Ioannis U Isaias

List of Publications by Year
in descending order

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102 papers	4,778 citations	81900 39 h-index	106344 65 g-index
105 all docs	105 docs citations	105 times ranked	5290 citing authors

#	Article	IF	Citations
1	Duodenal levodopa infusion for advanced Parkinson's disease: 12â€month treatment outcome. Movement Disorders, 2007, 22, 1145-1149.	3.9	241
2	Outcome predictors of pallidal stimulation in patients with primary dystonia: the role of disease duration. Brain, 2008, 131, 1895-1902.	7.6	240
3	Parkinson's disease tremor-related metabolic network: Characterization, progression, and treatment effects. NeuroImage, 2011, 54, 1244-1253.	4.2	216
4	Deep Brain Stimulation for Primary Generalized Dystonia. Archives of Neurology, 2009, 66, 465-70.	4.5	180
5	Parkinsonâ€™s disease in GTP cyclohydrolase 1 mutation carriers. Brain, 2014, 137, 2480-2492.	7.6	169
6	Neuromelanin detection by magnetic resonance imaging (MRI) and its promise as a biomarker for Parkinsonâ€™s disease. Npj Parkinson's Disease, 2018, 4, 11.	5.3	169
7	Neuromelanin Imaging and Dopaminergic Loss in Parkinson's Disease. Frontiers in Aging Neuroscience, 2016, 8, 196.	3.4	146
8	The relationship between impulsivity and impulse control disorders in Parkinson's disease. Movement Disorders, 2008, 23, 411-415.	3.9	131
9	Functional Abnormalities Underlying Pathological Gambling in Parkinson Disease. Archives of Neurology, 2008, 65, 1604-11.	4.5	127
10	Progressive gait ataxia following deep brain stimulation for essential tremor: adverse effect or lack of efficacy?. Brain, 2016, 139, 2948-2956.	7.6	119
11	A 5-year prospective assessment of advanced Parkinson disease patients treated with subcutaneous apomorphine infusion or deep brain stimulation. Journal of Neurology, 2011, 258, 579-585.	3.6	113
12	LRRK2 G2019S mutation and Parkinson's disease: A clinical, neuropsychological and neuropsychiatric study in a large Italian sample. Parkinsonism and Related Disorders, 2006, 12, 410-419.	2.2	106
13	Safety of MRI in patients with implanted deep brain stimulation devices. NeuroImage, 2009, 47, T53-T57.	4.2	106
14	Probabilistic mapping of the antidystonic effect of pallidal neurostimulation: a multicentre imaging study. Brain, 2019, 142, 1386-1398.	7.6	105
15	Factors predicting protracted improvement after pallidal DBS for primary dystonia: the role of age and disease duration. Journal of Neurology, 2011, 258, 1469-1476.	3.6	101
16	Freezing of gait in Parkinsonâ€™s disease reflects a sudden derangement of locomotor network dynamics. Brain, 2019, 142, 2037-2050.	7.6	96
17	Duodenal Levodopa Infusion Improves Quality of Life in Advanced Parkinsonâ€™s Disease. Neurodegenerative Diseases, 2008, 5, 244-246.	1.4	93
18	Swallowing disturbances in Parkinson's disease: A multivariate analysis of contributing factors. Parkinsonism and Related Disorders, 2014, 20, 1382-1387.	2.2	93

#	Article	IF	Citations
19	Imaging essential tremor. Movement Disorders, 2010, 25, 679-686.	3.9	80
20	Mucuna pruriens in Parkinson disease. Neurology, 2017, 89, 432-438.	1.1	79
21	Monoamine transporter availability in Parkinsonâ€™s disease patients with or without depression. European Journal of Nuclear Medicine and Molecular Imaging, 2009, 36, 428-435.	6.4	72
22	Striatal dopamine transporter abnormalities in patients with essential tremor. Nuclear Medicine Communications, 2008, 29, 349-353.	1.1	69
23	Pallidal Deep Brain Stimulation for Primary Dystonia in Children. Neurosurgery, 2011, 68, 738-743.	1.1	62
24	Brain networks underlining verbal fluency decline during STN-DBS in Parkinson's disease: An ECD-SPECT study. Parkinsonism and Related Disorders, 2007, 13, 290-294.	2.2	61
25	[123I]FP-CIT striatal binding in early Parkinson's disease patients with tremor vs. akinetic-rigid onset. NeuroReport, 2007, 18, 1499-1502.	1.2	59
26	Towards adaptive deep brain stimulation: clinical and technical notes on a novel commercial device for chronic brain sensing. Journal of Neural Engineering, 2021, 18, 042002.	3.5	56
27	Parkinson's disease beyond 20â€...years. Journal of Neurology, Neurosurgery and Psychiatry, 2015, 86, 849-855.	1.9	55
28	Loss of thalamic serotonin transporters in early drug-naÃ¯ve Parkinsonâ€™s disease patients is associated with tremor: an [123I]Î²-CIT SPECT study. Journal of Neural Transmission, 2008, 115, 721-729.	2.8	53
29	Artistic productivity and creative thinking in Parkinsonâ€™s disease. European Journal of Neurology, 2012, 19, 468-472.	3.3	53
30	Dementia in Parkinson's disease: Is male gender a risk factor?. Parkinsonism and Related Disorders, 2016, 26, 67-72.	2.2	52
31	A role for locus coeruleus in Parkinson tremor. Frontiers in Human Neuroscience, 2011, 5, 179.	2.0	51
32	Deep brain stimulation: a review of the open neural engineering challenges. Journal of Neural Engineering, 2020, 17, 051002.	3.5	50
33	Beta Oscillatory Changes and Retention of Motor Skills during Practice in Healthy Subjects and in Patients with Parkinson's Disease. Frontiers in Human Neuroscience, 2017, 11, 104.	2.0	49
34	[¹²³I]FPâ€CIT SPET imaging in drugâ€induced Parkinsonism. Movement Disorders, 2008, 23, 1825-1829.	3.9	47
35	Enhanced catecholamine transporter binding in the locus coeruleus of patients with early Parkinson disease. BMC Neurology, 2011, 11, 88.	1.8	46
36	Striatal Dopaminergic Innervation Regulates Subthalamic Beta-Oscillations and Cortical-Subcortical Coupling during Movements: Preliminary Evidence in Subjects with Parkinsonâ€™s Disease. Frontiers in Human Neuroscience, 2016, 10, 611.	2.0	45

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37	Mucuna pruriens for Parkinson's disease: Low-cost preparation method, laboratory measures and pharmacokinetics profile. Journal of the Neurological Sciences, 2016, 365, 175-180.	0.6	44
38	The sensitivity of ECG contamination to surgical implantation site in brain computer interfaces. Brain Stimulation, 2021, 14, 1301-1306.	1.6	43
39	Parkin analysis in early onset Parkinson's disease. Parkinsonism and Related Disorders, 2008, 14, 326-333.	2.2	42
40	Gait-related frequency modulation of beta oscillatory activity in the subthalamic nucleus of parkinsonian patients. Brain Stimulation, 2020, 13, 1743-1752.	1.6	42
41	Striatal dopamine transporter binding in Parkinson's disease associated with theLRRK2 Gly2019Ser mutation. Movement Disorders, 2006, 21, 1144-1147.	3.9	41
42	Finding a new therapeutic approach for no-option Parkinsonisms: mesenchymal stromal cells for progressive supranuclear palsy. Journal of Translational Medicine, 2016, 14, 127.	4.4	41
43	Clinical and cerebral activity changes induced by subthalamic nucleus stimulation in advanced Parkinson's disease: A prospective case-control study. Clinical Neurology and Neurosurgery, 2009, 111, 140-146.	1.4	40
44	Phase matters: A role for the subthalamic network during gait. PLoS ONE, 2018, 13, e0198691.	2.5	38
45	Predictive value of nigrostriatal dysfunction in isolated tremor: A clinical and SPECT study. Movement Disorders, 2008, 23, 2049-2054.	3.9	35
46	Excitability of the supplementary motor area in Parkinson's disease depends on subcortical damage. Brain Stimulation, 2019, 12, 152-160.	1.6	35
47	Movement Preparation and Bilateral Modulation of Beta Activity in Aging and Parkinsonâ€™s Disease. PLoS ONE, 2015, 10, e0114817.	2.5	34
48	Increased oxidative stress in lymphocytes from untreated Parkinson's disease patients. Parkinsonism and Related Disorders, 2009, 15, 327-328.	2.2	32
49	Dopaminergic Striatal Innervation Predicts Interlimb Transfer of a Visuomotor Skill. Journal of Neuroscience, 2011, 31, 14458-14462.	3.6	32
50	Gait Initiation in Parkinsonâ€™s Disease: Impact of Dopamine Depletion and Initial Stance Condition. Frontiers in Bioengineering and Biotechnology, 2020, 8, 137.	4.1	32
51	Mechanical Energy Recovery during Walking in Patients with Parkinson Disease. PLoS ONE, 2016, 11, e0156420.	2.5	32
52	Gait Initiation in Children with Rett Syndrome. PLoS ONE, 2014, 9, e92736.	2.5	30
53	Autologous mesenchymal stem cell therapy for progressive supranuclear palsy: translation into a phase I controlled, randomized clinical study. Journal of Translational Medicine, 2014, 12, 14.	4.4	30
54	Monitoring subthalamic oscillations for 24 hours in a freely moving Parkinson's disease patient. Movement Disorders, 2019, 34, 757-759.	3.9	28

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55	Tor1a+/- mice develop dystonia-like movements via a striatal dopaminergic dysregulation triggered by peripheral nerve injury. Acta Neuropathologica Communications, 2016, 4, 108.	5.2	27
56	Dopamine reuptake transporterâ€“singleâ€photon emission computed tomography and transcranial sonography as imaging markers of prediagnostic Parkinson's disease. Movement Disorders, 2018, 33, 478-482.	3.9	25
57	A voxel-based PET study of dopamine transporters in Parkinson's disease: Relevance of age at onset. Neurobiology of Disease, 2008, 31, 102-109.	4.4	24
58	Sit-to-walk performance in Parkinson's disease: A comparison between faller and non-faller patients. Clinical Biomechanics, 2019, 63, 140-146.	1.2	22
59	Striatal Dopamine Deficit and Motor Impairment in Idiopathic Normal Pressure Hydrocephalus. Movement Disorders, 2021, 36, 124-132.	3.9	22
60	Nicotinic Acetylcholine Receptor Density in Cognitively Intact Subjects at an Early Stage of ParkinsonÃ¢â‚¬â„¢s Disease. Frontiers in Aging Neuroscience, 2014, 6, 213.	3.4	21
61	Gait initiation in progressive supranuclear palsy: brain metabolic correlates. NeuroImage: Clinical, 2020, 28, 102408.	2.7	21
62	Cerebral activity modulation by extradural motor cortex stimulation in Parkinson's disease: a perfusion SPECT study. European Journal of Neurology, 2008, 15, 22-28.	3.3	18
63	Clinical Outcome and Striatal Dopaminergic Function After Shunt Surgery in Patients With Idiopathic Normal Pressure Hydrocephalus. Neurology, 2021, 96, e2861-e2873.	1.1	18
64	Single-Photon Emission Computed Tomography in Diagnosis and Differential Diagnosis of Parkinsonâ€™s Disease. Neurodegenerative Diseases, 2010, 7, 319-329.	1.4	17
65	The Influence of Dopaminergic Striatal Innervation on Upper Limb Locomotor Synergies. PLoS ONE, 2012, 7, e51464.	2.5	17
66	Distinctive neuronal firing patterns in subterritories of the subthalamic nucleus. Clinical Neurophysiology, 2016, 127, 3387-3393.	1.5	17
67	Dermal and cardiac autonomic fiber involvement in Parkinson's disease and multiple system atrophy. Neurobiology of Disease, 2021, 153, 105332.	4.4	17
68	A New Scale to Evaluate Motor Function in Rett Syndrome: Validation and Psychometric Properties. Pediatric Neurology, 2019, 100, 80-86.	2.1	16
69	Cholinergic activity and levodopaâ€induced dyskinesia: a multitracer molecular imaging study. Annals of Clinical and Translational Neurology, 2017, 4, 632-639.	3.7	15
70	Motor function in Rett syndrome: comparing clinical and parental assessments. Developmental Medicine and Child Neurology, 2019, 61, 957-963.	2.1	15
71	Bilateral pallidal stimulation improves cervical dystonia for more than a decade. Parkinsonism and Related Disorders, 2020, 81, 78-81.	2.2	15
72	Deep Brain Stimulation Programming for Movement Disorders. , 2008, , 361-397.		15

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73	Clinical and imaging characterization of a patient with idiopathic progressive ataxia and palatal tremor. European Journal of Neurology, 2007, 14, 944-946.	3.3	14
74	Impaired reach-to-grasp kinematics in parkinsonian patients relates to dopamine-dependent, subthalamic beta bursts. Npj Parkinson's Disease, 2021, 7, 53.	5.3	14
75	Striatal dopamine transporter binding in patients with Parkinson's disease and severe occupational hydrocarbon exposure. European Journal of Neurology, 2007, 14, 070206022829003-???.	3.3	11
76	Adaptive deep brain stimulation: Retuning Parkinson's disease. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2022, 184, 273-284.	1.8	11
77	PET imaging of noradrenaline transporters in Parkinsonâ€™s disease: focus on scan time. Annals of Nuclear Medicine, 2019, 33, 69-77.	2.2	10
78	A Fully-Immersive Virtual Reality Setup to Study Gait Modulation. Frontiers in Human Neuroscience, 2022, 16, 783452.	2.0	10
79	Cortical response to levodopa in Parkinson's disease patients with dyskinesias. European Journal of Neuroscience, 2018, 48, 2362-2373.	2.6	9
80	Brain metabolic alterations herald falls in patients with Parkinsonâ€™s disease. Annals of Clinical and Translational Neurology, 2020, 7, 579-583.	3.7	9
81	Rodent models for gait network disorders in Parkinson's disease â€“ a translational perspective. Experimental Neurology, 2022, 352, 114011.	4.1	9
82	Differential diagnosis of parkinsonism: a head-to-head comparison of FDG PET and MIBG scintigraphy. Npj Parkinson's Disease, 2020, 6, 39.	5.3	8
83	Imaging evidence supports a link between essential tremor and Parkinson's disease. Nuclear Medicine Communications, 2009, 30, 93-94.	1.1	7
84	SPECT Molecular Imaging in Atypical Parkinsonism. International Review of Neurobiology, 2018, 142, 37-65.	2.0	7
85	Disrupt of Intra-Limb APA Pattern in Parkinsonian Patients Performing Index-Finger Flexion. Frontiers in Physiology, 2018, 9, 1745.	2.8	7
86	Night-time use of rotigotine in advanced Parkinson's disease. Functional Neurology, 2010, 25, 201-4.	1.3	7
87	Vocal cord electromyographic correlates of stridor in multiple system atrophy phenotypes. Parkinsonism and Related Disorders, 2020, 70, 31-35.	2.2	6
88	Influence of CT-based attenuation correction on dopamine transporter SPECT with [(123)I]FP-CIT. American Journal of Nuclear Medicine and Molecular Imaging, 2015, 5, 278-86.	1.0	6
89	Troubleshooting Gait Disturbances in Parkinsonâ€™s Disease With Deep Brain Stimulation. Frontiers in Human Neuroscience, 2022, 16, .	2.0	6
90	Reply: Clinical approach to delayed-onset cerebellar impairment following deep brain stimulation for tremor. Brain, 2017, 140, e28-e28.	7.6	5

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91	Single photon-emission computed tomography imaging in early Parkinsonâ€™s disease. Expert Review of Neurotherapeutics, 2008, 8, 1853-1864.	2.8	4
92	Reply: Parkinsonâ€™s disease in GTP cyclohydrolase 1 mutation carriers. Brain, 2015, 138, e352-e352.	7.6	4
93	[123I]FP-CIT SPECT in atypical degenerative parkinsonism. Imaging in Medicine, 2012, 4, 411-421.	0.0	3
94	Later age at onset in Parkinson's disease over twenty years in an Italian tertiary clinic. Parkinsonism and Related Disorders, 2014, 20, 1181-1185.	2.2	3
95	Characterization of the spiking and bursting activity of the subthalamic nucleus in patients with Parkinson's disease. , 2015, , .		2
96	Deep Brain Stimulation. , 2013, , 445-461.		2
97	Managing dystonia patients treated with deep brain stimulation. , 0, , 83-90.		1
98	Managing dystonia patients treated with deep brain stimulation. , 0, , 108-117.		1
99	Safety and Effectiveness of Cell Therapy in Neurodegenerative Diseases: Take-Home Messages From a Pilot Feasibility Phase I Study of Progressive Supranuclear Palsy. Frontiers in Neuroscience, 2021, 15, 723227.	2.8	1
100	Clinical and genetic correlations of scoliosis in Rett syndrome. European Spine Journal, 2022, 31, 2987-2993.	2.2	1
101	Walking efficiency assessment through the analysis of mechanical energy and energy recovery index. , 2013, , .		0
102	Parkinsonian Tremor. , 2011, , 64-72.		0