

# Emma Muñoz-Moreno

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

968  
citations

471509

17  
h-index

454955

30  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1611  
citing authors

#	ARTICLE	IF	CITATIONS
1	Food craving-like episodes during pregnancy are mediated by accumbal dopaminergic circuits. <i>Nature Metabolism</i> , 2022, 4, 424-434.	11.9	13
2	Brain connectivity during Alzheimer's disease progression and its cognitive impact in a transgenic rat model. <i>Network Neuroscience</i> , 2020, 4, 397-415.	2.6	12
3	M2 cortex-dorsolateral striatum stimulation reverses motor symptoms and synaptic deficits in Huntington's disease. <i>ELife</i> , 2020, 9, .	6.0	25
4	Resting State Networks in the TgF344-AD Rat Model of Alzheimer's Disease Are Altered From Early Stages. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 213.	3.4	16
5	Early Environmental Enrichment Enhances Abnormal Brain Connectivity in a Rabbit Model of Intrauterine Growth Restriction. <i>Fetal Diagnosis and Therapy</i> , 2018, 44, 184-193.	1.4	15
6	Early brain connectivity alterations and cognitive impairment in a rat model of Alzheimer's disease. <i>Alzheimer's Research and Therapy</i> , 2018, 10, 16.	6.2	57
7	1H Spectroscopic Imaging of the Rodent Brain. <i>Methods in Molecular Biology</i> , 2018, 1718, 189-202.	0.9	0
8	Neurodevelopmental Effects of Undernutrition and Placental Underperfusion in Fetal Growth Restriction Rabbit Models. <i>Fetal Diagnosis and Therapy</i> , 2017, 42, 189-197.	1.4	15
9	Toward the automatic quantification of in utero brain development in 3D structural MRI: A review. <i>Human Brain Mapping</i> , 2017, 38, 2772-2787.	3.6	30
10	Brain metabolite alterations in infants born preterm with intrauterine growth restriction: association with structural changes and neurodevelopmental outcome. <i>American Journal of Obstetrics and Gynecology</i> , 2017, 216, 62.e1-62.e14.	1.3	22
11	Whole heart detailed and quantitative anatomy, myofibre structure and vasculature from X-ray phase-contrast synchrotron radiation-based micro computed tomography. <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 732-741.	1.2	50
12	Effects of Orientation and Anisometry of Magnetic Resonance Imaging Acquisitions on Diffusion Tensor Imaging and Structural Connectomes. <i>PLoS ONE</i> , 2017, 12, e0170703.	2.5	6
13	Structural Brain Network Reorganization and Social Cognition Related to Adverse Perinatal Condition from Infancy to Early Adolescence. <i>Frontiers in Neuroscience</i> , 2016, 10, 560.	2.8	32
14	Brain network characterization of high-risk preterm-born school-age children. <i>NeuroImage: Clinical</i> , 2016, 11, 195-209.	2.7	55
15	Altered resting-state whole-brain functional networks of neonates with intrauterine growth restriction. <i>Cortex</i> , 2016, 77, 119-131.	2.4	19
16	Motor and cortico-striatal-thalamic connectivity alterations in intrauterine growth restriction. <i>American Journal of Obstetrics and Gynecology</i> , 2016, 214, 725.e1-725.e9.	1.3	30
17	Feasibility and technical features of fetal brain magnetic resonance spectroscopy in 1.5 T scanners. <i>American Journal of Obstetrics and Gynecology</i> , 2015, 213, 741-742.	1.3	8
18	In Vivo Detection of Perinatal Brain Metabolite Changes in a Rabbit Model of Intrauterine Growth Restriction (IUGR). <i>PLoS ONE</i> , 2015, 10, e0131310.	2.5	18

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19	Long-term reorganization of structural brain networks in a rabbit model of intrauterine growth restriction. <i>NeuroImage</i> , 2014, 100, 24-38.	4.2	32
20	Normalization of similarity-based individual brain networks from gray matter MRI and its association with neurodevelopment in infants with intrauterine growth restriction. <i>NeuroImage</i> , 2013, 83, 901-911.	4.2	58
21	A Magnetic Resonance Image Based Atlas of the Rabbit Brain for Automatic Parcellation. <i>PLoS ONE</i> , 2013, 8, e67418.	2.5	30
22	The Ins and Outs of the BCCAO Model for Chronic Hypoperfusion: A Multimodal and Longitudinal MRI Approach. <i>PLoS ONE</i> , 2013, 8, e74631.	2.5	45
23	Long-Term Functional Outcomes and Correlation with Regional Brain Connectivity by MRI Diffusion Tractography Metrics in a Near-Term Rabbit Model of Intrauterine Growth Restriction. <i>PLoS ONE</i> , 2013, 8, e76453.	2.5	38
24	Altered structural brain network topology in infants with intrauterine growth restriction. , 2012, , .		1
25	Altered small-world topology of structural brain networks in infants with intrauterine growth restriction and its association with later neurodevelopmental outcome. <i>NeuroImage</i> , 2012, 60, 1352-1366.	4.2	151
26	Neonatal Neurobehavior and Diffusion MRI Changes in Brain Reorganization Due to Intrauterine Growth Restriction in a Rabbit Model. <i>PLoS ONE</i> , 2012, 7, e31497.	2.5	73
27	Quantitative Analysis of Pyramidal Tracts in Brain Tumor Patients Using Diffusion Tensor Imaging. , 2012, , 143-152.		0
28	Predictive Modeling of Cardiac Fiber Orientation Using the Knutsson Mapping. <i>Lecture Notes in Computer Science</i> , 2011, 14, 50-57.	1.3	10
29	Saturn: A software application of tensor utilities for research in neuroimaging. <i>Computer Methods and Programs in Biomedicine</i> , 2010, 97, 264-279.	4.7	6
30	Analysis of the helix and transverse angles of the muscle fibers in the myocardium based on Diffusion Tensor Imaging. , 2010, 2010, 5720-3.		3
31	Spatial normalization of cardiac Diffusion Tensor Imaging for modeling the muscular structure of the myocardium. , 2010, , .		2
32	Analysis of the pyramidal tract in tumor patients using diffusion tensor imaging. <i>NeuroImage</i> , 2010, 50, 27-39.	4.2	10
33	Atlas Construction and Image Analysis Using Statistical Cardiac Models. <i>Lecture Notes in Computer Science</i> , 2010, , 1-13.	1.3	0
34	A 3-D Collision Handling Algorithm for Surgery Simulation Based on Feedback Fuzzy Logic. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2009, 13, 451-457.	3.2	8
35	Sequential anisotropic multichannel Wiener filtering with Rician bias correction applied to 3D regularization of DWI data. <i>Medical Image Analysis</i> , 2009, 13, 19-35.	11.6	29
36	Automatic articulated registration of hand radiographs. <i>Image and Vision Computing</i> , 2009, 27, 1207-1222.	4.5	18

#	ARTICLE	IF	CITATIONS
37	Characterization of the similarity between diffusion tensors for image registration. Computers in Biology and Medicine, 2009, 39, 251-265.	7.0	7
38	Characterization of Anatomic Fiber Bundles for Diffusion Tensor Image Analysis. Lecture Notes in Computer Science, 2009, 12, 903-910.	1.3	1
39	A methodology for quality assessment in tensor images. , 2008, , .		0
40	P2C-3 Ultrasound Based Intraoperative Brain Shift Correction. Proceedings IEEE Ultrasonics Symposium, 2007, , .	0.0	1
41	TECHNIQUES IN THE CONTOUR DETECTION OF KIDNEYS AND THEIR APPLICATIONS. , 2007, , 273-334.		0
42	P2F-1 A Speckle Removal Filter Based on Anisotropic Wiener Filtering and the Rice Distribution. , 2006, , .		5
43	Articulated registration: elastic registration based on a wire-model. , 2005, 5747, 182.		15