Tremblay Leon

List of Publications by Year
in descending order

81 papers	9,108 citations	71102 41 h-index	60623 81 g-index
88 all docs	88 docs citations	88 times ranked	8273 citing authors

#	Article	IF	Citations
1	Limbic Serotonergic Plasticity Contributes to the Compensation of Apathy in Early Parkinson's Disease. Movement Disorders, 2022, 37, 1211-1221.	3.9	14
2	Selective serotonin reuptake inhibitor treatment retunes emotional valence in primate ventral striatum. Neuropsychopharmacology, 2021, 46, 2073-2082.	5.4	6
3	Serotonergic and Dopaminergic Lesions Underlying Parkinsonian Neuropsychiatric Signs. Movement Disorders, 2021, 36, 2888-2900.	3.9	37
4	Pain behavior without pain sensation: an epileptic syndrome of â€œsymbolism for painâ€?. Pain, 2020, 161, 502-508.	4.2	9
5	The Anterior Caudate Nucleus Supports Impulsive Choices Triggered by Pramipexole. Movement Disorders, 2020, 35, 296-305.	3.9	10
6	Ventral striatum supports Methylphenidate therapeutic effects on impulsive choices expressed in temporal discounting task. Scientific Reports, 2020, 10, 716.	3.3	20
7	Early limbic microstructural alterations in apathy and depression in de novo Parkinson's disease. Movement Disorders, 2019, 34, 1644-1654.	3.9	52
8	Local Field Potentials Reflect Dopaminergic and Non-Dopaminergic Activities within the Primate Midbrain. Neuroscience, 2019, 399, 167-183.	2.3	5
9	Disturbance of approachâ€avoidance behaviors in nonâ€human primates by stimulation of the limbic territories of basal ganglia and anterior insula. European Journal of Neuroscience, 2019, 49, 687-700.	2.6	25
10	Pathophysiology of dyskinesia and behavioral disorders in non-human primates: the role of serotonergic fibers. Journal of Neural Transmission, 2018, 125, 1145-1156.	2.8	11
11	Neural encoding of choice during a delayed response task in primate striatum and orbitofrontal cortex. Experimental Brain Research, 2018, 236, 1679-1688.	1.5	16
12	Historical crossroads in the conceptual delineation of apathy in Parkinsonâ€™s disease. Brain, 2018, 141, 613-619.	7.6	8
13	Dopamine and serotonin modulation of motor and non-motor functions of the non-human primate striato-pallidal circuits in normal and pathological states. Journal of Neural Transmission, 2018, 125, 485-500.	2.8	15
14	Diffusion tensor imaging marks dopaminergic and serotonergic lesions in the Parkinsonian monkey. Movement Disorders, 2018, 33, 298-309.	3.9	9
15	Pathophysiology of levodopa-induced dyskinesia: Insights from multimodal imaging and immunohistochemistry in non-human primates. NeuroImage, 2018, 183, 132-141.	4.2	17
16	Ventral Pallidum Encodes Contextual Information and Controls Aversive Behaviors. Cerebral Cortex, 2017, 27, bhw107.	2.9	53
17	Cortical areas involved in behavioral expression of external pallidum dysfunctions: A PET imaging study in non-human primates. NeuroImage, 2017, 146, 1025-1037.	4.2	14
18	Imaging the Etiology of Apathy, Anxiety, and Depression in Parkinsonâ€™s Disease: Implication for Treatment. Current Neurology and Neuroscience Reports, 2017, 17, 76.	4.2	79

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19	Visuomotor signals for reaching movements in the rostroâ€dorsal sector of the monkey thalamic reticular nucleus. European Journal of Neuroscience, 2017, 45, 1186-1199.	2.6	4
20	Characterization and Reliability of [18F]2FNQ1P in Cynomolgus Monkeys as a PET Radiotracer for Serotonin 5-HT6 Receptors. Frontiers in Pharmacology, 2017, 8, 471.	3.5	10
21	Roles of Multiple Globus Pallidus Territories of Monkeys and Humans in Motivation, Cognition and Action: An Anatomical, Physiological and Pathophysiological Review. Frontiers in Neuroanatomy, 2017, 11, 30.	1.7	53
22	The prominent role of serotonergic degeneration in apathy, anxiety and depression in<i>de novo</i>Parkinsonâ€™s disease. Brain, 2016, 139, 2486-2502.	7.6	188
23	Cortico-basal ganglia circuits involved in different motivation disorders in non-human primates. Brain Structure and Function, 2016, 221, 345-364.	2.3	27
24	Imaging Dopamine and Serotonin Systems on MPTP Monkeys: A Longitudinal PET Investigation of Compensatory Mechanisms. Journal of Neuroscience, 2016, 36, 1577-1589.	3.6	42
25	Social behavioral changes in MPTP-treated monkey model of Parkinson's disease. Frontiers in Behavioral Neuroscience, 2015, 9, 42.	2.0	17
26	Preclinical evaluation of [18F]2FNQ1P as the first fluorinated serotonin 5-HT6 radioligand for PET imaging. European Journal of Nuclear Medicine and Molecular Imaging, 2015, 42, 495-502.	6.4	17
27	Behavioural impact of a double dopaminergic and serotonergic lesion in the non-human primate. Brain, 2015, 138, 2632-2647.	7.6	54
28	Selective dysfunction of basal ganglia subterritories: From movement to behavioral disorders. Movement Disorders, 2015, 30, 1155-1170.	3.9	168
29	A multi-atlas based method for automated anatomical Macaca fascicularis brain MRI segmentation and PET kinetic extraction. NeuroImage, 2013, 77, 26-43.	4.2	45
30	Towards a primate model of Gilles de la Tourette syndrome: Anatomo-behavioural correlation of disorders induced by striatal dysfunction. Cortex, 2013, 49, 1126-1140.	2.4	77
31	Representation of Spatial- and Object-Specific Behavioral Goals in the Dorsal Globus Pallidus of Monkeys during Reaching Movement. Journal of Neuroscience, 2013, 33, 16360-16371.	3.6	13
32	Effects of dopamine and serotonin antagonist injections into the striatopallidal complex of asymptomatic MPTP-treated monkeys. Neurobiology of Disease, 2012, 48, 27-39.	4.4	26
33	Role of serotonergic 1A receptor dysfunction in depression associated with Parkinson's disease. Movement Disorders, 2012, 27, 84-89.	3.9	112
34	Involvement of the lateral prefrontal cortex (LPFC), dorsal premotor cortex (PMd), and primary motor cortex (MI) of macaques in action selection based on self-determined virtual action plan. Neuroscience Research, 2011, 71, e345.	1.9	0
35	Discontinuous Long-Train Stimulation in the Anterior Striatum in Monkeys Induces Abnormal Behavioral States. Cerebral Cortex, 2011, 21, 2733-2741.	2.9	15
36	Distinct structural changes underpin clinical phenotypes in patients with Gilles de la Tourette syndrome. Brain, 2010, 133, 3649-3660.	7.6	149

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37	Primate brain template image and reference atlas creation for voxel-based functional analysis of PET in Macaca fascicularis. NeuroImage, 2010, 52, S174-S175.	4.2	0
38	Non-motor dopamine withdrawal syndrome after surgery for Parkinson's disease: predictors and underlying mesolimbic denervation. Brain, 2010, 133, 1111-1127.	7.6	453
39	The ventral striatum. , 2009, , 51-77.		17
40	Behavioral and Movement Disorders Induced by Local Inhibitory Dysfunction in Primate Striatum. Cerebral Cortex, 2009, 19, 1844-1856.	2.9	139
41	Effects of dopamine depletion on reward-seeking behavior. , 2009, , 271-289.		0
42	Behavioral Recovery in MPTP-Treated Monkeys: Neurochemical Mechanisms Studied by Intrastriatal Microdialysis. Journal of Neuroscience, 2008, 28, 9575-9584.	3.6	84
43	High-Frequency Stimulation of the Anterior Subthalamic Nucleus Reduces Stereotyped Behaviors in Primates. Journal of Neuroscience, 2008, 28, 8785-8788.	3.6	74
44	A new model to study compensatory mechanisms in MPTP-treated monkeys exhibiting recovery. Brain, 2007, 130, 2898-2914.	7.6	124
45	Motor control in basal ganglia circuits using fMRI and brain atlas approaches. Cerebral Cortex, 2006, 16, 149-161.	2.9	227
46	Antisaccade Deficit after Inactivation of the Principal Sulcus in Monkeys. Cerebral Cortex, 2006, 17, 221-229.	2.9	44
47	The cerebellum communicates with the basal ganglia. Nature Neuroscience, 2005, 8, 1491-1493.	14.8	727
48	The pallidosubthalamic projection: An anatomical substrate for nonmotor functions of the subthalamic nucleus in primates. Movement Disorders, 2005, 20, 172-180.	3.9	116
49	An Effect of Dopamine Depletion on Decision-making: The Temporal Coupling of Deliberation and Execution. Journal of Cognitive Neuroscience, 2005, 17, 1886-1896.	2.3	37
50	Thalamic Neuronal Activity in Dopamine-Depleted Primates: Evidence for a Loss of Functional Segregation within Basal Ganglia Circuits. Journal of Neuroscience, 2005, 25, 1523-1531.	3.6	153
51	Behavioural disorders induced by external globus pallidus dysfunction in primates: I. Behavioural study. Brain, 2004, 127, 2039-2054.	7.6	210
52	Behavioural disorders induced by external globus pallidus dysfunction in primates II. Anatomical study. Brain, 2004, 127, 2055-2070.	7.6	171
53	Disruption of self-organized actions in monkeys with progressive MPTP-induced parkinsonism. I. Effects of task complexity. European Journal of Neuroscience, 2004, 19, 426-436.	2.6	25
54	Disruption of self-organized actions in monkeys with progressive MPTP-induced parkinsonism: II. Effects of reward preference. European Journal of Neuroscience, 2004, 19, 437-446.	2.6	27

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55	Distinct striatal regions support movement selection, preparation and execution. NeuroReport, 2004, 15, 2327-2331.	1.2	82
56	Tremor-related activity of neurons in the â€˜motorâ€™ thalamus: changes in firing rate and pattern in the MPTP vervet model of parkinsonism. European Journal of Neuroscience, 2003, 17, 2388-2400.	2.6	69
57	Quantitative analysis of dopaminergic loss in relation to functional territories in MPTP-treated monkeys. European Journal of Neuroscience, 2003, 18, 2082-2086.	2.6	41
58	Changes in behavior-related neuronal activity in the striatum during learning. Trends in Neurosciences, 2003, 26, 321-328.	8.6	210
59	Behavioral changes are not directly related to striatal monoamine levels, number of nigral neurons, or dose of parkinsonian toxin MPTP in mice. Neurobiology of Disease, 2003, 14, 218-228.	4.4	90
60	Impairment of contextâ€adapted movement selection in a primate model of presymptomatic Parkinsonâ€™s disease. Brain, 2003, 126, 1392-1408.	7.6	37
61	Neurons With Object-Centered Spatial Selectivity in Macaque SEF: Do They Represent Locations or Rules?. Journal of Neurophysiology, 2002, 87, 333-350.	1.8	45
62	Behavioral Consequences of Bicuculline Injection in the Subthalamic Nucleus and the Zona Incerta in Rat. Journal of Neuroscience, 2002, 22, 8711-8719.	3.6	74
63	Behavioral reactions reflecting differential reward expectations in monkeys. Experimental Brain Research, 2001, 140, 511-518.	1.5	108
64	Dopaminergic innervation of the pallidum in the normal state, in MPTPâ€treated monkeys and in parkinsonian patients. European Journal of Neuroscience, 2000, 12, 4525-4535.	2.6	29
65	Reward-Related Neuronal Activity During Go-Nogo Task Performance in Primate Orbitofrontal Cortex. Journal of Neurophysiology, 2000, 83, 1864-1876.	1.8	245
66	Modifications of Reward Expectation-Related Neuronal Activity During Learning in Primate Orbitofrontal Cortex. Journal of Neurophysiology, 2000, 83, 1877-1885.	1.8	144
67	Macaque Supplementary Eye Field Neurons Encode Object-Centered Locations Relative to Both Continuous and Discontinuous Objects. Journal of Neurophysiology, 2000, 83, 2392-2411.	1.8	42
68	Reward Processing in Primate Orbitofrontal Cortex and Basal Ganglia. Cerebral Cortex, 2000, 10, 272-283.	2.9	802
69	Involvement of basal ganglia and orbitofrontal cortex in goal-directed behavior. Progress in Brain Research, 2000, 126, 193-215.	1.4	195
70	Dopaminergic innervation of the pallidum in the normal state, in MPTP-treated monkeys and in parkinsonian patients. European Journal of Neuroscience, 2000, 12, 4525-4535.	2.6	10
71	Relative reward preference in primate orbitofrontal cortex. Nature, 1999, 398, 704-708.	27.8	1,198
72	Reward prediction in primate basal ganglia and frontal cortex. Neuropharmacology, 1998, 37, 421-429.	4.1	273

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73	Modifications of Reward Expectation-Related Neuronal Activity During Learning in Primate Striatum. Journal of Neurophysiology, 1998, 80, 964-977.	1.8	253
74	Influence of Reward Expectation on Behavior-Related Neuronal Activity in Primate Striatum. Journal of Neurophysiology, 1998, 80, 947-963.	1.8	345
75	Activity of pallidal neurons in the monkey during dyskinesia induced by injection of bicuculline in the external pallidum. Neuroscience, 1995, 65, 59-70.	2.3	124
76	Distinct presynaptic control of dopamine release in striosomal- and matrix-enriched areas of the rat striatum by selective agonists of NK1, NK2 and NK3 tachykinin receptors. Regulatory Peptides, 1993, 46, 124-128.	1.9	23
77	Distinct presynaptic control of dopamine release in striosomal- and matrix-enriched areas of the rat striatum by selective agonists of NK1, NK2, and NK3 tachykinin receptors.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 11214-11218.	7.1	66
78	Complementarity of the Two Pallidal Segments in the Primate. Advances in Behavioral Biology, 1991, , 73-79.	0.2	2
79	Responses of pallidal neurons to striatal stimulation in intact waking monkeys. Brain Research, 1989, 498, 1-16.	2.2	76
80	Responses of pallidal neurons to striatal stimulation in monkeys with MPTP-induced parkinsonism. Brain Research, 1989, 498, 17-33.	2.2	123
81	Abnormal influences of passive limb movement on the activity of globus pallidus neurons in parkinsonian monkeys. Brain Research, 1988, 444, 165-176.	2.2	351