

David E Vaillancourt

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/5106978/david-e-vaillancourt-publications-by-year.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

87
papers

3,022
citations

31
h-index

53
g-index

95
ext. papers

3,867
ext. citations

6.2
avg, IF

5.33
L-index

#	Paper	IF	Citations
87	Nicotine and the developing brain: Insights from preclinical models.. <i>Pharmacology Biochemistry and Behavior</i> , 2022 , 214, 173355	3.9	0
86	Development and Validation of Automated Magnetic Resonance Parkinsonism Index 2.0 to Distinguish Progressive Supranuclear Palsy-Parkinsonism From Parkinson's Disease.. <i>Movement Disorders</i> , 2022 ,	7	2
85	Advanced diffusion imaging to track progression in Parkinson's disease, multiple system atrophy, and progressive supranuclear palsy.. <i>NeuroImage: Clinical</i> , 2022 , 34, 103022	5.3	0
84	Unraveling somatotopic organization in the human brain using machine learning and adaptive supervoxel-based parcellations. <i>NeuroImage</i> , 2021 , 245, 118710	7.9	1
83	Visuomotor brain network activation and functional connectivity among individuals with autism spectrum disorder. <i>Human Brain Mapping</i> , 2021 ,	5.9	2
82	Investigating the role of striatal dopamine receptor 2 in motor coordination and balance: Insights into the pathogenesis of DYT1 dystonia. <i>Behavioural Brain Research</i> , 2021 , 403, 113137	3.4	2
81	A New MRI Measure to Early Differentiate Progressive Supranuclear Palsy From De Novo Parkinson's Disease in Clinical Practice: An International Study. <i>Movement Disorders</i> , 2021 , 36, 681-689	7	11
80	Functional imaging of the brainstem during visually-guided motor control reveals visuomotor regions in the pons and midbrain. <i>NeuroImage</i> , 2021 , 226, 117627	7.9	0
79	Alteration of the cholinergic system and motor deficits in cholinergic neuron-specific Dyt1 knockout mice. <i>Neurobiology of Disease</i> , 2021 , 154, 105342	7.5	3
78	Emerging Neuroimaging Biomarkers Across Disease Stage in Parkinson Disease: A Review. <i>JAMA Neurology</i> , 2021 , 78, 1262-1272	17.2	10
77	The HIV protease inhibitor, ritonavir, corrects diverse brain phenotypes across development in mouse model of DYT-TOR1A dystonia. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	3
76	Reply to: "Experience with a New Index to Differentiate Parkinson's Disease and Progressive Supranuclear Palsy". <i>Movement Disorders</i> , 2021 , 36, 2208-2209	7	
75	Quantitative Separation of Tremor and Ataxia in Essential Tremor. <i>Annals of Neurology</i> , 2020 , 88, 375-387	7.4	6
74	Automated MRI Classification in Progressive Supranuclear Palsy: A Large International Cohort Study. <i>Movement Disorders</i> , 2020 , 35, 976-983	7	20
73	Magnetic Resonance Imaging and Neurofilament Light in the Differentiation of Parkinsonism. <i>Movement Disorders</i> , 2020 , 35, 1388-1395	7	8
72	Diffusion magnetic resonance imaging-derived free water detects neurodegenerative pattern induced by interferon- β . <i>Brain Structure and Function</i> , 2020 , 225, 427-439	4	8
71	The abnormal firing of Purkinje cells in the knockin mouse model of DYT1 dystonia. <i>Brain Research Bulletin</i> , 2020 , 165, 14-22	3.9	2

70	Cortical Oscillations in Cervical Dystonia and Dystonic Tremor. <i>Cerebral Cortex Communications</i> , 2020 , 1, tga048	1.9	1
69	βSynuclein Induces Progressive Changes in Brain Microstructure and Sensory-Evoked Brain Function That Precedes Locomotor Decline. <i>Journal of Neuroscience</i> , 2020 , 40, 6649-6659	6.6	6
68	Parkinson's disease progression in the substantia nigra: location, location, location. <i>Brain</i> , 2020 , 143, 2628-2630	11.2	0
67	Decreased number of striatal cholinergic interneurons and motor deficits in dopamine receptor 2-expressing-cell-specific Dyt1 conditional knockout mice. <i>Neurobiology of Disease</i> , 2020 , 134, 104638	7.5	10
66	Free-water imaging of the hippocampus is a sensitive marker of Alzheimer's disease. <i>NeuroImage: Clinical</i> , 2019 , 24, 101985	5.3	13
65	Development and Validation of the Automated Imaging Differentiation in Parkinsonism (AID-P): A Multi-Site Machine Learning Study. <i>The Lancet Digital Health</i> , 2019 , 1, e222-e231	14.4	27
64	Better Brain and Cognition Prior to Surgery Is Associated With Elevated Postoperative Brain Extracellular Free-Water in Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2019 , 11, 117	5.3	4
63	Network-level connectivity is a critical feature distinguishing dystonic tremor and essential tremor. <i>Brain</i> , 2019 , 142, 1644-1659	11.2	38
62	Neurite orientation dispersion and density imaging (NODDI) and free-water imaging in Parkinsonism. <i>Human Brain Mapping</i> , 2019 , 40, 5094-5107	5.9	30
61	Cortical and subcortical alterations associated with precision visuomotor behavior in individuals with autism spectrum disorder. <i>Journal of Neurophysiology</i> , 2019 , 122, 1330-1341	3.2	10
60	Development of a transcallosal tractography template and its application to dementia. <i>NeuroImage</i> , 2019 , 200, 302-312	7.9	10
59	Reply: Thalamotomy for tremor normalizes aberrant pre-therapeutic visual cortex functional connectivity. <i>Brain</i> , 2019 , 142, e58	11.2	1
58	Neurite orientation dispersion and density imaging reveals white matter and hippocampal microstructure changes produced by Interleukin-6 in the TgCRND8 mouse model of amyloidosis. <i>NeuroImage</i> , 2019 , 202, 116138	7.9	19
57	Multimodal dopaminergic and free-water imaging in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2019 , 62, 10-15	3.6	24
56	Cortical dynamics within and between parietal and motor cortex in essential tremor. <i>Movement Disorders</i> , 2019 , 34, 95-104	7	11
55	Reply: Visually-sensitive networks in essential tremor: evidence from structural and functional imaging. <i>Brain</i> , 2018 , 141, e48	11.2	3
54	Genetic markers of dopaminergic transmission predict performance for older males but not females. <i>Neurobiology of Aging</i> , 2018 , 66, 180.e11-180.e21	5.6	11
53	Multimodal neuroimaging and behavioral assessment of βSynuclein polymorphism rs356219 in older adults. <i>Neurobiology of Aging</i> , 2018 , 66, 32-39	5.6	5

52	Physiological effects of subthalamic nucleus deep brain stimulation surgery in cervical dystonia. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2018 , 89, 1296-1300	5.5	4
51	A widespread visually-sensitive functional network relates to symptoms in essential tremor. <i>Brain</i> , 2018 , 141, 472-485	11.2	40
50	A Template and Probabilistic Atlas of the Human Sensorimotor Tracts using Diffusion MRI. <i>Cerebral Cortex</i> , 2018 , 28, 1685-1699	5.1	61
49	Finding useful biomarkers for Parkinson's disease. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	69
48	The Future of Brain Imaging in Parkinson's Disease. <i>Journal of Parkinsons Disease</i> , 2018 , 8, S47-S51	5.3	18
47	Longitudinal Progression Markers of Parkinson's Disease: Current View on Structural Imaging. <i>Current Neurology and Neuroscience Reports</i> , 2018 , 18, 83	6.6	10
46	Imaging of Motor Cortex Physiology in Parkinson's Disease. <i>Movement Disorders</i> , 2018 , 33, 1688-1699	7	33
45	Beta-band oscillations in the supplementary motor cortex are modulated by levodopa and associated with functional activity in the basal ganglia. <i>NeuroImage: Clinical</i> , 2018 , 19, 559-571	5.3	20
44	Parkinson's disease diffusion MRI is not affected by acute antiparkinsonian medication. <i>NeuroImage: Clinical</i> , 2017 , 14, 417-421	5.3	19
43	Depressive Symptoms are Frequent in Atypical Parkinsonian Disorders. <i>Movement Disorders Clinical Practice</i> , 2017 , 4, 191-197	2.2	17
42	Functional activity of the sensorimotor cortex and cerebellum relates to cervical dystonia symptoms. <i>Human Brain Mapping</i> , 2017 , 38, 4563-4573	5.9	29
41	The role of high-field magnetic resonance imaging in parkinsonian disorders: Pushing the boundaries forward. <i>Movement Disorders</i> , 2017 , 32, 510-525	7	65
40	Progression marker of Parkinson's disease: a 4-year multi-site imaging study. <i>Brain</i> , 2017 , 140, 2183-2192	11.2	80
39	The ice test to differentiate essential tremor from Parkinson's disease tremor. <i>Clinical Neurophysiology</i> , 2017 , 128, 2181-2183	4.3	1
38	Free water improves detection of changes in the substantia nigra in parkinsonism: A multisite study. <i>Movement Disorders</i> , 2017 , 32, 1457-1464	7	34
37	Forebrain knock-out of torsinA reduces striatal free-water and impairs whole-brain functional connectivity in a symptomatic mouse model of DYT1 dystonia. <i>Neurobiology of Disease</i> , 2017 , 106, 124-132	7.5	9
36	Parkinson's disease biomarkers: perspective from the NINDS Parkinson's Disease Biomarkers Program. <i>Biomarkers in Medicine</i> , 2017 , 11, 451-473	2.3	33
35	Beta-band activity and connectivity in sensorimotor and parietal cortex are important for accurate motor performance. <i>NeuroImage</i> , 2017 , 144, 164-173	7.9	52

34	Sensory and motor cortex function contributes to symptom severity in spinocerebellar ataxia type 6. <i>Brain Structure and Function</i> , 2017 , 222, 1039-1052	4	5
33	The effects of unilateral versus bilateral subthalamic nucleus deep brain stimulation on prosaccades and antisaccades in Parkinson's disease. <i>Experimental Brain Research</i> , 2017 , 235, 615-626	2.3	15
32	Repetitive Transcranial Magnetic Stimulation (rTMS) Therapy in Parkinson Disease: A Meta-Analysis. <i>PM and R</i> , 2016 , 8, 356-366	2.2	37
31	Parkinson's disease biomarkers program brain imaging repository. <i>NeuroImage</i> , 2016 , 124, 1120-1124	7.9	8
30	Progressive resistance exercise restores some properties of the triphasic EMG pattern and improves bradykinesia: the PRET-PD randomized clinical trial. <i>Journal of Neurophysiology</i> , 2016 , 116, 2298-2311	3.2	26
29	Functional MRI of disease progression in Parkinson disease and atypical parkinsonian syndromes. <i>Neurology</i> , 2016 , 87, 709-17	6.5	28
28	Aducanumab reduces A β plaques in Alzheimer's disease. <i>Movement Disorders</i> , 2016 , 31, 1631	7	3
27	Free-water and BOLD imaging changes in Parkinson's disease patients chronically treated with a MAO-B inhibitor. <i>Human Brain Mapping</i> , 2016 , 37, 2894-903	5.9	19
26	Free-water imaging in Parkinson's disease and atypical parkinsonism. <i>Brain</i> , 2016 , 139, 495-508	11.2	115
25	The NINDS Parkinson's disease biomarkers program. <i>Movement Disorders</i> , 2016 , 31, 915-23	7	56
24	Subliminal gait initiation deficits in rapid eye movement sleep behavior disorder: A harbinger of freezing of gait?. <i>Movement Disorders</i> , 2016 , 31, 1711-1719	7	28
23	A Nonlinear Regression Technique for Manifold Valued Data with Applications to Medical Image Analysis 2016 ,		21
22	In vivo imaging reveals impaired connectivity across cortical and subcortical networks in a mouse model of DYT1 dystonia. <i>Neurobiology of Disease</i> , 2016 , 95, 35-45	7.5	20
21	Knowledge gaps and research recommendations for essential tremor. <i>Parkinsonism and Related Disorders</i> , 2016 , 33, 27-35	3.6	33
20	3D Cortical electrophysiology of ballistic upper limb movement in humans. <i>NeuroImage</i> , 2015 , 115, 30-47	7.9	25
19	Functional Brain Activity Relates to 0-3 and 3-8 Hz Force Oscillations in Essential Tremor. <i>Cerebral Cortex</i> , 2015 , 25, 4191-202	5.1	54
18	Subthalamic nucleus--sensorimotor cortex functional connectivity in de novo and moderate Parkinson's disease. <i>Neurobiology of Aging</i> , 2015 , 36, 462-9	5.6	34
17	Exercise improves cognition in Parkinson's disease: The PRET-PD randomized, clinical trial. <i>Movement Disorders</i> , 2015 , 30, 1657-63	7	107

16	Distinct patterns of brain activity in progressive supranuclear palsy and Parkinson's disease. <i>Movement Disorders</i> , 2015 , 30, 1248-58	7	34
15	Longitudinal changes in free-water within the substantia nigra of Parkinson's disease. <i>Brain</i> , 2015 , 138, 2322-31	11.2	114
14	Discriminating features of gait performance in progressive supranuclear palsy. <i>Parkinsonism and Related Disorders</i> , 2015 , 21, 888-93	3.6	13
13	Increased free water in the substantia nigra of Parkinson's disease: a single-site and multi-site study. <i>Neurobiology of Aging</i> , 2015 , 36, 1097-104	5.6	86
12	Feedforward and feedback motor control abnormalities implicate cerebellar dysfunctions in autism spectrum disorder. <i>Journal of Neuroscience</i> , 2015 , 35, 2015-25	6.6	77
11	Individuals with autism spectrum disorder show abnormalities during initial and subsequent phases of precision gripping. <i>Journal of Neurophysiology</i> , 2015 , 113, 1989-2001	3.2	48
10	Nonlinear regression on Riemannian manifolds and its applications to Neuro-image analysis. <i>Lecture Notes in Computer Science</i> , 2015 , 9349, 719-727	0.9	10
9	Dopamine overdose hypothesis: evidence and clinical implications. <i>Movement Disorders</i> , 2013 , 28, 1920-9		98
8	Selective regions of the visuomotor system are related to gain-induced changes in force error. <i>Journal of Neurophysiology</i> , 2010 , 103, 2114-23	3.2	60
7	Effects of visual and auditory feedback on sensorimotor circuits in the basal ganglia. <i>Journal of Neurophysiology</i> , 2008 , 99, 3042-51	3.2	33
6	Visual angle is the critical variable mediating gain-related effects in manual control. <i>Experimental Brain Research</i> , 2006 , 173, 742-50	2.3	68
5	Intermittent visuomotor processing in the human cerebellum, parietal cortex, and premotor cortex. <i>Journal of Neurophysiology</i> , 2006 , 95, 922-31	3.2	79
4	Changing complexity in human behavior and physiology through aging and disease. <i>Neurobiology of Aging</i> , 2002 , 23, 1-11	5.6	353
3	Intermittency in the visual control of force in Parkinson's disease. <i>Experimental Brain Research</i> , 2001 , 138, 118-27	2.3	73
2	Regularity of force tremor in Parkinson's disease. <i>Clinical Neurophysiology</i> , 2001 , 112, 1594-603	4.3	86
1	Intermittency in the control of continuous force production. <i>Journal of Neurophysiology</i> , 2000 , 84, 1708-18	3.8	256