Armaz Aschrafi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9138845/publications.pdf

Version: 2024-02-01

48 papers	2,775 citations	159585 30 h-index	206112 48 g-index
48 all docs	48 docs citations	48 times ranked	4217 citing authors

#	Article	IF	Citations
1	MicroRNA-338 Regulates Local CytochromecOxidase IV mRNA Levels and Oxidative Phosphorylation in the Axons of Sympathetic Neurons. Journal of Neuroscience, 2008, 28, 12581-12590.	3.6	235
2	Cold stress-induced protein Rbm3 binds 60S ribosomal subunits, alters microRNA levels, and enhances global protein synthesis. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 1865-1870.	7.1	203
3	MicroRNA networks direct neuronal development and plasticity. Cellular and Molecular Life Sciences, 2012, 69, 89-102.	5.4	202
4	Identification and quantitative analyses of microRNAs located in the distal axons of sympathetic neurons. Rna, 2010, 16, 1516-1529.	3.5	163
5	Chromosome 1p21.3 microdeletions comprising DPYD and MIR137 are associated with intellectual disability. Journal of Medical Genetics, 2011, 48, 810-818.	3.2	146
6	The fragile X mental retardation protein and group I metabotropic glutamate receptors regulate levels of mRNA granules in brain. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 2180-2185.	7.1	133
7	Trimeric Architecture of Homomeric P2X2 and Heteromeric P2X1+2 Receptor Subtypes. Journal of Molecular Biology, 2004, 342, 333-343.	4.2	113
8	MicroRNA-338 regulates the axonal expression of multiple nuclear-encoded mitochondrial mRNAs encoding subunits of the oxidative phosphorylation machinery. Cellular and Molecular Life Sciences, 2012, 69, 4017-4027.	5.4	96
9	MicroRNA-137 Controls AMPA-Receptor-Mediated Transmission and mGluR-Dependent LTD. Cell Reports, 2015, 11, 1876-1884.	6.4	82
10	Two isoforms of the cold-inducible mRNA-binding protein RBM3 localize to dendrites and promote translation. Journal of Neurochemistry, 2007, 101, 1367-1379.	3.9	78
11	ATP Potentiates Interleukin-1Î²-induced MMP-9 Expression in Mesangial Cells via Recruitment of the ELAV Protein HuR. Journal of Biological Chemistry, 2003, 278, 51758-51769.	3.4	77
12	Unveiling the principle of microRNA-mediated redundancy in cellular pathway regulation. RNA Biology, 2015, 12, 238-247.	3.1	69
13	A Potential Regulatory Role for Intronic microRNA-338-3p for Its Host Gene Encoding Apoptosis-Associated Tyrosine Kinase. PLoS ONE, 2012, 7, e31022.	2.5	65
14	Regulation of axonal trafficking of cytochrome c oxidase IV mRNA. Molecular and Cellular Neurosciences, 2010, 43, 422-430.	2.2	61
15	A functional highâ€content miRNA screen identifies miRâ€30 family to boost recombinant protein production in CHO cells. Biotechnology Journal, 2014, 9, 1279-1292.	3.5	58
16	Local translation of ATP synthase subunit 9 mRNA alters ATP levels and the production of ROS in the axon. Molecular and Cellular Neurosciences, 2012, 49, 263-270.	2.2	55
17	Roles of Individual N-Glycans for ATP Potency and Expression of the Rat P2X1 Receptor. Journal of Biological Chemistry, 2000, 275, 33542-33547.	3.4	54
18	Nitric Oxide Induces Degradation of the Neutral Ceramidase in Rat Renal Mesangial Cells and Is Counterregulated by Protein Kinase C. Journal of Biological Chemistry, 2002, 277, 46184-46190.	3.4	53

#	Article	IF	Citations
19	MicroRNAs in the axon and presynaptic nerve terminal. Frontiers in Cellular Neuroscience, 2013, 7, 126.	3.7	53
20	Long non-coding RNAs in neurodevelopmental disorders. Frontiers in Molecular Neuroscience, 2013, 6, 53.	2.9	53
21	P2X5 Subunit Assembly Requires Scaffolding by the Second Transmembrane Domain and a Conserved Aspartate. Journal of Biological Chemistry, 2006, 281, 39561-39572.	3.4	47
22	MicroRNAs in Palatogenesis and Cleft Palate. Frontiers in Physiology, 2017, 8, 165.	2.8	47
23	Axonal Protein Synthesis and the Regulation of Local Mitochondrial Function. Results and Problems in Cell Differentiation, 2009, 48, 1-25.	0.7	45
24	Elevated microRNA-181c and microRNA-30d levels in the enlarged amygdala of the valproic acid rat model of autism. Neurobiology of Disease, 2015, 80, 42-53.	4.4	42
25	The local expression and trafficking of tyrosine hydroxylase mRNA in the axons of sympathetic neurons. Rna, 2016, 22, 883-895.	3.5	41
26	Determination of native oligomeric state and substrate specificity of rat NTPDase1 and NTPDase2 after heterologous expression in Xenopus oocytes. FEBS Journal, 2003, 270, 1802-1809.	0.2	40
27	MicroRNA-181 promotes synaptogenesis and attenuates axonal outgrowth in cortical neurons. Cellular and Molecular Life Sciences, 2016, 73, 3555-3567.	5.4	38
28	An integrated molecular landscape implicates the regulation of dendritic spine formation through insulin-related signalling in obsessiveâ€“compulsive disorder. Journal of Psychiatry and Neuroscience, 2016, 41, 280-285.	2.4	38
29	Axonal localization and mitochondrial association of precursor microRNA 338. Cellular and Molecular Life Sciences, 2016, 73, 4327-4340.	5.4	35
30	Breaking limitations of complex culture media: Functional non-viral miRNA delivery into pharmaceutical production cell lines. Journal of Biotechnology, 2013, 168, 589-600.	3.8	32
31	Cortical control of aggression: GABA signalling in the anterior cingulate cortex. European Neuropsychopharmacology, 2020, 30, 5-16.	0.7	31
32	A heterogeneous population of nuclear-encoded mitochondrial mRNAs is present in the axons of primary sympathetic neurons. Mitochondrion, 2016, 30, 18-23.	3.4	30
33	Enhanced protein production by microRNA-30 family in CHO cells is mediated by the modulation of the ubiquitin pathway. Journal of Biotechnology, 2015, 212, 32-43.	3.8	28
34	The schizophrenia risk gene MIR137 acts as a hippocampal gene network node orchestrating the expression of genes relevant to nervous system development and function. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2017, 73, 109-118.	4.8	27
35	MicroRNA-137 regulates a glucocorticoid receptorâ€“dependent signalling network: implications for the etiology of schizophrenia. Journal of Psychiatry and Neuroscience, 2014, 39, 312-320.	2.4	25
36	MicroRNA-326 acts as a molecular switch in the regulation of midbrain urocortin 1 expression. Journal of Psychiatry and Neuroscience, 2016, 41, 342-353.	2.4	24

#	Article	IF	Citations
37	Ceramide induces translocation of protein kinase C-Î± to the Golgi compartment of human embryonic kidney cells by interacting with the C2 domain. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2003, 1634, 30-39.	2.4	23
38	MicroRNA-338 Attenuates Cortical Neuronal Outgrowth by Modulating the Expression of Axon Guidance Genes. Molecular Neurobiology, 2017, 54, 3439-3452.	4.0	21
39	Differential microRNA expression in cultured palatal fibroblasts from infants with cleft palate and controls. European Journal of Orthodontics, 2018, 40, 90-96.	2.4	19
40	Nuclear-Encoded Mitochondrial mRNAs: A Powerful Force in Axonal Growth and Development. Neuroscientist, 2018, 24, 142-155.	3.5	18
41	Altered expression of circadian rhythm and extracellular matrix genes in the medial prefrontal cortex of a valproic acid rat model of autism. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2017, 77, 128-132.	4.8	15
42	Angiotensin II mediates the axonal trafficking of tyrosine hydroxylase and dopamine Î²â€hydroxylase mRNAs and enhances norepinephrine synthesis in primary sympathetic neurons. Journal of Neurochemistry, 2019, 150, 666-677.	3.9	14
43	Monitoring mRNA Translation in Neuronal Processes Using Fluorescent Non-Canonical Amino Acid Tagging. Journal of Histochemistry and Cytochemistry, 2016, 64, 323-333.	2.5	10
44	MicroRNA-338 modulates cortical neuronal placement and polarity. RNA Biology, 2017, 14, 905-913.	3.1	10
45	Disruption of the Axonal Trafficking of Tyrosine Hydroxylase mRNA Impairs Catecholamine Biosynthesis in the Axons of Sympathetic Neurons. ENeuro, 2017, 4, ENEURO.0385-16.2017.	1.9	10
46	The Multifarious Hippocampal Functions of MicroRNA-137. Neuroscientist, 2016, 22, 440-446.	3.5	8
47	Recent Developments in Optical Neuromodulation Technologies. Molecular Neurobiology, 2013, 47, 172-185.	4.0	5
48	Connecting Synaptic Activity with Plasticity-Related Gene Expression: From Molecular Mechanisms to Neurological Disorders. Neural Plasticity, 2016, 2016, 1-3.	2.2	3