

Robert P Machold

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

2,651
citations

567281

15
h-index

839539

18
g-index

24
all docs

24
docs citations

24
times ranked

4302
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Sonic Hedgehog Is Required for Progenitor Cell Maintenance in Telencephalic Stem Cell Niches. <i>Neuron</i> , 2003, 39, 937-950. | 8.1 | 651 |
| 2 | Genetic Fate Mapping Reveals That the Caudal Ganglionic Eminence Produces a Large and Diverse Population of Superficial Cortical Interneurons. <i>Journal of Neuroscience</i> , 2010, 30, 1582-1594. | 3.6 | 478 |
| 3 | Developmental diversification of cortical inhibitory interneurons. <i>Nature</i> , 2018, 555, 457-462. | 27.8 | 393 |
| 4 | Insulin enhances striatal dopamine release by activating cholinergic interneurons and thereby signals reward. <i>Nature Communications</i> , 2015, 6, 8543. | 12.8 | 210 |
| 5 | Innovations present in the primate interneuron repertoire. <i>Nature</i> , 2020, 586, 262-269. | 27.8 | 206 |
| 6 | Four Unique Interneuron Populations Reside in Neocortical Layer 1. <i>Journal of Neuroscience</i> , 2019, 39, 125-139. | 3.6 | 131 |
| 7 | <i>Prox1</i> Regulates the Subtype-Specific Development of Caudal Ganglionic Eminence-Derived GABAergic Cortical Interneurons. <i>Journal of Neuroscience</i> , 2015, 35, 12869-12889. | 3.6 | 104 |
| 8 | Single-cell delineation of lineage and genetic identity in the mouse brain. <i>Nature</i> , 2022, 601, 404-409. | 27.8 | 93 |
| 9 | Antagonism between Notch and bone morphogenetic protein receptor signaling regulates neurogenesis in the cerebellar rhombic lip. <i>Neural Development</i> , 2007, 2, 5. | 2.4 | 78 |
| 10 | Neocortical Layer 1: An Elegant Solution to Top-Down and Bottom-Up Integration. <i>Annual Review of Neuroscience</i> , 2021, 44, 221-252. | 10.7 | 57 |
| 11 | Developmental specification of forebrain cholinergic neurons. <i>Developmental Biology</i> , 2017, 421, 1-7. | 2.0 | 56 |
| 12 | Sleep down state-active ID2/Nrx2.1 interneurons in the neocortex. <i>Nature Neuroscience</i> , 2021, 24, 401-411. | 14.8 | 46 |
| 13 | FoxG1 regulates the formation of cortical GABAergic circuit during an early postnatal critical period resulting in autism spectrum disorder-like phenotypes. <i>Nature Communications</i> , 2021, 12, 3773. | 12.8 | 30 |
| 14 | Bottom-up inputs are required for establishment of top-down connectivity onto cortical layer 1 neurogliaform cells. <i>Neuron</i> , 2021, 109, 3473-3485.e5. | 8.1 | 30 |
| 15 | Conserved properties of <i>Drosophila</i> Insomniac link sleep regulation and synaptic function. <i>PLoS Genetics</i> , 2017, 13, e1006815. | 3.5 | 26 |
| 16 | Cellular birthdate predicts laminar and regional cholinergic projection topography in the forebrain. <i>ELife</i> , 2020, 9, . | 6.0 | 20 |
| 17 | Loss of rostral brainstem cholinergic activity results in decreased ultrasonic vocalization behavior and altered sensorimotor gating. <i>Behavioural Brain Research</i> , 2013, 256, 51-55. | 2.2 | 8 |
| 18 | Math1: Waiting to Inhale. <i>Neuron</i> , 2009, 64, 293-295. | 8.1 | 1 |