

Joshua J Breunig

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

3,955
citations

236925

25
h-index

182427

51
g-index

65
all docs

65
docs citations

65
times ranked

6690
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | Not(ch) just development: Notch signalling in the adult brain. <i>Nature Reviews Neuroscience</i> , 2011, 12, 269-283. | 10.2 | 384 |
| 2 | A Transgenic Alzheimer Rat with Plaques, Tau Pathology, Behavioral Impairment, Oligomeric A β 2, and Frank Neuronal Loss. <i>Journal of Neuroscience</i> , 2013, 33, 6245-6256. | 3.6 | 376 |
| 3 | Notch regulates cell fate and dendrite morphology of newborn neurons in the postnatal dentate gyrus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 20558-20563. | 7.1 | 364 |
| 4 | Numb and Numbl are required for maintenance of cadherin-based adhesion and polarity of neural progenitors. <i>Nature Neuroscience</i> , 2007, 10, 819-827. | 14.8 | 294 |
| 5 | Primary cilia regulate hippocampal neurogenesis by mediating sonic hedgehog signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 13127-13132. | 7.1 | 285 |
| 6 | In Vivo CRISPR/Cas9 Gene Editing Corrects Retinal Dystrophy in the S334ter-3 Rat Model of Autosomal Dominant Retinitis Pigmentosa. <i>Molecular Therapy</i> , 2016, 24, 556-563. | 8.2 | 255 |
| 7 | Decision by division: making cortical maps. <i>Trends in Neurosciences</i> , 2009, 32, 291-301. | 8.6 | 252 |
| 8 | The pRb/E2F cell-cycle pathway mediates cell death in Parkinson's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 3585-3590. | 7.1 | 245 |
| 9 | Neural Stem Cells: Historical Perspective and Future Prospects. <i>Neuron</i> , 2011, 70, 614-625. | 8.1 | 140 |
| 10 | Everything that Glitters Isn't Gold: A Critical Review of Postnatal Neural Precursor Analyses. <i>Cell Stem Cell</i> , 2007, 1, 612-627. | 11.1 | 129 |
| 11 | Arborization of Dendrites by Developing Neocortical Neurons Is Dependent on Primary Cilia and Type 3 Adenylyl Cyclase. <i>Journal of Neuroscience</i> , 2013, 33, 2626-2638. | 3.6 | 117 |
| 12 | Brain injury, neuroinflammation and Alzheimer's disease. <i>Frontiers in Aging Neuroscience</i> , 2013, 5, 26. | 3.4 | 87 |
| 13 | The <i>stumpy</i> gene is required for mammalian ciliogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 2853-2858. | 7.1 | 86 |
| 14 | FGF Signaling Expands Embryonic Cortical Surface Area by Regulating Notch-Dependent Neurogenesis. <i>Journal of Neuroscience</i> , 2011, 31, 15604-15617. | 3.6 | 85 |
| 15 | Nestin-CreER Mice Reveal DNA Synthesis by Nonapoptotic Neurons following Cerebral Ischemia—Hypoxia. <i>Cerebral Cortex</i> , 2007, 17, 2585-2592. | 2.9 | 78 |
| 16 | Development and distribution of neuronal cilia in mouse neocortex. <i>Journal of Comparative Neurology</i> , 2012, 520, 848-873. | 1.6 | 77 |
| 17 | Integrated single-cell transcriptome analysis reveals heterogeneity of esophageal squamous cell carcinoma microenvironment. <i>Nature Communications</i> , 2021, 12, 7335. | 12.8 | 69 |
| 18 | BCL6 promotes glioma and serves as a therapeutic target. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3981-3986. | 7.1 | 58 |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 19 | Metabolic characterization of isocitrate dehydrogenase (IDH) mutant and IDH wildtype gliomaspheres uncovers cell type-specific vulnerabilities. <i>Cancer & Metabolism</i> , 2018, 6, 4. | 5.0 | 55 |
| 20 | Splicing machinery dysregulation drives glioblastoma development/aggressiveness: oncogenic role of SRSF3. <i>Brain</i> , 2020, 143, 3273-3293. | 7.6 | 54 |
| 21 | Ets Factors Regulate Neural Stem Cell Depletion and Gliogenesis in Ras Pathway Glioma. <i>Cell Reports</i> , 2015, 12, 258-271. | 6.4 | 53 |
| 22 | T-cell TGF- β signaling abrogation restricts medulloblastoma progression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E3458-66. | 7.1 | 43 |
| 23 | A Transcriptional Regulatory Loop of Master Regulator Transcription Factors, PPARC, and Fatty Acid Synthesis Promotes Esophageal Adenocarcinoma. <i>Cancer Research</i> , 2021, 81, 1216-1229. | 0.9 | 41 |
| 24 | Rapid Generation of Somatic Mouse Mosaics with Locus-Specific, Stably Integrated Transgenic Elements. <i>Cell</i> , 2019, 179, 251-267.e24. | 28.9 | 40 |
| 25 | Glioma cell proliferation is enhanced in the presence of tumor-derived cilia vesicles. <i>Cilia</i> , 2018, 7, 6. | 1.8 | 30 |
| 26 | Inducible Expression of GDNF in Transplanted iPSC-Derived Neural Progenitor Cells. <i>Stem Cell Reports</i> , 2018, 10, 1696-1704. | 4.8 | 28 |
| 27 | Disruption of KIF3A in patient-derived glioblastoma cells: effects on ciliogenesis, hedgehog sensitivity, and tumorigenesis. <i>Oncotarget</i> , 2016, 7, 7029-7043. | 1.8 | 26 |
| 28 | Cilia in the brain: going with the flow. <i>Nature Neuroscience</i> , 2010, 13, 654-655. | 14.8 | 23 |
| 29 | Rapid genetic targeting of pial surface neural progenitors and immature neurons by neonatal electroporation. <i>Neural Development</i> , 2012, 7, 26. | 2.4 | 23 |
| 30 | Organoid and Organ-on-a-Chip Systems: New Paradigms for Modeling Neurological and Gastrointestinal Disease. <i>Current Stem Cell Reports</i> , 2017, 3, 98-111. | 1.6 | 22 |
| 31 | Failed Cytokinesis of Neural Progenitors in Citron Kinase-Deficient Rats Leads to Multiciliated Neurons. <i>Cerebral Cortex</i> , 2011, 21, 338-344. | 2.9 | 21 |
| 32 | SF3B1 inhibition disrupts malignancy and prolongs survival in glioblastoma patients through BCL2L1 splicing and mTOR/A γ -catenin pathways imbalances. <i>Journal of Experimental and Clinical Cancer Research</i> , 2022, 41, 39. | 8.6 | 19 |
| 33 | <i>In vivo</i> discovery of RNA proximal proteins via proximity-dependent biotinylation. <i>RNA Biology</i> , 2021, 18, 2203-2217. | 3.1 | 11 |
| 34 | Mutations within the Pathogenic Region of Herpes Simplex Virus 1 gK Signal Sequences Alter Cell Surface Expression and Neurovirulence. <i>Journal of Virology</i> , 2015, 89, 2530-2542. | 3.4 | 10 |
| 35 | A Transposon-Mediated System for Flexible Control of Transgene Expression in Stem and Progenitor-Derived Lineages. <i>Stem Cell Reports</i> , 2015, 4, 323-331. | 4.8 | 8 |
| 36 | Inflammation-induced Gro1 triggers senescence in neuronal progenitors: effects of estradiol. <i>Journal of Neuroinflammation</i> , 2018, 15, 260. | 7.2 | 8 |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 37 | Basic Biology and Mechanisms of Neural Ciliogenesis and the B9 Family. <i>Molecular Neurobiology</i> , 2012, 45, 564-570. | 4.0 | 7 |
| 38 | Lost highway(s): barriers to postnatal cortical neurogenesis and implications for brain repair. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 216. | 3.7 | 7 |
| 39 | Neurosurgery at the crossroads of immunology and nanotechnology. New reality in the COVID-19 pandemic. <i>Advanced Drug Delivery Reviews</i> , 2022, 181, 114033. | 13.7 | 5 |
| 40 | Neonatal Pial Surface Electroporation. <i>Journal of Visualized Experiments</i> , 2014, , . | 0.3 | 4 |
| 41 | Preparation, Assembly, and Transduction of Transgenic Elements Using Mosaic Analysis with Dual Recombinases (MADR). <i>STAR Protocols</i> , 2020, 1, 100199. | 1.2 | 4 |
| 42 | In utero electroporation-based translating ribosome affinity purification identifies age-dependent mRNA expression in cortical pyramidal neurons. <i>Neuroscience Research</i> , 2019, 143, 44-52. | 1.9 | 3 |
| 43 | De Novo Generation of Murine and Human MADR Recipient Cell Lines for Locus-Specific, Stable Integration of Transgenic Elements. <i>STAR Protocols</i> , 2020, 1, 100184. | 1.2 | 3 |
| 44 | Notch and neural development. , 2020, , 285-310. | | 3 |
| 45 | First-line Immune Checkpoint Inhibitor Combinations in Metastatic Renal Cell Carcinoma: Where Are We Going, Where Have We Been?. <i>Drugs</i> , 2022, 82, 439-453. | 10.9 | 3 |
| 46 | Glowing Green Pyramids: A False Positive for Neocortical Neurogenesis Reveals a Novel Neuronal-Microglial Fusion in the Postnatal Brain. <i>Journal of Neuroscience</i> , 2007, 27, 1507-1508. | 3.6 | 1 |
| 47 | Profiling Identifies Precursor Suspects: Notch Family Again!. <i>Cell Stem Cell</i> , 2010, 6, 401-402. | 11.1 | 1 |
| 48 | Coordinating Migratory Neuron Polarization by Numb-ing Communication. <i>Developmental Cell</i> , 2011, 20, 578-580. | 7.0 | 1 |
| 49 | Tetracycline-Inducible and Reversible Stable Gene Expression in Human iPSC-Derived Neural Progenitors and in the Postnatal Mouse Brain. <i>Current Protocols in Stem Cell Biology</i> , 2017, 41, 5A.9.1-5A.9.12. | 3.0 | 1 |
| 50 | TMOD-08. INVESTIGATING PEDIATRIC GBM USING IN VIVO SOMATIC MOUSE MOSAICS WITH LOCUS-SPECIFIC, STABLY-INTEGRATED TRANSGENIC ELEMENTS. <i>Neuro-Oncology</i> , 2017, 19, iv50-iv50. | 1.2 | 1 |
| 51 | RELA Fusion-Positive Ependymoma in a Child with Down Syndrome: A Case Report. <i>Pediatric Neurosurgery</i> , 2021, 56, 146-151. | 0.7 | 1 |
| 52 | Primary Cilia in Cerebral Cortex: Growth and Functions on Neuronal and Non-neuronal Cells. , 2013, , 105-129. | | 1 |
| 53 | Ets Factors Regulate Neural Stem Cell Depletion and Gliogenesis in Ras Pathway Glioma. <i>Cell Reports</i> , 2016, 14, 401. | 6.4 | 0 |
| 54 | Lethal Giant Lineage Tracing: Mutating Locally, Acting Globally. <i>Neuron</i> , 2017, 94, 417-420. | 8.1 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | CBIO-22. PATIENT-DERIVED GLIOBLASTOMA CELLS RELEASE CILIARY VESICLES THAT STIMULATE TUMOR CELL PROLIFERATION. <i>Neuro-Oncology</i> , 2017, 19, vi37-vi37. | 1.2 | 0 |
| 56 | PDTM-03. CREDENTIALING NOVEL PEDIATRIC GLIOMA MODELS. <i>Neuro-Oncology</i> , 2018, 20, vi204-vi204. | 1.2 | 0 |
| 57 | NGMA-4. Creation of a MADR brain tumor single-cell atlas for examination of inter-/intratumor heterogeneity and the results of genetic perturbations in a diverse array of brain tumor subtypes. <i>Neuro-Oncology Advances</i> , 2021, 3, ii5-ii5. | 0.7 | 0 |