Sheila M Fleming

List of Publications by Year
in descending order

53 papers	5,330 citations	159585 30 h-index	197818 49 g-index
55 all docs	55 docs citations	55 times ranked	6910 citing authors

#	Article	IF	Citations
1	CNS plasticity and assessment of forelimb sensorimotor outcome in unilateral rat models of stroke, cortical ablation, parkinsonism and spinal cord injury. Neuropharmacology, 2000, 39, 777-787.	4.1	1,217
2	Parkin-deficient Mice Exhibit Nigrostriatal Deficits but Not Loss of Dopaminergic Neurons. Journal of Biological Chemistry, 2003, 278, 43628-43635.	3.4	784
3	Early and Progressive Sensorimotor Anomalies in Mice Overexpressing Wild-Type Human Â-Synuclein. Journal of Neuroscience, 2004, 24, 9434-9440.	3.6	428
4	Olfactory deficits in mice overexpressing human wildtype Î±â€synuclein. European Journal of Neuroscience, 2008, 28, 247-256.	2.6	182
5	Behavioral and immunohistochemical effects of chronic intravenous and subcutaneous infusions of varying doses of rotenone. Experimental Neurology, 2004, 187, 418-429.	4.1	179
6	Genetic mouse models of Huntington's and Parkinson's diseases: illuminating but imperfect. Trends in Neurosciences, 2004, 27, 691-697.	8.6	170
7	Bacterial Artificial Chromosome Transgenic Mice Expressing a Truncated Mutant Parkin Exhibit Age-Dependent Hypokinetic Motor Deficits, Dopaminergic Neuron Degeneration, and Accumulation of Proteinase K-Resistant Î±-Synuclein. Journal of Neuroscience, 2009, 29, 1962-1976.	3.6	168
8	3,4-Dihydroxyphenylalanine Reverses the Motor Deficits in Pitx3-Deficient Aphakia Mice: Behavioral Characterization of a Novel Genetic Model of Parkinson's Disease. Journal of Neuroscience, 2005, 25, 2132-2137.	3.6	162
9	HCN channelopathy in external globus pallidus neurons in models of Parkinson's disease. Nature Neuroscience, 2011, 14, 85-92.	14.8	160
10	Genetic mouse models of parkinsonism: Strengths and limitations. NeuroRx, 2005, 2, 495-503.	6.0	150
11	Atp13a2-deficient mice exhibit neuronal ceroid lipofuscinosis, limited Î±-synuclein accumulation and age-dependent sensorimotor deficits. Human Molecular Genetics, 2013, 22, 2067-2082.	2.9	124
12	Assessment of Sensorimotor Function in Mouse Models of Parkinson's Disease. Journal of Visualized Experiments, 2013, , .	0.3	115
13	Abnormal colonic motility in mice overexpressing human wild-type Î±-synuclein. NeuroReport, 2008, 19, 873-876.	1.2	110
14	Sensorimotor assessment of the unilateral 6-hydroxydopamine mouse model of Parkinson's disease. Behavioural Brain Research, 2012, 230, 309-316.	2.2	108
15	A GCase Chaperone Improves Motor Function in a Mouse Model of Synucleinopathy. Neurotherapeutics, 2014, 11, 840-856.	4.4	88
16	Cognitive deficits in a mouse model of preâ€manifest Parkinsonâ€™s disease. European Journal of Neuroscience, 2012, 35, 870-882.	2.6	87
17	Variable effects of chronic subcutaneous administration of rotenone on striatal histology. Journal of Comparative Neurology, 2004, 478, 418-426.	1.6	86
18	Mechanisms of Gene-Environment Interactions in Parkinsonâ€™s Disease. Current Environmental Health Reports, 2017, 4, 192-199.	6.7	74

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19	Morphological and Behavioral Impact of AAV2/5-Mediated Overexpression of Human Wildtype Alpha-Synuclein in the Rat Nigrostriatal System. PLoS ONE, 2013, 8, e81426.	2.5	70
20	A pilot trial of the microtubule-interacting peptide (NAP) in mice overexpressing alpha-synuclein shows improvement in motor function and reduction of alpha-synuclein inclusions. Molecular and Cellular Neurosciences, 2011, 46, 597-606.	2.2	68
21	Time course and magnitude of alpha-synuclein inclusion formation and nigrostriatal degeneration in the rat model of synucleinopathy triggered by intrastriatal Î±-synuclein preformed fibrils. Neurobiology of Disease, 2019, 130, 104525.	4.4	67
22	Pharmacological inhibition of CSF1R by GW2580 reduces microglial proliferation and is protective against neuroinflammation and dopaminergic neurodegeneration. FASEB Journal, 2020, 34, 1679-1694.	0.5	66
23	Olfactory Assays for Mouse Models of Neurodegenerative Disease. Journal of Visualized Experiments, 2014, , e51804.	0.3	64
24	Behavioral phenotypes and pharmacology in genetic mouse models of Parkinsonism. Behavioural Pharmacology, 2006, 17, 383-391.	1.7	59
25	An intermittent, controlled-rate, slow progressive degeneration model of Parkinsonâ€™s disease: antiparkinson effects of Sinemet and protective effects of methylphenidate. Behavioural Brain Research, 2005, 156, 201-213.	2.2	57
26	Secretion of amyloidogenic gelsolin progressively compromises protein homeostasis leading to the intracellular aggregation of proteins. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 11125-11130.	7.1	49
27	Intranasal <scp>NAP</scp> (davunetide) decreases tau hyperphosphorylation and moderately improves behavioral deficits in mice overexpressing Î±â€synuclein. Pharmacology Research and Perspectives, 2014, 2, e00065.	2.4	40
28	Should the injured and intact hemispheres be treated differently during the early phases of physical restorative therapy in experimental stroke or parkinsonism?. Physical Medicine and Rehabilitation Clinics of North America, 2003, 14, S27-S46.	1.3	36
29	Experimental Focal Ischemic Injury: Behavior-Brain Interactions and Issues of Animal Handling and Housing. ILAR Journal, 2003, 44, 130-143.	1.8	34
30	Effects of antioxidants on cancer prevention and neuromotor performance in Atm deficient mice. Food and Chemical Toxicology, 2008, 46, 1371-1377.	3.6	30
31	Analysis of striatal transcriptome in mice overexpressing human wild-type alpha-synuclein supports synaptic dysfunction and suggests mechanisms of neuroprotection for striatal neurons. Molecular Neurodegeneration, 2011, 6, 83.	10.8	30
32	Chronic administration of cholesterol oximes in mice increases transcription of cytoprotective genes and improves transcriptome alterations induced by alpha-synuclein overexpression in nigrostriatal dopaminergic neurons. Neurobiology of Disease, 2014, 69, 263-275.	4.4	28
33	Involvement of Î´- and Î¼-opioid receptors in the potentiation of brain-stimulation reward. European Journal of Pharmacology, 1996, 316, 137-143.	3.5	26
34	Developmental exposure to the organochlorine pesticide dieldrin causes male-specific exacerbation of Î±-synuclein-preformed fibril-induced toxicity and motor deficits. Neurobiology of Disease, 2020, 141, 104947.	4.4	24
35	Cranial and related sensorimotor impairments in rodent models of Parkinson's disease. Behavioural Brain Research, 2012, 231, 317-322.	2.2	21
36	The effect of manganese exposure in Atp13a2-deficient mice. NeuroToxicology, 2018, 64, 256-266.	3.0	21

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37	Impaired Baroreflex Function in Mice Overexpressing Alpha-Synuclein. Frontiers in Neurology, 2013, 4, 103.	2.4	20
38	Behavioral Outcome Measures for the Assessment of Sensorimotor Function in Animal Models of Movement Disorders. International Review of Neurobiology, 2009, 89, 57-65.	2.0	17
39	Mice overexpressing corticotropin-releasing factor show brain atrophy and motor dysfunctions. Neuroscience Letters, 2010, 473, 11-15.	2.1	17
40	Exacerbation of sensorimotor dysfunction in mice deficient in Atp13a2 and overexpressing human wildtype alpha-synuclein. Behavioural Brain Research, 2018, 343, 41-49.	2.2	17
41	Prefrontal cortex infusions of SCH 23390 cause immediate and delayed effects on ventral tegmental area stimulation reward. Brain Research, 1998, 811, 57-62.	2.2	14
42	Targeting alpha-synuclein via the immune system in Parkinson's disease: Current vaccine therapies. Neuropharmacology, 2022, 202, 108870.	4.1	14
43	Cardiovascular Autonomic Dysfunction in Animal Models of Parkinson's Disease. Journal of Parkinson's Disease, 2011, 1, 321-327.	2.8	11
44	Ahr and Cyp1a2 genotypes both affect susceptibility to motor deficits following gestational and lactational exposure to polychlorinated biphenyls. NeuroToxicology, 2018, 65, 125-134.	3.0	11
45	Irisin treatment lowers levels of phosphorylated tau in the hippocampus of preâ€symptomatic female but not male htau mice. Neuropathology and Applied Neurobiology, 2021, 47, 967-978.	3.2	10
46	Cinnamon in a mouse model of PD. Movement Disorders, 2014, 29, 1466-1466.	3.9	5
47	Phenotypical Characterization of Genetic Mouse Models of Parkinson Disease. , 2005, , 183-192.		4
48	Modeling Nonmotor Symptoms of Parkinsonâ€™s Disease in Genetic Mouse Models. Advances in Behavioral Biology, 2009, , 483-491.	0.2	3
49	Farey Trees Explain Sequential Effects in Choice Response Time. Frontiers in Physiology, 2021, 12, 611145.	2.8	2
50	Cognitive Dysfunction in Genetic Mouse Models of Parkinsonism. Neuromethods, 2011, , 485-492.	0.3	2
51	Comparing Behavioral Assessment of Sensorimotor Function in Rat and Mouse Models of Parkinsonâ€™s Disease and Stroke. Neuromethods, 2011, , 325-335.	0.3	0
52	Ribosomal s15: A novel therapeutic target for Parkinson's disease. Movement Disorders, 2014, 29, 990-990.	3.9	0
53	Early Behavioral Phenotypes in Mouse Models of Huntingtonâ€™s and Parkinsonâ€™s Diseases. , 2005, , 349-359.		0