

# Ioannis U Isaias

## List of Publications by Year in descending order

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Version: 2024-02-01

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  | 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        |
| 2  | A Fully-Immersive Virtual Reality Setup to Study Gait Modulation. Frontiers in Human Neuroscience, 2022, 16, 783452.  | 2.0 | 10        |
| 3  | Rodent models for gait network disorders in Parkinson's disease – a translational perspective. Experimental Neurology, 2022, 352, 114011.   | 4.1 | 9         |
| 4  | Clinical and genetic correlations of scoliosis in Rett syndrome. European Spine Journal, 2022, 31, 2987-2993.   | 2.2 | 1         |
| 5  | Troubleshooting Gait Disturbances in Parkinson's Disease With Deep Brain Stimulation. Frontiers in Human Neuroscience, 2022, 16, .  | 2.0 | 6         |
| 6  | Striatal Dopamine Deficit and Motor Impairment in Idiopathic Normal Pressure Hydrocephalus. Movement Disorders, 2021, 36, 124-132.  | 3.9 | 22        |
| 7  | Clinical Outcome and Striatal Dopaminergic Function After Shunt Surgery in Patients With Idiopathic Normal Pressure Hydrocephalus. Neurology, 2021, 96, e2861-e2873.  | 1.1 | 18        |
| 8  | 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        |
| 9  | Dermal and cardiac autonomic fiber involvement in Parkinson's disease and multiple system atrophy. Neurobiology of Disease, 2021, 153, 105332.  | 4.4 | 17        |
| 10 | 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        |
| 11 | The sensitivity of ECG contamination to surgical implantation site in brain computer interfaces. Brain Stimulation, 2021, 14, 1301-1306.  | 1.6 | 43        |
| 12 | 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         |
| 13 | Vocal cord electromyographic correlates of stridor in multiple system atrophy phenotypes. Parkinsonism and Related Disorders, 2020, 70, 31-35.  | 2.2 | 6         |
| 14 | Bilateral pallidal stimulation improves cervical dystonia for more than a decade. Parkinsonism and Related Disorders, 2020, 81, 78-81.  | 2.2 | 15        |
| 15 | Gait-related frequency modulation of beta oscillatory activity in the subthalamic nucleus of parkinsonian patients. Brain Stimulation, 2020, 13, 1743-1752.   | 1.6 | 42        |
| 16 | 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         |
| 17 | Gait initiation in progressive supranuclear palsy: brain metabolic correlates. NeuroImage: Clinical, 2020, 28, 102408.  | 2.7 | 21        |
| 18 | Brain metabolic alterations herald falls in patients with Parkinson's disease. Annals of Clinical and Translational Neurology, 2020, 7, 579-583.  | 3.7 | 9         |

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|----|---|-----|-----------|
| 19 | Gait Initiation in Parkinson's Disease: Impact of Dopamine Depletion and Initial Stance Condition. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 137.   | 4.1 | 32        |
| 20 | Deep brain stimulation: a review of the open neural engineering challenges. <i>Journal of Neural Engineering</i> , 2020, 17, 051002.  | 3.5 | 50        |
| 21 | Freezing of gait in Parkinson's disease reflects a sudden derangement of locomotor network dynamics. <i>Brain</i> , 2019, 142, 2037-2050.   | 7.6 | 96        |
| 22 | Monitoring subthalamic oscillations for 24 hours in a freely moving Parkinson's disease patient. <i>Movement Disorders</i> , 2019, 34, 757-759.   | 3.9 | 28        |
| 23 | A New Scale to Evaluate Motor Function in Rett Syndrome: Validation and Psychometric Properties. <i>Pediatric Neurology</i> , 2019, 100, 80-86.   | 2.1 | 16        |
| 24 | Sit-to-walk performance in Parkinson's disease: A comparison between faller and non-faller patients. <i>Clinical Biomechanics</i> , 2019, 63, 140-146.  | 1.2 | 22        |
| 25 | Probabilistic mapping of the antidystonic effect of pallidal neurostimulation: a multicentre imaging study. <i>Brain</i> , 2019, 142, 1386-1398.  | 7.6 | 105       |
| 26 | Motor function in Rett syndrome: comparing clinical and parental assessments. <i>Developmental Medicine and Child Neurology</i> , 2019, 61, 957-963.  | 2.1 | 15        |
| 27 | Excitability of the supplementary motor area in Parkinson's disease depends on subcortical damage. <i>Brain Stimulation</i> , 2019, 12, 152-160.  | 1.6 | 35        |
| 28 | PET imaging of noradrenaline transporters in Parkinson's disease: focus on scan time. <i>Annals of Nuclear Medicine</i> , 2019, 33, 69-77.  | 2.2 | 10        |
| 29 | Neuromelanin detection by magnetic resonance imaging (MRI) and its promise as a biomarker for Parkinson's disease. <i>Npj Parkinson's Disease</i> , 2018, 4, 11.  | 5.3 | 169       |
| 30 | Dopamine reuptake transporter's single-photon emission computed tomography and transcranial sonography as imaging markers of pre-diagnostic Parkinson's disease. <i>Movement Disorders</i> , 2018, 33, 478-482. | 3.9 | 25        |
| 31 | SPECT Molecular Imaging in Atypical Parkinsonism. <i>International Review of Neurobiology</i> , 2018, 142, 37-65.   | 2.0 | 7         |
| 32 | Disrupt of Intra-Limb APA Pattern in Parkinsonian Patients Performing Index-Finger Flexion. <i>Frontiers in Physiology</i> , 2018, 9, 1745.   | 2.8 | 7         |
| 33 | Phase matters: A role for the subthalamic network during gait. <i>PLoS ONE</i> , 2018, 13, e0198691.  | 2.5 | 38        |
| 34 | Cortical response to levodopa in Parkinson's disease patients with dyskinesias. <i>European Journal of Neuroscience</i> , 2018, 48, 2362-2373.  | 2.6 | 9         |
| 35 | Cholinergic activity and levodopa-induced dyskinesia: a multitracer molecular imaging study. <i>Annals of Clinical and Translational Neurology</i> , 2017, 4, 632-639.  | 3.7 | 15        |
| 36 | Reply: Clinical approach to delayed-onset cerebellar impairment following deep brain stimulation for tremor. <i>Brain</i> , 2017, 140, e28-e28.   | 7.6 | 5         |

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|----|--|-----|-----------|
| 37 | <i>Mucuna pruriens</i> in Parkinson disease. <i>Neurology</i> , 2017, 89, 432-438.   | 1.1 | 79        |
| 38 | Beta Oscillatory Changes and Retention of Motor Skills during Practice in Healthy Subjects and in Patients with Parkinson's Disease. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 104.   | 2.0 | 49        |
| 39 | Neuromelanin Imaging and Dopaminergic Loss in Parkinson's Disease. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 196.  | 3.4 | 146       |
| 40 | Striatal Dopaminergic Innervation Regulates Subthalamic Beta-Oscillations and Cortical-Subcortical Coupling during Movements: Preliminary Evidence in Subjects with Parkinson's Disease. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 611. | 2.0 | 45        |
| 41 | <i>Mucuna pruriens</i> for Parkinson's disease: Low-cost preparation method, laboratory measures and pharmacokinetics profile. <i>Journal of the Neurological Sciences</i> , 2016, 365, 175-180.   | 0.6 | 44        |
| 42 | Progressive gait ataxia following deep brain stimulation for essential tremor: adverse effect or lack of efficacy?. <i>Brain</i> , 2016, 139, 2948-2956.   | 7.6 | 119       |
| 43 | Distinctive neuronal firing patterns in subterritories of the subthalamic nucleus. <i>Clinical Neurophysiology</i> , 2016, 127, 3387-3393.   | 1.5 | 17        |
| 44 | Tor1a <sup>+/-</sup> mice develop dystonia-like movements via a striatal dopaminergic dysregulation triggered by peripheral nerve injury. <i>Acta Neuropathologica Communications</i> , 2016, 4, 108.  | 5.2 | 27        |
| 45 | Finding a new therapeutic approach for no-option Parkinsonisms: mesenchymal stromal cells for progressive supranuclear palsy. <i>Journal of Translational Medicine</i> , 2016, 14, 127.  | 4.4 | 41        |
| 46 | Dementia in Parkinson's disease: Is male gender a risk factor?. <i>Parkinsonism and Related Disorders</i> , 2016, 26, 67-72.   | 2.2 | 52        |
| 47 | Mechanical Energy Recovery during Walking in Patients with Parkinson Disease. <i>PLoS ONE</i> , 2016, 11, e0156420.  | 2.5 | 32        |
| 48 | Movement Preparation and Bilateral Modulation of Beta Activity in Aging and Parkinson's Disease. <i>PLoS ONE</i> , 2015, 10, e0114817.   | 2.5 | 34        |
| 49 | Characterization of the spiking and bursting activity of the subthalamic nucleus in patients with Parkinson's disease. , 2015, , .   |     | 2         |
| 50 | Reply: Parkinson's disease in GTP cyclohydrolase 1 mutation carriers. <i>Brain</i> , 2015, 138, e352-e352.   | 7.6 | 4         |
| 51 | Parkinson's disease beyond 20 years. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2015, 86, 849-855.   | 1.9 | 55        |
| 52 | Influence of CT-based attenuation correction on dopamine transporter SPECT with [(123)I]FP-CIT. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2015, 5, 278-86.   | 1.0 | 6         |
| 53 | Gait Initiation in Children with Rett Syndrome. <i>PLoS ONE</i> , 2014, 9, e92736.   | 2.5 | 30        |
| 54 | Nicotinic Acetylcholine Receptor Density in Cognitively Intact Subjects at an Early Stage of Parkinson's Disease. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 213.   | 3.4 | 21        |

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|----|---|-----|-----------|
| 55 | Swallowing disturbances in Parkinson's disease: A multivariate analysis of contributing factors. <i>Parkinsonism and Related Disorders</i> , 2014, 20, 1382-1387.                                       | 2.2 | 93        |
| 56 | Autologous mesenchymal stem cell therapy for progressive supranuclear palsy: translation into a phase I controlled, randomized clinical study. <i>Journal of Translational Medicine</i> , 2014, 12, 14. | 4.4 | 30        |
| 57 | Later age at onset in Parkinson's disease over twenty years in an Italian tertiary clinic. <i>Parkinsonism and Related Disorders</i> , 2014, 20, 1181-1185.   | 2.2 | 3         |
| 58 | Parkinson's disease in GTP cyclohydrolase 1 mutation carriers. <i>Brain</i> , 2014, 137, 2480-2492.   | 7.6 | 169       |
| 59 | Walking efficiency assessment through the analysis of mechanical energy and energy recovery index. , 2013, , .  |     | 0         |
| 60 | Deep Brain Stimulation. , 2013, , 445-461.  |     | 2         |
| 61 | [123I]FP-CIT SPECT in atypical degenerative parkinsonism. <i>Imaging in Medicine</i> , 2012, 4, 411-421.  | 0.0 | 3         |
| 62 | The Influence of Dopaminergic Striatal Innervation on Upper Limb Locomotor Synergies. <i>PLoS ONE</i> , 2012, 7, e51464.  | 2.5 | 17        |
| 63 | Artistic productivity and creative thinking in Parkinson's disease. <i>European Journal of Neurology</i> , 2012, 19, 468-472.   | 3.3 | 53        |
| 64 | Parkinson's disease tremor-related metabolic network: Characterization, progression, and treatment effects. <i>NeuroImage</i> , 2011, 54, 1244-1253.  | 4.2 | 216       |
| 65 | Pallidal Deep Brain Stimulation for Primary Dystonia in Children. <i>Neurosurgery</i> , 2011, 68, 738-743.  | 1.1 | 62        |
| 66 | A 5-year prospective assessment of advanced Parkinson disease patients treated with subcutaneous apomorphine infusion or deep brain stimulation. <i>Journal of Neurology</i> , 2011, 258, 579-585.      | 3.6 | 113       |
| 67 | Factors predicting protracted improvement after pallidal DBS for primary dystonia: the role of age and disease duration. <i>Journal of Neurology</i> , 2011, 258, 1469-1476.                            | 3.6 | 101       |
| 68 | Enhanced catecholamine transporter binding in the locus coeruleus of patients with early Parkinson disease. <i>BMC Neurology</i> , 2011, 11, 88.  | 1.8 | 46        |
| 69 | Dopaminergic Striatal Innervation Predicts Interlimb Transfer of a Visuomotor Skill. <i>Journal of Neuroscience</i> , 2011, 31, 14458-14462.  | 3.6 | 32        |
| 70 | A role for locus coeruleus in Parkinson tremor. <i>Frontiers in Human Neuroscience</i> , 2011, 5, 179.  | 2.0 | 51        |
| 71 | Parkinsonian Tremor. , 2011, , 64-72.   |     | 0         |
| 72 | Single-Photon Emission Computed Tomography in Diagnosis and Differential Diagnosis of Parkinson's Disease. <i>Neurodegenerative Diseases</i> , 2010, 7, 319-329.  | 1.4 | 17        |

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|----|--|-----|-----------|
| 73 | Imaging essential tremor. <i>Movement Disorders</i> , 2010, 25, 679-686.   | 3.9 | 80        |
| 74 | Night-time use of rotigotine in advanced Parkinson's disease. <i>Functional Neurology</i> , 2010, 25, 201-4.   | 1.3 | 7         |
| 75 | Deep Brain Stimulation for Primary Generalized Dystonia. <i>Archives of Neurology</i> , 2009, 66, 465-70.  | 4.5 | 180       |
| 76 | Monoamine transporter availability in Parkinson's disease patients with or without depression. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2009, 36, 428-435.                                    | 6.4 | 72        |
| 77 | Clinical and cerebral activity changes induced by subthalamic nucleus stimulation in advanced Parkinson's disease: A prospective case-control study. <i>Clinical Neurology and Neurosurgery</i> , 2009, 111, 140-146.    | 1.4 | 40        |
| 78 | Increased oxidative stress in lymphocytes from untreated Parkinson's disease patients. <i>Parkinsonism and Related Disorders</i> , 2009, 15, 327-328.  | 2.2 | 32        |
| 79 | Safety of MRI in patients with implanted deep brain stimulation devices. <i>NeuroImage</i> , 2009, 47, T53-T57.  | 4.2 | 106       |
| 80 | Imaging evidence supports a link between essential tremor and Parkinson's disease. <i>Nuclear Medicine Communications</i> , 2009, 30, 93-94.   | 1.1 | 7         |
| 81 | Cerebral activity modulation by extradural motor cortex stimulation in Parkinson's disease: a perfusion SPECT study. <i>European Journal of Neurology</i> , 2008, 15, 22-28.   | 3.3 | 18        |
| 82 | Loss of thalamic serotonin transporters in early drug-naïve Parkinson's disease patients is associated with tremor: an [ <sup>123</sup> I]β-CIT SPECT study. <i>Journal of Neural Transmission</i> , 2008, 115, 721-729. | 2.8 | 53        |
| 83 | The relationship between impulsivity and impulse control disorders in Parkinson's disease. <i>Movement Disorders</i> , 2008, 23, 411-415.  | 3.9 | 131       |
| 84 | [ <sup>123</sup> I]β-CIT SPET imaging in drug-induced Parkinsonism. <i>Movement Disorders</i> , 2008, 23, 1825-1829.   | 3.9 | 47        |
| 85 | Predictive value of nigrostriatal dysfunction in isolated tremor: A clinical and SPECT study. <i>Movement Disorders</i> , 2008, 23, 2049-2054.   | 3.9 | 35        |
| 86 | A voxel-based PET study of dopamine transporters in Parkinson's disease: Relevance of age at onset. <i>Neurobiology of Disease</i> , 2008, 31, 102-109.  | 4.4 | 24        |
| 87 | Parkin analysis in early onset Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2008, 14, 326-333.   | 2.2 | 42        |
| 88 | Outcome predictors of pallidal stimulation in patients with primary dystonia: the role of disease duration. <i>Brain</i> , 2008, 131, 1895-1902.   | 7.6 | 240       |
| 89 | Duodenal Levodopa Infusion Improves Quality of Life in Advanced Parkinson's Disease. <i>Neurodegenerative Diseases</i> , 2008, 5, 244-246.   | 1.4 | 93        |
| 90 | Functional Abnormalities Underlying Pathological Gambling in Parkinson Disease. <i>Archives of Neurology</i> , 2008, 65, 1604-11.  | 4.5 | 127       |

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|-----|--|-----|-----------|
| 91  | Single photon-emission computed tomography imaging in early Parkinson's disease. Expert Review of Neurotherapeutics, 2008, 8, 1853-1864.   | 2.8 | 4         |
| 92  | Striatal dopamine transporter abnormalities in patients with essential tremor. Nuclear Medicine Communications, 2008, 29, 349-353.   | 1.1 | 69        |
| 93  | Deep Brain Stimulation Programming for Movement Disorders. , 2008, , 361-397.  |     | 15        |
| 94  | [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        |
| 95  | 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        |
| 96  | Duodenal levodopa infusion for advanced Parkinson's disease: 12-month treatment outcome. Movement Disorders, 2007, 22, 1145-1149.  | 3.9 | 241       |
| 97  | 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        |
| 98  | 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        |
| 99  | 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       |
| 100 | Striatal dopamine transporter binding in Parkinson's disease associated with the LRRK2 Gly2019Ser mutation. Movement Disorders, 2006, 21, 1144-1147.                                       | 3.9 | 41        |
| 101 | Managing dystonia patients treated with deep brain stimulation. , 0, , 83-90.  |     | 1         |
| 102 | Managing dystonia patients treated with deep brain stimulation. , 0, , 108-117.  |     | 1         |