David Finkelstein

List of Publications by Year in descending order

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201 papers	10,755 citations	22153 59 h-index	39675 94 g-index
219 all docs	219 docs citations	219 times ranked	14053 citing authors

#	Article	IF	Citations
1	Rapid Restoration of Cognition in Alzheimer's Transgenic Mice with 8-Hydroxy Quinoline Analogs Is Associated with Decreased Interstitial Aî². Neuron, 2008, 59, 43-55.	8.1	629
2	Tau deficiency induces parkinsonism with dementia by impairing APP-mediated iron export. Nature Medicine, 2012, 18, 291-295.	30.7	491
3	Cognitive Loss in Zinc Transporter-3 Knock-Out Mice: A Phenocopy for the Synaptic and Memory Deficits of Alzheimer's Disease?. Journal of Neuroscience, 2010, 30, 1631-1636.	3.6	327
4	Polylysine-functionalised thermoresponsive chitosan hydrogel for neural tissue engineering. Biomaterials, 2007, 28, 441-449.	11.4	298
5	Review Paper: A Review of the Cellular Response on Electrospun Nanofibers for Tissue Engineering. Journal of Biomaterials Applications, 2009, 24, 7-29.	2.4	264
6	Ferroptosis and cell death mechanisms in Parkinson's disease. Neurochemistry International, 2017, 104, 34-48.	3.8	260
7	LC3-Associated Phagocytosis in Myeloid Cells Promotes Tumor Immune Tolerance. Cell, 2018, 175, 429-441.e16.	28.9	242
8	Comparison of the basal ganglia in rats, marmosets, macaques, baboons, and humans: Volume and neuronal number for the output, internal relay, and striatal modulating nuclei. Journal of Comparative Neurology, 2002, 445, 238-255.	1.6	223
9	Ceruloplasmin dysfunction and therapeutic potential for Parkinson disease. Annals of Neurology, 2013, 73, 554-559.	5.3	218
10	Axonal sprouting following lesions of the rat substantia nigra. Neuroscience, 2000, 97, 99-112.	2.3	180
11	Tau protein: Relevance to Parkinson's disease. International Journal of Biochemistry and Cell Biology, 2010, 42, 1775-1778.	2.8	180
12	The hypoxia imaging agent CuII(atsm) is neuroprotective and improves motor and cognitive functions in multiple animal models of Parkinsonâ€™s disease. Journal of Experimental Medicine, 2012, 209, 837-854.	8.5	151
13	Neural tissue engineering of the CNS using hydrogels. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2008, 87B, 251-263.	3.4	145
14	Neurite infiltration and cellular response to electrospun polycaprolactone scaffolds implanted into the brain. Biomaterials, 2009, 30, 4573-4580.	11.4	140
15	Timecourse of striatal re-innervation following lesions of dopaminergic SNpc neurons of the rat. European Journal of Neuroscience, 2003, 18, 1175-1188.	2.6	137
16	Diacetylbis(N(4)-methylthiosemicarbazonato) Copper(II) (CuII(atsm)) Protects against Peroxynitrite-induced Nitrosative Damage and Prolongs Survival in Amyotrophic Lateral Sclerosis Mouse Model. Journal of Biological Chemistry, 2011, 286, 44035-44044.	3.4	123
17	Quantitative elemental bio-imaging of Mn, Fe, Cu and Zn in 6-hydroxydopamine induced Parkinsonism mouse models. Metallomics, 2009, 1, 53-58.	2.4	118
18	Motor and cognitive deficits in aged tau knockout mice in two background strains. Molecular Neurodegeneration, 2014, 9, 29.	10.8	117

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19	Metal Ionophore Treatment Restores Dendritic Spine Density and Synaptic Protein Levels in a Mouse Model of Alzheimer's Disease. PLoS ONE, 2011, 6, e17669.	2.5	115
20	The Role of Dopamine Receptors in Regulating the Size of Axonal Arbors. Journal of Neuroscience, 2001, 21, 5147-5157.	3.6	114
21	Three-Dimensional Atlas of Iron, Copper, and Zinc in the Mouse Cerebrum and Brainstem. Analytical Chemistry, 2012, 84, 3990-3997.	6.5	110
22	Parkinson's Disease Iron Deposition Caused by Nitric Oxide-Induced Loss of Î²-Amyloid Precursor Protein. Journal of Neuroscience, 2015, 35, 3591-3597.	3.6	109
23	Glial glutamate transporter expression patterns in brains from multiple mammalian species. Glia, 2005, 49, 520-541.	4.9	108
24	Comparative study on the distribution patterns of P2X1-P2X6 receptor immunoreactivity in the brainstem of the rat and the common marmoset (Callithrix jacchus): Association with catecholamine cell groups. Journal of Comparative Neurology, 2000, 427, 485-507.	1.6	105
25	The Role of Interleukin-1, Interleukin-6, and Glia in Inducing Growth of Neuronal Terminal Arbors in Mice. Journal of Neuroscience, 2002, 22, 8034-8041.	3.6	100
26	Projections from the lateral and interposed cerebellar nuclei to the thalamus of the rat: A light and electron microscopic study using single and double anterograde labelling. Journal of Comparative Neurology, 1994, 349, 165-181.	1.6	99
27	An ironâ€“dopamine index predicts risk of parkinsonian neurodegeneration in the substantia nigra pars compacta. Chemical Science, 2014, 5, 2160-2169.	7.4	98
28	Interaction of embryonic cortical neurons on nanofibrous scaffolds for neural tissue engineering. Journal of Neural Engineering, 2007, 4, 35-41.	3.5	96
29	Mice deficient for the chromosome 21 ortholog Itsn1 exhibit vesicle-trafficking abnormalities. Human Molecular Genetics, 2008, 17, 3281-3290.	2.9	89
30	Morphology and gelation of thermosensitive chitosan hydrogels. Biophysical Chemistry, 2005, 117, 47-53.	2.8	87
31	Is early-life iron exposure critical in neurodegeneration?. Nature Reviews Neurology, 2015, 11, 536-544.	10.1	86
32	GSK-3Î² dysregulation contributes to parkinsonâ€™s-like pathophysiology with associated region-specific phosphorylation and accumulation of tau and Î±-synuclein. Cell Death and Differentiation, 2015, 22, 838-851.	11.2	86
33	Estrogen down-regulates glial activation in male mice following 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine intoxication. Brain Research, 2006, 1084, 28-37.	2.2	84
34	Sprouting of dopamine terminals and altered dopamine release and uptake in Parkinsonian dyskinaesia. Brain, 2008, 131, 1574-1587.	7.6	82
35	Method to Impart Electro- and Biofunctionality to Neural Scaffolds Using Grapheneâ€“Polyelectrolyte Multilayers. ACS Applied Materials & Interfaces, 2012, 4, 4524-4531.	8.0	80
36	Graphene Functionalized Scaffolds Reduce the Inflammatory Response and Supports Endogenous Neuroblast Migration when Implanted in the Adult Brain. PLoS ONE, 2016, 11, e0151589.	2.5	80

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37	High-Resolution Elemental Bioimaging of Ca, Mn, Fe, Co, Cu, and Zn Employing LA-ICP-MS and Hydrogen Reaction Gas. Analytical Chemistry, 2012, 84, 6707-6714.	6.5	77
38	Pathogenic mechanisms of prion protein, amyloidâ€Î² and Î±â€synuclein misfolding: the prion concept and neurotoxicity of protein oligomers. Journal of Neurochemistry, 2016, 139, 162-180.	3.9	77
39	The novel compound PBT434 prevents iron mediated neurodegeneration and alpha-synuclein toxicity in multiple models of Parkinsonâ€™s disease. Acta Neuropathologica Communications, 2017, 5, 53.	5.2	77
40	A review of ÃŽÂ²-amyloid neuroimaging in Alzheimer's disease. Frontiers in Neuroscience, 2014, 8, 327.	2.8	76
41	Clioquinol rescues Parkinsonism and dementia phenotypes of the tau knockout mouse. Neurobiology of Disease, 2015, 81, 168-175.	4.4	73
42	A mouse model of spinal and bulbar muscular atrophy. Human Molecular Genetics, 2002, 11, 2103-2111.	2.9	72
43	Three-dimensional elemental bio-imaging of Fe, Zn, Cu, Mn and P in a 6-hydroxydopamine lesioned mouse brain. Metallomics, 2010, 2, 745.	2.4	72
44	Age-Dependent Effects of A53T Alpha-Synuclein on Behavior and Dopaminergic Function. PLoS ONE, 2013, 8, e60378.	2.5	72
45	Leukemia inhibitory factor enhances the regeneration of transected rat sciatic nerve and the function of reinnervated muscle. , 1997, 47, 208-215.		71
46	Over-expression of RCAN1 causes Down syndrome-like hippocampal deficits that alter learning and memory. Human Molecular Genetics, 2012, 21, 3025-3041.	2.9	71
47	Typeâ€1 interferons contribute to the neuroinflammatory response and disease progression of the MPTP mouse model of Parkinson's disease. Glia, 2016, 64, 1590-1604.	4.9	71
48	Targeting the Progression of Parkinsons Disease. Current Neuropharmacology, 2009, 7, 9-36.	2.9	69
49	Visualising mouse neuroanatomy and function by metal distribution using laser ablation-inductively coupled plasma-mass spectrometry imaging. Chemical Science, 2015, 6, 5383-5393.	7.4	69
50	Study of projections from the entopeduncular nucleus to the thalamus of the rat. Journal of Comparative Neurology, 2000, 426, 366-377.	1.6	68
51	Trehalose Improves Cognition in the Transgenic Tg2576 Mouse Model of Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2017, 60, 549-560.	2.6	68
52	Morphology and gelation of thermosensitive xyloglucan hydrogels. Biophysical Chemistry, 2006, 121, 14-20.	2.8	67
53	Lithium suppression of tau induces brain iron accumulation and neurodegeneration. Molecular Psychiatry, 2017, 22, 396-406.	7.9	66
54	Improving acquisition times of elemental bio-imaging for quadrupole-based LA-ICP-MS. Journal of Analytical Atomic Spectrometry, 2012, 27, 159-164.	3.0	65

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55	Implantable amyloid hydrogels for promoting stem cell differentiation to neurons. NPG Asia Materials, 2016, 8, e304-e304.	7.9	65
56	Australian Stringhalt â€•epidemiological, clinical and neurological investigations. Equine Veterinary Journal, 1989, 21, 266-273.	1.7	64
57	Metallobiology of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine neurotoxicity. Metallomics, 2013, 5, 91.	2.4	64
58	Clioquinol Improves Cognitive, Motor Function, and Microanatomy of the Alpha-Synuclein hA53T Transgenic Mice. ACS Chemical Neuroscience, 2016, 7, 119-129.	3.5	64
59	Targeted Expression of a Toxin Gene to D1 Dopamine Receptor Neurons byCre-Mediated Site-Specific Recombination. Journal of Neuroscience, 1998, 18, 9845-9857.	3.6	63
60	Neuronal nicotinic receptors: insights gained from gene knockout an knocking mutant mice. Cellular and Molecular Life Sciences, 2003, 60, 1267-1280.	5.4	63
61	Projections from the substantia nigra pars reticulata to the motor thalamus of the rat: Single axon reconstructions and immunohistochemical study. Journal of Comparative Neurology, 2001, 440, 20-30.	1.6	61
62	Effects of long-term treatment with dopamine receptor agonists and antagonists on terminal arbor size. European Journal of Neuroscience, 2002, 16, 787-794.	2.6	61
63	Iron accumulation confers neurotoxicity to a vulnerable population of nigral neurons: implications for Parkinsonâ€™s disease. Molecular Neurodegeneration, 2014, 9, 27.	10.8	60
64	Excessive early-life dietary exposure: a potential source of elevated brain iron and a risk factor for Parkinsonâ€™s disease. Npj Parkinson's Disease, 2017, 3, 1.	5.3	60
65	Nanofibrous scaffolds releasing a small molecule BDNF-mimetic for the re-direction of endogenous neuroblast migration in the brain. Biomaterials, 2014, 35, 2692-2712.	11.4	59
66	PBT2 Reduces Toxicity in a C. elegans Model of polyQ Aggregation and Extends Lifespan, Reduces Striatal Atrophy and Improves Motor Performance in the R6/2 Mouse Model of Huntington's Disease. Journal of Huntington's Disease, 2012, 1, 211-219.	1.9	57
67	The role of lipids in Î±-synuclein misfolding and neurotoxicity. Journal of Biological Chemistry, 2019, 294, 9016-9028.	3.4	55
68	Recovery of muscle after different periods of denervation and treatments. Muscle and Nerve, 1993, 16, 769-777.	2.2	51
69	Cell infiltration into a 3D electrospun fiber and hydrogel hybrid scaffold implanted in the brain. Biomatter, 2015, 5, e1005527.	2.6	51
70	Enduring Elevations of Hippocampal Amyloid Precursor Protein and Iron Are Features of Î²-Amyloid Toxicity and Are Mediated by Tau. Neurotherapeutics, 2015, 12, 862-873.	4.4	50
71	Parkinsonism as a Third Wave of the COVID-19 Pandemic?. Journal of Parkinson's Disease, 2020, 10, 1343-1353.	2.8	50
72	Enhancing neurite outgrowth from primary neurones and neural stem cells using thermoresponsive hydrogel scaffolds for the repair of spinal cord injury. Journal of Biomedical Materials Research - Part A, 2009, 89A, 24-35.	4.0	49

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73	Changes in function and ultrastructure of striatal dopaminergic terminals that regenerate following partial lesions of the SNpc. Journal of Neurochemistry, 2004, 86, 329-343.	3.9	48
74	Metal chaperones prevent zinc-mediated cognitive decline. Neurobiology of Disease, 2015, 81, 196-202.	4.4	47
75	Interactions of metals and Apolipoprotein E in AlzheimerÃ¢â‚¬â„¢s disease. Frontiers in Aging Neuroscience, 2014, 6, 121.	3.4	46
76	A novel approach to rapidly prevent ageâ€related cognitive decline. Aging Cell, 2014, 13, 351-359.	6.7	46
77	Implantation of Functionalized Thermally Gelling Xyloglucan Hydrogel Within the Brain: Associated Neurite Infiltration and Inflammatory Response. Tissue Engineering - Part A, 2010, 16, 2833-2842.	3.1	45
78	The effect of paraformaldehyde fixation and sucrose cryoprotection on metal concentration in murine neurological tissue. Journal of Analytical Atomic Spectrometry, 2014, 29, 565-570.	3.0	45
79	Inflammatory response on injection of chitosan/GP to the brain. Journal of Materials Science: Materials in Medicine, 2006, 17, 633-639.	3.6	44
80	Effects of GDNFâ€Loaded Injectable Gelatinâ€Based Hydrogels on Endogenous Neural Progenitor Cell Migration. Advanced Healthcare Materials, 2014, 3, 761-774.	7.6	44
81	Dopamine D² receptor knockout mice develop features of Parkinson disease. Annals of Neurology, 2009, 66, 472-484.	5.3	41
82	Surface and bulk characterisation of electrospun membranes: Problems and improvements. Colloids and Surfaces B: Biointerfaces, 2009, 71, 1-12.	5.0	39
83	Comparative Study of Metal Quantification in Neurological Tissue Using Laser Ablation-Inductively Coupled Plasma-Mass Spectrometry Imaging and X-ray Fluorescence Microscopy. Analytical Chemistry, 2015, 87, 6639-6645.	6.5	39
84	Trehalose improves traumatic brain injury-induced cognitive impairment. PLoS ONE, 2017, 12, e0183683.	2.5	39
85	Sprouting of Dopaminergic Axons after Striatal Injury: Confirmation by Markers Not Dependent on Dopamine Metabolism. Experimental Neurology, 1999, 159, 565-573.	4.1	38
86	Electroencephalographic characterisation of pentylenetetrazole-induced seizures in mice lacking the Î±4 subunit of the neuronal nicotinic receptor. Neuropharmacology, 2003, 44, 234-243.	4.1	37
87	Î±-Synuclein Transgenic Mice Reveal Compensatory Increases in Parkinson's Disease-Associated Proteins DJ-1 and Parkin and Have Enhanced Î±-Synuclein and PINK1 Levels After Rotenone Treatment. Journal of Molecular Neuroscience, 2010, 42, 243-254.	2.3	37
88	Iron Regulates Apolipoprotein E Expression and Secretion in Neurons and Astrocytes. Journal of Alzheimer's Disease, 2016, 51, 471-487.	2.6	37
89	Mice Lacking the Î±4 Nicotinic Receptor Subunit Fail to Modulate Dopaminergic Neuronal Arbors and Possess Impaired Dopamine Transporter Function. Molecular Pharmacology, 2005, 68, 1376-1386.	2.3	36
90	Transferrin protects against Parkinsonian neurotoxicity and is deficient in Parkinsonâ€™s substantia nigra. Signal Transduction and Targeted Therapy, 2016, 1, 16015.	17.1	36

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91	A time-course analysis of changes in cerebral metal levels following a controlled cortical impact. Metallomics, 2016, 8, 193-200.	2.4	36
92	Comparative study on the distribution patterns of P2X(1)-P2X(6) receptor immunoreactivity in the brainstem of the rat and the common marmoset (Callithrix jacchus): association with catecholamine cell groups. Journal of Comparative Neurology, 2000, 427, 485-507.	1.6	36
93	Differential expression of the GABA transporters GAT-1 and GAT-3 in brains of rats, cats, monkeys and humans. Cell and Tissue Research, 2005, 320, 379-392.	2.9	35
94	Glia and zinc in ageing and AlzheimerÃ¢â‚¬â„¢s disease: a mechanism for cognitive decline?. Frontiers in Aging Neuroscience, 2014, 6, 137.	3.4	35
95	N-acetylcysteine modulates glutamatergic dysfunction and depressive behavior in Huntingtonâ€™s disease. Human Molecular Genetics, 2016, 25, ddw144.	2.9	34
96	Leukemia inhibitory factor is a myotrophic and neurotrophic agent that enhances the reinnervation of muscle in the rat. , 1996, 46, 122-128.		33
97	Serotonergic markers in Parkinson's disease and levodopaâ€induced dyskinesias. Movement Disorders, 2015, 30, 796-804.	3.9	32
98	Effects of Neonatal Iron Feeding and Chronic Clioquinol Administration on the Parkinsonian Human A53T Transgenic Mouse. ACS Chemical Neuroscience, 2016, 7, 360-366.	3.5	32
99	17Î²-Estradiol reduces nitrotyrosine immunoreactivity and increases SOD1 and SOD2 immunoreactivity in nigral neurons in male mice following MPTP insult. Brain Research, 2007, 1164, 24-31.	2.2	31
100	Relaxin Family Peptides and Receptors in Mammalian Brain. Annals of the New York Academy of Sciences, 2009, 1160, 226-235.	3.8	31
101	Migration and Differentiation of Neural Stem Cells Diverted From the Subventricular Zone by an Injectable Self-Assembling Î²-Peptide Hydrogel. Frontiers in Bioengineering and Biotechnology, 2019, 7, 315.	4.1	31
102	Fibrillar Î±-synuclein toxicity depends on functional lysosomes. Journal of Biological Chemistry, 2020, 295, 17497-17513.	3.4	30
103	Study of projections from the entopeduncular nucleus to the thalamus of the rat. Journal of Comparative Neurology, 2000, 426, 366-77.	1.6	30
104	Dopaminergic innervation of the human striatum in Parkinson's disease. Movement Disorders, 2005, 20, 810-818.	3.9	29
105	Postural changes after lesions of the substantia nigra pars reticulata in hemiparkinsonian monkeys. Behavioural Brain Research, 2005, 160, 267-276.	2.2	28
106	Leucine-rich repeat-containing G-protein-coupled receptor 8 in the rat brain: Enrichment in thalamic neurons and their efferent projections. Neuroscience, 2008, 156, 319-333.	2.3	28
107	Increased Ndfip1 in the Substantia Nigra of Parkinsonian Brains Is Associated with Elevated Iron Levels. PLoS ONE, 2014, 9, e87119.	2.5	28
108	Regional distribution of low affinity kainate receptors in brain of Macaca fascicularis determined by autoradiography using [3H](2S,4R)-4-methylglutamate. Neuroscience Letters, 1998, 255, 71-74.	2.1	27

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109	D2Dopamine receptor blockade results in sprouting of DA axons in the intact animal but prevents sprouting following nigral lesions. European Journal of Neuroscience, 2003, 17, 1033-1045.	2.6	25
110	Molecular level and microstructural characterisation of thermally sensitive chitosan hydrogels. Soft Matter, 2009, 5, 4704.	2.7	25
111	The effect of dopamine on MPTP-induced rotarod disability. Neuroscience Letters, 2013, 543, 105-109.	2.1	25
112	Restoration of intestinal function in an MPTP model of Parkinsonâ€™s Disease. Scientific Reports, 2016, 6, 30269.	3.3	25
113	Regional iron distribution and soluble ferroprotein profiles in the healthy human brain. Progress in Neurobiology, 2020, 186, 101744.	5.7	25
114	Pathogenic Impact of Î±-Synuclein Phosphorylation and Its Kinases in Î±-Synucleinopathies. International Journal of Molecular Sciences, 2022, 23, 6216.	4.1	25
115	<scp>l</scp>â€3,4â€dihydroxyphenylalanine (<scp>l</scp>â€DOPA) modulates brain iron, dopaminergic neurodegeneration and motor dysfunction in iron overload and mutant alphaâ€synuclein mouse models of Parkinson's disease. Journal of Neurochemistry, 2019, 150, 88-106.	3.9	24
116	The effect of surface hydrophilicity on the behavior of embryonic cortical neurons. Journal of Colloid and Interface Science, 2006, 299, 647-655.	9.4	23
117	Metals in Alzheimerâ€™s and Parkinsonâ€™s Disease: Relevance to Dementia with Lewy Bodies. Journal of Molecular Neuroscience, 2016, 60, 279-288.	2.3	23
118	Analogues of desferrioxamine B designed to attenuate iron-mediated neurodegeneration: synthesis, characterisation and activity in the MPTP-mouse model of Parkinson's disease. Metallomics, 2017, 9, 852-864.	2.4	23
119	Effects of thyroidectomy on development of skeletal muscle in fetal sheep. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1991, 261, R1300-R1306.	1.8	21
120	Murine embryonic EGF-responsive ventral mesencephalic neurospheres display distinct regional specification and promote survival of dopaminergic neurons. Experimental Neurology, 2006, 199, 209-221.	4.1	21
121	Fetal striatum- and ventral mesencephalonâ€“derived expanded neurospheres rescue dopaminergic neurons in vitro and the nigro-striatal system in vivo. Neuroscience, 2008, 154, 606-620.	2.3	21
122	Effect of unilateral lesion of the nigrostriatal dopamine pathway on survival and neurochemistry of parafascicular nucleus neurons in the rat â€” Evaluation of time-course and LGR8 expression. Brain Research, 2009, 1271, 83-94.	2.2	21
123	Age modulates the injury-induced metallomic profile in the brain. Metallomics, 2017, 9, 402-410.	2.4	21
124	FGF plays a subtle role in oligodendrocyte maintenance in vivo. Journal of Neuroscience Research, 1997, 49, 404-415.	2.9	20
125	Proconvulsant-induced seizures in Î±4 nicotinic acetylcholine receptor subunit knockout mice. Neuropharmacology, 2002, 43, 55-64.	4.1	20
126	Targeting metals rescues the phenotype in an animal model of tauopathy. Metallomics, 2018, 10, 1339-1347.	2.4	20

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127	On the distribution of cholecystokinin B receptors in monkey brain. Brain Research, 1996, 738, 313-318.	2.2	19
128	Role of metal ions in the cognitive decline of Down syndrome. Frontiers in Aging Neuroscience, 2014, 6, 136.	3.4	19
129	Distribution of Parkinsonâ€™s disease associated RAB39B in mouse brain tissue. Molecular Brain, 2020, 13, 52.	2.6	19
130	Neural activity in the monkey anterior ventrolateral thalamus during trained, ballistic movements. Journal of Neurophysiology, 1993, 70, 2276-2288.	1.8	18
131	An electron microscopic tracer study of the projections from entopeduncular nucleus to the ventrolateral nucleus of the rat. Neuroscience Letters, 1996, 211, 33-36.	2.1	18
132	A comparison of methods used to detect changes in neuronal discharge patterns. Journal of Neuroscience Methods, 1997, 76, 203-210.	2.5	18
133	Nitrergic stimulation of the locus coeruleus modulates blood pressure and heart rate in the anaesthetized rat. Neuroscience, 1999, 91, 621-629.	2.3	18
134	The association of enteric neuropathy with gut phenotypes in acute and progressive models of Parkinsonâ€™s disease. Scientific Reports, 2021, 11, 7934.	3.3	18
135	Contractile properties of cat motor units enlarged by motoneurone sprouting. Experimental Brain Research, 1985, 60, 590-3.	1.5	17
136	The effects of reversible inactivation of the subthalamo-pallidal pathway on the behaviour of naive and hemiparkinsonian monkeys. Journal of Clinical Neuroscience, 1997, 4, 218-227.	1.5	17
137	Neurochemical changes in dopamine D1, D3 and D1/D3 receptor knockout mice. European Journal of Pharmacology, 2003, 472, 39-47.	3.5	17
138	Glial responses associated with dopaminergic striatal reinnervation following lesions of the rat substantia nigra. Brain Research, 2004, 1023, 83-91.	2.2	17
139	Investigation of nerve pathways mediating colorectal dysfunction in Parkinsonâ€™s disease model produced by lesion of nigrostriatal dopaminergic neurons. Neurogastroenterology and Motility, 2020, 32, e13893.	3.0	17
140	Deferiprone Treatment in Aged Transgenic Tau Mice Improves Y-Maze Performance and Alters Tau Pathology. Neurotherapeutics, 2021, 18, 1081-1094.	4.4	17
141	Early direct and transneuronal effects in mice with targeted expression of a toxin gene to D1 dopamine receptor neurons. Neuroscience, 1999, 95, 1025-1033.	2.3	16
142	Haloperidol treatment reverses behavioural and anatomical changes in cocaine-dependent mice. Neurobiology of Disease, 2005, 19, 301-311.	4.4	16
143	Zinc affects the proteolytic stability of Apolipoprotein E in an isoform-dependent way. Neurobiology of Disease, 2015, 81, 38-48.	4.4	16
144	Pramipexole restores depressed transmission in the ventral hippocampus following MPTP-lesion. Scientific Reports, 2017, 7, 44426.	3.3	16

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145	Modulating Protein Phosphatase 2A Rescues Disease Phenotype in Neurodegenerative Tauopathies. ACS Chemical Neuroscience, 2018, 9, 2731-2740.	3.5	16
146	Functional and structural changes of rat plantaris motoneurons following compensatory hypertrophy of the muscle. The Anatomical Record, 1991, 229, 129-137.	1.8	15
147	Developmental changes in hindlimb muscles and diaphragm of sheep. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1992, 263, R900-R908.	1.8	15
148	Exercise and physical activity for people with Progressive Supranuclear Palsy: a systematic review. Clinical Rehabilitation, 2020, 34, 23-33.	2.2	15
149	Clioquinol Synergistically Augments Rescue by Zinc Supplementation in a Mouse Model of Acrodermatitis Enteropathica. PLoS ONE, 2013, 8, e72543.	2.5	15
150	Amine oxidase activity of Î²-amyloid precursor protein modulates systemic and local catecholamine levels. Molecular Psychiatry, 2013, 18, 245-254.	7.9	14
151	Misfolded Î±-synuclein causes hyperactive respiration without functional deficit in live neuroblastoma cells. DMM Disease Models and Mechanisms, 2020, 13, .	2.4	14
152	Gastrointestinal Dysfunction in Parkinsonâ€™s Disease: Current and Potential Therapeutics. Journal of Personalized Medicine, 2022, 12, 144.	2.5	14
153	The relationship between monkey ventrolateral thalamic nucleus activity and kinematic parameters of wrist movement. Brain Research, 1996, 736, 146-159.	2.2	13
154	Estrogen enhances the number of nigral dopaminergic neurons of adult male mice without affecting nigral neuroglial number and morphology. Neuroscience Letters, 2008, 435, 210-214.	2.1	13
155	Trehalose elevates brain zinc levels following controlled cortical impact in a mouse model of traumatic brain injury. Metallomics, 2018, 10, 846-853.	2.4	13
156	Early existence and biochemical evolution characterise acutely synaptotoxic PrPSc. PLoS Pathogens, 2019, 15, e1007712.	4.7	13
157	Î±-Synuclein Regulates Development and Function of Cholinergic Enteric Neurons in the Mouse Colon. Neuroscience, 2019, 423, 76-85.	2.3	13
158	Chronic corticotropin-releasing factor type 1 receptor antagonism with antalarmin regulates the dopaminergic system of Fawn-Hooded rats. Journal of Neurochemistry, 2005, 94, 1523-1534.	3.9	11
159	Prion acute synaptotoxicity is largely driven by protease-resistant PrPSc species. PLoS Pathogens, 2018, 14, e1007214.	4.7	11
160	Intravenous Immunglobulin Binds Beta Amyloid and Modifies Its Aggregation, Neurotoxicity and Microglial Phagocytosis In Vitro. PLoS ONE, 2013, 8, e63162.	2.5	10
161	Therapeutic applications of chelating drugs in iron metabolic disorders of the brain and retina. Journal of Neuroscience Research, 2020, 98, 1889-1904.	2.9	10
162	Reduced striatal vesicular monoamine transporter 2 in REM sleep behavior disorder: imaging prodromal parkinsonism. Scientific Reports, 2020, 10, 17631.	3.3	10

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163	The Compound ATH434 Prevents Alpha-Synuclein Toxicity in a Murine Model of Multiple System Atrophy. Journal of Parkinson's Disease, 2022, 12, 105-115.	2.8	9
164	Quantified Assessment of Terminal Density and Innervation. Current Protocols in Neuroscience, 2004, 27, Unit 1.13.	2.6	8
165	Acute Neurotoxicity Models of Prion Disease. ACS Chemical Neuroscience, 2018, 9, 431-445.	3.5	8
166	Î±-Synuclein E46K Mutation and Involvement of Oxidative Stress in a Drosophila Model of Parkinsonâ€™s Disease. Parkinson's Disease, 2021, 2021, 1-12.	1.1	8
167	Therapeutic potential of iron modulating drugs in a mouse model of multiple system atrophy. Neurobiology of Disease, 2021, 159, 105509.	4.4	8
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