Juan Fernandez-Ruiz

List of Publications by Year
in descending order

103	2,559	186254	243610
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