

# Sowmya V Yelamanchili

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

1,172  
citations

430442

18  
h-index

414034

32  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1894  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mesenchymal Stem Cell-Derived Extracellular Vesicles: Challenges in Clinical Applications. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 149.	1.8	218
2	Traumatic brain injury increases levels of miR-21 in extracellular vesicles: implications for neuroinflammation. <i>FEBS Open Bio</i> , 2016, 6, 835-846.	1.0	127
3	The synaptophysin/synaptobrevin interaction critically depends on the cholesterol content. <i>Journal of Neurochemistry</i> , 2002, 84, 35-42.	2.1	109
4	MiR-21 in Extracellular Vesicles Leads to Neurotoxicity via TLR7 Signaling in SIV Neurological Disease. <i>PLoS Pathogens</i> , 2015, 11, e1005032.	2.1	103
5	Upregulation of microRNA-142 in simian immunodeficiency virus encephalitis leads to repression of sirtuin1. <i>FASEB Journal</i> , 2013, 27, 3720-3729.	0.2	66
6	Extracellular Vesicles as Drug Delivery Vehicles to the Central Nervous System. <i>Journal of NeuroImmune Pharmacology</i> , 2020, 15, 443-458.	2.1	50
7	Combined fluorescent in situ hybridization for detection of microRNAs and immunofluorescent labeling for cell-type markers. <i>Frontiers in Cellular Neuroscience</i> , 2013, 7, 160.	1.8	43
8	The synaptophysin/synaptobrevin complex dissociates independently of neuroexocytosis. <i>Journal of Neurochemistry</i> , 2004, 90, 1-8.	2.1	39
9	Brain-Derived Extracellular Vesicle microRNA Signatures Associated with In Utero and Postnatal Oxycodone Exposure. <i>Cells</i> , 2020, 9, 21.	1.8	38
10	Differential Sorting of the Vesicular Glutamate Transporter 1 into a Defined Vesicular Pool Is Regulated by Light Signaling Involving the Clock Gene <i>Period2</i> . <i>Journal of Biological Chemistry</i> , 2006, 281, 15671-15679.	1.6	37
11	Induction of miR-155 after Brain Injury Promotes Type 1 Interferon and has a Neuroprotective Effect. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 228.	1.4	35
12	Upregulation of cathepsin D in the caudate nucleus of primates with experimental parkinsonism. <i>Molecular Neurodegeneration</i> , 2011, 6, 52.	4.4	32
13	The C-terminal transmembrane region of synaptobrevin binds synaptophysin from adult synaptic vesicles. <i>European Journal of Cell Biology</i> , 2005, 84, 467-475.	1.6	31
14	Role of microRNAs in the pathophysiology of addiction. <i>Wiley Interdisciplinary Reviews RNA</i> , 2021, 12, e1637.	3.2	27
15	Time of Day-dependent Sorting of the Vesicular Glutamate Transporter to the Plasma Membrane. <i>Journal of Biological Chemistry</i> , 2009, 284, 4300-4307.	1.6	23
16	Characterization of the intergenerational impact of in utero and postnatal oxycodone exposure. <i>Translational Psychiatry</i> , 2020, 10, 329.	2.4	23
17	Defining Larger Roles for "Tiny" RNA Molecules: Role of miRNAs in Neurodegeneration Research. <i>Journal of NeuroImmune Pharmacology</i> , 2010, 5, 63-69.	2.1	22
18	A comprehensive study to delineate the role of an extracellular vesicle-associated microRNA-29a in chronic methamphetamine use disorder. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12177.	5.5	22

#	ARTICLE	IF	CITATIONS
19	Downregulation of an Evolutionary Young miR-1290 in an iPSC-Derived Neural Stem Cell Model of Autism Spectrum Disorder. <i>Stem Cells International</i> , 2019, 2019, 1-15.	1.2	21
20	MicroRNA cluster miR199a/214 are differentially expressed in female and male rats following nicotine self-administration. <i>Scientific Reports</i> , 2018, 8, 17464.	1.6	20
21	Comprehensive Characterization of Nanosized Extracellular Vesicles from Central and Peripheral Organs: Implications for Preclinical and Clinical Applications. <i>ACS Applied Nano Materials</i> , 2020, 3, 8906-8919.	2.4	12
22	A Holistic Systems Approach to Characterize the Impact of Pre- and Post-natal Oxycodone Exposure on Neurodevelopment and Behavior. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 619199.	1.8	12
23	Role of Brain Derived Extracellular Vesicles in Decoding Sex Differences Associated with Nicotine Self-Administration. <i>Cells</i> , 2020, 9, 1883.	1.8	11
24	Extracellular Vesicles from Infected Cells Are Released Prior to Virion Release. <i>Cells</i> , 2021, 10, 781.	1.8	10
25	Role of Extracellular Vesicles in Substance Abuse and HIV-Related Neurological Pathologies. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6765.	1.8	9
26	Methamphetamine Induces the Release of Proadhesive Extracellular Vesicles and Promotes Syncytia Formation: A Potential Role in HIV-1 Neuropathogenesis. <i>Viruses</i> , 2022, 14, 550.	1.5	6
27	Generational Effects of Opioid Exposure. <i>Encyclopedia</i> , 2021, 1, 99-114.	2.4	5
28	Integrated Systems Analysis of Mixed Neuroglial Cultures Proteome Post Oxycodone Exposure. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6421.	1.8	5
29	Distinct Synaptic Vesicle Proteomic Signatures Associated with Pre- and Post-Natal Oxycodone-Exposure. <i>Cells</i> , 2022, 11, 1740.	1.8	3
30	The 26 <sup>th</sup> Scientific Conference of the Society on NeuroImmune Pharmacology: College of Pharmacy, University of Tennessee Health Science Center, Memphis, TN, June 1-3, 2022. , 2022, .		0