Ali Fatemi

List of Publications by Year
in descending order

54 papers	2,562 citations	236925 25 h-index	206112 48 g-index
57 all docs	57 docs citations	57 times ranked	5285 citing authors

#	Article	IF	Citations
1	Cerebral plasticity: Windows of opportunity in the developing brain. European Journal of Paediatric Neurology, 2017, 21, 23-48.	1.6	329
2	Treatment advances in neonatal neuroprotection and neurointensive care. Lancet Neurology, The, 2011, 10, 372-382.	10.2	247
3	Clinical whole exome sequencing in child neurology practice. Annals of Neurology, 2014, 76, 473-483.	5.3	228
4	Hypoxic-Ischemic Encephalopathy in the Term Infant. Clinics in Perinatology, 2009, 36, 835-858.	2.1	216
5	Mutations disrupting neuritogenesis genes confer risk for cerebral palsy. Nature Genetics, 2020, 52, 1046-1056.	21.4	96
6	Systemic dendrimer-drug treatment of ischemia-induced neonatal white matter injury. Journal of Controlled Release, 2015, 214, 112-120.	9.9	90
7	A Diagnostic Approach for Cerebral Palsy in the Genomic Era. NeuroMolecular Medicine, 2014, 16, 821-844.	3.4	89
8	FOXG1 syndrome: genotypeâ€“phenotype association in 83 patients with FOXG1 variants. Genetics in Medicine, 2018, 20, 98-108.	2.4	77
9	Pathologic role of glial nitric oxide in adult and pediatric neuroinflammatory diseases. Neuroscience and Biobehavioral Reviews, 2014, 45, 168-182.	6.1	74
10	De Novo Variants in the ATPase Module of MORC2 Cause a Neurodevelopmental Disorder with Growth Retardation and Variable Craniofacial Dysmorphism. American Journal of Human Genetics, 2020, 107, 352-363.	6.2	64
11	ELP2 is a novel gene implicated in neurodevelopmental disabilities. American Journal of Medical Genetics, Part A, 2015, 167, 1391-1395.	1.2	61
12	A novel variant in GABRB2 associated with intellectual disability and epilepsy. American Journal of Medical Genetics, Part A, 2014, 164, 2914-2921.	1.2	59
13	Ischemia-Induced Neuroinflammation Is Associated with Disrupted Development of Oligodendrocyte Progenitors in a Model of Periventricular Leukomalacia. Developmental Neuroscience, 2013, 35, 182-196.	2.0	58
14	De Novo Variants in GRIA4 Lead to Intellectual Disability with or without Seizures and Gait Abnormalities. American Journal of Human Genetics, 2017, 101, 1013-1020.	6.2	53
15	A novel neurodevelopmental disorder associated with compound heterozygous variants in the huntingtin gene. European Journal of Human Genetics, 2016, 24, 1826-1827.	2.8	45
16	Uptake of dendrimer-drug by different cell types in the hippocampus after hypoxicâ€“ischemic insult in neonatal mice: Effects of injury, microglial activation and hypothermia. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 2359-2369.	3.3	45
17	Magnetization transfer weighted imaging in the upper cervical spinal cord using cerebrospinal fluid as intersubject normalization reference (MTCSF imaging). Magnetic Resonance in Medicine, 2005, 54, 201-206.	3.0	42
18	Monogenic disorders that mimic the phenotype of Rett syndrome. Neurogenetics, 2018, 19, 41-47.	1.4	41

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19	Diffusion tensor-based imaging reveals occult abnormalities in adrenomyeloneuropathy. Annals of Neurology, 2005, 58, 758-766.	5.3	39
20	<scp>MRI</scp> surveillance of boys with Xâ€linked adrenoleukodystrophy identified by newborn screening: Metaâ€analysis and consensus guidelines. Journal of Inherited Metabolic Disease, 2021, 44, 728-739.	3.6	39
21	The Potential for Cell-Based Therapy in Perinatal Brain Injuries. Translational Stroke Research, 2013, 4, 137-148.	4.2	38
22	Deficiency of WARS2, encoding mitochondrial tryptophanyl tRNA synthetase, causes severe infantile onset leukoencephalopathy. American Journal of Medical Genetics, Part A, 2017, 173, 2505-2510.	1.2	36
23	Overlapping SETBP1 gain-of-function mutations in Schinzel-Giedion syndrome and hematologic malignancies. PLoS Genetics, 2017, 13, e1006683.	3.5	35
24	Biomarker Identification, Safety, and Efficacy of High-Dose Antioxidants for Adrenomyeloneuropathy: a Phase II Pilot Study. Neurotherapeutics, 2019, 16, 1167-1182.	4.4	31
25	Dendrimerâ€“Nâ€acetylâ€Lâ€cysteine modulates monophagocytic response in adrenoleukodystrophy. Annals of Neurology, 2018, 84, 452-462.	5.3	30
26	Further evidence that de novo missense and truncating variants in <scp>ZBTB18</scp> cause intellectual disability with variable features. Clinical Genetics, 2017, 91, 697-707.	2.0	29
27	ST3GAL5-Related Disorders: A Deficiency in Ganglioside Metabolism and a Genetic Cause of Intellectual Disability and Choreoathetosis. Journal of Child Neurology, 2018, 33, 825-831.	1.4	28
28	Elp2 mutations perturb the epitranscriptome and lead to a complex neurodevelopmental phenotype. Nature Communications, 2021, 12, 2678.	12.8	26
29	Novel diffusion tensor imaging findings in Krabbe disease. European Journal of Paediatric Neurology, 2014, 18, 150-156.	1.6	24
30	Murine model: maternal administration of stem cells for prevention of prematurity. American Journal of Obstetrics and Gynecology, 2015, 212, 639.e1-639.e10.	1.3	24
31	Neonatal neurobehavior after therapeutic hypothermia for hypoxic ischemic encephalopathy. Early Human Development, 2015, 91, 593-599.	1.8	24
32	Transplanted glial restricted precursor cells improve neurobehavioral and neuropathological outcomes in a mouse model of neonatal white matter injury despite limited cell survival. Glia, 2015, 63, 452-465.	4.9	23
33	Translational challenges in advancing regenerative therapy for treating neurological disorders using nanotechnology. Advanced Drug Delivery Reviews, 2019, 148, 60-67.	13.7	23
34	Therapeutic strategies in adrenoleukodystrophy. Wiener Medizinische Wochenschrift, 2017, 167, 219-226.	1.1	21
35	Antioxidant Capacity and Superoxide Dismutase Activity in Adrenoleukodystrophy. JAMA Neurology, 2017, 74, 519.	9.0	21
36	In vivo Magnetization Transfer MRI Shows Dysmyelination in an Ischemic Mouse Model of Periventricular Leukomalacia. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 2009-2018.	4.3	20

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37	Clinical and imaging outcomes after intrathecal injection of umbilical cord tissue mesenchymal stem cells in cerebral palsy: a randomized double-blind sham-controlled clinical trial. Stem Cell Research and Therapy, 2021, 12, 439.	5.5	18
38	Derivation of Glial Restricted Precursors from E13 mice. Journal of Visualized Experiments, 2012, , .	0.3	17
39	Compound Heterozygous Variants in ROBO1 Cause a Neurodevelopmental Disorder With Absence of Transverse Pontine Fibers and Thinning of the Anterior Commissure and Corpus Callosum. Pediatric Neurology, 2017, 70, 70-74.	2.1	16
40	Expansion of the genetic landscape of ERLIN2â€related disorders. Annals of Clinical and Translational Neurology, 2020, 7, 573-578.	3.7	12
41	Neuronal ablation of mt-AspRS in mice induces immune pathway activation prior to severe and progressive cortical and behavioral disruption. Experimental Neurology, 2020, 326, 113164.	4.1	11
42	Early Detection of Hypothermic Neuroprotection Using T2-Weighted Magnetic Resonance Imaging in a Mouse Model of Hypoxic Ischemic Encephalopathy. Frontiers in Neurology, 2018, 9, 304.	2.4	10
43	Diffusion Tensor Imaging Abnormalities in the Cerebral White Matter Correlate with Sex-Dependent Neurobehavioral Deficits in Adult Mice with Neonatal Ischemia. Developmental Neuroscience, 2016, 38, 83-95.	2.0	9
44	Glial-Restricted Precursors Protect Neonatal Brain Slices from Hypoxic-Ischemic Cell Death Without Direct Tissue Contact. Stem Cells and Development, 2016, 25, 975-985.	2.1	7
45	Current Therapeutic Approaches in Leukodystrophies: A Review. Journal of Child Neurology, 2018, 33, 861-868.	1.4	7
46	X-linked Adrenoleukodystrophy: Pathology, Pathophysiology, Diagnostic Testing, Newborn Screening, and Therapies. International Journal of Developmental Neuroscience, 2019, , .	1.6	7
47	Successful treatment of choreo-athetotic movements in a patient with an EEF1A2 gene variant. SAGE Open Medical Case Reports, 2018, 6, 2050313X1880762.	0.3	5
48	Metabolic ataxias. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2018, 155, 117-127.	1.8	5
49	Glial restricted precursor delivery of dendrimer N-acetylcysteine promotes migration and differentiation following transplant in mouse white matter injury model. Nanoscale, 2020, 12, 16063-16068.	5.6	4
50	Novel variants in KAT6B spectrum of disorders expand our knowledge of clinical manifestations and molecular mechanisms. Molecular Genetics & Genomic Medicine, 2021, 9, e1809.	1.2	4
51	Wearable sensors detect impaired gait and coordination in <scp>LBSL</scp> during remote assessments. Annals of Clinical and Translational Neurology, 2022, 9, 468-477.	3.7	3
52	Neurogenetics. Seminars in Neurology, 2014, 34, 237-238.	1.4	0
53	Safety, Tolerability, and Sensorimotor Effects of Extended-release Dalfampridine in Adults With Cerebral Palsy: A Pilot Study. Clinical Therapeutics, 2017, 39, 337-346.	2.5	0
54	Neonatal Brain Injuries. , 2017, , .		0