

# Carlos Cepeda

## List of Publications by Year in Descending Order

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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.

137  
papers

9,986  
citations

53  
h-index

99  
g-index

144  
ext. papers

11,324  
ext. citations

6.5  
avg, IF

5.7  
L-index

#	Paper	IF	Citations
137	Delayed Maturation of Oligodendrocyte Progenitors by Microgravity: Implications for Multiple Sclerosis and Space Flight. <i>Life</i> , <b>2022</b> , 12, 797	3	0
136	Synaptic pathology in Huntington's disease: Beyond the corticostriatal pathway. <i>Neurobiology of Disease</i> , <b>2021</b> , 162, 105574	7.5	2
135	The mouse cortico-basal ganglia-thalamic network. <i>Nature</i> , <b>2021</b> , 598, 188-194	50.4	10
134	Adult glut3 homozygous null mice survive to demonstrate neural excitability and altered neurobehavioral responses reminiscent of neurodevelopmental disorders. <i>Experimental Neurology</i> , <b>2021</b> , 338, 113603	5.7	0
133	Converging evidence in support of omega-3 polyunsaturated fatty acids as a potential therapy for Huntington's disease symptoms. <i>Reviews in the Neurosciences</i> , <b>2021</b> , 32, 871-886	4.7	1
132	A bidirectional corticoamygdala circuit for the encoding and retrieval of detailed reward memories. <i>ELife</i> , <b>2021</b> , 10,	8.9	6
131	Early impairment of thalamocortical circuit activity and coherence in a mouse model of Huntington's disease. <i>Neurobiology of Disease</i> , <b>2021</b> , 157, 105447	7.5	1
130	Calcium dysregulation and compensation in cortical pyramidal neurons of the R6/2 mouse model of Huntington's disease. <i>Journal of Neurophysiology</i> , <b>2021</b> , 126, 1159-1171	3.2	0
129	Paroxysmal Discharges in Tissue Slices From Pediatric Epilepsy Surgery Patients: Critical Role of GABA Receptors in the Generation of Ictal Activity. <i>Frontiers in Cellular Neuroscience</i> , <b>2020</b> , 14, 54	6.1	2
128	Trophic factors are essential for the survival of grafted oligodendrocyte progenitors and for neuroprotection after perinatal excitotoxicity. <i>Neural Regeneration Research</i> , <b>2020</b> , 15, 557-568	4.5	3
127	Pathological high frequency oscillations associate with increased GABA synaptic activity in pediatric epilepsy surgery patients. <i>Neurobiology of Disease</i> , <b>2020</b> , 134, 104618	7.5	13
126	Cortical Network Dynamics Is Altered in Mouse Models of Huntington's Disease. <i>Cerebral Cortex</i> , <b>2020</b> , 30, 2372-2388	5.1	5
125	Synaptic Dysfunction in Huntington's Disease: Lessons from Genetic Animal Models. <i>Neuroscientist</i> , <b>2020</b> , 1073858420972662	7.6	10
124	Mechanisms underlying the enhancement of GABAergic responses in the external globus pallidus of R6/2 Huntington's disease model mice. <i>Journal of Neuroscience Research</i> , <b>2020</b> , 98, 2349-2356	4.4	4
123	Major Contribution of Somatostatin-Expressing Interneurons and Cannabinoid Receptors to Increased GABA Synaptic Activity in the Striatum of Huntington's Disease Mice. <i>Frontiers in Synaptic Neuroscience</i> , <b>2019</b> , 11, 14	3.5	14
122	Developmental origins of cortical hyperexcitability in Huntington's disease: Review and new observations. <i>Journal of Neuroscience Research</i> , <b>2019</b> , 97, 1624-1635	4.4	4
121	Human Neural Stem Cells Flown into Space Proliferate and Generate Young Neurons. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9,	2.6	4

120	Michael S. Levine: Research pioneer of basal ganglia function and dysfunction. A small tribute on the occasion of his 75th birthday anniversary. <i>Journal of Neuroscience Research</i> , <b>2019</b> , 97, 1487-1490	4.4	1
119	Gain Modulation by Corticostriatal and Thalamostriatal Input Signals during Reward-Conditioned Behavior. <i>Cell Reports</i> , <b>2019</b> , 29, 2438-2449.e4	10.6	6
118	Striatal GABAergic interneuron dysfunction in the Q175 mouse model of Huntington's disease. <i>European Journal of Neuroscience</i> , <b>2019</b> , 49, 79-93	3.5	14
117	Peptide-modified, hyaluronic acid-based hydrogels as a 3D culture platform for neural stem/progenitor cell engineering. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2019</b> , 107, 704-718	5.4	40
116	Complete but not partial inhibition of glutamate transporters exacerbates cortical excitability in the R6/2 mouse model of Huntington's disease. <i>CNS Neuroscience and Therapeutics</i> , <b>2019</b> , 25, 509-518	6.8	4
115	Mutant huntingtin reduction in astrocytes slows disease progression in the BACHD conditional Huntington's disease mouse model. <i>Human Molecular Genetics</i> , <b>2019</b> , 28, 487-500	5.6	35
114	Therapeutic effects of stem cells in rodent models of Huntington's disease: Review and electrophysiological findings. <i>CNS Neuroscience and Therapeutics</i> , <b>2018</b> , 24, 329-342	6.8	11
113	Striatal Direct and Indirect Pathway Output Structures Are Differentially Altered in Mouse Models of Huntington's Disease. <i>Journal of Neuroscience</i> , <b>2018</b> , 38, 4678-4694	6.6	19
112	Human Neural Stem Cell Transplantation Rescues Functional Deficits in R6/2 and Q140 Huntington's Disease Mice. <i>Stem Cell Reports</i> , <b>2018</b> , 10, 58-72	8	57
111	Altered lactate metabolism in Huntington's disease is dependent on GLUT3 expression. <i>CNS Neuroscience and Therapeutics</i> , <b>2018</b> , 24, 343-352	6.8	9
110	Kir4.1 channels in NG2-glia play a role in development, potassium signaling, and ischemia-related myelin loss. <i>Communications Biology</i> , <b>2018</b> , 1, 80	6.7	11
109	A Basic Phase Diagram of Neuronal Dynamics. <i>Neural Computation</i> , <b>2018</b> , 30, 2418-2438	2.9	1
108	Neurophysiological Assessment of Huntington's Disease Model Mice. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1780, 163-177	1.4	1
107	Cellular antiseizure mechanisms of everolimus in pediatric tuberous sclerosis complex, cortical dysplasia, and non-mTOR-mediated etiologies. <i>Epilepsia Open</i> , <b>2018</b> , 3, 180-190	4	6
106	Neural Deletion of Glucose Transporter Isoform 3 Creates Distinct Postnatal and Adult Neurobehavioral Phenotypes. <i>Journal of Neuroscience</i> , <b>2018</b> , 38, 9579-9599	6.6	12
105	WONOE appraisal: Development of epilepsy biomarkers-What we can learn from our patients?. <i>Epilepsia</i> , <b>2017</b> , 58, 951-961	6.4	12
104	Parvalbumin Interneurons Modulate Striatal Output and Enhance Performance during Associative Learning. <i>Neuron</i> , <b>2017</b> , 93, 1451-1463.e4	13.9	70
103	Differential electrophysiological and morphological alterations of thalamostriatal and corticostriatal projections in the R6/2 mouse model of Huntington's disease. <i>Neurobiology of Disease</i> , <b>2017</b> , 108, 29-44	7.5	30

102	Sex-Specific Life Course Changes in the Neuro-Metabolic Phenotype of Glut3 Null Heterozygous Mice: Ketogenic Diet Ameliorates Electroencephalographic Seizures and Improves Sociability. <i>Endocrinology</i> , <b>2017</b> , 158, 936-949	4.8	12
101	Epilepsy in Other Neurodegenerative Disorders: Huntington's and Parkinson's Diseases <b>2017</b> , 1043-1058		1
100	Quantitative Electroencephalographic Biomarkers in Preclinical and Human Studies of Huntington's Disease: Are They Fit-for-Purpose for Treatment Development?. <i>Frontiers in Neurology</i> , <b>2017</b> , 8, 91	4.1	9
99	Basolateral Amygdala to Orbitofrontal Cortex Projections Enable Cue-Triggered Reward Expectations. <i>Journal of Neuroscience</i> , <b>2017</b> , 37, 8374-8384	6.6	99
98	Altered membrane properties and firing patterns of external globus pallidus neurons in the R6/2 mouse model of Huntington's disease. <i>Journal of Neuroscience Research</i> , <b>2016</b> , 94, 1400-1410	4.4	15
97	Rasmussen encephalitis tissue transfer program. <i>Epilepsia</i> , <b>2016</b> , 57, 1005-7	6.4	3
96	Partial Amelioration of Peripheral and Central Symptoms of Huntington's Disease via Modulation of Lipid Metabolism. <i>Journal of Huntingtons Disease</i> , <b>2016</b> , 5, 65-81	1.9	14
95	Altered excitatory and inhibitory inputs to striatal medium-sized spiny neurons and cortical pyramidal neurons in the Q175 mouse model of Huntington's disease. <i>Journal of Neurophysiology</i> , <b>2015</b> , 113, 2953-66	3.2	46
94	Beyond the redox imbalance: Oxidative stress contributes to an impaired GLUT3 modulation in Huntington's disease. <i>Free Radical Biology and Medicine</i> , <b>2015</b> , 89, 1085-96	7.8	30
93	JAKMIP1, a Novel Regulator of Neuronal Translation, Modulates Synaptic Function and Autistic-like Behaviors in Mouse. <i>Neuron</i> , <b>2015</b> , 88, 1173-1191	13.9	28
92	Basic mechanisms of epileptogenesis in pediatric cortical dysplasia. <i>CNS Neuroscience and Therapeutics</i> , <b>2015</b> , 21, 92-103	6.8	52
91	In Rasmussen encephalitis, hemichannels associated with microglial activation are linked to cortical pyramidal neuron coupling: a possible mechanism for cellular hyperexcitability. <i>CNS Neuroscience and Therapeutics</i> , <b>2015</b> , 21, 152-63	6.8	20
90	Cholesterol-loaded nanoparticles ameliorate synaptic and cognitive function in Huntington's disease mice. <i>EMBO Molecular Medicine</i> , <b>2015</b> , 7, 1547-64	12	62
89	Diagnostic methods and treatment options for focal cortical dysplasia. <i>Epilepsia</i> , <b>2015</b> , 56, 1669-86	6.4	126
88	Enhanced GABAergic Inputs Contribute to Functional Alterations of Cholinergic Interneurons in the R6/2 Mouse Model of Huntington's Disease. <i>ENeuro</i> , <b>2015</b> , 2,	3.9	35
87	Forebrain deletion of the dystonia protein torsinA causes dystonic-like movements and loss of striatal cholinergic neurons. <i>ELife</i> , <b>2015</b> , 4, e08352	8.9	72
86	Targeted expression of $\mu$ opioid receptors in a subset of striatal direct-pathway neurons restores opiate reward. <i>Nature Neuroscience</i> , <b>2014</b> , 17, 254-61	25.5	91
85	The role of dopamine in Huntington's disease. <i>Progress in Brain Research</i> , <b>2014</b> , 211, 235-54	2.9	88

84	Pacemaker GABA synaptic activity may contribute to network synchronization in pediatric cortical dysplasia. <i>Neurobiology of Disease</i> , <b>2014</b> , 62, 208-17	7.5	31
83	Neuronal targets for reducing mutant huntingtin expression to ameliorate disease in a mouse model of Huntington's disease. <i>Nature Medicine</i> , <b>2014</b> , 20, 536-41	50.5	144
82	Differential Synaptic and Extrasynaptic Glutamate-Receptor Alterations in Striatal Medium-Sized Spiny Neurons of Aged YAC128 Huntington's Disease Mice. <i>PLOS Currents</i> , <b>2014</b> , 6,		9
81	A failure in energy metabolism and antioxidant uptake precede symptoms of Huntington's disease in mice. <i>Nature Communications</i> , <b>2013</b> , 4, 2917	17.4	70
80	Opioid self-administration results in cell-type specific adaptations of striatal medium spiny neurons. <i>Behavioural Brain Research</i> , <b>2013</b> , 256, 279-83	3.4	17
79	Frontal cortical synaptic communication is abnormal in Disc1 genetic mouse models of schizophrenia. <i>Schizophrenia Research</i> , <b>2013</b> , 146, 264-72	3.6	21
78	Multiple sources of striatal inhibition are differentially affected in Huntington's disease mouse models. <i>Journal of Neuroscience</i> , <b>2013</b> , 33, 7393-406	6.6	84
77	Dopamine imbalance in Huntington's disease: a mechanism for the lack of behavioral flexibility. <i>Frontiers in Neuroscience</i> , <b>2013</b> , 7, 114	5.1	98
76	White matter loss in a mouse model of periventricular leukomalacia is rescued by trophic factors. <i>Brain Sciences</i> , <b>2013</b> , 3, 1461-82	3.4	10
75	Drug-primed reinstatement of cocaine seeking in mice: increased excitability of medium-sized spiny neurons in the nucleus accumbens. <i>ASN Neuro</i> , <b>2013</b> , 5, 257-71	5.3	16
74	Effects of the Pimelic Diphenylamide Histone Deacetylase Inhibitor HDACi 4b on the R6/2 and N171-82Q Mouse Models of Huntington's Disease. <i>PLOS Currents</i> , <b>2013</b> , 5,		5
73	Finding a better drug for epilepsy: the mTOR pathway as an antiepileptogenic target. <i>Epilepsia</i> , <b>2012</b> , 53, 1119-30	6.4	114
72	Enhanced GABAergic network and receptor function in pediatric cortical dysplasia Type IIB compared with Tuberous Sclerosis Complex. <i>Neurobiology of Disease</i> , <b>2012</b> , 45, 310-21	7.5	40
71	2B or not 2B: a tail of two NMDA receptor subunits. <i>Neuron</i> , <b>2012</b> , 74, 426-8	13.9	3
70	Functional Differences Between Direct and Indirect Striatal Output Pathways in Huntington's Disease. <i>Journal of Huntingtons Disease</i> , <b>2012</b> , 1, 17-25	1.9	40
69	Cognitive Deficits in Huntington's Disease: Insights from Animal Models. <i>Current Translational Geriatrics and Experimental Gerontology Reports</i> , <b>2012</b> , 1, 29-38		1
68	A critical window of CAG repeat-length correlates with phenotype severity in the R6/2 mouse model of Huntington's disease. <i>Journal of Neurophysiology</i> , <b>2012</b> , 107, 677-91	3.2	49
67	Evidence From the R6/2 Mouse Model of Huntington's Disease for Using Abnormal Brain Metabolism as a Biomarker for Evaluating Therapeutic Approaches for Treatment. <i>Future Neurology</i> , <b>2012</b> , 7, 527-530	1.5	6

66	Dopamine-NMDA receptor interactions: twenty years later. <i>Developmental Neuroscience</i> , <b>2012</b> , 34, 2-4	2.2	11
65	Regional and cell-type-specific effects of DAMGO on striatal D1 and D2 dopamine receptor-expressing medium-sized spiny neurons. <i>ASN Neuro</i> , <b>2012</b> , 4,	5.3	43
64	Dissecting the contribution of individual receptor subunits to the enhancement of N-methyl-d-aspartate currents by dopamine D1 receptor activation in striatum. <i>Frontiers in Systems Neuroscience</i> , <b>2011</b> , 5, 28	3.5	42
63	The clinicopathologic spectrum of focal cortical dysplasias: a consensus classification proposed by an ad hoc Task Force of the ILAE Diagnostic Methods Commission. <i>Epilepsia</i> , <b>2011</b> , 52, 158-74	6.4	1156
62	Elevated tonic extracellular dopamine concentration and altered dopamine modulation of synaptic activity precede dopamine loss in the striatum of mice overexpressing human $\beta$ synuclein. <i>Journal of Neuroscience Research</i> , <b>2011</b> , 89, 1091-102	4.4	107
61	Forebrain striatal-specific expression of mutant huntingtin protein in vivo induces cell-autonomous age-dependent alterations in sensitivity to excitotoxicity and mitochondrial function. <i>ASN Neuro</i> , <b>2011</b> , 3, e00060	5.3	19
60	Differential electrophysiological changes in striatal output neurons in Huntington's disease. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 1170-82	6.6	106
59	Electrophysiological Analysis of Movement Disorders in Mice. <i>Neuromethods</i> , <b>2011</b> , 221-239	0.4	
58	Dopamine modulation of excitatory currents in the striatum is dictated by the expression of D1 or D2 receptors and modified by endocannabinoids. <i>European Journal of Neuroscience</i> , <b>2010</b> , 31, 14-28	3.5	77
57	Location, location, location: contrasting roles of synaptic and extrasynaptic NMDA receptors in Huntington's disease. <i>Neuron</i> , <b>2010</b> , 65, 145-7	13.9	25
56	Dopamine and glutamate in Huntington's disease: A balancing act. <i>CNS Neuroscience and Therapeutics</i> , <b>2010</b> , 16, 163-78	6.8	113
55	Alpha-synuclein overexpression in mice alters synaptic communication in the corticostriatal pathway. <i>Journal of Neuroscience Research</i> , <b>2010</b> , 88, 1764-76	4.4	45
54	Genetic mouse models of Huntington's disease: focus on electrophysiological mechanisms. <i>ASN Neuro</i> , <b>2010</b> , 2, e00033	5.3	68
53	Alterations in striatal synaptic transmission are consistent across genetic mouse models of Huntington's disease. <i>ASN Neuro</i> , <b>2010</b> , 2, e00036	5.3	65
52	Comparative study of cellular and synaptic abnormalities in brain tissue samples from pediatric tuberous sclerosis complex and cortical dysplasia type II. <i>Epilepsia</i> , <b>2010</b> , 51 Suppl 3, 160-5	6.4	27
51	Interneurons, GABAA currents, and subunit composition of the GABAA receptor in type I and type II cortical dysplasia. <i>Epilepsia</i> , <b>2010</b> , 51 Suppl 3, 166-70	6.4	28
50	Rescuing the Corticostriatal Synaptic Disconnection in the R6/2 Mouse Model of Huntington's Disease: Exercise, Adenosine Receptors and Ampakines. <i>PLOS Currents</i> , <b>2010</b> , 2,		31
49	Epileptogenesis and Cortical Dysplasias <b>2010</b> , 353-357		2

48	What Have We Learned from Resective Surgery in Pediatric Patients with Cortical Dysplasia? <b>2010</b> , 301-318		
47	Alterations in cortical excitation and inhibition in genetic mouse models of Huntington's disease. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 10371-86	6.6	133
46	Age-dependent alterations of corticostriatal activity in the YAC128 mouse model of Huntington disease. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 2414-27	6.6	139
45	Assessment and surgical outcomes for mild type I and severe type II cortical dysplasia: a critical review and the UCLA experience. <i>Epilepsia</i> , <b>2009</b> , 50, 1310-35	6.4	293
44	The role of striatal NMDA receptors in drug addiction. <i>International Review of Neurobiology</i> , <b>2009</b> , 89, 131-46	4.4	22
43	Robert Naquet (1923-2005):The Scientific Odyssey of a French Gentleman. <i>Epilepsy and Seizure</i> , <b>2009</b> , 2, 1-16	0.3	
42	Differential electrophysiological properties of dopamine D1 and D2 receptor-containing striatal medium-sized spiny neurons. <i>European Journal of Neuroscience</i> , <b>2008</b> , 27, 671-82	3.5	149
41	Repeated exposure to methamphetamine causes long-lasting presynaptic corticostriatal depression that is renormalized with drug readministration. <i>Neuron</i> , <b>2008</b> , 58, 89-103	13.9	77
40	Full-length human mutant huntingtin with a stable polyglutamine repeat can elicit progressive and selective neuropathogenesis in BACHD mice. <i>Journal of Neuroscience</i> , <b>2008</b> , 28, 6182-95	6.6	467
39	Neuronal coupling via connexin36 contributes to spontaneous synaptic currents of striatal medium-sized spiny neurons. <i>Journal of Neuroscience Research</i> , <b>2008</b> , 86, 2147-58	4.4	26
38	Pyramidal cell responses to gamma-aminobutyric acid differ in type I and type II cortical dysplasia. <i>Journal of Neuroscience Research</i> , <b>2008</b> , 86, 3151-62	4.4	22
37	Altered corticostriatal neurotransmission and modulation in dopamine transporter knock-down mice. <i>Journal of Neurophysiology</i> , <b>2007</b> , 98, 423-32	3.2	38
36	Pathological cell-cell interactions are necessary for striatal pathogenesis in a conditional mouse model of Huntington's disease. <i>Molecular Neurodegeneration</i> , <b>2007</b> , 2, 8	19	99
35	A hypothesis regarding the pathogenesis and epileptogenesis of pediatric cortical dysplasia and hemimegalencephaly based on MRI cerebral volumes and NeuN cortical cell densities. <i>Epilepsia</i> , <b>2007</b> , 48 Suppl 5, 74-8	6.4	19
34	Immature neurons and GABA networks may contribute to epileptogenesis in pediatric cortical dysplasia. <i>Epilepsia</i> , <b>2007</b> , 48 Suppl 5, 79-85	6.4	65
33	Dopamine reduction of GABA currents in striatal medium-sized spiny neurons is mediated principally by the D(1) receptor subtype. <i>Neurochemical Research</i> , <b>2007</b> , 32, 229-40	4.6	12
32	Cytomegalic interneurons: a new abnormal cell type in severe pediatric cortical dysplasia. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2007</b> , 66, 491-504	3.1	58
31	The corticostriatal pathway in Huntington's disease. <i>Progress in Neurobiology</i> , <b>2007</b> , 81, 253-71	10.9	245

30	Activation, proliferation and commitment of endogenous stem/progenitor cells to the oligodendrocyte lineage by TS1 in a rat model of dysmyelination. <i>Developmental Neuroscience</i> , <b>2006</b> , 28, 488-98	2.2	13
29	Contralateral hemimicrencephaly and clinical-pathological correlations in children with hemimegalencephaly. <i>Brain</i> , <b>2006</b> , 129, 352-65	11.2	91
28	Where do you think you are going? The NMDA-D1 receptor trap. <i>Science Signaling</i> , <b>2006</b> , 2006, pe20	8.8	97
27	Dysfunctional channels are making noise in CAG triplet repeat disorders. <i>Experimental Neurology</i> , <b>2006</b> , 202, 267-70	5.7	1
26	Epileptogenesis in pediatric cortical dysplasia: the dysmature cerebral developmental hypothesis. <i>Epilepsy and Behavior</i> , <b>2006</b> , 9, 219-35	3.2	146
25	Altered cortical glutamate receptor function in the R6/2 model of Huntington's disease. <i>Journal of Neurophysiology</i> , <b>2006</b> , 95, 2108-19	3.2	64
24	Human cortical dysplasia and epilepsy: an ontogenetic hypothesis based on volumetric MRI and NeuN neuronal density and size measurements. <i>Cerebral Cortex</i> , <b>2005</b> , 15, 194-210	5.1	54
23	Status epilepticus and frequent seizures: incidence and clinical characteristics in pediatric epilepsy surgery patients. <i>Epilepsia</i> , <b>2005</b> , 46, 1950-4	6.4	23
22	Are cytomegalic neurons and balloon cells generators of epileptic activity in pediatric cortical dysplasia?. <i>Epilepsia</i> , <b>2005</b> , 46 Suppl 5, 82-8	6.4	70
21	Alterations in N-methyl-D-aspartate receptor sensitivity and magnesium blockade occur early in development in the R6/2 mouse model of Huntington's disease. <i>Journal of Neuroscience Research</i> , <b>2005</b> , 82, 377-86	4.4	77
20	Striatal potassium channel dysfunction in Huntington's disease transgenic mice. <i>Journal of Neurophysiology</i> , <b>2005</b> , 93, 2565-74	3.2	91
19	NMDA receptor alterations in neurons from pediatric cortical dysplasia tissue. <i>Cerebral Cortex</i> , <b>2004</b> , 14, 634-46	5.1	73
18	Increased GABAergic function in mouse models of Huntington's disease: reversal by BDNF. <i>Journal of Neuroscience Research</i> , <b>2004</b> , 78, 855-67	4.4	107
17	Genetic mouse models of Huntington's and Parkinson's diseases: illuminating but imperfect. <i>Trends in Neurosciences</i> , <b>2004</b> , 27, 691-7	13.3	151
16	Transient and progressive electrophysiological alterations in the corticostriatal pathway in a mouse model of Huntington's disease. <i>Journal of Neuroscience</i> , <b>2003</b> , 23, 961-9	6.6	298
15	Morphological and electrophysiological characterization of abnormal cell types in pediatric cortical dysplasia. <i>Journal of Neuroscience Research</i> , <b>2003</b> , 72, 472-86	4.4	140
14	Parkin-deficient mice exhibit nigrostriatal deficits but not loss of dopaminergic neurons. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 43628-35	5.4	674
13	Dopamine enhancement of NMDA currents in dissociated medium-sized striatal neurons: role of D1 receptors and DARPP-32. <i>Journal of Neurophysiology</i> , <b>2002</b> , 88, 3010-20	3.2	225



12	Differential sensitivity of medium- and large-sized striatal neurons to NMDA but not kainate receptor activation in the rat. <i>European Journal of Neuroscience</i> , <b>2001</b> , 14, 1577-89	3.5	33
11	NMDA receptor function in mouse models of Huntington disease. <i>Journal of Neuroscience Research</i> , <b>2001</b> , 66, 525-39	4.4	218
10	Changes in cortical and striatal neurons predict behavioral and electrophysiological abnormalities in a transgenic murine model of Huntington's disease. <i>Journal of Neuroscience</i> , <b>2001</b> , 21, 9112-23	6.6	243
9	Electrophysiological and morphological changes in striatal spiny neurons in R6/2 Huntington's disease transgenic mice. <i>Journal of Neurophysiology</i> , <b>2001</b> , 86, 2667-77	3.2	262
8	Neurons recorded from pediatric epilepsy surgery patients with cortical dysplasia. <i>Epilepsia</i> , <b>2000</b> , 41 Suppl 6, S162-7	6.4	55
7	Enhanced sensitivity to N-methyl-D-aspartate receptor activation in transgenic and knockin mouse models of Huntington's disease. <i>Journal of Neuroscience Research</i> , <b>1999</b> , 58, 515-532	4.4	249
6	Dopamine and N-methyl-D-aspartate receptor interactions in the neostriatum. <i>Developmental Neuroscience</i> , <b>1998</b> , 20, 1-18	2.2	317
5	Dopaminergic modulation of NMDA-induced whole cell currents in neostriatal neurons in slices: contribution of calcium conductances. <i>Journal of Neurophysiology</i> , <b>1998</b> , 79, 82-94	3.2	261
4	Dye-coupling in human neocortical tissue resected from children with intractable epilepsy. <i>Cerebral Cortex</i> , <b>1993</b> , 3, 95-107	5.1	26
3	Synaptic transmission in human neocortex removed for treatment of intractable epilepsy in children. <i>Annals of Neurology</i> , <b>1990</b> , 28, 503-11	9.4	47
2	Dye-coupling in the neostriatum of the rat: II. Decreased coupling between neurons during development. <i>Synapse</i> , <b>1989</b> , 4, 238-47	2.4	57
1	Mutations in CalDAG-GEFI Lead to Striatal Signaling Deficits and Psychomotor Symptoms in Multiple Species Including Human		2