | 3.8 | 109 |
| 70 | Therapeutic targeting of oxygen-sensing prolyl hydroxylases abrogates ATF4-dependent neuronal death and improves outcomes after brain hemorrhage in several rodent models. <i>Science Translational Medicine</i> , 2016, 8, 328ra29. | 5.8 | 106 |
| 71 | Advances in Zika Virus Research: Stem Cell Models, Challenges, and Opportunities. <i>Cell Stem Cell</i> , 2016, 19, 690-702. | 5.2 | 103 |
| 72 | Heterogeneity of Radial Glia-Like Cells in the Adult Hippocampus. <i>Stem Cells</i> , 2016, 34, 997-1010. | 1.4 | 103 |

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|----|---|-----|-----------|
| 73 | Neuronal Circuitry Mechanisms Regulating Adult Mammalian Neurogenesis. Cold Spring Harbor Perspectives in Biology, 2016, 8, a018937. | 2.3 | 95 |
| 74 | The TLX-miR-219 cascade regulates neural stem cell proliferation in neurodevelopment and schizophrenia iPSC model. Nature Communications, 2016, 7, 10965. | 5.8 | 95 |
| 75 | Generation and biobanking of patient-derived glioblastoma organoids and their application in CAR T cell testing. Nature Protocols, 2020, 15, 4000-4033. | 5.5 | 89 |
| 76 | Epigenetic mechanisms of neuroplasticity and the implications for stroke recovery. Experimental Neurology, 2015, 268, 37-45. | 2.0 | 88 |
| 77 | Applications of Human Brain Organoids to Clinical Problems. Developmental Dynamics, 2019, 248, 53-64. | 0.8 | 88 |
| 78 | New Neurons in the Adult Mammalian Brain: Synaptogenesis and Functional Integration. Journal of Neuroscience, 2005, 25, 10366-10368. | 1.7 | 87 |
| 79 | Epigenetic regulation of neurogenesis in the adult mammalian brain. European Journal of Neuroscience, 2011, 33, 1087-1093. | 1.2 | 87 |
| 80 | Zika virus directly infects peripheral neurons and induces cell death. Nature Neuroscience, 2017, 20, 1209-1212. | 7.1 | 85 |
| 81 | Brain-specific Crmp2 deletion leads to neuronal development deficits and behavioural impairments in mice. Nature Communications, 2016, 7, . | 5.8 | 84 |
| 82 | Nanoparticle technology and stem cell therapy team up against neurodegenerative disorders. Advanced Drug Delivery Reviews, 2019, 148, 239-251. | 6.6 | 83 |
| 83 | Lin28A Binds Active Promoters and Recruits Tet1 to Regulate Gene Expression. Molecular Cell, 2016, 61, 153-160. | 4.5 | 74 |
| 84 | Creating Patient-Specific Neural Cells for the In Vitro Study of Brain Disorders. Stem Cell Reports, 2015, 5, 933-945. | 2.3 | 72 |
| 85 | Modeling psychiatric disorders with patient-derived iPSCs. Current Opinion in Neurobiology, 2016, 36, 118-127. | 2.0 | 72 |
| 86 | Generation of hypothalamic arcuate organoids from human induced pluripotent stem cells. Cell Stem Cell, 2021, 28, 1657-1670.e10. | 5.2 | 72 |
| 87 | Epigenetics and epitranscriptomics in temporal patterning of cortical neural progenitor competence. Journal of Cell Biology, 2018, 217, 1901-1914. | 2.3 | 69 |
| 88 | Modeling synaptogenesis in schizophrenia and autism using human iPSC derived neurons. Molecular and Cellular Neurosciences, 2016, 73, 52-62. | 1.0 | 66 |
| 89 | Radial glial cells in the adult dentate gyrus: what are they and where do they come from?. F1000Research, 2018, 7, 277. | 0.8 | 65 |
| 90 | Autocrine Mfge8 Signaling Prevents Developmental Exhaustion of the Adult Neural Stem Cell Pool. Cell Stem Cell, 2018, 23, 444-452.e4. | 5.2 | 64 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 91 | Persistent Structural Plasticity Optimizes Sensory Information Processing in the Olfactory Bulb. <i>Neuron</i> , 2016, 91, 384-396. | 3.8 | 63 |
| 92 | Seamless Reconstruction of Intact Adult-Born Neurons by Serial End-Block Imaging Reveals Complex Axonal Guidance and Development in the Adult Hippocampus. <i>Journal of Neuroscience</i> , 2013, 33, 11400-11411. | 1.7 | 62 |
| 93 | Transplantation of Human Brain Organoids: Revisiting the Science and Ethics of Brain Chimeras. <i>Cell Stem Cell</i> , 2019, 25, 462-472. | 5.2 | 62 |
| 94 | Nr4a1 suppresses cocaine-induced behavior via epigenetic regulation of homeostatic target genes. <i>Nature Communications</i> , 2020, 11, 504. | 5.8 | 61 |
| 95 | Early postnatal exposure to isoflurane causes cognitive deficits and disrupts development of newborn hippocampal neurons via activation of the mTOR pathway. <i>PLoS Biology</i> , 2017, 15, e2001246. | 2.6 | 61 |
| 96 | Decoding neural transcriptomes and epigenomes via high-throughput sequencing. <i>Nature Neuroscience</i> , 2014, 17, 1463-1475. | 7.1 | 49 |
| 97 | Tumorigenicity of hypoxic respiring cancer cells revealed by a hypoxia-activated cell cycle dual reporter. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 12486-12491. | 3.3 | 48 |
| 98 | Zika Virus Infection Induces DNA Damage Response in Human Neural Progenitors That Enhances Viral Replication. <i>Journal of Virology</i> , 2019, 93, . | 1.5 | 45 |
| 99 | Synaptic dysfunction in complex psychiatric disorders: from genetics to mechanisms. <i>Genome Medicine</i> , 2018, 10, 9. | 3.6 | 44 |
| 100 | Tet1 oxidase regulates neuronal gene transcription, active DNA hydroxymethylation, object location memory, and threat recognition memory. <i>Neuroepigenetics</i> , 2015, 4, 12-27. | 2.8 | 42 |
| 101 | Diversity of Neural Precursors in the Adult Mammalian Brain. <i>Cold Spring Harbor Perspectives in Biology</i> , 2016, 8, a018838. | 2.3 | 42 |
| 102 | Dentate Gyrus Mossy Cells Share a Role in Pattern Separation with Dentate Granule Cells and Proximal CA3 Pyramidal Cells. <i>Journal of Neuroscience</i> , 2019, 39, 9570-9584. | 1.7 | 42 |
| 103 | Pathophysiology and Mechanisms of Zika Virus Infection in the Nervous System. <i>Annual Review of Neuroscience</i> , 2019, 42, 249-269. | 5.0 | 41 |
| 104 | Defects in dendrite and spine maturation and synaptogenesis associated with an anxious-depressive-like phenotype of GABAA receptor-deficient mice. <i>Neuropharmacology</i> , 2015, 88, 171-179. | 2.0 | 39 |
| 105 | Methylated cis-regulatory elements mediate KLF4-dependent gene transactivation and cell migration. <i>ELife</i> , 2017, 6, . | 2.8 | 39 |
| 106 | Clinical activity of the EGFR tyrosine kinase inhibitor osimertinib in EGFR-mutant glioblastoma. <i>CNS Oncology</i> , 2019, 8, CNS43. | 1.2 | 38 |
| 107 | Latent tri-lineage potential of adult hippocampal neural stem cells revealed by Nf1 inactivation. <i>Nature Neuroscience</i> , 2015, 18, 1722-1724. | 7.1 | 35 |
| 108 | Invited Review: Epigenetics in neurodevelopment. <i>Neuropathology and Applied Neurobiology</i> , 2020, 46, 6-27. | 1.8 | 34 |

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|-----|--|-----|-----------|
| 109 | Epigenetic regulation of axonal regenerative capacity. <i>Epigenomics</i> , 2016, 8, 1429-1442. | 1.0 | 33 |
| 110 | The epitranscriptome in stem cell biology and neural development. <i>Neurobiology of Disease</i> , 2020, 146, 105139. | 2.1 | 32 |
| 111 | In vivo clonal analysis reveals spatiotemporal regulation of thalamic nucleogenesis. <i>PLoS Biology</i> , 2018, 16, e2005211. | 2.6 | 30 |
| 112 | DNA modifications in the mammalian brain. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130512. | 1.8 | 29 |
| 113 | Zika Virus-Induced Neuronal Apoptosis via Increased Mitochondrial Fragmentation. <i>Frontiers in Microbiology</i> , 2020, 11, 598203. | 1.5 | 27 |
| 114 | Ontogeny of adult neural stem cells in the mammalian brain. <i>Current Topics in Developmental Biology</i> , 2021, 142, 67-98. | 1.0 | 27 |
| 115 | Genome-wide antagonism between 5-hydroxymethylcytosine and DNA methylation in the adult mouse brain. <i>Frontiers in Biology</i> , 2014, 9, 66-74. | 0.7 | 26 |
| 116 | Evaluating Neurodevelopmental Consequences of Perinatal Exposure to Antiretroviral Drugs: Current Challenges and New Approaches. <i>Journal of Neuroimmune Pharmacology</i> , 2021, 16, 113-129. | 2.1 | 26 |
| 117 | Tbr2-expressing intermediate progenitor cells in the adult mouse hippocampus are unipotent neuronal precursors with limited amplification capacity under homeostasis. <i>Frontiers in Biology</i> , 2015, 10, 262-271. | 0.7 | 25 |
| 118 | A septo-temporal molecular gradient of sfrp3 in the dentate gyrus differentially regulates quiescent adult hippocampal neural stem cell activation. <i>Molecular Brain</i> , 2015, 8, 52. | 1.3 | 25 |
| 119 | Differential Timing and Coordination of Neurogenesis and Astrogenesis in Developing Mouse Hippocampal Subregions. <i>Brain Sciences</i> , 2020, 10, 909. | 1.1 | 25 |
| 120 | Epitranscriptomes in the Adult Mammalian Brain: Dynamic Changes Regulate Behavior. <i>Neuron</i> , 2018, 99, 243-245. | 3.8 | 24 |
| 121 | Interplay between a Mental Disorder Risk Gene and Developmental Polarity Switch of GABA Action Leads to Excitation-Inhibition Imbalance. <i>Cell Reports</i> , 2019, 28, 1419-1428.e3. | 2.9 | 23 |
| 122 | Modeling neurological disorders using brain organoids. <i>Seminars in Cell and Developmental Biology</i> , 2021, 111, 4-14. | 2.3 | 23 |
| 123 | Adult neurogenesis and the dentate gyrus: Predicting function from form. <i>Behavioural Brain Research</i> , 2020, 379, 112346. | 1.2 | 22 |
| 124 | Structural interaction between DISC1 and ATF4 underlying transcriptional and synaptic dysregulation in an iPSC model of mental disorders. <i>Molecular Psychiatry</i> , 2021, 26, 1346-1360. | 4.1 | 22 |
| 125 | An all-to-all approach to the identification of sequence-specific readers for epigenetic DNA modifications on cytosine. <i>Nature Communications</i> , 2021, 12, 795. | 5.8 | 22 |
| 126 | Neural stem cells attacked by Zika virus. <i>Cell Research</i> , 2016, 26, 753-754. | 5.7 | 20 |

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|-----|--|-----|-----------|
| 127 | Novel Treatment for Glioblastoma Delivered by a Radiation Responsive and Radiopaque Hydrogel. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 3209-3220. | 2.6 | 20 |
| 128 | Disrupted-in-Schizophrenia-1 (DISC1) protein disturbs neural function in multiple disease-risk pathways. <i>Human Molecular Genetics</i> , 2017, 26, 2634-2648. | 1.4 | 19 |
| 129 | Multiplexed Biomarker Panels Discriminate Zika and Dengue Virus Infection in Humans. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 349-356. | 2.5 | 19 |
| 130 | Decoding neuronal composition and ontogeny of individual hypothalamic nuclei. <i>Neuron</i> , 2021, 109, 1150-1167.e6. | 3.8 | 18 |
| 131 | Flexible encoding of objects and space in single cells of the dentate gyrus. <i>Current Biology</i> , 2022, 32, 1088-1101.e5. | 1.8 | 18 |
| 132 | DNA damage and repair regulate neuronal gene expression. <i>Cell Research</i> , 2015, 25, 993-994. | 5.7 | 17 |
| 133 | Pharmacological rescue in patient iPSC and mouse models with a rare DISC1 mutation. <i>Nature Communications</i> , 2021, 12, 1398. | 5.8 | 17 |
| 134 | Applications of Brain Organoids for Infectious Diseases. <i>Journal of Molecular Biology</i> , 2022, 434, 167243. | 2.0 | 17 |
| 135 | Modeling traumatic brain injury with human brain organoids. <i>Current Opinion in Biomedical Engineering</i> , 2020, 14, 52-58. | 1.8 | 15 |
| 136 | Building the brain from scratch: Engineering region-specific brain organoids from human stem cells to study neural development and disease. <i>Current Topics in Developmental Biology</i> , 2021, 142, 477-530. | 1.0 | 15 |
| 137 | Application of niclosamide and analogs as small molecule inhibitors of Zika virus and SARS-CoV-2 infection. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 40, 127906. | 1.0 | 15 |
| 138 | High-Affinity Chimeric Antigen Receptor With Cross-Reactive scFv to Clinically Relevant EGFR Oncogenic Isoforms. <i>Frontiers in Oncology</i> , 2021, 11, 664236. | 1.3 | 14 |
| 139 | What Is the Relationship Between Hippocampal Neurogenesis Across Different Stages of the Lifespan?. <i>Frontiers in Neuroscience</i> , 2022, 16, . | 1.4 | 13 |
| 140 | Molecular Toggle Switch of Histone Demethylase LSD1. <i>Molecular Cell</i> , 2015, 57, 949-950. | 4.5 | 12 |
| 141 | PUS7: a targetable epitranscriptomic regulator of glioblastoma growth. <i>Trends in Pharmacological Sciences</i> , 2021, 42, 976-978. | 4.0 | 10 |
| 142 | 3D spatial genome organization in the nervous system: From development and plasticity to disease. <i>Neuron</i> , 2022, 110, 2902-2915. | 3.8 | 10 |
| 143 | Rheb1 mediates DISC1-dependent regulation of new neuron development in the adult hippocampus. <i>Neurogenesis (Austin, Tex)</i> , 2015, 2, e1081715. | 1.5 | 9 |
| 144 | CYFIP1 Dosages Exhibit Divergent Behavioral Impact via Diametric Regulation of NMDA Receptor Complex Translation in Mouse Models of Psychiatric Disorders. <i>Biological Psychiatry</i> , 2022, 92, 815-826. | 0.7 | 8 |

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|-----|--|------|-----------|
| 145 | Microglia modulate neurodevelopment in human neuroimmune organoids. <i>Cell Stem Cell</i> , 2021, 28, 2035-2036. | 5.2 | 8 |
| 146 | An Integrated Systems Biology Approach Identifies the Proteasome as A Critical Host Machinery for ZIKV and DENV Replication. <i>Genomics, Proteomics and Bioinformatics</i> , 2021, 19, 108-122. | 3.0 | 7 |
| 147 | Partitioning RNAs by length improves transcriptome reconstruction from short-read RNA-seq data. <i>Nature Biotechnology</i> , 2022, 40, 741-750. | 9.4 | 7 |
| 148 | Application of reprogrammed patient cells to investigate the etiology of neurological and psychiatric disorders. <i>Frontiers in Biology</i> , 2012, 7, 179-188. | 0.7 | 6 |
| 149 | Persistent Cyfip1 Expression Is Required to Maintain the Adult Subventricular Zone Neurogenic Niche. <i>Journal of Neuroscience</i> , 2020, 40, 2015-2024. | 1.7 | 6 |
| 150 | Using Two- and Three-Dimensional Human iPSC Culture Systems to Model Psychiatric Disorders. <i>Advances in Neurobiology</i> , 2020, 25, 237-257. | 1.3 | 6 |
| 151 | Setting the clock of neural progenitor cells during mammalian corticogenesis. <i>Seminars in Cell and Developmental Biology</i> , 2023, 142, 43-53. | 2.3 | 6 |
| 152 | Seeking a Roadmap toward Neuroepigenetics. <i>Neuron</i> , 2015, 86, 12-15. | 3.8 | 5 |
| 153 | What Makes Organoids Good Models of Human Neurogenesis?. <i>Frontiers in Neuroscience</i> , 2022, 16, 872794. | 1.4 | 5 |
| 154 | A diametric mode of neuronal circuitry-neurogenesis coupling in the adult hippocampus via parvalbumin interneurons. <i>Neurogenesis (Austin, Tex)</i> , 2014, 1, e29949. | 1.5 | 3 |
| 155 | Loss of chromatin modulator Dpy30 compromises proliferation and differentiation of postnatal neural stem cells. <i>Journal of Molecular Cell Biology</i> , 2020, 12, 2-3. | 1.5 | 3 |
| 156 | Seq-ing out cell types across the isocortex and hippocampal formation. <i>Cell</i> , 2021, 184, 3083-3085. | 13.5 | 3 |
| 157 | Experience Matters: Enrichment Remodels Synaptic Inputs to Adult-Born Neurons. <i>Neuron</i> , 2015, 85, 659-661. | 3.8 | 2 |
| 158 | A previously undetected pathology of Zika virus infection. <i>Nature Medicine</i> , 2018, 24, 258-259. | 15.2 | 2 |
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