Mohammad Ali Faghihi

List of Publications by Citations

68 papers	5,812 citations	24 h-index	72 g-index
72 ext. papers	6,556 ext. citations	7.4 avg, IF	5.39 L-index

#	Paper	IF	Citations
68	Antisense transcription in the mammalian transcriptome. *Science*, **2005**, 309, 1564-6	33.3	1354
67	Expression of a noncoding RNA is elevated in Alzheimer's disease and drives rapid feed-forward regulation of beta-secretase. *Nature Medicine*, **2008**, 14, 723-30	50.5	1070
66	Regulatory roles of natural antisense transcripts. *Nature Reviews Molecular Cell Biology*, **2009**, 10, 637-43	48.7	567
65	Inhibition of natural antisense transcripts in vivo results in gene-specific transcriptional upregulation. *Nature Biotechnology*, **2012**, 30, 453-9	44.5	476
64	Evidence for natural antisense transcript-mediated inhibition of microRNA function. *Genome Biology*, **2010**, 11, R56	18.3	375
63	MicroRNA-219 modulates NMDA receptor-mediated neurobehavioral dysfunction. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 3507-12	11.5	239
62	Regulation of chromatin structure by long noncoding RNAs: focus on natural antisense transcripts. *Trends in Genetics*, **2012**, 28, 389-96	8.5	216
61	A small molecule enhances RNA interference and promotes microRNA processing. *Nature Biotechnology*, **2008**, 26, 933-40	44.5	187
60	Regulation of the apolipoprotein gene cluster by a long noncoding RNA. *Cell Reports*, **2014**, 6, 222-30	10.6	153
59	A novel RNA transcript with antiapoptotic function is silenced in fragile X syndrome. *PLoS ONE*, **2008**, 3, e1486	3.7	145
58	Transcriptomics Profiling of Alzheimer's Disease Reveal Neurovascular Defects, Altered Amyloid-β Homeostasis, and Deregulated Expression of Long Noncoding RNAs. *Journal of Alzheimer's Disease*, **2015**, 48, 647-65	4.3	114
57	Knockdown of BACE1-AS Nonprotein-Coding Transcript Modulates Beta-Amyloid-Related Hippocampal Neurogenesis. *International Journal of Alzheimer's Disease*, **2011**, 2011, 929042	3.7	97
56	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	8.8	79
55	Screening for Small-Molecule Modulators of Long Noncoding RNA-Protein Interactions Using AlphaScreen. *Journal of Biomolecular Screening*, **2015**, 20, 1132-41		62
54	Antisense RNA controls LRP1 Sense transcript expression through interaction with a chromatin-associated protein, HMGB2. *Cell Reports*, **2015**, 11, 967-976	10.6	58
53	RNA interference is not involved in natural antisense mediated regulation of gene expression in mammals. *Genome Biology*, **2006**, 7, R38	18.3	48
52	De-repressing LncRNA-Targeted Genes to Upregulate Gene Expression: Focus on Small Molecule Therapeutics. *Molecular Therapy - Nucleic Acids*, **2014**, 3, e196	10.7	47

51	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, 985-95	3	46
50	Expression of non-protein-coding antisense RNAs in genomic regions related to autism spectrum disorders. *Molecular Autism*, **2013**, 4, 32	6.5	39
49	Transcriptomic Profiling of Extracellular RNAs Present in Cerebrospinal Fluid Identifies Differentially Expressed Transcripts in Parkinson's Disease. *Journal of Parkinson's Disease*, **2016**, 6, 109-17	5.3	35
48	Expression of olfactory signaling genes in the eye. *PLoS ONE*, **2014**, 9, e96435	3.7	31
47	RNAi screen indicates widespread biological function for human natural antisense transcripts. *PLoS ONE*, **2010**, 5, e13177	3.7	30
46	Adult neurogenesis: a potential tool for early diagnosis in Alzheimer's disease?. *Journal of Alzheimer's Disease*, **2010**, 20, 395-408	4.3	29
45	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, 81-8	3.3	26
44	Extracellular Uridine Triphosphate and Adenosine Triphosphate Attenuate Endothelial Inflammation through miR-22-Mediated ICAM-1 Inhibition. *Journal of Vascular Research*, **2015**, 52, 71-80	1.9	24
43	A comparative transcriptomic analysis of astrocytes differentiation from human neural progenitor cells. *European Journal of Neuroscience*, **2016**, 44, 2858-2870	3.5	23
42	Associating schizophrenia, long non-coding RNAs and neurostructural dynamics. *Frontiers in Molecular Neuroscience*, **2015**, 8, 57	6.1	22
41	Molecular diagnostic assays for COVID-19: an overview. *Critical Reviews in Clinical Laboratory Sciences*, **2021**, 58, 385-398	9.4	21
40	Truncating Mutations in UBAP1 Cause Hereditary Spastic Paraplegia. *American Journal of Human Genetics*, **2019**, 104, 767-773	11	20
39	Genetics of neurological disorders. *Expert Review of Molecular Diagnostics*, **2004**, 4, 317-32	3.8	13
38	A Novel Mutation in a Patient With Neurological, Psychological, and Gastrointestinal Impairment. *Frontiers in Neurology*, **2019**, 10, 944	4.1	12
37	Defining the clinical, molecular and imaging spectrum of adaptor protein complex 4-associated hereditary spastic paraplegia. *Brain*, **2020**, 143, 2929-2944	11.2	12
36	Case reports of juvenile GM1 gangliosidosisis type II caused by mutation in GLB1 gene. *BMC Medical Genetics*, **2017**, 18, 73	2.1	11
35	Novel mutations in PANK2 and PLA2G6 genes in patients with neurodegenerative disorders: two case reports. *BMC Medical Genetics*, **2017**, 18, 87	2.1	11
34	HDAC Inhibitors Induce Expression and Promote Neurite Outgrowth in Human Neural Progenitor Cells-Derived Neurons. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	10

33	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	8.3	9
32	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	3.8	9
31	CANEapp: a user-friendly application for automated next generation transcriptomic data analysis. *BMC Genomics*, **2016**, 17, 49	4.5	8
30	A Novel Mutation in Gene Causing Cockayne Syndrome. *Frontiers in Pediatrics*, **2017**, 5, 169	3.4	7
29	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	2.2	7
28	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	1.6	7
27	Cell-Type-Specific Analysis of Molecular Pathology in Autism Identifies Common Genes and Pathways Affected Across Neocortical Regions. *Molecular Neurobiology*, **2020**, 57, 2279-2289	6.2	6
26	A novel frame-shift deletion in FANCF gene causing autosomal recessive Fanconi anemia: a case report. *BMC Medical Genetics*, **2019**, 20, 122	2.1	6
25	A novel mutation in SEPN1 causing rigid spine muscular dystrophy 1: a Case report. *BMC Medical Genetics*, **2019**, 20, 13	2.1	5
24	Cocaine alters Homer1 natural antisense transcript in the nucleus accumbens. *Molecular and Cellular Neurosciences*, **2017**, 85, 183-189	4.8	4
23	A case report of novel mutation in PRF1 gene, which causes familial autosomal recessive hemophagocytic lymphohistiocytosis. *BMC Medical Genetics*, **2017**, 18, 49	2.1	4
22	Clinical and molecular characterization of a patient with mitochondrial Neurogastrointestinal Encephalomyopathy. *BMC Gastroenterology*, **2020**, 20, 142	3	3
21	Genome-Wide Diversity, Population Structure and Demographic History of Dromedaries in the Central Desert of Iran. *Genes*, **2020**, 11,	4.2	3
20	Pre-implantation genetic diagnosis in an Iranian family with a novel mutation in MUT gene. *BMC Medical Genetics*, **2020**, 21, 22	2.1	3
19	Splicing defect in FKBP10 gene causes autosomal recessive osteogenesis imperfecta disease: a case report. *BMC Medical Genetics*, **2018**, 19, 86	2.1	3
18	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	3
17	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	3
16	Cytokine Gene Expression Alterations in Human Macrophages Infected by. *Cell Journal*, **2021**, 22, 476-481	1.4	3

List of Publications

15	An immunocompetent patient with a nonsense mutation in NHEJ1 gene. *BMC Medical Genetics*, **2019**, 20, 45	2.1	2
14	Case Report: Expanding the Genetic and Phenotypic Spectrum of Autosomal Recessive Spastic Ataxia of Charlevoix-Saguenay. *Frontiers in Genetics*, **2020**, 11, 585136	4.5	2
13	Reporting one very rare pathogenic variation c.1106G>A in gene. *Intractable and Rare Diseases Research*, **2020**, 9, 104-108	1.4	1
12	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	1.1	1
11	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	1.2	1
10	Potential voriconazole associated posterior reversible leukoencephalopathy in children with malignancies: Report of two cases. *Journal of Oncology Pharmacy Practice*, **2021**, 27, 498-504	1.7	1
9	Investigating the association between common DRD2/ANKK1 genetic polymorphisms and schizophrenia: a meta-analysis. *Journal of Genetics*, **2021**, 100, 1	1.2	1
8	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	4.5	1
7	Biallelic variants in TMEM222 cause a new autosomal recessive neurodevelopmental disorder. *Genetics in Medicine*, **2021**, 23, 1246-1254	8.1	0
6	Genetic Testing in Various Neurodevelopmental Disorders Which Manifest as Cerebral Palsy: A Case Study From Iran. *Frontiers in Pediatrics*, **2021**, 9, 734946	3.4	0
5	A novel stop-gain mutation in DPYS gene causing Dihidropyrimidinase deficiency, a case report. *BMC Medical Genetics*, **2020**, 21, 138	2.1	
4	Glycogen storage disease IIIa: A private homozygous splice site mutation in AGL gene. *Gene Reports* , **2017**, 9, 61-64	1.4	
3	Natural Antisense Transcripts Mediate Regulation of Gene Expression **2012**, 247-274		
2	A novel knockout mouse model of the noncoding antisense () gene displays increased endogenous Bdnf protein and improved memory function following exercise. *Heliyon*, **2021**, 7, e07570	3.6	
1	Pre-Implantation Genetic Testing for Monogenic Disorders (PGT-M) in A Family with A Novel Mutation in Gene. *Cell Journal*, **2021**, 23, 593-597	2.4	