# Daniel Offen

## List of Publications by Year in Descending Order



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| 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 | Computational normal mode analysis accurately replicates the activity and specificity profiles of CRISPR-Cas9 and high-fidelity variants.. *Computational and Structural Biotechnology Journal*, **2022**, 20, 2013-2019 | 6.8 | 0 |
| 58 | A Novel Rodent Model of Hypertensive Cerebral Small Vessel Disease with White Matter Hyperintensities and Peripheral Oxidative Stress. *International Journal of Molecular Sciences*, **2022**, 23, 5915 | 6.3 | 0 |
| 57 | Intranasal delivery of mesenchymal stem cells-derived extracellular vesicles for the treatment of neurological diseases. *Stem Cells*, **2021**, 39, 1589-1600 | 5.8 | 8 |
| 56 | Behavioral aspects and neurobiological properties underlying medical cannabis treatment in Shank3 mouse model of autism spectrum disorder. *Translational Psychiatry*, **2021**, 11, 524 | 8.6 | 1 |
| 55 | Single-Base Resolution: Increasing the Specificity of the CRISPR-Cas System in Gene Editing. *Molecular Therapy*, **2021**, 29, 937-948 | 11.7 | 0 |
| 54 | Genes to treat excitotoxicity ameliorate the symptoms of the disease in mice models of multiple system atrophy. *Journal of Neural Transmission*, **2020**, 127, 205-212 | 4.3 | 4 |
| 53 | Caspase-6 Knockout in the 5xFAD Model of Alzheimer's Disease Reveals Favorable Outcome on Memory and Neurological Hallmarks. *International Journal of Molecular Sciences*, **2020**, 21, | 6.3 | 7 |
| 52 | Prediction of synonymous corrections by the BE-FF computational tool expands the targeting scope of base editing. *Nucleic Acids Research*, **2020**, 48, W340-W347 | 20.1 | 7 |
| 51 | A novel specific PERK activator reduces toxicity and extends survival in Huntington's disease models. *Scientific Reports*, **2020**, 10, 6875 | 4.9 | 17 |
| 50 | Extracellular Vesicles Tracking and Quantification Using CT and Optical Imaging in Rats. *Bio-protocol*, **2020**, 10, e3635 | 0.9 | 2 |
| 49 | ND-13, a DJ-1-Derived Peptide, Attenuates the Renal Expression of Fibrotic and Inflammatory Markers Associated with Unilateral Ureter Obstruction. *International Journal of Molecular Sciences*, **2020**, 21, | 6.3 | 5 |
| 48 | Increased RNA editing in maternal immune activation model of neurodevelopmental disease. *Nature Communications*, **2020**, 11, 5236 | 17.4 | 5 |
| 47 | Mesenchymal stem cells derived extracellular vesicles improve behavioral and biochemical deficits in a phencyclidine model of schizophrenia. *Translational Psychiatry*, **2020**, 10, 305 | 8.6 | 9 |
| 46 | CrisPam: SNP-Derived PAM Analysis Tool for Allele-Specific Targeting of Genetic Variants Using CRISPR-Cas Systems. *Frontiers in Genetics*, **2020**, 11, 851 | 4.5 | 9 |
| 45 | Promising Opportunities for Treating Neurodegenerative Diseases with Mesenchymal Stem Cell-Derived Exosomes. *Biomolecules*, **2020**, 10, | 5.9 | 17 |
| 44 | Intranasal Delivery of Mesenchymal Stem Cell Derived Exosomes Loaded with Phosphatase and Tensin Homolog siRNA Repairs Complete Spinal Cord Injury. *ACS Nano*, **2019**, 13, 10015-10028 | 16.7 | 119 |
| 43 | The Role of MAPK's Signaling in Mediating ApoE4-Driven Pathology In Vivo. *Current Alzheimer Research*, **2019**, 16, 281-292 | 3 | 3 |

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| 42 | Human Muscle Progenitor Cells Overexpressing Neurotrophic Factors Improve Neuronal Regeneration in a Sciatic Nerve Injury Mouse Model. *Frontiers in Neuroscience*, **2019**, 13, 151 | 5.1 | 14 |
| 41 | Myeloperoxidase Deficiency Inhibits Cognitive Decline in the 5XFAD Mouse Model of Alzheimer's Disease. *Frontiers in Neuroscience*, **2019**, 13, 990 | 5.1 | 17 |
| 40 | Golden Exosomes Selectively Target Brain Pathologies in Neurodegenerative and Neurodevelopmental Disorders. *Nano Letters*, **2019**, 19, 3422-3431 | 11.5 | 119 |
| 39 | Cannabidiol as a suggested candidate for treatment of autism spectrum disorder. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2019**, 89, 90-96 | 5.5 | 46 |
| 38 | Voluntary exercise improves cognitive deficits in female dominant-negative DISC1 transgenic mouse model of neuropsychiatric disorders. *World Journal of Biological Psychiatry*, **2019**, 20, 243-252 | 3.8 | 4 |
| 37 | Computer-Aided Design and Synthesis of 1-{4-[(3,4-Dihydroxybenzylidene)amino]phenyl}-5-oxopyrrolidine-3-carboxylic Acid as an Nrf2 Enhancer. *ChemPlusChem*, **2018**, 83, 320-333 | 2.8 | 6 |
| 36 | Computer-Aided Design and Synthesis of 1-{4-[(3,4-Dihydroxybenzylidene)amino]phenyl}-5-oxopyrrolidine-3-carboxylic Acid as an Nrf2 Enhancer. *ChemPlusChem*, **2018**, 83, 318 | 2.8 | 2 |
| 35 | DJ-1 based peptide, ND-13, promote functional recovery in mouse model of focal ischemic injury. *PLoS ONE*, **2018**, 13, e0192954 | 3.7 | 9 |
| 34 | Intranasal administration of exosomes derived from mesenchymal stem cells ameliorates autistic-like behaviors of BTBR mice. *Molecular Autism*, **2018**, 9, 57 | 6.5 | 66 |
| 33 | Reply to "Comment on 'In Vivo Neuroimaging of Exosomes Using Gold Nanoparticles'". *ACS Nano*, **2018**, 12, 11719-11720 | 16.7 | 1 |
| 32 | Combined Gene Therapy to Reduce the Neuronal Damage in the Mouse Model of Focal Ischemic Injury. *Journal of Molecular Neuroscience*, **2018**, 66, 180-187 | 3.3 | 3 |
| 31 | Toll-like receptor 3 deficiency decreases epileptogenesis in a pilocarpine model of SE-induced epilepsy in mice. *Epilepsia*, **2017**, 58, 586-596 | 6.4 | 39 |
| 30 | Long term beneficial effect of neurotrophic factors-secreting mesenchymal stem cells transplantation in the BTBR mouse model of autism. *Behavioural Brain Research*, **2017**, 331, 254-260 | 3.4 | 28 |
| 29 | BDNF overexpression prevents cognitive deficit elicited by adolescent cannabis exposure and host susceptibility interaction. *Human Molecular Genetics*, **2017**, 26, 2462-2471 | 5.6 | 27 |
| 28 | Concise Review: Mesenchymal Stem Cells in Neurodegenerative Diseases. *Stem Cells*, **2017**, 35, 1867-1880 | 5.8 | 127 |
| 27 | A Multifunctional Biocompatible Drug Candidate is Highly Effective in Delaying Pathological Signs of Alzheimer's Disease in 5XFAD Mice. *Journal of Alzheimer's Disease*, **2017**, 58, 389-400 | 4.3 | 4 |
| 26 | In Vivo Neuroimaging of Exosomes Using Gold Nanoparticles. *ACS Nano*, **2017**, 11, 10883-10893 | 16.7 | 168 |
| 25 | Toll-Like Receptor-4 Inhibitor TAK-242 Attenuates Motor Dysfunction and Spinal Cord Pathology in an Amyotrophic Lateral Sclerosis Mouse Model. *International Journal of Molecular Sciences*, **2017**, 18, | 6.3 | 29 |

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| 24 | Implantation of 3D Constructs Embedded with Oral Mucosa-Derived Cells Induces Functional Recovery in Rats with Complete Spinal Cord Transection. *Frontiers in Neuroscience*, **2017**, 11, 589 | 5.1 | 18 |
| 23 | 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. *Journal of Molecular Neuroscience*, **2016**, 58, 46-58 | 3.3 | 18 |
| 22 | 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. *JAMA Neurology*, **2016**, 73, 337-44 | 17.2 | 181 |
| 21 | Ectopic Muscle Expression of Neurotrophic Factors Improves Recovery After Nerve Injury. *Journal of Molecular Neuroscience*, **2016**, 58, 39-45 | 3.3 | 11 |
| 20 | Neuroprotective Effect of a DJ-1 Based Peptide in a Toxin Induced Mouse Model of Multiple System Atrophy. *PLoS ONE*, **2016**, 11, e0148170 | 3.7 | 12 |
| 19 | Reversal of ApoE4-Driven Brain Pathology by Vascular Endothelial Growth Factor Treatment. *Journal of Alzheimer's Disease*, **2016**, 53, 1443-58 | 4.3 | 12 |
| 18 | Glial fibrillary acidic protein as a marker of astrocytic activation in the cerebrospinal fluid of patients with amyotrophic lateral sclerosis. *Journal of Clinical Neuroscience*, **2016**, 26, 75-8 | 2.2 | 9 |
| 17 | Mesenchymal Stem Cell Transplantation Promotes Neurogenesis and Ameliorates Autism Related Behaviors in BTBR Mice. *Autism Research*, **2016**, 9, 17-32 | 5.1 | 51 |
| 16 | A Huntingtin-based peptide inhibitor of caspase-6 provides protection from mutant Huntingtin-induced motor and behavioral deficits. *Human Molecular Genetics*, **2015**, 24, 2604-14 | 5.6 | 38 |
| 15 | DJ-1 knockout augments disease severity and shortens survival in a mouse model of ALS. *PLoS ONE*, **2015**, 10, e0117190 | 3.7 | 18 |
| 14 | A DJ-1 Based Peptide Attenuates Dopaminergic Degeneration in Mice Models of Parkinson's Disease via Enhancing Nrf2. *PLoS ONE*, **2015**, 10, e0127549 | 3.7 | 32 |
| 13 | Targeting neurogenesis ameliorates danger assessment in a mouse model of Alzheimer's disease. *Behavioural Brain Research*, **2014**, 261, 193-201 | 3.4 | 17 |
| 12 | Dopaminergic-like neurons derived from oral mucosa stem cells by developmental cues improve symptoms in the hemi-parkinsonian rat model. *PLoS ONE*, **2014**, 9, e100445 | 3.7 | 7 |
| 11 | Mesenchymal stem cells protect from sub-chronic phencyclidine insult in vivo and counteract changes in astrocyte gene expression in vitro. *European Neuropsychopharmacology*, **2013**, 23, 1115-23 | 1.2 | 13 |
| 10 | Cell replacement therapy for Parkinson's disease: how close are we to the clinic?. *Expert Review of Neurotherapeutics*, **2011**, 11, 1325-39 | 4.3 | 23 |
| 9 | Mesenchymal stem cells stimulate endogenous neurogenesis in the subventricular zone of adult mice. *Stem Cell Reviews and Reports*, **2011**, 7, 404-12 | 6.4 | 66 |
| 8 | Differentiated mesenchymal stem cells for sciatic nerve injury. *Stem Cell Reviews and Reports*, **2011**, 7, 664-71 | 6.4 | 46 |
| 7 | Stem cells treatment for sciatic nerve injury. *Expert Opinion on Biological Therapy*, **2011**, 11, 1591-7 | 5.4 | 33 |

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|---|---|---|---|
| 6 | Neurogenesis in the aged and neurodegenerative brain. *Apoptosis: an International Journal on Programmed Cell Death*, **2010**, 15, 1415-21 | 5.4 | 50 |
| 5 | Spinal cord mRNA profile in patients with ALS: comparison with transgenic mice expressing the human SOD-1 mutant. *Journal of Molecular Neuroscience*, **2009**, 38, 85-93 | 3.3 | 63 |
| 4 | Synthesis, binding affinity, and relaxivity of target-specific MRI contrast agents. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **2007**, 59, 323-329 | | 9 |
| 3 | Activation of nuclear transcription factor kappa B (NF-kappaB) is essential for dopamine-induced apoptosis in PC12 cells. *Journal of Neurochemistry*, **2001**, 77, 391-8 | 6 | 82 |
| 2 | The involvement of p53 in dopamine-induced apoptosis of cerebellar granule neurons and leukemic cells overexpressing p53. *Cellular and Molecular Neurobiology*, **1999**, 19, 261-76 | 4.6 | 43 |
| 1 | Monoamine-induced apoptotic neuronal cell death. *Cellular and Molecular Neurobiology*, **1997**, 17, 101-18 | 4.6 | 53 |