

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	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
2	Exercise-linked FND5/irisin rescues synaptic plasticity and memory defects in Alzheimer's models. <i>Nature Medicine</i> , 2019, 25, 165-175.	30.7	511
3	Congenital Zika Virus Infection. <i>JAMA Neurology</i> , 2016, 73, 1407.	9.0	334
4	The Moral Affiliations of Disgust. <i>Cognitive and Behavioral Neurology</i> , 2005, 18, 68-78.	0.9	292
5	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
6	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
7	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
8	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
9	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
10	The spectrum of neuropathological changes associated with congenital Zika virus infection. <i>Acta Neuropathologica</i> , 2017, 133, 983-999.	7.7	155
11	Neuroplasticity in Human Callosal Dysgenesis: A Diffusion Tensor Imaging Study. <i>Cerebral Cortex</i> , 2006, 17, 531-541.	2.9	126
12	Subcortical Brain Volume, Regional Cortical Thickness, and Cortical Surface Area Across Disorders: Findings From the ENIGMA ADHD, ASD, and OCD Working Groups. <i>American Journal of Psychiatry</i> , 2020, 177, 834-843.	7.2	120
13	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
14	Functional Expansion of Sensorimotor Representation and Structural Reorganization of Callosal Connections in Lower Limb Amputees. <i>Journal of Neuroscience</i> , 2012, 32, 3211-3220.	3.6	111
15	White matter alterations differ in primary lateral sclerosis and amyotrophic lateral sclerosis. <i>Brain</i> , 2011, 134, 2642-2655.	7.6	108
16	Structural and functional brain rewiring clarifies preserved interhemispheric transfer in humans born without the corpus callosum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 7843-7848.	7.1	100
17	Deficits in narrative discourse elicited by visual stimuli are already present in patients with mild cognitive impairment. <i>Frontiers in Aging Neuroscience</i> , 2015, 7, 96.	3.4	92
18	Impaired functional but preserved structural connectivity in limbic white matter tracts in youth with conduct disorder or oppositional defiant disorder plus psychopathic traits. <i>Psychiatry Research - Neuroimaging</i> , 2012, 202, 239-244.	1.8	87

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19	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
20	Thalamic Involvement and Its Impact on Clinical Disability in Patients with Multiple Sclerosis: A Diffusion Tensor Imaging Study at 3T. American Journal of Neuroradiology, 2009, 30, 1380-1386.	2.4	77
21	Abnormal Striatal BOLD Responses to Reward Anticipation and Reward Delivery in ADHD. PLoS ONE, 2014, 9, e89129.	2.5	72
22	Enhancing Motor Network Activity Using Real-Time Functional MRI Neurofeedback of Left Premotor Cortex. Frontiers in Behavioral Neuroscience, 2015, 9, 341.	2.0	69
23	A Neural Signature of Affiliative Emotion in the Human Septohypothalamic Area. Journal of Neuroscience, 2012, 32, 12499-12505.	3.6	65
24	In vivo detection of cortical plaques by MR imaging in patients with multiple sclerosis. American Journal of Neuroradiology, 2006, 27, 2161-7.	2.4	58
25	Ensemble Classification of Alzheimer's Disease and Mild Cognitive Impairment Based on Complex Graph Measures from Diffusion Tensor Images. Frontiers in Neuroscience, 2017, 11, 56.	2.8	52
26	Structural and functional connectivity changes in response to short-term neurofeedback training with motor imagery. NeuroImage, 2019, 194, 283-290.	4.2	52
27	Zika virus impairs the development of blood vessels in a mouse model of congenital infection. Scientific Reports, 2018, 8, 12774.	3.3	49
28	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
29	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
30	Identification of psychopathic individuals using pattern classification of MRI images. Social Neuroscience, 2011, 6, 627-639.	1.3	40
31	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
32	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
33	Cellular scaling rules for the brain of afrotherians. Frontiers in Neuroanatomy, 2014, 8, 5.	1.7	38
34	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
35	Fractional Anisotropy changes in Parahippocampal Cingulum due to Alzheimer's Disease. Scientific Reports, 2020, 10, 2660.	3.3	37
36	Lower limb amputees undergo long-distance plasticity in sensorimotor functional connectivity. Scientific Reports, 2019, 9, 2518.	3.3	33

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37	Real-Time fMRI Pattern Decoding and Neurofeedback Using FRIEND: An FSL-Integrated BCI Toolbox. PLoS ONE, 2013, 8, e81658.	2.5	32
38	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
39	Brain Maturation, Cognition and Voice Pattern in a Gender Dysphoria Case under Pubertal Suppression. Frontiers in Human Neuroscience, 2017, 11, 528.	2.0	32
40	Cerebrospinal fluid irisin correlates with amyloid β , BDNF, and cognition in Alzheimer's disease. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2020, 12, e12034.	2.4	32
41	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
42	Zika Virus Causing Encephalomyelitis Associated With Immunoactivation. Open Forum Infectious Diseases, 2016, 3, ofw203.	0.9	31
43	Computational fluid dynamic analysis of physical forces playing a role in brain organoid cultures in two different multiplex platforms. BMC Developmental Biology, 2019, 19, 3.	2.1	31
44	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
45	Tissue-Specific Imaging Is a Robust Methodology to Differentiate In Vivo T1 Black Holes with Advanced Multiple Sclerosis-Induced Damage. American Journal of Neuroradiology, 2009, 30, 1394-1401.	2.4	29
46	White Matter Changes in OCD Revealed by Diffusion Tensor Imaging. CNS Spectrums, 2011, 16, 101-109.	1.2	29
47	Compartmental distribution of sulfated glycosaminoglycans in lateral and medial midbrain astroglial cultures. , 1996, 17, 339-344.		28
48	The cyanobacterial saxitoxin exacerbates neural cell death and brain malformations induced by Zika virus. PLoS Neglected Tropical Diseases, 2020, 14, e0008060.	3.0	28
49	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
50	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
51	White Matter Tract Damage in the Behavioral Variant of Frontotemporal and Corticobasal Dementia Syndromes. PLoS ONE, 2014, 9, e102656.	2.5	26
52	An MRI Study of the Metabolic and Structural Abnormalities in Obsessive-Compulsive Disorder. Frontiers in Human Neuroscience, 2019, 13, 186.	2.0	25
53	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
54	Phosphodiesterase-5 inhibition promotes remyelination by MCP-1/CCR-2 and MMP-9 regulation in a cuprizone-induced demyelination model. Experimental Neurology, 2016, 275, 143-153.	4.1	24

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55	Equinatoxin II Potentiates Temozolomide- and Etoposide-Induced Glioblastoma Cell Death. <i>Current Topics in Medicinal Chemistry</i> , 2012, 12, 2082-2093.	2.1	22
56	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
57	Imaging findings in congenital Zika virus infection syndrome: an update. <i>Child's Nervous System</i> , 2018, 34, 85-93.	1.1	22
58	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. <i>Neural Plasticity</i> , 2015, 2015, 1-7.	2.2	21
59	Experimental Diabetes Alters the Morphology and Nano-Structure of the Achilles Tendon. <i>PLoS ONE</i> , 2017, 12, e0169513.	2.5	14
60	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
61	Characterizing neuroanatomic heterogeneity in people with and without ADHD based on subcortical brain volumes. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2021, 62, 1140-1149.	5.2	14
62	Cerebrospinal Fluid Neurotransmitters, Cytokines, and Chemokines in Alzheimer's and Lewy Body Diseases. <i>Journal of Alzheimer's Disease</i> , 2021, 82, 1067-1074.	2.6	13
63	Electrophysiological Correlates of Morphological Neuroplasticity in Human Callosal Dysgenesis. <i>PLoS ONE</i> , 2016, 11, e0152668.	2.5	13
64	Contribution of ^1H Spectroscopy to a Brief Cognitive-Functional Test Battery for the Diagnosis of Mild Alzheimer's Disease. <i>Dementia and Geriatric Cognitive Disorders</i> , 2011, 32, 351-361.	1.5	12
65	The Unbearable Lightness of the Extrapyramidal System. <i>Journal of the History of the Neurosciences</i> , 2012, 21, 280-292.	0.9	12
66	Immediate story recall in elderly individuals with memory complaints: how much does it contribute to memory assessment?. <i>International Psychogeriatrics</i> , 2015, 27, 1679-1686.	1.0	12
67	Delayed-Onset Post-Stroke Delusional Disorder: A Case Report. <i>Behavioural Neurology</i> , 2013, 27, 287-291.	2.1	11
68	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
69	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
70	The various forms of neuroplasticity: Biological bases of learning and teaching. <i>Prospects</i> , 2016, 46, 199-213.	2.3	10
71	Narrative impairment, white matter damage and CSF biomarkers in the Alzheimer's disease spectrum. <i>Aging</i> , 2019, 11, 9188-9208.	3.1	10
72	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

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73	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
74	Direct Interhemispheric Cortical Communication via Thalamic Commissures: A New White-Matter Pathway in the Rodent Brain. <i>Cerebral Cortex</i> , 2021, 31, 4642-4651.	2.9	9
75	Mild Cognitive Impairment or Attention-Deficit/Hyperactivity Disorder in Older Adults? A Cross Sectional Study. <i>Frontiers in Psychiatry</i> , 2021, 12, 737357.	2.6	9
76	Executive Amnesia in a Patient with Pre-frontal Damage due to a Gunshot Wound. <i>Neurocase</i> , 2001, 7, 383-389.	0.6	8
77	Long-distance aberrant heterotopic connectivity in a mouse strain with a high incidence of callosal anomalies. <i>NeuroImage</i> , 2020, 217, 116875.	4.2	8
78	Corpus callosum dysgenesis causes novel patterns of structural and functional brain connectivity. <i>Brain Communications</i> , 2021, 3, fcab057.	3.3	8
79	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
80	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
81	Postural Muscle Unit Plasticity in Stroke Survivors: Altered Distribution of Gastrocnemius' Action Potentials. <i>Frontiers in Neurology</i> , 2019, 10, 686.	2.4	6
82	Quantitative profiling of axonal guidance proteins during the differentiation of human neurospheres. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2021, 1869, 140656.	2.3	6
83	Evolution of tumefactive lesions in multiple sclerosis: A 12-year study with serial imaging in a single patient. <i>Multiple Sclerosis Journal</i> , 2013, 19, 1539-1543.	3.0	5
84	How can development and plasticity contribute to understanding evolution of the human brain?. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 208.	2.0	5
85	Electroconvulsive Therapy in Obsessive-Compulsive Disorder: A Chart Review and Evaluation of Its Potential Therapeutic Effects. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , 2015, 27, 65-68.	1.8	5
86	Terminal Arbors of Callosal Axons Undergo Plastic Changes in Early-Amputated Rats. <i>Cerebral Cortex</i> , 2019, 29, 1460-1472.	2.9	5
87	Multilevel diffusion tensor imaging classification technique for characterizing neurobehavioral disorders. <i>Brain Imaging and Behavior</i> , 2020, 14, 641-652.	2.1	5
88	The human pyramidal syndrome Redux. <i>NeuroReport</i> , 2007, 18, 1417-1421.	1.2	4
89	Is it possible to identify individuals with mild cognitive impairment and Alzheimer's disease using a 30-minute neuropsychological battery?. <i>Revista De Psiquiatria Clinica</i> , 2013, 40, 139-143.	0.6	4
90	Dynamic Interhemispheric Desynchronization in Marmosets and Humans With Disorders of the Corpus Callosum. <i>Frontiers in Neural Circuits</i> , 2020, 14, 612595.	2.8	4

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91	Clinical and radiological features of severe acute respiratory syndrome coronavirus 2 meningoencephalitis. <i>European Journal of Neurology</i> , 2021, 28, 3530-3532.	3.3	4
92	Delayed-onset post-stroke delusional disorder: a case report. <i>Behavioural Neurology</i> , 2013, 27, 287-91.	2.1	4
93	Comparison of human brain metabolite levels using 1H MRS at 1.5T and 3.0T. <i>Dementia E Neuropsychologia</i> , 2013, 7, 216-220.	0.8	3
94	The emerging radiological features of Zika virus infection. <i>Radiologia Brasileira</i> , 2017, 50, VII-VIII.	0.7	3
95	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
96	Cortical lateralization of cheirosensory processing in callosal dysgenesis. <i>NeuroImage: Clinical</i> , 2019, 23, 101808.	2.7	2
97	Myelination of Callosal Axons Is Hampered by Early and Late Forelimb Amputation in Rats. <i>Cerebral Cortex Communications</i> , 2021, 2, tgaa090.	1.6	2
98	Using neurofeedback to induce and explore brain plasticity. <i>Trends in Neurosciences</i> , 2022, 45, 415-416.	8.6	2
99	Artificial intelligence: from the retina to the brain. <i>Arquivos Brasileiros De Oftalmologia</i> , 2021, 84, 197-198.	0.5	1
100	Equinatoxin II Potentiates Temozolomide- and Etoposide-Induced Glioblastoma Cell Death. <i>Current Topics in Medicinal Chemistry</i> , 2013, 12, 2082-2093.	2.1	1
101	Congenital Brain Abnormalities and Zika Virus. <i>Radiology</i> , 2017, 282, 302-303.	7.3	0
102	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