

# Daniel Offen

## List of Publications by Citations

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70  
papers

5,899  
citations

44  
h-index

70  
g-index

70  
ext. papers

6,629  
ext. citations

5.7  
avg, IF

5.65  
L-index

#	Paper	IF	Citations
70	Oxidative stress induced-neurodegenerative diseases: the need for antioxidants that penetrate the blood brain barrier. <i>Neuropharmacology</i> , <b>2001</b> , 40, 959-75	5.5	595
69	The role of oxidative stress in the pathogenesis of multiple sclerosis: the need for effective antioxidant therapy. <i>Journal of Neurology</i> , <b>2004</b> , 251, 261-8	5.5	464
68	Antioxidant therapy in acute central nervous system injury: current state. <i>Pharmacological Reviews</i> , <b>2002</b> , 54, 271-84	22.5	398
67	The "dying-back" phenomenon of motor neurons in ALS. <i>Journal of Molecular Neuroscience</i> , <b>2011</b> , 43, 470-7	3.3	234
66	Dopamine induces apoptosis-like cell death in cultured chick sympathetic neurons--a possible novel pathogenetic mechanism in Parkinson's disease. <i>Neuroscience Letters</i> , <b>1994</b> , 170, 136-40	3.3	208
65	Prevention of dopamine-induced cell death by thiol antioxidants: possible implications for treatment of Parkinson's disease. <i>Experimental Neurology</i> , <b>1996</b> , 141, 32-9	5.7	189
64	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> , <b>2016</b> , 73, 337-44	17.2	181
63	In Vivo Neuroimaging of Exosomes Using Gold Nanoparticles. <i>ACS Nano</i> , <b>2017</b> , 11, 10883-10893	16.7	168
62	Human mesenchymal stem cells express neural genes, suggesting a neural predisposition. <i>Stem Cells and Development</i> , <b>2006</b> , 15, 141-64	4.4	144
61	Vasoactive intestinal peptide (VIP) prevents neurotoxicity in neuronal cultures: relevance to neuroprotection in Parkinson's disease. <i>Brain Research</i> , <b>2000</b> , 854, 257-62	3.7	134
60	Concise Review: Mesenchymal Stem Cells in Neurodegenerative Diseases. <i>Stem Cells</i> , <b>2017</b> , 35, 1867-1880	9.8	127
59	Intranasal Delivery of Mesenchymal Stem Cell Derived Exosomes Loaded with Phosphatase and Tensin Homolog siRNA Repairs Complete Spinal Cord Injury. <i>ACS Nano</i> , <b>2019</b> , 13, 10015-10028	16.7	119
58	Golden Exosomes Selectively Target Brain Pathologies in Neurodegenerative and Neurodevelopmental Disorders. <i>Nano Letters</i> , <b>2019</b> , 19, 3422-3431	11.5	119
57	Protective effects of neurotrophic factor-secreting cells in a 6-OHDA rat model of Parkinson disease. <i>Stem Cells and Development</i> , <b>2009</b> , 18, 1179-90	4.4	118
56	Apoptosis and Parkinson's disease. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2003</b> , 27, 245-50	5.5	112
55	Oxidative insults induce DJ-1 upregulation and redistribution: implications for neuroprotection. <i>NeuroToxicology</i> , <b>2008</b> , 29, 397-405	4.4	108
54	Intravitreal injections of neurotrophic factors secreting mesenchymal stem cells are neuroprotective in rat eyes following optic nerve transection <b>2010</b> , 51, 6394-400		104

53	Enhanced oxidative stress and altered antioxidants in brains of Bcl-2-deficient mice. <i>Journal of Neurochemistry</i> , <b>1998</b> , 71, 741-8	6	103
52	A low molecular weight copper chelator crosses the blood-brain barrier and attenuates experimental autoimmune encephalomyelitis. <i>Journal of Neurochemistry</i> , <b>2004</b> , 89, 1241-51	6	102
51	Protective effect of insulin-like-growth-factor-1 against dopamine-induced neurotoxicity in human and rodent neuronal cultures: possible implications for Parkinson's disease. <i>Neuroscience Letters</i> , <b>2001</b> , 316, 129-32	3.3	100
50	Glutaredoxin protects cerebellar granule neurons from dopamine-induced apoptosis by activating NF-kappa B via Ref-1. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 1335-44	5.4	91
49	Dopamine-induced programmed cell death in mouse thymocytes. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>1995</b> , 1268, 171-7	4.9	91
48	Antioxidant treatment in Alzheimer's disease: current state. <i>Journal of Molecular Neuroscience</i> , <b>2003</b> , 21, 1-11	3.3	89
47	Bone-marrow-derived mesenchymal stem cell therapy for neurodegenerative diseases. <i>Expert Opinion on Biological Therapy</i> , <b>2009</b> , 9, 1487-97	5.4	88
46	Levodopa induces apoptosis in cultured neuronal cells--a possible accelerator of nigrostriatal degeneration in Parkinson's disease?. <i>Movement Disorders</i> , <b>1997</b> , 12, 17-23	7	85
45	Mutant and wild-type alpha-synuclein interact with mitochondrial cytochrome C oxidase. <i>Journal of Molecular Neuroscience</i> , <b>2002</b> , 18, 229-38	3.3	84
44	Activation of nuclear transcription factor kappa B (NF-kappaB) is essential for dopamine-induced apoptosis in PC12 cells. <i>Journal of Neurochemistry</i> , <b>2001</b> , 77, 391-8	6	82
43	Induction of human mesenchymal stem cells into dopamine-producing cells with different differentiation protocols. <i>Stem Cells and Development</i> , <b>2008</b> , 17, 547-54	4.4	77
42	DJ-1 protects against dopamine toxicity. <i>Journal of Neural Transmission</i> , <b>2009</b> , 116, 151-60	4.3	76
41	Mesenchymal stem cells stimulate endogenous neurogenesis in the subventricular zone of adult mice. <i>Stem Cell Reviews and Reports</i> , <b>2011</b> , 7, 404-12	6.4	66
40	Intranasal administration of exosomes derived from mesenchymal stem cells ameliorates autistic-like behaviors of BTBR mice. <i>Molecular Autism</i> , <b>2018</b> , 9, 57	6.5	66
39	Glutaredoxin protects cerebellar granule neurons from dopamine-induced apoptosis by dual activation of the ras-phosphoinositide 3-kinase and jun n-terminal kinase pathways. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 21618-26	5.4	65
38	Transplantation of placenta-derived mesenchymal stem cells in the EAE mouse model of MS. <i>Journal of Molecular Neuroscience</i> , <b>2012</b> , 48, 176-84	3.3	64
37	Spinal cord mRNA profile in patients with ALS: comparison with transgenic mice expressing the human SOD-1 mutant. <i>Journal of Molecular Neuroscience</i> , <b>2009</b> , 38, 85-93	3.3	63
36	Intracerebroventricular transplantation of human mesenchymal stem cells induced to secrete neurotrophic factors attenuates clinical symptoms in a mouse model of multiple sclerosis. <i>Journal of Molecular Neuroscience</i> , <b>2010</b> , 41, 129-37	3.3	54

35	Monoamine-induced apoptotic neuronal cell death. <i>Cellular and Molecular Neurobiology</i> , <b>1997</b> , 17, 101-118	4.6	53
34	Lentiviral delivery of LMX1a enhances dopaminergic phenotype in differentiated human bone marrow mesenchymal stem cells. <i>Stem Cells and Development</i> , <b>2009</b> , 18, 591-601	4.4	52
33	A novel thiol antioxidant that crosses the blood brain barrier protects dopaminergic neurons in experimental models of Parkinson's disease. <i>European Journal of Neuroscience</i> , <b>2005</b> , 21, 637-46	3.5	52
32	Mesenchymal Stem Cell Transplantation Promotes Neurogenesis and Ameliorates Autism Related Behaviors in BTBR Mice. <i>Autism Research</i> , <b>2016</b> , 9, 17-32	5.1	51
31	Knocking out DJ-1 attenuates astrocytes neuroprotection against 6-hydroxydopamine toxicity. <i>Journal of Molecular Neuroscience</i> , <b>2013</b> , 50, 542-50	3.3	49
30	Differentiated mesenchymal stem cells for sciatic nerve injury. <i>Stem Cell Reviews and Reports</i> , <b>2011</b> , 7, 664-71	6.4	46
29	Oxidative stress, induced by 6-hydroxydopamine, reduces proteasome activities in PC12 cells: implications for the pathogenesis of Parkinson's disease. <i>Journal of Molecular Neuroscience</i> , <b>2004</b> , 24, 387-400	3.3	46
28	Levodopa toxicity and apoptosis. <i>Annals of Neurology</i> , <b>1998</b> , 44, S149-54	9.4	46
27	Induction of neuron-specific enolase promoter and neuronal markers in differentiated mouse bone marrow stromal cells. <i>Journal of Molecular Neuroscience</i> , <b>2003</b> , 21, 121-32	3.3	44
26	The involvement of p53 in dopamine-induced apoptosis of cerebellar granule neurons and leukemic cells overexpressing p53. <i>Cellular and Molecular Neurobiology</i> , <b>1999</b> , 19, 261-76	4.6	43
25	DJ-1 changes in G93A-SOD1 transgenic mice: implications for oxidative stress in ALS. <i>Journal of Molecular Neuroscience</i> , <b>2009</b> , 38, 94-102	3.3	37
24	Anti-inflammatory drugs in the treatment of neurodegenerative diseases: current state. <i>Current Pharmaceutical Design</i> , <b>2006</b> , 12, 3509-19	3.3	37
23	DJ-1 protects against dopamine toxicity: implications for Parkinson's disease and aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2013</b> , 68, 215-25	6.4	36
22	A DJ-1 Based Peptide Attenuates Dopaminergic Degeneration in Mice Models of Parkinson's Disease via Enhancing Nrf2. <i>PLoS ONE</i> , <b>2015</b> , 10, e0127549	3.7	32
21	Safety of repeated transplantations of neurotrophic factors-secreting human mesenchymal stromal stem cells. <i>Clinical and Translational Medicine</i> , <b>2014</b> , 3, 21	5.7	30
20	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> , <b>2017</b> , 18,	6.3	29
19	Dopamine-melanin is actively phagocytized by PC12 cells and cerebellar granular cells: possible implications for the etiology of Parkinson's disease. <i>Neuroscience Letters</i> , <b>1999</b> , 260, 101-4	3.3	29
18	Long term beneficial effect of neurotrophic factors-secreting mesenchymal stem cells transplantation in the BTBR mouse model of autism. <i>Behavioural Brain Research</i> , <b>2017</b> , 331, 254-260	3.4	28

17	The CB1 cannabinoid receptor agonist, HU-210, reduces levodopa-induced rotations in 6-hydroxydopamine-lesioned rats. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2003</b> , 93, 66-70		25
16	Experimental encephalomyelitis induces changes in DJ-1: implications for oxidative stress in multiple sclerosis. <i>Antioxidants and Redox Signaling</i> , <b>2006</b> , 8, 1987-95	8.4	23
15	Mice overexpressing Bcl-2 in their neurons are resistant to myelin oligodendrocyte glycoprotein (MOG)-induced experimental autoimmune encephalomyelitis (EAE). <i>Journal of Molecular Neuroscience</i> , <b>2000</b> , 15, 167-76	3.3	23
14	Analysis of gene expression in MOG-induced experimental autoimmune encephalomyelitis after treatment with a novel brain-penetrating antioxidant. <i>Journal of Molecular Neuroscience</i> , <b>2005</b> , 27, 125-33	3.3	20
13	DJ-1 knockout augments disease severity and shortens survival in a mouse model of ALS. <i>PLoS ONE</i> , <b>2015</b> , 10, e0117190	3.7	18
12	Promising Opportunities for Treating Neurodegenerative Diseases with Mesenchymal Stem Cell-Derived Exosomes. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	17
11	A novel brain-targeted antioxidant (AD4) attenuates haloperidol-induced abnormal movement in rats: implications for tardive dyskinesia. <i>Clinical Neuropharmacology</i> , <b>2005</b> , 28, 285-8	1.4	16
10	Neuroprotective Effect of a DJ-1 Based Peptide in a Toxin Induced Mouse Model of Multiple System Atrophy. <i>PLoS ONE</i> , <b>2016</b> , 11, e0148170	3.7	12
9	Rare combination of myasthenia and motor neuronopathy, responsive to Msc-Ntf stem cell therapy. <i>Muscle and Nerve</i> , <b>2014</b> , 49, 455-7	3.4	9
8	Mesenchymal stem cells derived extracellular vesicles improve behavioral and biochemical deficits in a phencyclidine model of schizophrenia. <i>Translational Psychiatry</i> , <b>2020</b> , 10, 305	8.6	9
7	Intranasal delivery of mesenchymal stem cells-derived extracellular vesicles for the treatment of neurological diseases. <i>Stem Cells</i> , <b>2021</b> , 39, 1589-1600	5.8	8
6	Labeling and tracking exosomes within the brain using gold nanoparticles <b>2018</b> ,		4
5	Molecular biology of dopamine-induced apoptosis : possible implications for Parkinson's disease. <i>Methods in Molecular Medicine</i> , <b>2001</b> , 62, 73-87		2
4	Extracellular Vesicles Tracking and Quantification Using CT and Optical Imaging in Rats. <i>Bio-protocol</i> , <b>2020</b> , 10, e3635	0.9	2
3	The Role of Oxidative Stress in the Pathogenesis of Multiple Sclerosis: Current State <b>2007</b> , 283-295		1
2	Behavioral aspects and neurobiological properties underlying medical cannabis treatment in Shank3 mouse model of autism spectrum disorder. <i>Translational Psychiatry</i> , <b>2021</b> , 11, 524	8.6	1
1	Reply to "Comment on Rn Vivo Neuroimaging of Exosomes Using Gold Nanoparticles". <i>ACS Nano</i> , <b>2018</b> , 12, 11719-11720	16.7	1