

# Amy R Nelson

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

23  
papers

4,447  
citations

15  
h-index

24  
g-index

24  
ext. papers

5,915  
ext. citations

18.2  
avg, IF

5.96  
L-index

#	Paper	IF	Citations
23	Establishment and Dysfunction of the Blood-Brain Barrier. <i>Cell</i> , <b>2015</b> , 163, 1064-1078	56.2	789
22	Blood-Brain Barrier: From Physiology to Disease and Back. <i>Physiological Reviews</i> , <b>2019</b> , 99, 21-78	47.9	647
21	Blood-brain barrier breakdown is an early biomarker of human cognitive dysfunction. <i>Nature Medicine</i> , <b>2019</b> , 25, 270-276	50.5	577
20	Cerebral blood flow regulation and neurovascular dysfunction in Alzheimer disease. <i>Nature Reviews Neuroscience</i> , <b>2017</b> , 18, 419-434	13.5	538
19	APOE4 leads to blood-brain barrier dysfunction predicting cognitive decline. <i>Nature</i> , <b>2020</b> , 581, 71-76	50.4	356
18	GLUT1 reductions exacerbate Alzheimer's disease vasculo-neuronal dysfunction and degeneration. <i>Nature Neuroscience</i> , <b>2015</b> , 18, 521-530	25.5	350
17	Pericyte degeneration leads to neurovascular uncoupling and limits oxygen supply to brain. <i>Nature Neuroscience</i> , <b>2017</b> , 20, 406-416	25.5	279
16	Haploinsufficiency leads to neurodegeneration in C9ORF72 ALS/FTD human induced motor neurons. <i>Nature Medicine</i> , <b>2018</b> , 24, 313-325	50.5	270
15	Neurovascular dysfunction and neurodegeneration in dementia and Alzheimer's disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2016</b> , 1862, 887-900	6.9	269
14	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> , <b>2015</b> , 7, 136	5.3	117
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> , <b>2010</b> , 107, 19543-8	11.5	71
12	O-GlcNAcylation of AMPA receptor GluA2 is associated with a novel form of long-term depression at hippocampal synapses. <i>Journal of Neuroscience</i> , <b>2014</b> , 34, 10-21	6.6	60
11	Role of clusterin in the brain vascular clearance of amyloid- $\beta$ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 8681-8682	11.5	52
10	Channelrhodopsin Excitation Contracts Brain Pericytes and Reduces Blood Flow in the Aging Mouse Brain. <i>Frontiers in Aging Neuroscience</i> , <b>2020</b> , 12, 108	5.3	34
9	Combination of conditionally replicative adenovirus and standard chemotherapies shows synergistic antitumor effect in pancreatic cancer. <i>Cancer Science</i> , <b>2009</b> , 100, 2181-7	6.9	16
8	Noradrenergic sympathetic sprouting and cholinergic reinnervation maintains non-amyloidogenic processing of A $\beta$ . <i>Journal of Alzheimer's Disease</i> , <b>2014</b> , 38, 867-79	4.3	10
7	Alpha1-Adrenergic Receptor Mediated Long-Term Depression at CA3-CA1 Synapses Can Be Induced Accumulation of Endogenous Norepinephrine and Is Preserved Following Noradrenergic Denervation. <i>Frontiers in Synaptic Neuroscience</i> , <b>2019</b> , 11, 27	3.5	7

6	Prion Protein Antagonists Rescue Alzheimer's Amyloid- $\beta$ -Related Cognitive Deficits. <i>Trends in Molecular Medicine</i> , <b>2019</b> , 25, 74-76	11.5	3
5	Cytotoxic tau released from lung microvascular endothelial cells upon infection with <i>Pseudomonas aeruginosa</i> promotes neuronal tauopathy.. <i>Journal of Biological Chemistry</i> , <b>2021</b> , 298, 101482	5.4	1
4	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		1
3	Peripheral Pathways to Neurovascular Unit Dysfunction, Cognitive Impairment, and Alzheimer's Disease.. <i>Frontiers in Aging Neuroscience</i> , <b>2022</b> , 14, 858429	5.3	0
2	Vascular cognitive impairment and dementia: An early career researcher perspective.. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , <b>2022</b> , 14, e12310	5.2	0
1	P4-527: PERICYTE CONTRACTILITY BY OPTOGENETICS REGULATES CAPILLARY DIAMETER AND BLOOD FLOW <b>2019</b> , 15, P1516-P1516		