

Rita Sattler

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11181385/publications.pdf>

Version: 2024-02-01

38
papers

5,530
citations

236833

25
h-index

330025

37
g-index

41
all docs

41
docs citations

41
times ranked

7626
citing authors

#	ARTICLE	IF	CITATIONS
1	The C9orf72 repeat expansion disrupts nucleocytoplasmic transport. <i>Nature</i> , 2015, 525, 56-61.	13.7	835
2	RNA Toxicity from the ALS/FTD C9ORF72 Expansion Is Mitigated by Antisense Intervention. <i>Neuron</i> , 2013, 80, 415-428.	3.8	785
3	C9orf72 nucleotide repeat structures initiate molecular cascades of disease. <i>Nature</i> , 2014, 507, 195-200.	13.7	779
4	Molecular Mechanisms of Glutamate Receptor-Mediated Excitotoxic Neuronal Cell Death. <i>Molecular Neurobiology</i> , 2001, 24, 107-130.	1.9	474
5	Molecular mechanisms of calcium-dependent excitotoxicity. <i>Journal of Molecular Medicine</i> , 2000, 78, 3-13.	1.7	406
6	TDP-43 pathology disrupts nuclear pore complexes and nucleocytoplasmic transport in ALS/FTD. <i>Nature Neuroscience</i> , 2018, 21, 228-239.	7.1	404
7	Distinct Influx Pathways, Not Calcium Load, Determine Neuronal Vulnerability to Calcium Neurotoxicity. <i>Journal of Neurochemistry</i> , 1998, 71, 2349-2364.	2.1	234
8	Distinct Roles of Synaptic and Extrasynaptic NMDA Receptors in Excitotoxicity. <i>Journal of Neuroscience</i> , 2000, 20, 22-33.	1.7	227
9	Human Stem Cell-Derived Spinal Cord Astrocytes with Defined Mature or Reactive Phenotypes. <i>Cell Reports</i> , 2013, 4, 1035-1048.	2.9	175
10	Artificial intelligence in neurodegenerative disease research: use of IBM Watson to identify additional RNA-binding proteins altered in amyotrophic lateral sclerosis. <i>Acta Neuropathologica</i> , 2018, 135, 227-247.	3.9	116
11	Persistent hippocampal CA1 LTP in mice lacking the C-terminal PDZ ligand of GluR1. <i>Nature Neuroscience</i> , 2005, 8, 985-987.	7.1	93
12	Harmine, a natural beta-carboline alkaloid, upregulates astroglial glutamate transporter expression. <i>Neuropharmacology</i> , 2011, 60, 1168-1175.	2.0	87
13	Post-transcriptional Inhibition of Hsc70-4/HSPA8 Expression Leads to Synaptic Vesicle Cycling Defects in Multiple Models of ALS. <i>Cell Reports</i> , 2017, 21, 110-125.	2.9	83
14	Glycolysis upregulation is neuroprotective as a compensatory mechanism in ALS. <i>ELife</i> , 2019, 8, .	2.8	76
15	Synaptic dysfunction and altered excitability in C9ORF72 ALS/FTD. <i>Brain Research</i> , 2018, 1693, 98-108.	1.1	65
16	Molecularly defined cortical astroglia subpopulation modulates neurons via secretion of Norrin. <i>Nature Neuroscience</i> , 2019, 22, 741-752.	7.1	64
17	GluR1 Controls Dendrite Growth through Its Binding Partner, SAP97. <i>Journal of Neuroscience</i> , 2008, 28, 10220-10233.	1.7	60
18	The Influence of Glutamate Receptor 2 Expression on Excitotoxicity in GluR2 Null Mutant Mice. <i>Journal of Neuroscience</i> , 2001, 21, 2224-2239.	1.7	53

#	ARTICLE	IF	CITATIONS
19	ADAR2 mislocalization and widespread RNA editing aberrations in C9orf72-mediated ALS/FTD. <i>Acta Neuropathologica</i> , 2019, 138, 49-65.	3.9	48
20	A Comprehensive Library of Familial Human Amyotrophic Lateral Sclerosis Induced Pluripotent Stem Cells. <i>PLoS ONE</i> , 2015, 10, e0118266.	1.1	45
21	Reactivation of nonsense-mediated mRNA decay protects against C9orf72 dipeptide-repeat neurotoxicity. <i>Brain</i> , 2019, 142, 1349-1364.	3.7	45
22	Determination of the Time Course and Extent of Neurotoxicity at Defined Temperatures in Cultured Neurons Using a Modified Multiwell Plate Fluorescence Scanner. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1997, 17, 455-463.	2.4	38
23	transporter-mediated cystine uptake by sulfasalazine analogs. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 6184-6187.	1.0	34
24	Characterization of Neuroprotection from Excitotoxicity by Moderate and Profound Hypothermia in Cultured Cortical Neurons Unmasks a Temperature-Insensitive Component of Glutamate Neurotoxicity. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1998, 18, 848-867.	2.4	31
25	Representing Diversity in the Dish: Using Patient-Derived in Vitro Models to Recreate the Heterogeneity of Neurological Disease. <i>Frontiers in Neuroscience</i> , 2018, 12, 56.	1.4	29
26	The transcription factor Pax6 contributes to the induction of GLT-1 expression in astrocytes through an interaction with a distal enhancer element. <i>Journal of Neurochemistry</i> , 2016, 136, 262-275.	2.1	28
27	Generation of GFP::GFAP astrocyte reporter lines from human adult fibroblast-derived PS cells using zinc finger nuclease technology. <i>Glia</i> , 2016, 64, 63-75.	2.5	26
28	Biomarker development for C9orf72 repeat expansion in ALS. <i>Brain Research</i> , 2015, 1607, 26-35.	1.1	25
29	Increased expression of glutamate transporter GLT-1 in peritumoral tissue associated with prolonged survival and decreases in tumor growth in a rat model of experimental malignant glioma. <i>Journal of Neurosurgery</i> , 2013, 119, 878-886.	0.9	24
30	The Hitchhiker's Guide to Nucleocytoplasmic Trafficking in Neurodegeneration. <i>Neurochemical Research</i> , 2020, 45, 1306-1327.	1.6	22
31	Human nasal olfactory epithelium as a dynamic marker for CNS therapy development. <i>Experimental Neurology</i> , 2011, 232, 203-211.	2.0	21
32	Targeting an Old Mechanism in a New Disease: Protection of Glutamatergic Dysfunction in Depression. <i>Biological Psychiatry</i> , 2007, 61, 137-138.	0.7	20
33	Recent advances in understanding amyotrophic lateral sclerosis and emerging therapies. <i>Faculty Reviews</i> , 2020, 9, 12.	1.7	17
34	High-Throughput Assay Development for Cystine-Glutamate Antiporter (xc-) Highlights Faster Cystine Uptake than Glutamate Release in Glioma Cells. <i>PLoS ONE</i> , 2015, 10, e0127785.	1.1	14
35	Aberrant RNA homeostasis in amyotrophic lateral sclerosis: potential for new therapeutic targets?. <i>Neurodegenerative Disease Management</i> , 2014, 4, 417-437.	1.2	13
36	RNA Editing Deficiency in Neurodegeneration. <i>Advances in Neurobiology</i> , 2018, 20, 63-83.	1.3	13

#	ARTICLE	IF	CITATIONS
37	The M1311V variant of ATP7A is associated with impaired trafficking and copper homeostasis in models of motor neuron disease. <i>Neurobiology of Disease</i> , 2021, 149, 105228.	2.1	12
38	Glial Glutamate and Metabolic Transporters as a Target for Neurodegenerative Therapy and Biomarkers. , 2014, , 61-88.		0