

Fernando A Barrios

List of Publications by Year in descending order

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Version: 2024-02-01

87
papers

1,765
citations

279778

23
h-index

315719

38
g-index

105
all docs

105
docs citations

105
times ranked

2664
citing authors

#	ARTICLE	IF	CITATIONS
1	Psychometric properties of the Emotion Regulation Questionnaire in a Mexican sample and their correlation with empathy and alexithymia. <i>Cogent Psychology</i> , 2022, 9, .	1.3	3
2	Greater Empathic Abilities and Resting State Brain Connectivity Differences in Psychotherapists Compared to Non-psychotherapists. <i>Neuroscience</i> , 2022, 492, 82-91.	2.3	4
3	Participation of visual association areas in social processing emerges when rTPJ is inhibited. <i>ENeurologicalSci</i> , 2022, 27, 100407.	1.3	0
4	Emotional faces interfere with saccadic inhibition and attention re-orientation: An fMRI study. <i>Neuropsychologia</i> , 2022, 173, 108300.	1.6	1
5	Development of the brain functional connectome follows puberty-dependent nonlinear trajectories. <i>NeuroImage</i> , 2021, 229, 117769.	4.2	38
6	Cortical Thickness Estimation: A Comparison of FreeSurfer and Three Voxel-Based Methods in a Test-Retest Analysis and a Clinical Application. <i>Brain Topography</i> , 2021, 34, 430-441.	1.8	12
7	The Time Varying Networks of the Interoceptive Attention and Rest. <i>ENeuro</i> , 2021, 8, ENEURO.0341-20.2021.	1.9	3
8	Brainhack: Developing a culture of open, inclusive, community-driven neuroscience. <i>Neuron</i> , 2021, 109, 1769-1775.	8.1	27
9	Personality Traits Induce Different Brain Patterns When Processing Social and Valence Information. <i>Frontiers in Psychology</i> , 2021, 12, 782754.	2.1	1
10	A novel voxel-based method to estimate cortical sulci width and its application to compare patients with Alzheimer's disease to controls. <i>NeuroImage</i> , 2020, 207, 116343.	4.2	5
11	The Role of Moderating Variables on BOLD fMRI Response During Semantic Verbal Fluency and Finger Tapping in Active and Educated Healthy Seniors. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 203.	2.0	6
12	Observation of environments with different restorative potential results in differences in eye patron movements and pupillary size. <i>IBRO Reports</i> , 2019, 7, 52-58.	0.3	14
13	The human amygdala disconnecting from auditory cortex preferentially discriminates musical sound of uncertain emotion by altering hemispheric weighting. <i>Scientific Reports</i> , 2019, 9, 14787.	3.3	3
14	Functional connectivity of music-induced analgesia in fibromyalgia. <i>Scientific Reports</i> , 2019, 9, 15486.	3.3	20
15	Uncertain Emotion Discrimination Differences Between Musicians and Non-musicians Is Determined by Fine Structure Association: Hilbert Transform Psychophysics. <i>Frontiers in Neuroscience</i> , 2019, 13, 902.	2.8	2
16	Sparse Sampling of Silence Type I Errors With an Emphasis on Primary Auditory Cortex. <i>Frontiers in Neuroscience</i> , 2019, 13, 516.	2.8	9
17	Early Stage Alterations in White Matter and Decreased Functional Interhemispheric Hippocampal Connectivity in the 3xTg Mouse Model of Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 39.	3.4	31
18	Simple Surgical Induction of Conductive Hearing Loss with Verification Using Otoscope Visualization and Behavioral Clap Startle Response in Rat. <i>Journal of Visualized Experiments</i> , 2019, .	0.3	2

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19	From State-to-Trait Meditation: Reconfiguration of Central Executive and Default Mode Networks. <i>ENeuro</i> , 2019, 6, ENEURO.0335-18.2019.	1.9	42
20	Hemispheric asymmetry and homotopy of resting state functional connectivity correlate with visuospatial abilities in school-age children. <i>NeuroImage</i> , 2018, 174, 441-448.	4.2	30
21	Neural correlates of the natural observation of an emotionally loaded video. <i>PLoS ONE</i> , 2018, 13, e0198731.	2.5	9
22	Effects of primatological training on anthropomorphic valuations of emotions. <i>IBRO Reports</i> , 2018, 5, 54-59.	0.3	0
23	The supramarginal and angular gyri underlie orthographic competence in Spanish language. <i>Brain and Language</i> , 2017, 175, 1-10.	1.6	4
24	Resting state functional connectivity of the anterior striatum and prefrontal cortex predicts reading performance in school-age children. <i>Brain and Language</i> , 2017, 174, 94-102.	1.6	22
25	Executive Mechanisms for Thinking about Negative Situations in Both Cooperative and Non-Cooperative Contexts. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 275.	2.0	5
26	Compensatory larger cortical thickness in healthy elderly individuals with electroencephalographic risk for cognitive decline. <i>NeuroReport</i> , 2016, 27, 710-715.	1.2	6
27	Ataxia Severity Correlates with White Matter Degeneration in Spinocerebellar Ataxia Type 7. <i>American Journal of Neuroradiology</i> , 2016, 37, 2050-2054.	2.4	10
28	A Preliminary Study of Sex Differences in Emotional Experience. <i>Psychological Reports</i> , 2016, 118, 337-352.	1.7	12
29	Brainhack: a collaborative workshop for the open neuroscience community. <i>GigaScience</i> , 2016, 5, 16.	6.4	34
30	Music reduces pain and increases resting state fMRI BOLD signal amplitude in the left angular gyrus in fibromyalgia patients. <i>Frontiers in Psychology</i> , 2015, 6, 1051.	2.1	60
31	Police culture influences the brain function underlying compassion: A gender study. <i>Social Neuroscience</i> , 2015, 10, 135-152.	1.3	15
32	Child overweight and obesity are associated with reduced executive cognitive performance and brain alterations: a magnetic resonance imaging study in Mexican children. <i>Pediatric Obesity</i> , 2015, 10, 196-204.	2.8	78
33	Subjective Somatosensory Experiences Disclosed by Focused Attention: Cortical-Hippocampal-Insular and Amygdala Contributions. <i>PLoS ONE</i> , 2014, 9, e104721.	2.5	21
34	Music reduces pain and increases functional mobility in fibromyalgia. <i>Frontiers in Psychology</i> , 2014, 5, 90.	2.1	68
35	Affective and Restorative Valences for Three Environmental Categories. <i>Perceptual and Motor Skills</i> , 2014, 119, 901-923.	1.3	16
36	Neural correlates of spatial working memory manipulation in a sequential Vernier discrimination task. <i>NeuroReport</i> , 2014, 25, 1418-1423.	1.2	5

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37	Sustained attention to spontaneous thumb sensations activates brain somatosensory and other proprioceptive areas. <i>Brain and Cognition</i> , 2014, 87, 86-96.	1.8	38
38	Music listening engages specific cortical regions within the temporal lobes: Differences between musicians and non-musicians. <i>Cortex</i> , 2014, 59, 126-137.	2.4	85
39	Brain activations evoked by tactile stimulation varies with the intensity and not with number of receptive fields stimulated: An fMRI study. , 2014, , .		0
40	Correlation between Corpus Callosum Sub-Segmental Area and Cognitive Processes in School-Age Children. <i>PLoS ONE</i> , 2014, 9, e104549.	2.5	13
41	Better branding: brand names can influence consumer choice. <i>Journal of Product and Brand Management</i> , 2013, 22, 300-308.	4.3	48
42	Exploration of neural correlates of restorative environment exposure through functional magnetic resonance. <i>Intelligent Buildings International</i> , 2013, 5, 10-28.	2.3	42
43	Disruption of visual and motor connectivity in spinocerebellar ataxia type 7. <i>Movement Disorders</i> , 2013, 28, 1708-1716.	3.9	35
44	Transcranial magnetic stimulation assisted by neuronavigation of magnetic resonance images. , 2012, , .		0
45	Brain Activity in ADHD Patients Performing the Counting Stroop Task: A Social Neuroscience Approach. <i>Psychological Reports</i> , 2012, 111, 652-668.	1.7	5
46	Hemispheric asymmetries of functional connectivity and grey matter volume in the default mode network. <i>Neuropsychologia</i> , 2012, 50, 1308-1315.	1.6	49
47	Gray and white matter alterations in spinocerebellar ataxia type 7: An in vivo DTI and VBM study. <i>NeuroImage</i> , 2011, 55, 1-7.	4.2	73
48	Perception of suffering and compassion experience: Brain gender disparities. <i>Brain and Cognition</i> , 2011, 76, 5-14.	1.8	106
49	Brain responses to food images during the early and late follicular phase of the menstrual cycle in healthy young women: relation to fasting and feeding. <i>American Journal of Clinical Nutrition</i> , 2011, 94, 377-384.	4.7	53
50	Unilateral right anterior capsulotomy for refractory major depression with comorbid obsessive-compulsive disorder. <i>Neurocase</i> , 2011, 17, 491-500.	0.6	15
51	Event-Related Functional Magnetic Resonance Images during the Perception of Phantom Limb. A Brushing Task. <i>Neuroradiology Journal</i> , 2010, 23, 665-670.	1.2	8
52	Abnormal Functioning of the Thalamocortical System Underlies the Conscious Awareness of the Phantom Limb Phenomenon. <i>Neuroradiology Journal</i> , 2010, 23, 671-679.	1.2	9
53	Differential alpha coherence hemispheric patterns in men and women during pleasant and unpleasant musical emotions. <i>International Journal of Psychophysiology</i> , 2009, 71, 43-49.	1.0	45
54	Olfaction and neurodegeneration in HD. <i>NeuroReport</i> , 2007, 18, 73-76.	1.2	70

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55	Metabolic and electric brain patterns during pleasant and unpleasant emotions induced by music masterpieces. <i>International Journal of Psychophysiology</i> , 2007, 65, 69-84.	1.0	98
56	Definition of Compassion-Evoking Images in a Mexican Sample. <i>Perceptual and Motor Skills</i> , 2007, 105, 661-676.	1.3	14
57	Comparison of different statistical analyses in visual stimulus fMRI. <i>Journal of Neuroradiology</i> , 2006, 33, 81-86.	1.1	0
58	Blackberry (<i>Rubus</i> spp.): a pH-dependent oral contrast medium for gastrointestinal tract images by magnetic resonance imaging. <i>Magnetic Resonance Imaging</i> , 2006, 24, 195-200.	1.8	13
59	Experimental development of a petal resonator surface coil. <i>Magnetic Resonance Imaging</i> , 2005, 23, 1027-1033.	1.8	7
60	Perinatal exposure to androgen suppresses sexual dimorphism in nerve trunk diameter, axon number, and fiber size spectrum: A quantitative ultrastructural study of the adult rat mammary nerve. <i>Brain Research</i> , 2005, 1060, 179-183.	2.2	2
61	Game Motivated and Constraint Induced Therapy in Late Stroke with fMRI Studies Pre and Post Therapy. , 2005, 2005, 3695-8.		7
62	8-Cavity Planar Coil for Magnetic Resonance Spectroscopy. <i>AIP Conference Proceedings</i> , 2003, , .	0.4	2
63	Familial Essential Tremor Studied With Functional Magnetic Resonance Imaging. <i>AIP Conference Proceedings</i> , 2003, , .	0.4	0
64	Ellipsoidal Coil for Magnetic Resonance Spectroscopy. <i>AIP Conference Proceedings</i> , 2003, , .	0.4	2
65	Adaptive robust filters in MRI. , 2002, 4684, 1028.		0
66	Petal resonator surface coil in spectroscopy by magnetic resonance. <i>AIP Conference Proceedings</i> , 2001, , .	0.4	1
67	Human brain somatic representation: a functional magnetic resonance mapping. <i>AIP Conference Proceedings</i> , 2001, , .	0.4	0
68	Mapping of motor and sensory activity in the human spinal cord with functional magnetic resonance imaging (fMRI). <i>AIP Conference Proceedings</i> , 2001, , .	0.4	0
69	<title>RBF network with cylindrical coordinate features for multispectral MRI segmentation</title>. , 2001, , .		5
70	Year 2000 status of MRI in Mexico. <i>Journal of Magnetic Resonance Imaging</i> , 2001, 13, 813-817.	3.4	1
71	<title>Three-dimensional MRI segmentation based on back-propagation neural network with robust supervised training</title>. , 2000, 3979, 817.		1
72	Brain somatic representation of phantom and intact limb: a fMRI study case report. <i>European Journal of Pain</i> , 2000, 4, 239-245.	2.8	23

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73	Virtual Brain Bank a public collection of classified head MRI. AIP Conference Proceedings, 2000, , .	0.4	0
74	<title>MRI segmentation based on region growing with robust estimation</title>. , 1999, , .		1
75	Acetylcholinesterase-positive innervation is present at undifferentiated stages of the sea turtle <i>Lepidochelis olivacea</i> embryo gonads: Implications for temperature-dependent sex determination. <i>Journal of Comparative Neurology</i> , 1999, 410, 90-98.	1.6	16
76	Inhibition of rat corneal angiogenesis by 16-kDa prolactin and by endogenous prolactin-like molecules. <i>Investigative Ophthalmology and Visual Science</i> , 1999, 40, 2498-505.	3.3	55
77	Comparable activity levels in developmentally deprived and non-deprived layer IV cortical columns of the adult rat primary somatosensory cortex. <i>Neuroscience Letters</i> , 1998, 247, 5-8.	2.1	1
78	Increased neural activity in transgenic mice with brain IGF-I overexpression. <i>NeuroReport</i> , 1997, 8, 2907-2911.	1.2	20
79	Brain mapping with functional MR imaging: comparison of gradient-echo-based exogenous and endogenous contrast techniques.. <i>Radiology</i> , 1995, 194, 687-691.	7.3	9
80	3-dimensional functional imaging of human brain using echo-shifted FLASH MRI. <i>Magnetic Resonance in Medicine</i> , 1994, 32, 150-155.	3.0	65
81	Functional brain MR imaging based on bolus tracking with a fast T2 ⁺ -sensitized gradient-echo method. <i>Magnetic Resonance Imaging</i> , 1994, 12, 379-385.	1.8	36
82	Measurement of Relative Cerebral Blood Volume Changes with Visual Stimulation by "Double-Dose"™ Gadopentetate-Dimeglumine-Enhanced Dynamic Magnetic Resonance Imaging. <i>Investigative Radiology</i> , 1994, 29, S157-S160.	6.2	13
83	Measurement of brain activity with bolus administration of contrast agent and gradient-echo MR imaging.. <i>Radiology</i> , 1993, 186, 353-356.	7.3	32
84	Is the top-quark mass insensitive to the ultraviolet dynamics of the Nambu model?. <i>Physical Review D</i> , 1991, 43, 284-287.	4.7	4
85	Stress-energy tensors for vector fields outside a static black hole. <i>Physical Review D</i> , 1989, 40, 1340-1343.	4.7	11
86	Folded crossed-ellipse coil for hand magnetic resonance imaging. , 0, , .		0
87	Petal resonator band coil. , 0, , .		0