

Amy R Nelson

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11357836/publications.pdf>

Version: 2024-02-01

23
papers

7,193
citations

516561

16
h-index

713332

21
g-index

24
all docs

24
docs citations

24
times ranked

10332
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Blood-Brain Barrier: From Physiology to Disease and Back. <i>Physiological Reviews</i> , 2019, 99, 21-78. | 13.1 | 1,232 |
| 2 | Establishment and Dysfunction of the Blood-Brain Barrier. <i>Cell</i> , 2015, 163, 1064-1078. | 13.5 | 1,146 |
| 3 | Blood-brain barrier breakdown is an early biomarker of human cognitive dysfunction. <i>Nature Medicine</i> , 2019, 25, 270-276. | 15.2 | 987 |
| 4 | Cerebral blood flow regulation and neurovascular dysfunction in Alzheimer disease. <i>Nature Reviews Neuroscience</i> , 2017, 18, 419-434. | 4.9 | 842 |
| 5 | APOE4 leads to blood-brain barrier dysfunction predicting cognitive decline. <i>Nature</i> , 2020, 581, 71-76. | 13.7 | 705 |
| 6 | GLUT1 reductions exacerbate Alzheimer's disease vasculo-neuronal dysfunction and degeneration. <i>Nature Neuroscience</i> , 2015, 18, 521-530. | 7.1 | 496 |
| 7 | Haploinsufficiency leads to neurodegeneration in C9ORF72 ALS/FTD human induced motor neurons. <i>Nature Medicine</i> , 2018, 24, 313-325. | 15.2 | 445 |
| 8 | Neurovascular dysfunction and neurodegeneration in dementia and Alzheimer's disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016, 1862, 887-900. | 1.8 | 405 |
| 9 | Pericyte degeneration leads to neurovascular uncoupling and limits oxygen supply to brain. <i>Nature Neuroscience</i> , 2017, 20, 406-416. | 7.1 | 383 |
| 10 | Impaired vascular-mediated clearance of brain amyloid beta in Alzheimer's disease: the role, regulation and restoration of LRP1. <i>Frontiers in Aging Neuroscience</i> , 2015, 7, 136. | 1.7 | 160 |
| 11 | O-GlcNAcylation of AMPA Receptor GluA2 Is Associated with a Novel Form of Long-Term Depression at Hippocampal Synapses. <i>Journal of Neuroscience</i> , 2014, 34, 10-21. | 1.7 | 85 |
| 12 | Role of clusterin in the brain vascular clearance of amyloid- β . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 8681-8682. | 3.3 | 79 |
| 13 | Duration of estrogen deprivation, not chronological age, prevents estrogen's ability to enhance hippocampal synaptic physiology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 19543-19548. | 3.3 | 77 |
| 14 | Channelrhodopsin Excitation Contracts Brain Pericytes and Reduces Blood Flow in the Aging Mouse Brain in vivo. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 108. | 1.7 | 56 |
| 15 | Noradrenergic Sympathetic Sprouting and Cholinergic Reinnervation Maintains Non-Amyloidogenic Processing of A β PP. <i>Journal of Alzheimer's Disease</i> , 2013, 38, 867-879. | 1.2 | 21 |
| 16 | Combination of conditionally replicative adenovirus and standard chemotherapies shows synergistic antitumor effect in pancreatic cancer. <i>Cancer Science</i> , 2009, 100, 2181-2187. | 1.7 | 19 |
| 17 | Cytotoxic tau released from lung microvascular endothelial cells upon infection with <i>Pseudomonas aeruginosa</i> promotes neuronal tauopathy. <i>Journal of Biological Chemistry</i> , 2022, 298, 101482. | 1.6 | 14 |
| 18 | Alpha1-Adrenergic Receptor Mediated Long-Term Depression at CA3-CA1 Synapses Can Be Induced via Accumulation of Endogenous Norepinephrine and Is Preserved Following Noradrenergic Denervation. <i>Frontiers in Synaptic Neuroscience</i> , 2019, 11, 27. | 1.3 | 10 |

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|----|---|-----|-----------|
| 19 | Vascular cognitive impairment and dementia: An early career researcher perspective. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2022, 14, e12310. | 1.2 | 10 |
| 20 | Peripheral Pathways to Neurovascular Unit Dysfunction, Cognitive Impairment, and Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 858429. | 1.7 | 9 |
| 21 | Neurovascular Dysfunction in Diverse Communities With Health Disparities' Contributions to Dementia and Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 0, 16, . | 1.4 | 6 |
| 22 | Prion Protein Antagonists Rescue Alzheimer's Amyloid- β -Related Cognitive Deficits. <i>Trends in Molecular Medicine</i> , 2019, 25, 74-76. | 3.5 | 5 |
| 23 | P4527: PERICYTE CONTRACTILITY BY OPTOGENETICS REGULATES CAPILLARY DIAMETER AND BLOOD FLOW. <i>Alzheimer's and Dementia</i> , 2019, 15, P1516. | 0.4 | 0 |