

Francisco Aboitiz

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8738348/publications.pdf>

Version: 2024-02-01

84
papers

4,615
citations

136885

32
h-index

102432

66
g-index

94
all docs

94
docs citations

94
times ranked

5533
citing authors

#	ARTICLE	IF	CITATIONS
1	Fiber composition of the human corpus callosum. <i>Brain Research</i> , 1992, 598, 143-153.	1.1	1,286
2	The evolutionary origin of the language areas in the human brain. A neuroanatomical perspective. <i>Brain Research Reviews</i> , 1997, 25, 381-396.	9.1	260
3	Individual differences in brain asymmetries and fiber composition in the human corpus callosum. <i>Brain Research</i> , 1992, 598, 154-161.	1.1	183
4	Species Differences and Similarities in the Fine Structure of the Mammalian Corpus callosum. <i>Brain, Behavior and Evolution</i> , 2001, 57, 98-105.	0.9	170
5	Age-related changes in fibre composition of the human corpus callosum. <i>NeuroReport</i> , 1996, 7, 1761-1764.	0.6	157
6	The evolutionary origin of the mammalian isocortex: Towards an integrated developmental and functional approach. <i>Behavioral and Brain Sciences</i> , 2003, 26, 535-552.	0.4	142
7	Cortical memory mechanisms and language origins. <i>Brain and Language</i> , 2006, 98, 40-56.	0.8	130
8	Long distance communication in the human brain: timing constraints for inter-hemispheric synchrony and the origin of brain lateralization. <i>Biological Research</i> , 2003, 36, 89-99.	1.5	122
9	Human-like rodent amyloid- β -peptide determines Alzheimer pathology in aged wild-type <i>Octodon degu</i> . <i>Neurobiology of Aging</i> , 2005, 26, 1023-1028.	1.5	106
10	Effect of the environment on the dendritic morphology of the rat auditory cortex. <i>Synapse</i> , 2010, 64, 97-110.	0.6	96
11	N400 ERPs for actions: building meaning in context. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 57.	1.0	88
12	Social Cognition in Schizophrenia: From Social Stimuli Processing to Social Engagement. <i>Frontiers in Psychiatry</i> , 2013, 4, 4.	1.3	88
13	Does Bigger Mean Better? Evolutionary Determinants of Brain Size and Structure. <i>Brain, Behavior and Evolution</i> , 1996, 47, 225-245.	0.9	81
14	Molecular mechanisms underlying glutamatergic dysfunction in schizophrenia: therapeutic implications. <i>Journal of Neurochemistry</i> , 2009, 111, 891-900.	2.1	76
15	Evolutionary divergence of the reptilian and the mammalian brains: considerations on connectivity and development. <i>Brain Research Reviews</i> , 2002, 39, 141-153.	9.1	75
16	The Phonological Loop. <i>Current Anthropology</i> , 2010, 51, S55-S65.	0.8	61
17	Prenatal Stress Down-Regulates Reelin Expression by Methylation of Its Promoter and Induces Adult Behavioral Impairments in Rats. <i>PLoS ONE</i> , 2015, 10, e0117680.	1.1	57
18	Williams syndrome: Pediatric, neurologic, and cognitive development. <i>Pediatric Neurology</i> , 2005, 32, 166-172.	1.0	55

#	ARTICLE	IF	CITATIONS
19	Gestures, Vocalizations, and Memory in Language Origins. <i>Frontiers in Evolutionary Neuroscience</i> , 2012, 4, 2.	3.7	52
20	Coordinated prefrontal-hippocampal activity and navigation strategy-related prefrontal firing during spatial memory formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 7123-7128.	3.3	50
21	Prelinguistic evolution and motherese: A hypothesis on the neural substrates. <i>Behavioral and Brain Sciences</i> , 2004, 27, 503-504.	0.4	48
22	Epigenesis and the evolution of the human brain. <i>Medical Hypotheses</i> , 1988, 25, 55-59.	0.8	47
23	Behavioral effects of manganese injected in the rat substantia nigra are potentiated by dicumarol, a DT-diaphorase inhibitor. <i>Pharmacology Biochemistry and Behavior</i> , 2004, 77, 245-251.	1.3	47
24	Irrelevant stimulus processing in ADHD: catecholamine dynamics and attentional networks. <i>Frontiers in Psychology</i> , 2014, 5, 183.	1.1	47
25	The inverted neurogenetic gradient of the mammalian isocortex: development and evolution. <i>Brain Research Reviews</i> , 2001, 38, 129-139.	9.1	46
26	Paradoxical Expectation: Oscillatory Brain Activity Reveals Social Interaction Impairment in Schizophrenia. <i>Biological Psychiatry</i> , 2015, 78, 421-431.	0.7	43
27	Chronic stress decreases the expression of sympathetic markers in the pineal gland and increases plasma melatonin concentration in rats. <i>Journal of Neurochemistry</i> , 2006, 97, 1279-1287.	2.1	40
28	Exogenous orienting of visual-spatial attention in ADHD children. <i>Brain Research</i> , 2013, 1493, 68-79.	1.1	40
29	A subject-independent pattern-based Brain-Computer Interface. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 269.	1.0	39
30	Pallial patterning and the origin of the isocortex. <i>Frontiers in Neuroscience</i> , 2015, 9, 377.	1.4	38
31	Homology: A comparative or a historical concept?. <i>Acta Biotheoretica</i> , 1988, 37, 27-29.	0.7	36
32	Someone has to give in: theta oscillations correlate with adaptive behavior in social bargaining. <i>Social Cognitive and Affective Neuroscience</i> , 2014, 9, 2041-2048.	1.5	34
33	Cross-Species and Intraspecies Morphometric Analysis of the Corpus Callosum. <i>Brain, Behavior and Evolution</i> , 2000, 55, 37-43.	0.9	33
34	Neural progenitors, patterning and ecology in neocortical origins. <i>Frontiers in Neuroanatomy</i> , 2013, 7, 38.	0.9	33
35	Sleep spindle activity in children with obstructive sleep apnea as a marker of neurocognitive performance: A pilot study. <i>European Journal of Paediatric Neurology</i> , 2018, 22, 434-439.	0.7	33
36	Genetic and developmental homology in amniote brains. Toward conciliating radical views of brain evolution. <i>Brain Research Bulletin</i> , 2011, 84, 125-136.	1.4	32

#	ARTICLE	IF	CITATIONS
37	Temporal Constraints of Behavioral Inhibition: Relevance of Inter-stimulus Interval in a Go-Nogo Task. PLoS ONE, 2014, 9, e87232.	1.1	29
38	Functional constraints in the evolution of brain circuits. Frontiers in Neuroscience, 2015, 9, 303.	1.4	28
39	Ancestry of the Mammalian Preplate and its Derivatives: Evolutionary Relicts or Embryonic Adaptations?. Reviews in the Neurosciences, 2005, 16, 359-76.	1.4	27
40	The mesencephalon as a source of preattentive consciousness. Behavioral and Brain Sciences, 2007, 30, 81-82.	0.4	25
41	Merging of Phonological and Gestural Circuits in Early Language Evolution. Reviews in the Neurosciences, 2009, 20, 71-84.	1.4	25
42	Effect of Psychostimulants on Distinct Attentional Parameters in Attentional Deficit/Hyperactivity Disorder. Biological Research, 2004, 37, 461-8.	1.5	24
43	Status epilepticus induces region-specific changes in dendritic spines, dendritic length and TrkB protein content of rat brain cortex. Brain Research, 2007, 1150, 225-238.	1.1	24
44	Neural Mechanisms of Human Perceptual Learning: Electrophysiological Evidence for a Two-Stage Process. PLoS ONE, 2011, 6, e19221.	1.1	23
45	Dendritic morphology and orientation of pyramidal cells of the neocortex in two groups of early postnatal undernourished/rehabilitated rats. Developmental Brain Research, 2003, 142, 37-45.	2.1	22
46	Co-option of Signaling Mechanisms from Neural Induction to Telencephalic Patterning. Reviews in the Neurosciences, 2007, 18, 311-42.	1.4	22
47	AChE-rich magnopyramidal neurons have a left-right size asymmetry in Broca's area. Brain Research, 2004, 1026, 313-316.	1.1	21
48	Chronic stress induces upregulation of brain-derived neurotrophic factor (BDNF) mRNA and integrin $\beta 5$ expression in the rat pineal gland. Brain Research, 2006, 1086, 27-34.	1.1	20
49	Origin and evolution of human speech: Emergence from a trimodal auditory, visual and vocal network. Progress in Brain Research, 2019, 250, 345-371.	0.9	20
50	Beta oscillations precede joint attention and correlate with mentalization in typical development and autism. Cortex, 2019, 113, 210-228.	1.1	20
51	To normalize or not to normalize for overall size?. Behavioral and Brain Sciences, 1998, 21, 327-328.	0.4	18
52	Chronic stress induces dendritic atrophy in the rat medial geniculate nucleus: Effects on auditory conditioning. Behavioural Brain Research, 2009, 203, 88-96.	1.2	18
53	From tetrapods to primates. Progress in Brain Research, 2012, 195, 3-24.	0.9	18
54	What determines evolutionary brain growth?. Behavioral and Brain Sciences, 2001, 24, 278-279.	0.4	17

#	ARTICLE	IF	CITATIONS
55	Functional Cortical Network in Alpha Band Correlates with Social Bargaining. PLoS ONE, 2014, 9, e109829.	1.1	17
56	Dendritic structure of single hippocampal neurons according to sex and hemisphere of origin in middle-aged and elderly human subjects. Brain Research, 2001, 906, 31-37.	1.1	16
57	From imitation to meaning: circuit plasticity and the acquisition of a conventionalized semantics. Frontiers in Human Neuroscience, 2014, 8, 605.	1.0	14
58	How did vocal behavior "take over" the gestural communication system?. Language and Cognition, 2013, 5, 167-176.	0.2	13
59	Contextual imitation of intransitive body actions in a Beluga whale (<i>Delphinapterus leucas</i>): A "do as other does" study. PLoS ONE, 2017, 12, e0178906.	1.1	13
60	Behavior, body types and the irreversibility of evolution. Acta Biotheoretica, 1990, 38, 91-101.	0.7	12
61	Altered Cervical Vestibular-Evoked Myogenic Potential in Children with Attention Deficit and Hyperactivity Disorder. Frontiers in Neurology, 2017, 8, 90.	1.1	12
62	An hypothesis on the early evolution of the development of the isocortex. Brain Research Bulletin, 2002, 57, 481-483.	1.4	10
63	Homology in Amniote Brain Evolution: The Rise of Molecular Evidence. Brain, Behavior and Evolution, 2018, 91, 59-64.	0.9	9
64	Lateral Prefrontal Theta Oscillations Reflect Proactive Cognitive Control Impairment in Males With Attention Deficit Hyperactivity Disorder. Frontiers in Systems Neuroscience, 2020, 14, 37.	1.2	9
65	Do discreteness and rivalry coexist in illusory motion reversals?. Vision Research, 2006, 46, 1155-1157.	0.7	7
66	Functional differences of low- and high-frequency oscillatory dynamics during illusory border perception. Brain Research, 2010, 1319, 92-102.	1.1	7
67	Phase synchronization of delta and theta oscillations increase during the detection of relevant lexical information. Frontiers in Psychology, 2013, 4, 308.	1.1	7
68	Intratask Variability As a Correlate for DRD4 and SLC6A3 Variants. Journal of Attention Disorders, 2015, 19, 987-996.	1.5	7
69	Morphological evolution of the vertebrate forebrain: From mechanical to cellular processes. Evolution & Development, 2019, 21, 330-341.	1.1	7
70	Parametric increases of working memory load unveil a decreased alpha oscillatory activity in schizophrenia. Schizophrenia Research, 2011, 131, 268-269.	1.1	6
71	Voluntary modulations of attention in a semantic auditory-visual matching task: an ERP study. Biological Research, 2008, 41, 453-60.	1.5	6
72	A sex difference in the postcentral sulcus of the human brain. Brain Research, 2001, 890, 330-332.	1.1	5

#	ARTICLE	IF	CITATIONS
73	Sharpening Occam's razor: Is there need for a hand-signing stage prior to vocal communication?. Behavioral and Brain Sciences, 2005, 28, 128-129.	0.4	5
74	Anatomy of corpus callosum in prenatally malnourished rats. Biological Research, 2012, 45, 87-92.	1.5	5
75	How ancient is the adult swimming capacity in the lineage leading to Euchordates?. Evolution & Development, 2005, 7, 171-174.	1.1	3
76	Síndrome de Déficit Atencional: antecedentes neurobiológicos y cognitivos para estudiar un modelo de endofenotipo. Revista Chilena De Neuro-Psiquiatria, 2005, 43, 11.	0.0	3
77	Differences in cortical processing of facial emotions in broader autism phenotype. PLoS ONE, 2022, 17, e0262004.	1.1	3
78	Balance en la cuerda floja: la neurobiología del trastorno por déficit atencional e hiperactividad. Revista Médica Clínica Las Condes, 2012, 23, 559-565.	0.2	2
79	A New Sign of Callosal Disconnection Syndrome: Agonistic Dyspraxia. A Case Study. Neurocase, 2002, 8, 480-483.	0.2	2
80	Faces and Voices Processing in Human and Primate Brains: Rhythmic and Multimodal Mechanisms Underlying the Evolution and Development of Speech. Frontiers in Psychology, 2022, 13, 829083.	1.1	2
81	An interdisciplinary approach to brain evolution: A long due debate. Behavioral and Brain Sciences, 2003, 26, 572-576.	0.4	1
82	Schizophrenia is a disease of general connectivity more than a specifically "social brain" network. Behavioral and Brain Sciences, 2004, 27, 856-856.	0.4	1
83	A developmental approach to homology and brain evolution. Revista Chilena De Historia Natural, 2010, 83, 469-477.	0.5	1
84	What is so informative about information?. Behavioral and Brain Sciences, 2007, 30, 371-372.	0.4	0