

Francisco Aboitiz

List of Publications by Year in descending order

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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	Differences in cortical processing of facial emotions in broader autism phenotype. PLoS ONE, 2022, 17, e0262004.	1.1	3
2	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
3	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
4	Morphological evolution of the vertebrate forebrain: From mechanical to cellular processes. Evolution & Development, 2019, 21, 330-341.	1.1	7
5	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
6	Beta oscillations precede joint attention and correlate with mentalization in typical development and autism. Cortex, 2019, 113, 210-228.	1.1	20
7	Sleep spindle activity in children with obstructive sleep apnea as a marker of neurocognitive performance: A pilot study. European Journal of Paediatric Neurology, 2018, 22, 434-439.	0.7	33
8	Homology in Amniote Brain Evolution: The Rise of Molecular Evidence. Brain, Behavior and Evolution, 2018, 91, 59-64.	0.9	9
9	Coordinated prefrontalâ€“hippocampal activity and navigation strategy-related prefrontal firing during spatial memory formation. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7123-7128.	3.3	50
10	Altered Cervical Vestibular-Evoked Myogenic Potential in Children with Attention Deficit and Hyperactivity Disorder. Frontiers in Neurology, 2017, 8, 90.	1.1	12
11	Contextual imitation of intransitive body actions in a Beluga whale (<i>Delphinapterus leucas</i>): A â€œdo as other doesâ€“study. PLoS ONE, 2017, 12, e0178906.	1.1	13
12	A subject-independent pattern-based Brain-Computer Interface. Frontiers in Behavioral Neuroscience, 2015, 9, 269.	1.0	39
13	Functional constraints in the evolution of brain circuits. Frontiers in Neuroscience, 2015, 9, 303.	1.4	28
14	Pallial patterning and the origin of the isocortex. Frontiers in Neuroscience, 2015, 9, 377.	1.4	38
15	Prenatal Stress Down-Regulates Reelin Expression by Methylation of Its Promoter and Induces Adult Behavioral Impairments in Rats. PLoS ONE, 2015, 10, e0117680.	1.1	57
16	Paradoxical Expectation: Oscillatory Brain Activity Reveals Social Interaction Impairment in Schizophrenia. Biological Psychiatry, 2015, 78, 421-431.	0.7	43
17	Intrask Variability As a Correlate for DRD4 and SLC6A3 Variants. Journal of Attention Disorders, 2015, 19, 987-996.	1.5	7
18	Temporal Constraints of Behavioral Inhibition: Relevance of Inter-stimulus Interval in a Go-Nogo Task. PLoS ONE, 2014, 9, e87232.	1.1	29

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19	Irrelevant stimulus processing in ADHD: catecholamine dynamics and attentional networks. <i>Frontiers in Psychology</i> , 2014, 5, 183.	1.1	47
20	From imitation to meaning: circuit plasticity and the acquisition of a conventionalized semantics. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 605.	1.0	14
21	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
22	Functional Cortical Network in Alpha Band Correlates with Social Bargaining. <i>PLoS ONE</i> , 2014, 9, e109829.	1.1	17
23	Exogenous orienting of visual-spatial attention in ADHD children. <i>Brain Research</i> , 2013, 1493, 68-79.	1.1	40
24	How did vocal behavior "take over" the gestural communication system?. <i>Language and Cognition</i> , 2013, 5, 167-176.	0.2	13
25	Phase synchronization of delta and theta oscillations increase during the detection of relevant lexical information. <i>Frontiers in Psychology</i> , 2013, 4, 308.	1.1	7
26	Neural progenitors, patterning and ecology in neocortical origins. <i>Frontiers in Neuroanatomy</i> , 2013, 7, 38.	0.9	33
27	N400 ERPs for actions: building meaning in context. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 57.	1.0	88
28	Social Cognition in Schizophrenia: From Social Stimuli Processing to Social Engagement. <i>Frontiers in Psychiatry</i> , 2013, 4, 4.	1.3	88
29	Balance en la cuerda floja: la neurobiología del trastorno por déficit atencional e hiperactividad. <i>Revista Médica Clínica Las Condes</i> , 2012, 23, 559-565.	0.2	2
30	Gestures, Vocalizations, and Memory in Language Origins. <i>Frontiers in Evolutionary Neuroscience</i> , 2012, 4, 2.	3.7	52
31	Anatomy of corpus callosum in prenatally malnourished rats. <i>Biological Research</i> , 2012, 45, 87-92.	1.5	5
32	From tetrapods to primates. <i>Progress in Brain Research</i> , 2012, 195, 3-24.	0.9	18
33	Parametric increases of working memory load unveil a decreased alpha oscillatory activity in schizophrenia. <i>Schizophrenia Research</i> , 2011, 131, 268-269.	1.1	6
34	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
35	Neural Mechanisms of Human Perceptual Learning: Electrophysiological Evidence for a Two-Stage Process. <i>PLoS ONE</i> , 2011, 6, e19221.	1.1	23
36	Functional differences of low- and high-frequency oscillatory dynamics during illusory border perception. <i>Brain Research</i> , 2010, 1319, 92-102.	1.1	7

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37	Effect of the environment on the dendritic morphology of the rat auditory cortex. <i>Synapse</i> , 2010, 64, 97-110.	0.6	96
38	A developmental approach to homology and brain evolution. <i>Revista Chilena De Historia Natural</i> , 2010, 83, 469-477.	0.5	1
39	The Phonological Loop. <i>Current Anthropology</i> , 2010, 51, S55-S65.	0.8	61
40	Molecular mechanisms underlying glutamatergic dysfunction in schizophrenia: therapeutic implications. <i>Journal of Neurochemistry</i> , 2009, 111, 891-900.	2.1	76
41	Chronic stress induces dendritic atrophy in the rat medial geniculate nucleus: Effects on auditory conditioning. <i>Behavioural Brain Research</i> , 2009, 203, 88-96.	1.2	18
42	Merging of Phonological and Gestural Circuits in Early Language Evolution. <i>Reviews in the Neurosciences</i> , 2009, 20, 71-84.	1.4	25
43	Voluntary modulations of attention in a semantic auditory-visual matching task: an ERP study. <i>Biological Research</i> , 2008, 41, 453-60.	1.5	6
44	Co-option of Signaling Mechanisms from Neural Induction to Telencephalic Patterning. <i>Reviews in the Neurosciences</i> , 2007, 18, 311-42.	1.4	22
45	The mesencephalon as a source of preattentive consciousness. <i>Behavioral and Brain Sciences</i> , 2007, 30, 81-82.	0.4	25
46	What is so informative about information?. <i>Behavioral and Brain Sciences</i> , 2007, 30, 371-372.	0.4	0
47	Status epilepticus induces region-specific changes in dendritic spines, dendritic length and TrkB protein content of rat brain cortex. <i>Brain Research</i> , 2007, 1150, 225-238.	1.1	24
48	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
49	Do discreteness and rivalry coexist in illusory motion reversals?. <i>Vision Research</i> , 2006, 46, 1155-1157.	0.7	7
50	Cortical memory mechanisms and language origins. <i>Brain and Language</i> , 2006, 98, 40-56.	0.8	130
51	Chronic stress induces upregulation of brain-derived neurotrophic factor (BDNF) mRNA and integrin $\beta 5$ expression in the rat pineal gland. <i>Brain Research</i> , 2006, 1086, 27-34.	1.1	20
52	How ancient is the adult swimming capacity in the lineage leading to Euchordates?. <i>Evolution & Development</i> , 2005, 7, 171-174.	1.1	3
53	Sharpening Occam's razor: Is there need for a hand-signing stage prior to vocal communication?. <i>Behavioral and Brain Sciences</i> , 2005, 28, 128-129.	0.4	5
54	SÃndrome de DÃ©ficit Atencional: antecedentes neurobiolÃ³gicos y cognitivos para estudiar un modelo de endofenotipo. <i>Revista Chilena De Neuro-Psiquiatría</i> , 2005, 43, 11.	0.0	3

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55	Ancestry of the Mammalian Preplate and its Derivatives: Evolutionary Relicts or Embryonic Adaptations?. <i>Reviews in the Neurosciences</i> , 2005, 16, 359-76.	1.4	27
56	Williams syndrome: Pediatric, neurologic, and cognitive development. <i>Pediatric Neurology</i> , 2005, 32, 166-172.	1.0	55
57	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
58	Schizophrenia is a disease of general connectivity more than a specifically "social brain" network. <i>Behavioral and Brain Sciences</i> , 2004, 27, 856-856.	0.4	1
59	Prelinguistic evolution and motherese: A hypothesis on the neural substrates. <i>Behavioral and Brain Sciences</i> , 2004, 27, 503-504.	0.4	48
60	Effect of Psychostimulants on Distinct Attentional Parameters in Attentional Deficit/Hyperactivity Disorder. <i>Biological Research</i> , 2004, 37, 461-8.	1.5	24
61	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
62	AChE-rich magnopyramidal neurons have a left-right size asymmetry in Broca's area. <i>Brain Research</i> , 2004, 1026, 313-316.	1.1	21
63	Dendritic morphology and orientation of pyramidal cells of the neocortex in two groups of early postnatal undernourished-rehabilitated rats. <i>Developmental Brain Research</i> , 2003, 142, 37-45.	2.1	22
64	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
65	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
66	An interdisciplinary approach to brain evolution: A long due debate. <i>Behavioral and Brain Sciences</i> , 2003, 26, 572-576.	0.4	1
67	An hypothesis on the early evolution of the development of the isocortex. <i>Brain Research Bulletin</i> , 2002, 57, 481-483.	1.4	10
68	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
69	A New Sign of Callosal Disconnection Syndrome: Agonistic Dyspraxia. A Case Study. <i>Neurocase</i> , 2002, 8, 480-483.	0.2	2
70	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
71	The inverted neurogenetic gradient of the mammalian isocortex: development and evolution. <i>Brain Research Reviews</i> , 2001, 38, 129-139.	9.1	46
72	What determines evolutionary brain growth?. <i>Behavioral and Brain Sciences</i> , 2001, 24, 278-279.	0.4	17

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73	A sex difference in the postcentral sulcus of the human brain. <i>Brain Research</i> , 2001, 890, 330-332.	1.1	5
74	Dendritic structure of single hippocampal neurons according to sex and hemisphere of origin in middle-aged and elderly human subjects. <i>Brain Research</i> , 2001, 906, 31-37.	1.1	16
75	Cross-Species and Intraspecies Morphometric Analysis of the Corpus Callosum. <i>Brain, Behavior and Evolution</i> , 2000, 55, 37-43.	0.9	33
76	To normalize or not to normalize for overall size?. <i>Behavioral and Brain Sciences</i> , 1998, 21, 327-328.	0.4	18
77	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
78	Age-related changes in fibre composition of the human corpus callosum. <i>NeuroReport</i> , 1996, 7, 1761-1764.	0.6	157
79	Does Bigger Mean Better? Evolutionary Determinants of Brain Size and Structure. <i>Brain, Behavior and Evolution</i> , 1996, 47, 225-245.	0.9	81
80	Fiber composition of the human corpus callosum. <i>Brain Research</i> , 1992, 598, 143-153.	1.1	1,286
81	Individual differences in brain asymmetries and fiber composition in the human corpus callosum. <i>Brain Research</i> , 1992, 598, 154-161.	1.1	183
82	Behavior, body types and the irreversibility of evolution. <i>Acta Biotheoretica</i> , 1990, 38, 91-101.	0.7	12
83	Homology: A comparative or a historical concept?. <i>Acta Biotheoretica</i> , 1988, 37, 27-29.	0.7	36
84	Epigenesis and the evolution of the human brain. <i>Medical Hypotheses</i> , 1988, 25, 55-59.	0.8	47