# Juan Fernandez-Ruiz

List of Publications by Year
in descending order



| 103 | 2,559 | 186265 | 243625 |
|---|---|---|---|
| papers | citations | 28 h-index | 44 g-index |

| 106 | 106 | 106 | 2686 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Modulation of inspiratory burst duration and frequency by bombesin in vitro. Pflugers Archiv European Journal of Physiology, 2023, 475, 101-117. | 2.8 | 4 |
| 2 | An Exploratory Survey on the Care for Ataxic Patients in the American Continents and the Caribbean. Cerebellum, 2023, 22, 708-718. | 2.5 | 1 |
| 3 | Mapping the Cerebellar Cognitive Affective Syndrome in Patients with Chronic Cerebellar Strokes. Cerebellum, 2022, 21, 208-218. | 2.5 | 22 |
| 4 | Critical role of acute hypoxemia on the cognitive impairment after severe COVID-19 pneumonia: a multivariate causality model analysis. Neurological Sciences, 2022, 43, 2217-2229. | 1.9 | 11 |
| 5 | Longitudinal Analysis of the Relation Between Clinical Impairment and Gray Matter Degeneration in Spinocerebellar Ataxia Type 7 Patients. Cerebellum, 2021, 20, 346-360. | 2.5 | 3 |
| 6 | Compromised resting cerebral metabolism after sport-related concussion: A calibrated MRI study. Brain Imaging and Behavior, 2021, 15, 133-146. | 2.1 | 12 |
| 7 | Cognitive Decline and White Matter Integrity Degradation in Myotonic Dystrophy Type I. Journal of Neuroimaging, 2021, 31, 192-198. | 2.0 | 7 |
| 8 | Cerebellar Degeneration Signature in Huntingtonâ€™s Disease. Cerebellum, 2021, 20, 942-945. | 2.5 | 9 |
| 9 | Planning deficits in Huntingtonâ€™s disease: A brain structural correlation by voxel-based morphometry. PLoS ONE, 2021, 16, e0249144. | 2.5 | 4 |
| 10 | Cervical Spinal Cord Degeneration in Spinocerebellar Ataxia Type 7. American Journal of Neuroradiology, 2021, 42, 1735-1739. | 2.4 | 4 |
| 11 | Cognitive Impairments in Spinocerebellar Ataxia Type 10 and Their Relation to Cortical Thickness. Movement Disorders, 2021, 36, 2910-2921. | 3.9 | 3 |
| 12 | Reply to: â€œFurther Perspectives on the Neural Bases of Cognitive Impairments in Spinocerebellar Ataxia Type 10â€: Movement Disorders, 2021, 36, 2978-2978. | 3.9 | 0 |
| 13 | Dorsolateral prefrontal cortex hyperactivity during inhibitory control in children with ADHD in the antisaccade task. Brain Imaging and Behavior, 2020, 14, 2450-2463. | 2.1 | 21 |
| 14 | Longitudinal atrophy characterization of cortical and subcortical gray matter in Huntingtonâ€™s disease patients. European Journal of Neuroscience, 2020, 51, 1827-1843. | 2.6 | 11 |
| 15 | Co-localized impaired regional cerebrovascular reactivity in chronic concussion is associated with BOLD activation differences during a working memory task. Brain Imaging and Behavior, 2020, 14, 2438-2449. | 2.1 | 12 |
| 16 | Procedural and Strategic Visuomotor Learning Deficits in Children With Developmental Coordination Disorder. Research Quarterly for Exercise and Sport, 2020, 91, 386-393. | 1.4 | 2 |
| 17 | Founder Effects of Spinocerebellar Ataxias in the American Continents and the Caribbean. Cerebellum, 2020, 19, 446-458. | 2.5 | 17 |
| 18 | Cerebellar and thalamic degeneration in spinocerebellar ataxia type 10. The devil is in the details. Parkinsonism and Related Disorders, 2020, 76, 75. | 2.2 | 2 |

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|---|---|---|---|
| 19 | Presencia de signos neurolÃ³gicos blandos en niÃ±os mazahuas con desnutriciÃ³n grave y anemia. Persona, 2020, , 87-100. | 0.1 | 0 |
| 20 | Implicit learning impairment identified via predictive saccades in Huntington's disease correlates with extended cortico-striatal atrophy. Cortex, 2019, 121, 89-103. | 2.4 | 4 |
| 21 | Extensive cerebellar and thalamic degeneration in spinocerebellar ataxia type 10. Parkinsonism and Related Disorders, 2019, 66, 182-188. | 2.2 | 16 |
| 22 | The human amygdala disconnecting from auditory cortex preferentially discriminates musical sound of uncertain emotion by altering hemispheric weighting. Scientific Reports, 2019, 9, 14787. | 3.3 | 3 |
| 23 | Sparse Sampling of Silence Type I Errors With an Emphasis on Primary Auditory Cortex. Frontiers in Neuroscience, 2019, 13, 516. | 2.8 | 9 |
| 24 | Resting CMRO2 fluctuations show persistent network hyper-connectivity following exposure to sub-concussive collisions. NeuroImage: Clinical, 2019, 22, 101753. | 2.7 | 15 |
| 25 | Stroke Longitudinal Volumetric Measures Correlate with the Behavioral Score in Non-Human Primates. Neuroscience, 2019, 397, 41-55. | 2.3 | 6 |
| 26 | Neuroanatomical substrates involved in unrelated false facial recognition. Social Neuroscience, 2019, 14, 90-98. | 1.3 | 2 |
| 27 | Extrastriatal degeneration correlates with deficits in the motor domain subscales of the UHDRS. Journal of the Neurological Sciences, 2018, 385, 22-29. | 0.6 | 5 |
| 28 | Age related prefrontal compensatory mechanisms for inhibitory control in the antisaccade task. NeuroImage, 2018, 165, 92-101. | 4.2 | 40 |
| 29 | Ophthalmic features of spinocerebellar ataxia type 7. Eye, 2018, 32, 120-127. | 2.1 | 14 |
| 30 | Motor and cognitive impairments in spinocerebellar ataxia type 7 and its correlations with cortical volumes. European Journal of Neuroscience, 2018, 48, 3199-3211. | 2.6 | 16 |
| 31 | Unique degeneration signatures in the cerebellar cortex for spinocerebellar ataxias 2, 3, and 7. NeuroImage: Clinical, 2018, 20, 931-938. | 2.7 | 24 |
| 32 | Early Huntingtonâ€™s Disease: Impulse Control Deficits but Correct Judgment Regarding Risky Situations. Journal of Huntington's Disease, 2017, 6, 73-78. | 1.9 | 8 |
| 33 | Increased functional connectivity after stroke correlates with behavioral scores in non-human primate model. Scientific Reports, 2017, 7, 6701. | 3.3 | 7 |
| 34 | Voluntary saccade inhibition deficits correlate with extended white-matter cortico-basal atrophy in Huntington's disease. NeuroImage: Clinical, 2017, 15, 502-512. | 2.7 | 5 |
| 35 | Neural correlates of ataxia severity in spinocerebellar ataxia type 3/Machado-Joseph disease. Cerebellum and Ataxias, 2017, 4, 7. | 1.9 | 22 |
| 36 | A feature selection method based on a neighborhood approach for contending with functional and anatomical variability in fMRI group analysis of cognitive states. Intelligent Data Analysis, 2017, 21, 661-677. | 0.9 | 6 |

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|---|---|---|---|
| 37 | The Franciscan Prayer Elicits Empathic and Cooperative Intentions in Atheists: A Neurocognitive and Phenomenological Enquiry. Frontiers in Sociology, 2017, 2, . | 2.0 | 5 |
| 38 | Spinocerebellar Ataxia Type 2: Clinicogenetic Aspects, Mechanistic Insights, and Management Approaches. Frontiers in Neurology, 2017, 8, 472. | 2.4 | 68 |
| 39 | Executive Mechanisms for Thinking about Negative Situations in Both Cooperative and Non-Cooperative Contexts. Frontiers in Human Neuroscience, 2017, 11, 275. | 2.0 | 5 |
| 40 | Altered Superficial White Matter on Tractography MRI in Alzheimer's Disease. Dementia and Geriatric Cognitive Disorders Extra, 2016, 6, 233-241. | 1.3 | 24 |
| 41 | Cognitive Deficits Correlate with White Matter Deterioration in Spinocerebellar Ataxia Type 2. Journal of the International Neuropsychological Society, 2016, 22, 486-491. | 1.8 | 12 |
| 42 | Tractography at 3T MRI of Corpus Callosum Tracts Crossing White Matter Hyperintensities. American Journal of Neuroradiology, 2016, 37, 1617-1622. | 2.4 | 22 |
| 43 | Ataxia Severity Correlates with White Matter Degeneration in Spinocerebellar Ataxia Type 7. American Journal of Neuroradiology, 2016, 37, 2050-2054. | 2.4 | 10 |
| 44 | Correlating quantitative tractography at 3T MRI and cognitive tests in healthy older adults. Brain Imaging and Behavior, 2016, 10, 1223-1230. | 2.1 | 9 |
| 45 | Different visuomotor processes maturation rates in children support dual visuomotor learning systems. Human Movement Science, 2016, 46, 221-228. | 1.4 | 12 |
| 46 | Motor and sensory cortical reorganization after bilateral forearm transplantation: Four-year follow-up fMRI case study. Magnetic Resonance Imaging, 2016, 34, 541-544. | 1.8 | 11 |
| 47 | Specific cerebellar and cortical degeneration correlates with ataxia severity in spinocerebellar ataxia type 7. Brain Imaging and Behavior, 2016, 10, 252-257. | 2.1 | 28 |
| 48 | Cognitive Function and 3-Tesla Magnetic Resonance Imaging Tractography of White Matter Hyperintensities in Elderly Persons. Dementia and Geriatric Cognitive Disorders Extra, 2015, 5, 387-394. | 1.3 | 12 |
| 49 | Applied Machine Learning to Identify Alzheimer's Disease through the Analysis of Magnetic Resonance Imaging. , 2015, , . | | 1 |
| 50 | Functional connectivity changes related to cognitive and motor performance in spinocerebellar ataxia type 2. Movement Disorders, 2015, 30, 1391-1399. | 3.9 | 31 |
| 51 | The Effect of Spatial Working Memory Deterioration on Strategic Visuomotor Learning across Aging. Behavioural Neurology, 2015, 2015, 1-7. | 2.1 | 14 |
| 52 | Social and Cultural Elements Associated with Neurocognitive Dysfunctions in Spinocerebellar Ataxia Type 2 Patients. Frontiers in Psychiatry, 2015, 6, 90. | 2.6 | 6 |
| 53 | Substitution of extracellular Ca2+ by Sr2+ prolongs inspiratory burst in pre-BÃ¶tzinger complex inspiratory neurons. Journal of Neurophysiology, 2015, 113, 1175-1183. | 1.8 | 9 |
| 54 | Effects of aging on strategic-based visuomotor learning. Brain Research, 2015, 1618, 9-16. | 2.2 | 3 |

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|---|---|---|---|
| 55 | Police culture influences the brain function underlying compassion: A gender study. Social Neuroscience, 2015, 10, 135-152. | 1.3 | 15 |
| 56 | Strategy Use, Planning, and Rule Acquisition Deficits in Spinocerebellar Ataxia Type 2 Patients. Journal of the International Neuropsychological Society, 2015, 21, 214-220. | 1.8 | 10 |
| 57 | Effects of reaction time variability and age on brain activity during Stroop task performance. Brain Imaging and Behavior, 2015, 9, 609-618. | 2.1 | 24 |
| 58 | Extensive White Matter Alterations and Its Correlations with Ataxia Severity in SCA 2 Patients. PLoS ONE, 2015, 10, e0135449. | 2.5 | 24 |
| 59 | Parahippocampal gray matter alterations in Spinocerebellar Ataxia Type 2 identified by voxel based morphometry. Journal of the Neurological Sciences, 2014, 347, 50-58. | 0.6 | 32 |
| 60 | Whole-brain connectivity analysis and classification of spinocerebellar ataxia type 7 by functional MRI. Cerebellum and Ataxias, 2014, 1, 2. | 1.9 | 18 |
| 61 | Cognitive Deterioration and Functional Compensation in ALS Measured with fMRI Using an Inhibitory Task. Journal of Neuroscience, 2014, 34, 14260-14271. | 3.6 | 53 |
| 62 | Neural correlates of spatial working memory manipulation in a sequential Vernier discrimination task. NeuroReport, 2014, 25, 1418-1423. | 1.2 | 5 |
| 63 | Comprehensive Study of Early Features in Spinocerebellar Ataxia 2: Delineating the Prodromal Stage of the Disease. Cerebellum, 2014, 13, 568-579. | 2.5 | 51 |
| 64 | Olfactory performance in spinocerebellar ataxia type 7 patients. Parkinsonism and Related Disorders, 2014, 20, 499-502. | 2.2 | 13 |
| 65 | P3-264: THE RELATIONSHIP BETWEEN FUNCTIONAL CONNECTIVITY CHANGES AND SELECTIVE ATTENTION DEFICITS IN ALZHEIMER'S DISEASE. , 2014, 10, P728-P729. | | 0 |
| 66 | Adapting to inversion of the visual field: a new twist on an old problem. Experimental Brain Research, 2013, 228, 327-339. | 1.5 | 42 |
| 67 | Spinocerebellar Ataxia Type 2 Neurodegeneration Differentially Affects Error-Based and Strategic-Based Visuomotor Learning. Cerebellum, 2013, 12, 848-855. | 2.5 | 20 |
| 68 | The effect of <scp>P</scp>arkinson's disease and <scp>H</scp>untington's disease on human visuomotor learning. European Journal of Neuroscience, 2013, 38, 2933-2940. | 2.6 | 41 |
| 69 | Disruption of visual and motor connectivity in spinocerebellar ataxia type 7. Movement Disorders, 2013, 28, 1708-1716. | 3.9 | 35 |
| 70 | Efecto de la exposiciÃ³n al pesticida rotenona sobre el desarrollo del sistema dopaminÃ©rgico nigro-estriatal en ratas. Salud Mental, 2013, 36, 1. | 0.3 | 6 |
| 71 | Inhibition of endoplasmic reticulum Ca2+ ATPase in preBÃ¶tzinger complex of neonatal rat does not affect respiratory rhythm generation. Neuroscience, 2012, 224, 116-124. | 2.3 | 22 |
| 72 | Behavioral improvement in MPTP-treated nonhuman primates in the HALLWAY task after transfer of TH cDNA to host astrocytes. Acta Neurobiologiae Experimentalis, 2012, 72, 166-76. | 0.7 | 1 |

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|---|---|---|---|
| 73 | Gray and white matter alterations in spinocerebellar ataxia type 7: An in vivo DTI and VBM study. NeuroImage, 2011, 55, 1-7. | 4.2 | 73 |
| 74 | Relation between reaction time and reach errors during visuomotor adaptation. Behavioural Brain Research, 2011, 219, 8-14. | 2.2 | 155 |
| 75 | Progression markers of Spinocerebellar Ataxia 2. A twenty years neurophysiological follow up study. Journal of the Neurological Sciences, 2010, 290, 22-26. | 0.6 | 49 |
| 76 | Sex-related differences in motor learning and performance. Behavioral and Brain Functions, 2010, 6, 74. | 3.3 | 56 |
| 77 | Motor Decline in Clinically Presymptomatic Spinocerebellar Ataxia Type 2 Gene Carriers. PLoS ONE, 2009, 4, e5398. | 2.5 | 19 |
| 78 | Quantitative evaluation of MPTP-treated nonhuman parkinsonian primates in the HALLWAY task. Journal of Neuroscience Methods, 2009, 177, 361-368. | 2.5 | 24 |
| 79 | Human Parietal â€œReach Regionâ€•Primarily Encodes Intrinsic Visual Direction, Not Extrinsic Movement Direction, in a Visualâ€“Motor Dissociation Task. Cerebral Cortex, 2007, 17, 2283-2292. | 2.9 | 118 |
| 80 | Olfaction and neurodegeneration in HD. NeuroReport, 2007, 18, 73-76. | 1.2 | 70 |
| 81 | Prism adaptation in spinocerebellar ataxia type 2. Neuropsychologia, 2007, 45, 2692-2698. | 1.6 | 39 |
| 82 | Spinocerebellar ataxia type 2 olfactory impairment shows a pattern similar to other major neurodegenerative diseases. Journal of Neurology, 2006, 253, 1165-1169. | 3.6 | 37 |
| 83 | Rapid Topographical Plasticity of the Visuomotor Spatial Transformation. Journal of Neuroscience, 2006, 26, 1986-1990. | 3.6 | 13 |
| 84 | Decay of prism aftereffects under passive and active conditions. Cognitive Brain Research, 2004, 20, 92-97. | 3.0 | 27 |
| 85 | Normal prism adaptation but reduced after-effect in basal ganglia disorders using a throwing task. European Journal of Neuroscience, 2003, 18, 689-694. | 2.6 | 52 |
| 86 | Olfactory dysfunction in hereditary ataxia and basal ganglia disorders. NeuroReport, 2003, 14, 1339-1341. | 1.2 | 21 |
| 87 | Olfactory dysfunction in hereditary ataxia and basal ganglia disorders. NeuroReport, 2003, 14, 1339-1341. | 1.2 | 39 |
| 88 | Visual habit formation in monkeys with neurotoxic lesions of the ventrocaudal neostriatum. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 4196-4201. | 7.1 | 171 |
| 89 | Learning Motor Synergies Makes Use of Information on Muscular Load. Learning and Memory, 2000, 7, 193-198. | 1.3 | 23 |
| 90 | Prism adaptation in normal aging: slower adaptation rate and larger aftereffect. Cognitive Brain Research, 2000, 9, 223-226. | 3.0 | 115 |

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|---|---|---|---|
| 91 | Spatial memory improvement by levodopa in parkinsonian MPTP-treated monkeys. Psychopharmacology, 1999, 147, 104-107. | 3.1 | 29 |
| 92 | Prism Adaptation and Aftereffect: Specifying the Properties of a Procedural Memory System. Learning and Memory, 1999, 6, 47-53. | 1.3 | 85 |
| 93 | Long-term cognitive impairment in MPTP-treated Rhesus monkeys. NeuroReport, 1995, 7, 102-104. | 1.2 | 5 |
| 94 | Long-term cognitive impairment in MPTP-treated Rhesus monkeys. NeuroReport, 1995, 7, 102-104. | 1.2 | 28 |
| 95 | Effects of excitotoxic lesions of the nucleus basalis magnocellularis on conditioned taste aversion and inhibitory avoidance in the rat. Pharmacology Biochemistry and Behavior, 1993, 45, 147-152. | 2.9 | 28 |
| 96 | Effects of catecholaminergic depletion of the amygdala and insular cortex on the potentiation of odor by taste aversions. Behavioral and Neural Biology, 1993, 60, 189-191. | 2.2 | 25 |
| 97 | Adrenal Medullary Grafts Restore Olfactory Deficits and Catecholamine Levels of 6-OHDA Amygdala Lesioned Animals. Journal of Neural Transplantation & Plasticity, 1993, 4, 289-297. | 0.7 | 4 |
| 98 | Time-dependent recovery of taste aversion learning by fetal brain transplants in gustatory neocortex-lesioned rats. Behavioral and Neural Biology, 1991, 55, 179-193. | 2.2 | 27 |
| 99 | Fetal brain transplants induce recovery of male sexual behavior in medial preoptic area-lesioned rats. Brain Research, 1990, 523, 331-336. | 2.2 | 13 |
| 100 | Correlation between acetylcholine release and recovery of conditioned taste aversion induced by fetal neocortex grafts. Brain Research, 1990, 523, 105-110. | 2.2 | 32 |
| 101 | Fetal brain grafts induce recovery of learning deficits and connectivity in rats with gustatory neocortex lesion. Brain Research, 1989, 478, 368-374. | 2.2 | 78 |
| 102 | Fetal brain transplants induce recuperation of taste aversion learning. Brain Research, 1987, 416, 147-152. | 2.2 | 39 |
| 103 | Potentiation of odor by taste and odor aversions in rats are regulated by cholinergic activity of dorsal hippocampus. Pharmacology Biochemistry and Behavior, 1987, 26, 553-559. | 2.9 | 23 |