

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

59 papers	1,828 citations	23 h-index	42 g-index
63 ext. papers	2,364 ext. citations	6.1 avg, IF	5.16 L-index

#	Paper	IF	Citations
59	Safety and Clinical Effects of Mesenchymal Stem Cells Secreting Neurotrophic Factor Transplantation in Patients With Amyotrophic Lateral Sclerosis: Results of Phase 1/2 and 2a Clinical Trials. <i>JAMA Neurology</i> , 2016 , 73, 337-44	17.2	181
58	In Vivo Neuroimaging of Exosomes Using Gold Nanoparticles. <i>ACS Nano</i> , 2017 , 11, 10883-10893	16.7	168
57	Concise Review: Mesenchymal Stem Cells in Neurodegenerative Diseases. <i>Stem Cells</i> , 2017 , 35, 1867-1880	16.7	127
56	Intranasal Delivery of Mesenchymal Stem Cell Derived Exosomes Loaded with Phosphatase and Tensin Homolog siRNA Repairs Complete Spinal Cord Injury. <i>ACS Nano</i> , 2019 , 13, 10015-10028	16.7	119
55	Golden Exosomes Selectively Target Brain Pathologies in Neurodegenerative and Neurodevelopmental Disorders. <i>Nano Letters</i> , 2019 , 19, 3422-3431	11.5	119
54	Activation of nuclear transcription factor kappa B (NF-kappaB) is essential for dopamine-induced apoptosis in PC12 cells. <i>Journal of Neurochemistry</i> , 2001 , 77, 391-8	6	82
53	Mesenchymal stem cells stimulate endogenous neurogenesis in the subventricular zone of adult mice. <i>Stem Cell Reviews and Reports</i> , 2011 , 7, 404-12	6.4	66
52	Intranasal administration of exosomes derived from mesenchymal stem cells ameliorates autistic-like behaviors of BTBR mice. <i>Molecular Autism</i> , 2018 , 9, 57	6.5	66
51	Spinal cord mRNA profile in patients with ALS: comparison with transgenic mice expressing the human SOD-1 mutant. <i>Journal of Molecular Neuroscience</i> , 2009 , 38, 85-93	3.3	63
50	Monoamine-induced apoptotic neuronal cell death. <i>Cellular and Molecular Neurobiology</i> , 1997 , 17, 101-18	4.6	53
49	Mesenchymal Stem Cell Transplantation Promotes Neurogenesis and Ameliorates Autism Related Behaviors in BTBR Mice. <i>Autism Research</i> , 2016 , 9, 17-32	5.1	51
48	Neurogenesis in the aged and neurodegenerative brain. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2010 , 15, 1415-21	5.4	50
47	Differentiated mesenchymal stem cells for sciatic nerve injury. <i>Stem Cell Reviews and Reports</i> , 2011 , 7, 664-71	6.4	46
46	Cannabidiol as a suggested candidate for treatment of autism spectrum disorder. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2019 , 89, 90-96	5.5	46
45	The involvement of p53 in dopamine-induced apoptosis of cerebellar granule neurons and leukemic cells overexpressing p53. <i>Cellular and Molecular Neurobiology</i> , 1999 , 19, 261-76	4.6	43
44	Toll-like receptor 3 deficiency decreases epileptogenesis in a pilocarpine model of SE-induced epilepsy in mice. <i>Epilepsia</i> , 2017 , 58, 586-596	6.4	39
43	A Huntingtin-based peptide inhibitor of caspase-6 provides protection from mutant Huntingtin-induced motor and behavioral deficits. <i>Human Molecular Genetics</i> , 2015 , 24, 2604-14	5.6	38

42	Stem cells treatment for sciatic nerve injury. <i>Expert Opinion on Biological Therapy</i> , 2011 , 11, 1591-7	5.4	33
41	A DJ-1 Based Peptide Attenuates Dopaminergic Degeneration in Mice Models of Parkinson's Disease via Enhancing Nrf2. <i>PLoS ONE</i> , 2015 , 10, e0127549	3.7	32
40	Toll-Like Receptor-4 Inhibitor TAK-242 Attenuates Motor Dysfunction and Spinal Cord Pathology in an Amyotrophic Lateral Sclerosis Mouse Model. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	29
39	Long term beneficial effect of neurotrophic factors-secreting mesenchymal stem cells transplantation in the BTBR mouse model of autism. <i>Behavioural Brain Research</i> , 2017 , 331, 254-260	3.4	28
38	BDNF overexpression prevents cognitive deficit elicited by adolescent cannabis exposure and host susceptibility interaction. <i>Human Molecular Genetics</i> , 2017 , 26, 2462-2471	5.6	27
37	Cell replacement therapy for Parkinson's disease: how close are we to the clinic?. <i>Expert Review of Neurotherapeutics</i> , 2011 , 11, 1325-39	4.3	23
36	Multifactorial Gene Therapy Enhancing the Glutamate Uptake System and Reducing Oxidative Stress Delays Symptom Onset and Prolongs Survival in the SOD1-G93A ALS Mouse Model. <i>Journal of Molecular Neuroscience</i> , 2016 , 58, 46-58	3.3	18
35	Implantation of 3D Constructs Embedded with Oral Mucosa-Derived Cells Induces Functional Recovery in Rats with Complete Spinal Cord Transection. <i>Frontiers in Neuroscience</i> , 2017 , 11, 589	5.1	18
34	DJ-1 knockout augments disease severity and shortens survival in a mouse model of ALS. <i>PLoS ONE</i> , 2015 , 10, e0117190	3.7	18
33	A novel specific PERK activator reduces toxicity and extends survival in Huntington's disease models. <i>Scientific Reports</i> , 2020 , 10, 6875	4.9	17
32	Myeloperoxidase Deficiency Inhibits Cognitive Decline in the 5XFAD Mouse Model of Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 2019 , 13, 990	5.1	17
31	Targeting neurogenesis ameliorates danger assessment in a mouse model of Alzheimer's disease. <i>Behavioural Brain Research</i> , 2014 , 261, 193-201	3.4	17
30	Promising Opportunities for Treating Neurodegenerative Diseases with Mesenchymal Stem Cell-Derived Exosomes. <i>Biomolecules</i> , 2020 , 10,	5.9	17
29	Human Muscle Progenitor Cells Overexpressing Neurotrophic Factors Improve Neuronal Regeneration in a Sciatic Nerve Injury Mouse Model. <i>Frontiers in Neuroscience</i> , 2019 , 13, 151	5.1	14
28	Mesenchymal stem cells protect from sub-chronic phencyclidine insult in vivo and counteract changes in astrocyte gene expression in vitro. <i>European Neuropsychopharmacology</i> , 2013 , 23, 1115-23	1.2	13
27	Neuroprotective Effect of a DJ-1 Based Peptide in a Toxin Induced Mouse Model of Multiple System Atrophy. <i>PLoS ONE</i> , 2016 , 11, e0148170	3.7	12
26	Reversal of ApoE4-Driven Brain Pathology by Vascular Endothelial Growth Factor Treatment. <i>Journal of Alzheimers Disease</i> , 2016 , 53, 1443-58	4.3	12
25	Ectopic Muscle Expression of Neurotrophic Factors Improves Recovery After Nerve Injury. <i>Journal of Molecular Neuroscience</i> , 2016 , 58, 39-45	3.3	11

24	DJ-1 based peptide, ND-13, promote functional recovery in mouse model of focal ischemic injury. <i>PLoS ONE</i> , 2018 , 13, e0192954	3.7	9
23	Synthesis, binding affinity, and relaxivity of target-specific MRI contrast agents. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2007 , 59, 323-329		9
22	Mesenchymal stem cells derived extracellular vesicles improve behavioral and biochemical deficits in a phencyclidine model of schizophrenia. <i>Translational Psychiatry</i> , 2020 , 10, 305	8.6	9
21	CrisPam: SNP-Derived PAM Analysis Tool for Allele-Specific Targeting of Genetic Variants Using CRISPR-Cas Systems. <i>Frontiers in Genetics</i> , 2020 , 11, 851	4.5	9
20	Glial fibrillary acidic protein as a marker of astrocytic activation in the cerebrospinal fluid of patients with amyotrophic lateral sclerosis. <i>Journal of Clinical Neuroscience</i> , 2016 , 26, 75-8	2.2	9
19	Intranasal delivery of mesenchymal stem cells-derived extracellular vesicles for the treatment of neurological diseases. <i>Stem Cells</i> , 2021 , 39, 1589-1600	5.8	8
18	Caspase-6 Knockout in the 5xFAD Model of Alzheimer's Disease Reveals Favorable Outcome on Memory and Neurological Hallmarks. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	7
17	Prediction of synonymous corrections by the BE-FF computational tool expands the targeting scope of base editing. <i>Nucleic Acids Research</i> , 2020 , 48, W340-W347	20.1	7
16	Dopaminergic-like neurons derived from oral mucosa stem cells by developmental cues improve symptoms in the hemi-parkinsonian rat model. <i>PLoS ONE</i> , 2014 , 9, e100445	3.7	7
15	Computer-Aided Design and Synthesis of 1-{4-[(3,4-Dihydroxybenzylidene)amino]phenyl}-5-oxopyrrolidine-3-carboxylic Acid as an Nrf2 Enhancer. <i>ChemPlusChem</i> , 2018 , 83, 320-333	2.8	6
14	ND-13, a DJ-1-Derived Peptide, Attenuates the Renal Expression of Fibrotic and Inflammatory Markers Associated with Unilateral Ureter Obstruction. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	5
13	Increased RNA editing in maternal immune activation model of neurodevelopmental disease. <i>Nature Communications</i> , 2020 , 11, 5236	17.4	5
12	A Multifunctional Biocompatible Drug Candidate is Highly Effective in Delaying Pathological Signs of Alzheimer's Disease in 5XFAD Mice. <i>Journal of Alzheimer's Disease</i> , 2017 , 58, 389-400	4.3	4
11	Genes to treat excitotoxicity ameliorate the symptoms of the disease in mice models of multiple system atrophy. <i>Journal of Neural Transmission</i> , 2020 , 127, 205-212	4.3	4
10	Voluntary exercise improves cognitive deficits in female dominant-negative DISC1 transgenic mouse model of neuropsychiatric disorders. <i>World Journal of Biological Psychiatry</i> , 2019 , 20, 243-252	3.8	4
9	The Role of MAPK Signaling in Mediating ApoE4-Driven Pathology In Vivo. <i>Current Alzheimer Research</i> , 2019 , 16, 281-292	3	3
8	Combined Gene Therapy to Reduce the Neuronal Damage in the Mouse Model of Focal Ischemic Injury. <i>Journal of Molecular Neuroscience</i> , 2018 , 66, 180-187	3.3	3
7	Computer-Aided Design and Synthesis of 1-{4-[(3,4-Dihydroxybenzylidene)amino]phenyl}-5-oxopyrrolidine-3-carboxylic Acid as an Nrf2 Enhancer. <i>ChemPlusChem</i> , 2018 , 83, 318	2.8	2

6	Extracellular Vesicles Tracking and Quantification Using CT and Optical Imaging in Rats. <i>Bio-protocol</i> , 2020 , 10, e3635	0.9	2
5	Behavioral aspects and neurobiological properties underlying medical cannabis treatment in Shank3 mouse model of autism spectrum disorder. <i>Translational Psychiatry</i> , 2021 , 11, 524	8.6	1
4	Reply to "Comment on Rn Vivo Neuroimaging of Exosomes Using Gold Nanoparticles". <i>ACS Nano</i> , 2018 , 12, 11719-11720	16.7	1
3	Single-Base Resolution: Increasing the Specificity of the CRISPR-Cas System in Gene Editing. <i>Molecular Therapy</i> , 2021 , 29, 937-948	11.7	0
2	Computational normal mode analysis accurately replicates the activity and specificity profiles of CRISPR-Cas9 and high-fidelity variants.. <i>Computational and Structural Biotechnology Journal</i> , 2022 , 20, 2013-2019	6.8	0
1	A Novel Rodent Model of Hypertensive Cerebral Small Vessel Disease with White Matter Hyperintensities and Peripheral Oxidative Stress. <i>International Journal of Molecular Sciences</i> , 2022 , 23, 5915	6.3	0