

# Arnaud Delval

## List of Publications by Year in descending order

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Version: 2024-02-01

96  
papers

3,181  
citations

126907

33  
h-index

182427

51  
g-index

112  
all docs

112  
docs citations

112  
times ranked

4279  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of genetic variants associated with Huntington's disease progression: a genome-wide association study. <i>Lancet Neurology</i> , The, 2017, 16, 701-711.	10.2	248
2	Prevalence, Determinants, and Effect on Quality of Life of Freezing of Gait in Parkinson Disease. <i>JAMA Neurology</i> , 2014, 71, 884.	9.0	241
3	The interaction between cognition and motor control: A theoretical framework for dual-task interference effects on posture, gait initiation, gait and turning. <i>Neurophysiologie Clinique</i> , 2018, 48, 361-375.	2.2	170
4	Methylphenidate for gait hypokinesia and freezing in patients with Parkinson's disease undergoing subthalamic stimulation: a multicentre, parallel, randomised, placebo-controlled trial. <i>Lancet Neurology</i> , The, 2012, 11, 589-596.	10.2	150
5	Functional connectivity disruptions correlate with cognitive phenotypes in Parkinson's disease. <i>NeuroImage: Clinical</i> , 2017, 14, 591-601.	2.7	87
6	Walking patterns in Parkinson's disease with and without freezing of gait. <i>Neuroscience</i> , 2011, 182, 217-224.	2.3	84
7	Objective detection of subtle freezing of gait episodes in Parkinson's disease. <i>Movement Disorders</i> , 2010, 25, 1684-1693.	3.9	79
8	The laser shoes. <i>Neurology</i> , 2018, 90, e164-e171.	1.1	77
9	Recommendations for the use of electroencephalography and evoked potentials in comatose patients. <i>Neurophysiologie Clinique</i> , 2018, 48, 143-169.	2.2	74
10	Identifying freezing of gait in Parkinson's disease during freezing provoking tasks using waist-mounted accelerometry. <i>Parkinsonism and Related Disorders</i> , 2015, 21, 1362-1366.	2.2	70
11	Auditory cueing of gait initiation in Parkinson's disease patients with freezing of gait. <i>Clinical Neurophysiology</i> , 2014, 125, 1675-1681.	1.5	68
12	Why we should study gait initiation in Parkinson's disease. <i>Neurophysiologie Clinique</i> , 2014, 44, 69-76.	2.2	65
13	Association between caffeine intake and age at onset in Huntington's disease. <i>Neurobiology of Disease</i> , 2013, 58, 179-182.	4.4	63
14	Brain metabolic abnormalities during gait with freezing in Parkinson's disease. <i>Neuroscience</i> , 2015, 307, 281-301.	2.3	59
15	Memantine for axial signs in Parkinson's disease: a randomised, double-blind, placebo-controlled pilot study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2013, 84, 552-555.	1.9	55
16	Falls in ambulatory non-demented patients with Parkinson's disease. <i>Journal of Neural Transmission</i> , 2015, 122, 1447-1455.	2.8	55
17	Reduced levodopa-induced complications after 5 years of subthalamic stimulation in Parkinson's disease: a second honeymoon. <i>Journal of Neurology</i> , 2009, 256, 1736-1741.	3.6	54
18	Role of hypokinesia and bradykinesia in gait disturbances in Huntington's disease. <i>Journal of Neurology</i> , 2006, 253, 73-80.	3.6	53

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19	Role of attentional resources on gait performance in Huntington's disease. <i>Movement Disorders</i> , 2008, 23, 684-689.	3.9	53
20	A biomechanical study of gait initiation in Huntington's disease. <i>Gait and Posture</i> , 2007, 25, 279-288.	1.4	52
21	Polymorphism of the dopamine transporter type 1 gene modifies the treatment response in Parkinson's disease. <i>Brain</i> , 2015, 138, 1271-1283.	7.6	51
22	Electroencephalography-based machine learning for cognitive profiling in Parkinson's disease: Preliminary results. <i>Movement Disorders</i> , 2019, 34, 210-217.	3.9	49
23	Split-belt locomotion in Parkinson's disease with and without freezing of gait. <i>Neuroscience</i> , 2013, 236, 110-116.	2.3	48
24	The pattern of attentional deficits in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2013, 19, 300-305.	2.2	47
25	External Globus Pallidus Stimulation Modulates Brain Connectivity in Huntington's Disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 41-46.	4.3	45
26	L-DOPA-induced dyskinesias, motor fluctuations and health-related quality of life: the COPARK survey. <i>European Journal of Neurology</i> , 2017, 24, 1532-1538.	3.3	43
27	Effect of external cueing on gait in Huntington's disease. <i>Movement Disorders</i> , 2008, 23, 1446-1452.	3.9	40
28	Methylphenidate. <i>CNS Drugs</i> , 2013, 27, 1-14.	5.9	40
29	Brain imaging of locomotion in neurological conditions. <i>Neurophysiologie Clinique</i> , 2018, 48, 337-359.	2.2	40
30	Kinematic angular parameters in PD: Reliability of joint angle curves and comparison with healthy subjects. <i>Gait and Posture</i> , 2008, 28, 495-501.	1.4	38
31	Anticipatory postural adjustments during step initiation: Elicitation by auditory stimulation of differing intensities. <i>Neuroscience</i> , 2012, 219, 166-174.	2.3	37
32	Hypometabolism in Posterior and Temporal Areas of the Brain is Associated with Cognitive Decline in Parkinson's Disease. <i>Journal of Parkinson's Disease</i> , 2015, 5, 569-574.	2.8	37
33	Attention modulates step initiation postural adjustments in Parkinson freezers. <i>Parkinsonism and Related Disorders</i> , 2014, 20, 284-289.	2.2	35
34	The possible price of auditory cueing: Influence on obstacle avoidance in Parkinson's disease. <i>Movement Disorders</i> , 2012, 27, 574-578.	3.9	30
35	Freezing/festination during motor tasks in early-stage Parkinson's disease: A prospective study. <i>Movement Disorders</i> , 2016, 31, 1837-1845.	3.9	30
36	Can dual-task paradigms predict Falls better than single task? " A systematic literature review. <i>Neurophysiologie Clinique</i> , 2020, 50, 401-440.	2.2	30

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37	Specific Attentional Disorders and Freezing of Gait in Parkinson's Disease. <i>Journal of Parkinson's Disease</i> , 2015, 5, 379-387.	2.8	26
38	Recurrent unexplained syncope may have a cerebral origin: Report of 10 cases of arrhythmogenic epilepsy. <i>Archives of Cardiovascular Diseases</i> , 2009, 102, 397-407.	1.6	25
39	Gait and attentional performance in freezers under methylphenidate. <i>Gait and Posture</i> , 2015, 41, 384-388.	1.4	24
40	Single session intermittent theta-burst stimulation on the left premotor cortex does not alleviate freezing of gait in Parkinson's disease. <i>Neuroscience Letters</i> , 2016, 628, 1-9.	2.1	21
41	Are gait initiation parameters early markers of Huntington's disease in pre-manifest mutation carriers?. <i>Gait and Posture</i> , 2011, 34, 202-207.	1.4	18
42	Movement-related cortical activation in familial Parkinson disease. <i>Neurology</i> , 2006, 67, 1086-1087.	1.1	17
43	Quantitative approach to early neonatal EEG visual analysis in hypoxic-ischemic encephalopathy severity: Bridging the gap between eyes and machine. <i>Neurophysiologie Clinique</i> , 2021, 51, 121-131.	2.2	17
44	Freezing during tapping tasks in patients with advanced Parkinson's disease and freezing of gait. <i>PLoS ONE</i> , 2017, 12, e0181973.	2.5	17
45	Motor Preparation of Step Initiation: Error-related Cortical Oscillations. <i>Neuroscience</i> , 2018, 393, 12-23.	2.3	16
46	Human Fetal Cell Therapy in Huntington's Disease: A Randomized, Multicenter, Phase II Trial. <i>Movement Disorders</i> , 2020, 35, 1323-1335.	3.9	16
47	Postural instability in Parkinson's disease: Review and bottom-up rehabilitative approaches. <i>Neurophysiologie Clinique</i> , 2020, 50, 479-487.	2.2	16
48	Stimulus-driven attention modulates the release of anticipatory postural adjustments during step initiation. <i>Neuroscience</i> , 2013, 247, 25-34.	2.3	15
49	Interest of active posturography to detect age-related and early Parkinson's disease-related impairments in mediolateral postural control. <i>Journal of Neurophysiology</i> , 2014, 112, 2638-2646.	1.8	15
50	Self-perceived and actual ability in the functional reach test in patients with Parkinson's disease. <i>Neuroscience Letters</i> , 2015, 589, 181-184.	2.1	15
51	Cortical Oscillations during Gait: Wouldn't Walking Be So Automatic?. <i>Brain Sciences</i> , 2020, 10, 90.	2.3	15
52	Are Upper-Body Axial Symptoms a Feature of Early Parkinson's Disease?. <i>PLoS ONE</i> , 2016, 11, e0162904.	2.5	15
53	Characterization and quantification of freezing of gait in Parkinson's disease: Can detection algorithms replace clinical expert opinion?. <i>Neurophysiologie Clinique</i> , 2015, 45, 305-313.	2.2	14
54	Attention modulation during motor preparation in Parkinsonian freezers: A time-frequency EEG study. <i>Clinical Neurophysiology</i> , 2016, 127, 3506-3515.	1.5	14

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55	Gait abnormalities induced by acquired bilateral pallidal lesions. <i>Journal of Neurology</i> , 2006, 253, 594-600.	3.6	13
56	Relapsing sensorimotor neuropathy with ophthalmoplegia, antidiarrhoeal antibodies, and extramembranous glomerulonephritis. <i>Muscle and Nerve</i> , 2006, 33, 274-277.	2.2	13
57	Levodopa has primarily negative influences on postural control in patients with Parkinson's disease. <i>Behavioural Brain Research</i> , 2017, 331, 67-75.	2.2	12
58	How does visuospatial attention modulate motor preparation during gait initiation?. <i>Experimental Brain Research</i> , 2016, 234, 39-50.	1.5	11
59	Utilization Patterns of Amantadine in Parkinson's Disease Patients Enrolled in the French COPARK Study. <i>Drugs and Aging</i> , 2020, 37, 215-223.	2.7	11
60	Initial center of pressure position prior to anticipatory postural adjustments during gait initiation in people with Parkinson's disease with freezing of gait. <i>Parkinsonism and Related Disorders</i> , 2021, 84, 8-14.	2.2	11
61	Biomechanical mechanisms and centre of pressure trajectory during planned gait termination. <i>Neurophysiologie Clinique</i> , 2014, 44, 227-233.	2.2	10
62	Anti-pan-neurofascin IgM in COVID-19-related Guillain-Barré syndrome: Evidence for a nodo-paranodopathy. <i>Neurophysiologie Clinique</i> , 2020, 50, 397-399.	2.2	10
63	Neurophysiological findings and their prognostic value in critical COVID-19 patients: An observational study. <i>Clinical Neurophysiology</i> , 2021, 132, 1009-1017.	1.5	9
64	Effect of bilateral subthalamic nucleus deep brain stimulation on postural adjustments during arm movement. <i>Clinical Neurophysiology</i> , 2011, 122, 2032-2035.	1.5	8
65	Predictive Factors for Improvement of Gait by Low-Frequency Stimulation in Parkinson's Disease. <i>Journal of Parkinson's Disease</i> , 2014, 4, 413-420.	2.8	8
66	Anxiety in Parkinson's disease: A resting-state high density EEG study. <i>Neurophysiologie Clinique</i> , 2022, 52, 202-211.	2.2	8
67	Somatosensory evoked potentials in the assessment of peripheral neuropathies: Commented results of a survey among French-speaking practitioners and recommendations for practice. <i>Neurophysiologie Clinique</i> , 2015, 45, 131-142.	2.2	7
68	Parkinson's Disease-Related Impairments in Body Movement, Coordination and Postural Control Mechanisms When Performing $80^\circ$ Lateral Gaze Shifts. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2015, 23, 849-856.	4.9	7
69	Effects of Stimulus-Driven and Goal-Directed Attention on Prepulse Inhibition of Brain Oscillations. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 390.	2.0	7
70	Parietomotor connectivity in the contralesional hemisphere after stroke: A paired-pulse TMS study. <i>Clinical Neurophysiology</i> , 2017, 128, 707-715.	1.5	7
71	A new paradigm to study the influence of attentional load on cortical activity for motor preparation of step initiation. <i>Experimental Brain Research</i> , 2020, 238, 643-656.	1.5	7
72	Do kinematic gait parameters help to discriminate between fallers and non-fallers with Parkinson's disease?. <i>Clinical Neurophysiology</i> , 2021, 132, 536-541.	1.5	7

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73	Visual cueing using laser shoes reduces freezing of gait in Parkinson's patients at home. <i>Movement Disorders</i> , 2018, 33, 1664-1665.	3.9	6
74	Contribution of transcranial magnetic stimulation in assessing parietofrontal connectivity during gesture production in healthy individuals and brain-injured patients. <i>Neurophysiologie Clinique</i> , 2019, 49, 115-123.	2.2	6
75	EEG-based functional connectivity and executive control in patients with Parkinson's disease and freezing of gait. <i>Clinical Neurophysiology</i> , 2022, 137, 207-215.	1.5	6
76	Influence of Motor Deficiency and Spatial Neglect on the Contralateral Posterior Parietal Cortex Functional and Structural Connectivity in Stroke Patients. <i>Brain Topography</i> , 2020, 33, 176-190.	1.8	5
77	Freezing of Gait. , 2010, , 486-491.		4
78	Recurrent multiple cranial nerve palsy and anti- $\alpha$ -GD1a antibodies. <i>Muscle and Nerve</i> , 2011, 43, 447-448.	2.2	4
79	Impulse Control Disorders in Parkinson's Disease are Associated with Alterations in Reward-Related Cortical Oscillations. <i>Journal of Parkinson's Disease</i> , 2016, 6, 651-666.	2.8	4
80	Influence of repetitive transcranial magnetic stimulation on tibialis anterior activity during walking in humans. <i>Neuroscience Letters</i> , 2016, 616, 49-56.	2.1	4
81	Assessing the upper motor neuron in amyotrophic lateral sclerosis using the triple stimulation technique: A multicenter prospective study. <i>Clinical Neurophysiology</i> , 2021, 132, 2551-2557.	1.5	4
82	Repetitive transcranial magnetic stimulation for patients with functional paralysis: a randomized controlled study. <i>European Journal of Neurology</i> , 2022, , .	3.3	4
83	Excessive buccal saliva in patients with Parkinson's disease of the French COPARK cohort. <i>Journal of Neural Transmission</i> , 2020, 127, 1607-1617.	2.8	3
84	Parkinson's disease-related changes in the behavioural synergy between eye movements and postural movements. <i>European Journal of Neuroscience</i> , 2021, 54, 5161-5172.	2.6	3
85	Role of the peripheral nervous system for an appropriate postural preparation during gait initiation in patients with a chronic inflammatory demyelinating polyneuropathy: A pilot study. <i>Gait and Posture</i> , 2021, 90, 29-35.	1.4	3
86	Does overestimation of an object's mass during arm-raising modify postural adjustments?. <i>Neuroscience Letters</i> , 2014, 578, 12-16.	2.1	2
87	Factors impacting performance on the 6-minute walk test by people with late-onset Pompe disease. <i>Muscle and Nerve</i> , 2022, 65, 693-697.	2.2	2
88	Use of a high-fidelity patient simulator for training 200 medical students in seizure management: A pilot study at the PRESAGE simulation center in Lille. <i>Revue Neurologique</i> , 2018, 174, 68-70.	1.5	1
89	New insight into Parkinson's disease-related impairment of the automatic control of upright stance. <i>European Journal of Neuroscience</i> , 2020, 52, 4851-4862.	2.6	1
90	Neurophysiological recordings improve the accuracy of the evaluation of the outcome in perinatal hypoxic ischemic encephalopathy. <i>European Journal of Paediatric Neurology</i> , 2022, 36, 51-56.	1.6	1

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91	Functional networks underlying freezing of gait: a resting-state electroencephalographic study. <i>Neurophysiologie Clinique</i> , 2022, , .	2.2	1
92	HÃ©michorÃ©e-hÃ©mibalisme et hyperglycÃ©mie sans cÃ©tose. <i>Pratique Neurologique - FMC</i> , 2010, 1, 240-246.	0.1	0
93	Un soldat de la garde impÃ©riale. <i>Pratique Neurologique - FMC</i> , 2014, 5, 247-248.	0.1	0
94	Editorial. <i>Neurophysiologie Clinique</i> , 2014, 44, 1.	2.2	0
95	New insights into posture and locomotion. <i>Neurophysiologie Clinique</i> , 2015, 45, 239.	2.2	0
96	Optimization of postural control in precise gaze shifts and laser pointing. <i>Human Movement Science</i> , 2021, 79, 102853.	1.4	0