Mohammad Ali Faghihi

List of Publications by Year
in descending order

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71 papers	7,040 citations	218677 26 h-index	98798 67 g-index
72 all docs	72 docs citations	72 times ranked	9977 citing authors

#	Article	IF	Citations
1	Antisense Transcription in the Mammalian Transcriptome. Science, 2005, 309, 1564-1566.	12.6	1,553
2	Expression of a noncoding RNA is elevated in Alzheimer's disease and drives rapid feed-forward regulation of Î²-secretase. Nature Medicine, 2008, 14, 723-730.	30.7	1,252
3	Regulatory roles of natural antisense transcripts. Nature Reviews Molecular Cell Biology, 2009, 10, 637-643.	37.0	671
4	Inhibition of natural antisense transcripts in vivo results in gene-specific transcriptional upregulation. Nature Biotechnology, 2012, 30, 453-459.	17.5	575
5	Evidence for natural antisense transcript-mediated inhibition of microRNA function. Genome Biology, 2010, 11, R56.	8.8	444
6	MicroRNA-219 modulates NMDA receptor-mediated neurobehavioral dysfunction. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 3507-3512.	7.1	265
7	Regulation of chromatin structure by long noncoding RNAs: focus on natural antisense transcripts. Trends in Genetics, 2012, 28, 389-396.	6.7	263
8	A small molecule enhances RNA interference and promotes microRNA processing. Nature Biotechnology, 2008, 26, 933-940.	17.5	230
9	Regulation of the Apolipoprotein Gene Cluster by a Long Noncoding RNA. Cell Reports, 2014, 6, 222-230.	6.4	188
10	A Novel RNA Transcript with Antiapoptotic Function Is Silenced in Fragile X Syndrome. PLoS ONE, 2008, 3, e1486.	2.5	159
11	Transcriptomics Profiling of Alzheimerâ€™s Disease Reveal Neurovascular Defects, Altered Amyloid-Î² Homeostasis, andÂDeregulated Expression of Long NoncodingÂRNAs. Journal of Alzheimer's Disease, 2015, 48, 647-665.	2.6	157
12	Upregulation of Haploinsufficient Gene Expression in the Brain by Targeting a Long Non-coding RNA Improves Seizure Phenotype in a Model of Dravet Syndrome. EBioMedicine, 2016, 9, 257-277.	6.1	116
13	Knockdown of BACE1-AS Nonprotein-Coding Transcript Modulates Beta-Amyloid-Related Hippocampal Neurogenesis. International Journal of Alzheimer's Disease, 2011, 2011, 1-11.	2.0	112
14	Screening for Small-Molecule Modulators of Long Noncoding RNA-Protein Interactions Using AlphaScreen. Journal of Biomolecular Screening, 2015, 20, 1132-1141.	2.6	83
15	Antisense RNA Controls LRP1 Sense Transcript Expression through Interaction with a Chromatin-Associated Protein, HMGB2. Cell Reports, 2015, 11, 967-976.	6.4	75
16	The BET-Bromodomain Inhibitor JQ1 Reduces Inflammation and Tau Phosphorylation at Ser396 in the Brain of the 3xTg Model of Alzheimer's Disease. Current Alzheimer Research, 2016, 13, 985-995.	1.4	66
17	De-repressing LncRNA-Targeted Genes to Upregulate Gene Expression: Focus on Small Molecule Therapeutics. Molecular Therapy - Nucleic Acids, 2014, 3, e196.	5.1	63
18	RNA interference is not involved in natural antisense mediated regulation of gene expression in mammals. Genome Biology, 2006, 7, R38.	9.6	53

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19	Molecular diagnostic assays for COVID-19: an overview. Critical Reviews in Clinical Laboratory Sciences, 2021, 58, 385-398.	6.1	47
20	Expression of non-protein-coding antisense RNAs in genomic regions related to autism spectrum disorders. Molecular Autism, 2013, 4, 32.	4.9	41
21	Transcriptomic Profiling of Extracellular RNAs Present in Cerebrospinal Fluid Identifies Differentially Expressed Transcripts in Parkinsonâ€™s Disease. Journal of Parkinson's Disease, 2016, 6, 109-117.	2.8	40
22	Truncating Mutations in UBAP1 Cause Hereditary Spastic Paraplegia. American Journal of Human Genetics, 2019, 104, 767-773.	6.2	39
23	Expression of Olfactory Signaling Genes in the Eye. PLoS ONE, 2014, 9, e96435.	2.5	38
24	RNAi Screen Indicates Widespread Biological Function for Human Natural Antisense Transcripts. PLoS ONE, 2010, 5, e13177.	2.5	35
25	Adult Neurogenesis: A Potential Tool for Early Diagnosis in Alzheimer's Disease?. Journal of Alzheimer's Disease, 2010, 20, 395-408.	2.6	32
26	A comparative transcriptomic analysis of astrocytes differentiation from human neural progenitor cells. European Journal of Neuroscience, 2016, 44, 2858-2870.	2.6	32
27	Associating schizophrenia, long non-coding RNAs and neurostructural dynamics. Frontiers in Molecular Neuroscience, 2015, 8, 57.	2.9	30
28	Defining the clinical, molecular and imaging spectrum of adaptor protein complex 4-associated hereditary spastic paraplegia. Brain, 2020, 143, 2929-2944.	7.6	29
29	Extracellular Uridine Triphosphate and Adenosine Triphosphate Attenuate Endothelial Inflammation through miR-22-Mediated ICAM-1 Inhibition. Journal of Vascular Research, 2015, 52, 71-80.	1.4	27
30	Non-coding RNA transcripts: Sensors of neuronal stress, modulators of synaptic plasticity, and agents of change in the onset of Alzheimer's disease. Neuroscience Letters, 2009, 466, 81-88.	2.1	26
31	Cell-Type-Specific Analysis of Molecular Pathology in Autism Identifies Common Genes and Pathways Affected Across Neocortical Regions. Molecular Neurobiology, 2020, 57, 2279-2289.	4.0	20
32	AICAR and nicotinamide treatment synergistically augment the proliferation and attenuate senescence-associated changes in mesenchymal stromal cells. Stem Cell Research and Therapy, 2020, 11, 45.	5.5	18
33	Genetics of neurological disorders. Expert Review of Molecular Diagnostics, 2004, 4, 317-332.	3.1	17
34	CANEapp: a user-friendly application for automated next generation transcriptomic data analysis. BMC Genomics, 2016, 17, 49.	2.8	15
35	Case reports of juvenile GM1 gangliosidosisis type II caused by mutation in GLB1 gene. BMC Medical Genetics, 2017, 18, 73.	2.1	15
36	A Novel TTC19 Mutation in a Patient With Neurological, Psychological, and Gastrointestinal Impairment. Frontiers in Neurology, 2019, 10, 944.	2.4	15

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37	HDAC Inhibitors Induce BDNF Expression and Promote Neurite Outgrowth in Human Neural Progenitor Cells-Derived Neurons. International Journal of Molecular Sciences, 2019, 20, 1109.	4.1	15
38	Novel mutations in PANK2 and PLA2G6 genes in patients with neurodegenerative disorders: two case reports. BMC Medical Genetics, 2017, 18, 87.	2.1	13
39	Ketamine up-regulates a cluster of intronic miRNAs within the serotonin receptor 2C gene by inhibiting glycogen synthase kinase-3. World Journal of Biological Psychiatry, 2017, 18, 445-456.	2.6	11
40	High-throughput imaging of ATG9A distribution as a diagnostic functional assay for adaptor protein complex 4-associated hereditary spastic paraplegia. Brain Communications, 2021, 3, fcab221.	3.3	11
41	A Novel Mutation in ERCC8 Gene Causing Cockayne Syndrome. Frontiers in Pediatrics, 2017, 5, 169.	1.9	10
42	A novel mutation in SEPN1 causing rigid spine muscular dystrophy 1: a Case report. BMC Medical Genetics, 2019, 20, 13.	2.1	9
43	Genetic Testing in Various Neurodevelopmental Disorders Which Manifest as Cerebral Palsy: A Case Study From Iran. Frontiers in Pediatrics, 2021, 9, 734946.	1.9	9
44	Association between rs2303861 polymorphism in CD82 gene and non-alcoholic fatty liver disease: a preliminary case-control study. Croatian Medical Journal, 2019, 60, 361-368.	0.7	9
45	A novel splice site mutation in WAS gene in patient with Wiskott-Aldrich syndrome and chronic colitis: a case report. BMC Medical Genetics, 2018, 19, 123.	2.1	8
46	Cytokine Gene Expression Alterations in Human Macrophages Infected by. Cell Journal, 2021, 22, 476-481.	0.2	8
47	Transport properties in mixtures involving carbon dioxide at low and moderate density: test of several intermolecular potential energies and comparison with experiment. Heat and Mass Transfer, 2009, 45, 1453-1466.	2.1	7
48	A novel frame-shift deletion in FANCF gene causing autosomal recessive Fanconi anemia: a case report. BMC Medical Genetics, 2019, 20, 122.	2.1	7
49	Clinical and molecular characterization of three patients with Hepatocerebral form of mitochondrial DNA depletion syndrome: a case series. BMC Medical Genetics, 2019, 20, 167.	2.1	7
50	Case Report: Expanding the Genetic and Phenotypic Spectrum of Autosomal Recessive Spastic Ataxia of Charlevoix-Saguenay. Frontiers in Genetics, 2020, 11, 585136.	2.3	7
51	Clinical and molecular characterization of a patient with mitochondrial Neurogastrointestinal Encephalomyopathy. BMC Gastroenterology, 2020, 20, 142.	2.0	7
52	Cocaine alters Homer1 natural antisense transcript in the nucleus accumbens. Molecular and Cellular Neurosciences, 2017, 85, 183-189.	2.2	6
53	Investigating the association between common DRD2/ANKK1 genetic polymorphisms and schizophrenia: a meta-analysis. Journal of Genetics, 2021, 100, 1.	0.7	6
54	A case report of novel mutation in PRF1 gene, which causes familial autosomal recessive hemophagocytic lymphohistiocytosis. BMC Medical Genetics, 2017, 18, 49.	2.1	5

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55	An immunocompetent patient with a nonsense mutation in NHEJ1 gene. BMC Medical Genetics, 2019, 20, 45.	2.1	5
56	Genome-Wide Diversity, Population Structure and Demographic History of Dromedaries in the Central Desert of Iran. Genes, 2020, 11, 599.	2.4	5
57	Biallelic variants in TMEM222 cause a new autosomal recessive neurodevelopmental disorder. Genetics in Medicine, 2021, 23, 1246-1254.	2.4	5
58	Splicing defect in FKBP10 gene causes autosomal recessive osteogenesis imperfecta disease: a case report. BMC Medical Genetics, 2018, 19, 86.	2.1	4
59	Pre-implantation genetic diagnosis in an Iranian family with a novel mutation in MUT gene. BMC Medical Genetics, 2020, 21, 22.	2.1	4
60	A novel knockout mouse model of the noncoding antisense Brain-Derived Neurotrophic Factor (Bdnf) gene displays increased endogenous Bdnf protein and improved memory function following exercise. Heliyon, 2021, 7, e07570.	3.2	4
61	Editorial: Molecular Function and Regulation of Non-coding RNAs in Multifactorial Diseases. Frontiers in Genetics, 2016, 7, 9.	2.3	3
62	Potential voriconazole associated posterior reversible leukoencephalopathy in children with malignancies: Report of two cases. Journal of Oncology Pharmacy Practice, 2021, 27, 498-504.	0.9	3
63	Reporting one very rare pathogenic variation c.1106G>A in <i>POMT2</i> gene. Intractable and Rare Diseases Research, 2020, 9, 104-108.	0.9	2
64	A novel stop-gain mutation in DPYS gene causing Dihidropyrimidinase deficiency, a case report. BMC Medical Genetics, 2020, 21, 138.	2.1	2
65	Generalized exfoliative skin rash as an early predictor of supratherapeutic voriconazole trough levels in a leukemic child: A case report. Current Medical Mycology, 2020, 6, 73-78.	0.8	1
66	The First Case of a Small Supernumerary Marker Chromosome 18 in a Klinefelter Fetus: A Case Report. Iranian Journal of Medical Sciences, 2019, 44, 65-69.	0.4	1
67	Natural Antisense Transcripts Mediate Regulation of Gene Expression. , 2012, , 247-274.		0
68	Glycogen storage disease IIIa: A private homozygous splice site mutation in AGL gene. Gene Reports, 2017, 9, 61-64.	0.8	0
69	A Neurite Outgrowth Assay and Neurotoxicity Assessment with Human Neural Progenitor Cell-Derived Neurons. Journal of Visualized Experiments, 2020, , .	0.3	0
70	Investigating the association between common genetic polymorphisms and schizophrenia: a meta-analysis. Journal of Genetics, 2021, 100, .	0.7	0
71	Pre-Implantation Genetic Testing for Monogenic Disorders (PGT-M) in A Family with A Novel Mutation in Gene. Cell Journal, 2021, 23, 593-597.	0.2	0