

Fernanda Tovar Moll

List of Publications by Year in descending order

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Version: 2024-02-01

102
papers

5,679
citations

136950

32
h-index

85541

71
g-index

111
all docs

111
docs citations

111
times ranked

10284
citing authors

#	ARTICLE	IF	CITATIONS
1	Using neurofeedback to induce and explore brain plasticity. Trends in Neurosciences, 2022, 45, 415-416.	8.6	2
2	Evidence for similar structural brain anomalies in youth and adult attention-deficit/hyperactivity disorder: a machine learning analysis. Translational Psychiatry, 2021, 11, 82.	4.8	25
3	Characterizing neuroanatomic heterogeneity in people with and without ADHD based on subcortical brain volumes. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2021, 62, 1140-1149.	5.2	14
4	Analysis of structural brain asymmetries in attention-deficit/hyperactivity disorder in 39 datasets. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2021, 62, 1202-1219.	5.2	40
5	Corpus callosum dysgenesis causes novel patterns of structural and functional brain connectivity. Brain Communications, 2021, 3, fcab057.	3.3	8
6	Direct Interhemispheric Cortical Communication via Thalamic Commissures: A New White-Matter Pathway in the Rodent Brain. Cerebral Cortex, 2021, 31, 4642-4651.	2.9	9
7	Quantitative profiling of axonal guidance proteins during the differentiation of human neurospheres. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2021, 1869, 140656.	2.3	6
8	Cerebrospinal Fluid Neurotransmitters, Cytokines, and Chemokines in Alzheimer's and Lewy Body Diseases. Journal of Alzheimer's Disease, 2021, 82, 1067-1074.	2.6	13
9	Clinical and radiological features of severe acute respiratory syndrome coronavirus 2 meningoencephalitis. European Journal of Neurology, 2021, 28, 3530-3532.	3.3	4
10	Mild Cognitive Impairment or Attention-Deficit/Hyperactivity Disorder in Older Adults? A Cross Sectional Study. Frontiers in Psychiatry, 2021, 12, 737357.	2.6	9
11	Artificial intelligence: from the retina to the brain. Arquivos Brasileiros De Oftalmologia, 2021, 84, 197-198.	0.5	1
12	Myelination of Callosal Axons Is Hampered by Early and Late Forelimb Amputation in Rats. Cerebral Cortex Communications, 2021, 2, tgaa090.	1.6	2
13	Multilevel diffusion tensor imaging classification technique for characterizing neurobehavioral disorders. Brain Imaging and Behavior, 2020, 14, 641-652.	2.1	5
14	Dynamic Interhemispheric Desynchronization in Marmosets and Humans With Disorders of the Corpus Callosum. Frontiers in Neural Circuits, 2020, 14, 612595.	2.8	4
15	Long-distance aberrant heterotopic connectivity in a mouse strain with a high incidence of callosal anomalies. NeuroImage, 2020, 217, 116875.	4.2	8
16	Subcortical Brain Volume, Regional Cortical Thickness, and Cortical Surface Area Across Disorders: Findings From the ENIGMA ADHD, ASD, and OCD Working Groups. American Journal of Psychiatry, 2020, 177, 834-843.	7.2	120
17	Neurological outcomes of congenital Zika syndrome in toddlers and preschoolers: a case series. The Lancet Child and Adolescent Health, 2020, 4, 378-387.	5.6	37
18	The cyanobacterial saxitoxin exacerbates neural cell death and brain malformations induced by Zika virus. PLoS Neglected Tropical Diseases, 2020, 14, e0008060.	3.0	28

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19	Cerebrospinal fluid irisin correlates with amyloid β , BDNF, and cognition in Alzheimer's disease. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2020, 12, e12034.	2.4	32
20	Fractional Anisotropy changes in Parahippocampal Cingulum due to Alzheimer's Disease. <i>Scientific Reports</i> , 2020, 10, 2660.	3.3	37
21	Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) and the Central Nervous System. <i>Trends in Neurosciences</i> , 2020, 43, 355-357.	8.6	193
22	Postural Muscle Unit Plasticity in Stroke Survivors: Altered Distribution of Gastrocnemius' Action Potentials. <i>Frontiers in Neurology</i> , 2019, 10, 686.	2.4	6
23	An MRI Study of the Metabolic and Structural Abnormalities in Obsessive-Compulsive Disorder. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 186.	2.0	25
24	Inter-method and anatomical correlates of episodic memory tests in the Alzheimer's Disease spectrum. <i>PLoS ONE</i> , 2019, 14, e0223731.	2.5	11
25	Brain Imaging of the Cortex in ADHD: A Coordinated Analysis of Large-Scale Clinical and Population-Based Samples. <i>American Journal of Psychiatry</i> , 2019, 176, 531-542.	7.2	261
26	Structural and functional connectivity changes in response to short-term neurofeedback training with motor imagery. <i>NeuroImage</i> , 2019, 194, 283-290.	4.2	52
27	Computational fluid dynamic analysis of physical forces playing a role in brain organoid cultures in two different multiplex platforms. <i>BMC Developmental Biology</i> , 2019, 19, 3.	2.1	31
28	Cortical lateralization of cheirosensory processing in callosal dysgenesis. <i>NeuroImage: Clinical</i> , 2019, 23, 101808.	2.7	2
29	Lower limb amputees undergo long-distance plasticity in sensorimotor functional connectivity. <i>Scientific Reports</i> , 2019, 9, 2518.	3.3	33
30	Superparamagnetic iron oxide nanoparticles as a tool to track mouse neural stem cells in vivo. <i>Molecular Biology Reports</i> , 2019, 46, 191-198.	2.3	14
31	Exercise-linked FNDC5/irisin rescues synaptic plasticity and memory defects in Alzheimer's models. <i>Nature Medicine</i> , 2019, 25, 165-175.	30.7	511
32	Terminal Arbors of Callosal Axons Undergo Plastic Changes in Early-Amputated Rats. <i>Cerebral Cortex</i> , 2019, 29, 1460-1472.	2.9	5
33	Narrative impairment, white matter damage and CSF biomarkers in the Alzheimer's disease spectrum. <i>Aging</i> , 2019, 11, 9188-9208.	3.1	10
34	Imaging findings in congenital Zika virus infection syndrome: an update. <i>Child's Nervous System</i> , 2018, 34, 85-93.	1.1	22
35	White Matter Microstructure in Illiterate and Low-Literate Elderly Brazilians: Preliminary Findings. <i>Cognitive and Behavioral Neurology</i> , 2018, 31, 193-200.	0.9	9
36	AN INTERIM ANALYSIS OF A DOUBLE-BLIND SHAM-CONTROLLED STUDY ON THE ACUTE EFFECTS OF TRANSCRANIAL DIRECT CURRENT STIMULATION IN OBSESSIVE-COMPULSIVE DISORDER. <i>European Neuropsychopharmacology</i> , 2018, 28, 761-762.	0.7	0

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37	Zika virus impairs the development of blood vessels in a mouse model of congenital infection. <i>Scientific Reports</i> , 2018, 8, 12774.	3.3	49
38	Subcortical brain volume differences in participants with attention deficit hyperactivity disorder in children and adults: a cross-sectional mega-analysis. <i>Lancet Psychiatry</i> , 2017, 4, 310-319.	7.4	565
39	The spectrum of neuropathological changes associated with congenital Zika virus infection. <i>Acta Neuropathologica</i> , 2017, 133, 983-999.	7.7	155
40	Congenital Brain Abnormalities and Zika Virus. <i>Radiology</i> , 2017, 282, 302-303.	7.3	0
41	First report of persistent dengue-1-associated autoimmune neurological disturbance: neuromyelitis optica spectrum disorder. <i>Journal of NeuroVirology</i> , 2017, 23, 768-771.	2.1	9
42	Brain Maturation, Cognition and Voice Pattern in a Gender Dysphoria Case under Pubertal Suppression. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 528.	2.0	32
43	Ensemble Classification of Alzheimer's Disease and Mild Cognitive Impairment Based on Complex Graph Measures from Diffusion Tensor Images. <i>Frontiers in Neuroscience</i> , 2017, 11, 56.	2.8	52
44	Experimental Diabetes Alters the Morphology and Nano-Structure of the Achilles Tendon. <i>PLoS ONE</i> , 2017, 12, e0169513.	2.5	14
45	Integrity of white matter structure is related to episodic memory performance in the low-educated elderly. <i>Arquivos De Neuro-Psiquiatria</i> , 2017, 75, 778-784.	0.8	6
46	The emerging radiological features of Zika virus infection. <i>Radiologia Brasileira</i> , 2017, 50, VII-VIII.	0.7	3
47	Right hemisphere dominance for language in a woman with schizophrenia and a porencephalic cyst of the left hemisphere. <i>Neurocase</i> , 2016, 22, 324-331.	0.6	2
48	The various forms of neuroplasticity: Biological bases of learning and teaching. <i>Prospects</i> , 2016, 46, 199-213.	2.3	10
49	Zika Virus Causing Encephalomyelitis Associated With Immunoactivation. <i>Open Forum Infectious Diseases</i> , 2016, 3, ofw203.	0.9	31
50	Congenital Zika Virus Infection. <i>JAMA Neurology</i> , 2016, 73, 1407.	9.0	334
51	Congenital Brain Abnormalities and Zika Virus: What the Radiologist Can Expect to See Prenatally and Postnatally. <i>Radiology</i> , 2016, 281, 203-218.	7.3	231
52	Intraspinal bone-marrow cell therapy at pre- and symptomatic phases in a mouse model of amyotrophic lateral sclerosis. <i>Stem Cell Research and Therapy</i> , 2016, 7, 41.	5.5	22
53	Phosphodiesterase-5 inhibition promotes remyelination by MCP-1/CCR-2 and MMP-9 regulation in a cuprizone-induced demyelination model. <i>Experimental Neurology</i> , 2016, 275, 143-153.	4.1	24
54	Broca's Aphemia: The Tortuous Story of a Nonaphasic Nonparalytic Disorder of Speech. <i>Journal of the History of the Neurosciences</i> , 2016, 25, 142-168.	0.9	6

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55	Electrophysiological Correlates of Morphological Neuroplasticity in Human Callosal Dysgenesis. PLoS ONE, 2016, 11, e0152668.	2.5	13
56	Deficits in narrative discourse elicited by visual stimuli are already present in patients with mild cognitive impairment. Frontiers in Aging Neuroscience, 2015, 7, 96.	3.4	92
57	Enhancing Motor Network Activity Using Real-Time Functional MRI Neurofeedback of Left Premotor Cortex. Frontiers in Behavioral Neuroscience, 2015, 9, 341.	2.0	69
58	Mitomycin-treated undifferentiated embryonic stem cells as a safe and effective therapeutic strategy in a mouse model of Parkinson's disease. Frontiers in Cellular Neuroscience, 2015, 9, 97.	3.7	39
59	How can development and plasticity contribute to understanding evolution of the human brain?. Frontiers in Human Neuroscience, 2015, 9, 208.	2.0	5
60	Knockout of Toll-Like Receptors 2 and 4 Prevents Renal Ischemia-Reperfusion-Induced Cardiac Hypertrophy in Mice. PLoS ONE, 2015, 10, e0139350.	2.5	41
61	Increase in Short-Interval Intracortical Facilitation of the Motor Cortex after Low-Frequency Repetitive Magnetic Stimulation of the Unaffected Hemisphere in the Subacute Phase after Stroke. Neural Plasticity, 2015, 2015, 1-7.	2.2	21
62	Electroconvulsive Therapy in Obsessive-Compulsive Disorder: A Chart Review and Evaluation of Its Potential Therapeutic Effects. Journal of Neuropsychiatry and Clinical Neurosciences, 2015, 27, 65-68.	1.8	5
63	Recruitment of Contralateral Supplementary Motor Area in Functional Recovery Following Medial Frontal Lobe Surgery: An fMRI Case Study. Journal of Neurological Surgery, Part A: Central European Neurosurgery, 2015, 76, 508-512.	0.8	32
64	Immediate story recall in elderly individuals with memory complaints: how much does it contribute to memory assessment?. International Psychogeriatrics, 2015, 27, 1679-1686.	1.0	12
65	Diffuse and Focal Corticospinal Tract Disease and Its Impact on Patient Disability in Multiple Sclerosis. Journal of Neuroimaging, 2015, 25, 200-206.	2.0	26
66	Abnormal Striatal BOLD Responses to Reward Anticipation and Reward Delivery in ADHD. PLoS ONE, 2014, 9, e89129.	2.5	72
67	Cellular scaling rules for the brain of afrotherians. Frontiers in Neuroanatomy, 2014, 8, 5.	1.7	38
68	The orthotopic xenotransplant of human glioblastoma successfully recapitulates glioblastoma-microenvironment interactions in a non-immunosuppressed mouse model. BMC Cancer, 2014, 14, 923.	2.6	31
69	Structural and functional brain rewiring clarifies preserved interhemispheric transfer in humans born without the corpus callosum. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7843-7848.	7.1	100
70	Sustained effect of bone marrow mononuclear cell therapy in axonal regeneration in a model of optic nerve crush. Brain Research, 2014, 1587, 54-68.	2.2	26
71	Functional dissociation of ventral frontal and dorsomedial default mode network components during resting state and emotional autobiographical recall. Human Brain Mapping, 2014, 35, 3302-3313.	3.6	44
72	White Matter Tract Damage in the Behavioral Variant of Frontotemporal and Corticobasal Dementia Syndromes. PLoS ONE, 2014, 9, e102656.	2.5	26

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73	Distribution of Mesenchymal Stem Cells and Effects on Neuronal Survival and Axon Regeneration after Optic Nerve Crush and Cell Therapy. PLoS ONE, 2014, 9, e110722.	2.5	84
74	Evolution of tumefactive lesions in multiple sclerosis: A 12-year study with serial imaging in a single patient. Multiple Sclerosis Journal, 2013, 19, 1539-1543.	3.0	5
75	Comparison of human brain metabolite levels using 1H MRS at 1.5T and 3.0T. Dementia E Neuropsychologia, 2013, 7, 216-220.	0.8	3
76	Is it possible to identify individuals with mild cognitive impairment and Alzheimer's disease using a 30-minute neuropsychological battery?. Revista De Psiquiatria Clinica, 2013, 40, 139-143.	0.6	4
77	Real-Time fMRI Pattern Decoding and Neurofeedback Using FRIEND: An FSL-Integrated BCI Toolbox. PLoS ONE, 2013, 8, e81658.	2.5	32
78	Delayed-Onset Post-Stroke Delusional Disorder: A Case Report. Behavioural Neurology, 2013, 27, 287-291.	2.1	11
79	Equinatoxin II Potentiates Temozolomide- and Etoposide-Induced Glioblastoma Cell Death. Current Topics in Medicinal Chemistry, 2013, 12, 2082-2093.	2.1	1
80	Delayed-onset post-stroke delusional disorder: a case report. Behavioural Neurology, 2013, 27, 287-91.	2.1	4
81	The Unbearable Lightness of the Extrapyramidal System. Journal of the History of the Neurosciences, 2012, 21, 280-292.	0.9	12
82	Equinatoxin II Potentiates Temozolomide- and Etoposide-Induced Glioblastoma Cell Death. Current Topics in Medicinal Chemistry, 2012, 12, 2082-2093.	2.1	22
83	A Neural Signature of Affiliative Emotion in the Human Septohypothalamic Area. Journal of Neuroscience, 2012, 32, 12499-12505.	3.6	65
84	Impaired functional but preserved structural connectivity in limbic white matter tracts in youth with conduct disorder or oppositional defiant disorder plus psychopathic traits. Psychiatry Research - Neuroimaging, 2012, 202, 239-244.	1.8	87
85	Functional Expansion of Sensorimotor Representation and Structural Reorganization of Callosal Connections in Lower Limb Amputees. Journal of Neuroscience, 2012, 32, 3211-3220.	3.6	111
86	Contribution of ^1H Spectroscopy to a Brief Cognitive-Functional Test Battery for the Diagnosis of Mild Alzheimer's Disease. Dementia and Geriatric Cognitive Disorders, 2011, 32, 351-361.	1.5	12
87	Identification of psychopathic individuals using pattern classification of MRI images. Social Neuroscience, 2011, 6, 627-639.	1.3	40
88	White Matter Changes in OCD Revealed by Diffusion Tensor Imaging. CNS Spectrums, 2011, 16, 101-109.	1.2	29
89	White matter alterations differ in primary lateral sclerosis and amyotrophic lateral sclerosis. Brain, 2011, 134, 2642-2655.	7.6	108
90	Developmental frontal lobe imaging in moral judgment: Arthur Benton's enduring influence 60 years later. Journal of Clinical and Experimental Neuropsychology, 2009, 31, 158-169.	1.3	29

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91	Thalamic Involvement and Its Impact on Clinical Disability in Patients with Multiple Sclerosis: A Diffusion Tensor Imaging Study at 3T. <i>American Journal of Neuroradiology</i> , 2009, 30, 1380-1386.	2.4	77
92	Tissue-Specific Imaging Is a Robust Methodology to Differentiate In Vivo T1 Black Holes with Advanced Multiple Sclerosis-Induced Damage. <i>American Journal of Neuroradiology</i> , 2009, 30, 1394-1401.	2.4	29
93	Reduction by 98% in Uterine Myoma Volume Associated with Significant Symptom Relief After Peripheral Treatment with Magnetic Resonance Imaging-Guided Focused Ultrasound Surgery. <i>Journal of Minimally Invasive Gynecology</i> , 2009, 16, 501-503.	0.6	10
94	Psychopathy as a disorder of the moral brain: Fronto-temporo-limbic grey matter reductions demonstrated by voxel-based morphometry. <i>NeuroImage</i> , 2008, 40, 1202-1213.	4.2	233
95	Focal white matter changes in spasmodic dysphonia: a combined diffusion tensor imaging and neuropathological study. <i>Brain</i> , 2008, 131, 447-459.	7.6	118
96	The human pyramidal syndrome Redux. <i>NeuroReport</i> , 2007, 18, 1417-1421.	1.2	4
97	Neuroplasticity in Human Callosal Dysgenesis: A Diffusion Tensor Imaging Study. <i>Cerebral Cortex</i> , 2006, 17, 531-541.	2.9	126
98	In vivo detection of cortical plaques by MR imaging in patients with multiple sclerosis. <i>American Journal of Neuroradiology</i> , 2006, 27, 2161-7.	2.4	58
99	The Moral Affiliations of Disgust. <i>Cognitive and Behavioral Neurology</i> , 2005, 18, 68-78.	0.9	292
100	The cerebral correlates of set-shifting: an fMRI study of the trail making test. <i>Arquivos De Neuro-Psiquiatria</i> , 2002, 60, 900-905.	0.8	202
101	Executive Amnesia in a Patient with Pre-frontal Damage due to a Gunshot Wound. <i>Neurocase</i> , 2001, 7, 383-389.	0.6	8
102	Compartmental distribution of sulfated glycosaminoglycans in lateral and medial midbrain astroglial cultures. , 1996, 17, 339-344.		28