Hernan Jara

List of Publications by Year in descending order

50 papers	1,550 citations	304743 22 h-index	315739 38 g-index
50 all docs	50 docs citations	50 times ranked	2575 citing authors

#	Article	IF	Citations
1	MRI characterization of diffusion coefficients in a rat spinal cord injury model. Magnetic Resonance in Medicine, 1994, 31, 488-494.	3.0	155
2	Effect of Testosterone Supplementation With and Without a Dual 5Î±-Reductase Inhibitor on Fat-Free Mass in Men With Suppressed Testosterone Production. JAMA - Journal of the American Medical Association, 2012, 307, 931-9.	7.4	131
3	Neurocognitive and Academic Outcomes at Age 10 Years of Extremely Preterm Newborns. Pediatrics, 2016, 137, .	2.1	111
4	Girls and Boys Born before 28ÂWeeks Gestation: Risks of Cognitive, Behavioral, and Neurologic Outcomes at Age 10ÂYears. Journal of Pediatrics, 2016, 173, 69-75.e1.	1.8	78
5	Circulating Inflammatory-Associated Proteins in the First Month of Life and Cognitive Impairment at Age 10 Years in Children Born Extremely Preterm. Journal of Pediatrics, 2017, 180, 116-123.e1.	1.8	68
6	Liver and Spleen Volumetry with Quantitative MR Imaging and Dual-Space Clustering Segmentation. Radiology, 2005, 237, 322-328.	7.3	66
7	Relaxo-volumetric multispectral quantitative magnetic resonance imaging of the brain over the human lifespan: global and regional aging patterns. Magnetic Resonance Imaging, 2009, 27, 895-906.	1.8	65
8	Quantifying liver fibrosis through the application of texture analysis to diffusion weighted imaging. Magnetic Resonance Imaging, 2014, 32, 84-90.	1.8	59
9	Characterizing nonâ€gaussian, high bâ€value diffusion in liver fibrosis: Stretched exponential and diffusional kurtosis modeling. Journal of Magnetic Resonance Imaging, 2014, 39, 827-834.	3.4	58
10	Co-occurrence and Severity of Neurodevelopmental Burden (Cognitive Impairment, Cerebral Palsy,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Pediatric Neurology, 2018, 79, 45-52.	2.1	51
11	Quantitative MR Imaging: Physical Principles and Sequence Design in Abdominal Imaging. Radiographics, 2011, 31, 867-880.	3.3	48
12	Combined volumetric T1, T2 and secular-T2 quantitative MRI of the brain: age-related global changes (preliminary results). Magnetic Resonance Imaging, 2006, 24, 877-887.	1.8	47
13	Global and Regional Brain Assessment with Quantitative MR Imaging in Patients with Prior Exposure to Linear Gadolinium-based Contrast Agents. Radiology, 2017, 283, 195-204.	7.3	40
14	Determination of Background Gradients with Diffusion MR Imaging. Journal of Magnetic Resonance Imaging, 1994, 4, 787-797.	3.4	39
15	Utility of texture analysis for quantifying hepatic fibrosis on proton density MRI. Journal of Magnetic Resonance Imaging, 2015, 42, 1259-1265.	3.4	38
16	Whole brain quantitative T2 MRI across multiple scanners with dual echo FSE: Applications to AD, MCI, and normal aging. NeuroImage, 2010, 52, 508-514.	4.2	37
17	Age-related Apparent Diffusion Coefficient Changes in the Normal Brain. Radiology, 2013, 266, 575-582.	7.3	37
18	The Relationship of Ectopic Lipid Accumulation to Cardiac and Vascular Function in Obesity and Metabolic Syndrome. Obesity, 2010, 18, 1116-1121.	3.0	35

#	Article	IF	Citations
19	Effect of disease progression on liver apparent diffusion coefficient and T₂ values in a murine model of hepatic fibrosis at 11.7 Tesla MRI. Journal of Magnetic Resonance Imaging, 2012, 35, 140-146.	3.4	31
20	Application of Basic Principles of Physics to Head and Neck MR Angiography: Troubleshooting for Artifacts. Radiographics, 2013, 33, E113-E123.	3.3	29
21	Multispectral Quantitative Magnetic Resonance Imaging of Brain Iron Stores. Topics in Magnetic Resonance Imaging, 2006, 17, 19-30.	1.2	27
22	Application of texture analysis on parametricT₁andT₂maps for detection of hepatic fibrosis. Journal of Magnetic Resonance Imaging, 2017, 45, 250-259.	3.4	25
23	Effect of Testosterone Administration on Liver Fat in Older Men With Mobility Limitation: Results From a Randomized Controlled Trial. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2013, 68, 954-959.	3.6	22
24	Testosterone Dose-Response Relationships With Cardiovascular Risk Markers in Androgen-Deficient Women: A Randomized, Placebo-Controlled Trial. Journal of Clinical Endocrinology and Metabolism, 2014, 99, E1287-E1293.	3.6	21
25	Accuracy of the Bayley-II mental development index at 2 years as a predictor of cognitive impairment at school age among children born extremely preterm. Journal of Perinatology, 2018, 38, 908-916.	2.0	20
26	BLACK-BLOOD MR ANGIOGRAPHY. Magnetic Resonance Imaging Clinics of North America, 1999, 7, 303-317.	1.1	20
27	Nonhomogeneous Gadolinium Retention in the Cerebral Cortex after Intravenous Administration of Gadolinium-based Contrast Agent in Rats and Humans. Radiology, 2020, 294, 377-385.	7.3	19
28	Association of Circulating Proinflammatory and Anti-inflammatory Protein Biomarkers in Extremely Preterm Born Children with Subsequent Brain Magnetic Resonance Imaging Volumes and Cognitive Function at Age 10 Years. Journal of Pediatrics, 2019, 210, 81-90.e3.	1.8	17
29	Neonatal Cranial Ultrasound Findings among Infants Born Extremely Preterm: Associations with Neurodevelopmental Outcomes at 10ÂYears of Age. Journal of Pediatrics, 2021, 237, 197-205.e4.	1.8	16
30	Principles of Quantitative MR Imaging with Illustrated Review of Applicable Modular Pulse Diagrams. Radiographics, 2017, 37, 2083-2105.	3.3	14
31	Among Children Born Extremely Preterm a Higher Level of Circulating Neurotrophins Is Associated with Lower Risk of Cognitive Impairment at School Age. Journal of Pediatrics, 2018, 201, 40-48.e4.	1.8	13
32	Quantifying hepatic fibrosis using a biexponential model of diffusion weighted imaging in ex vivo liver specimens. Magnetic Resonance Imaging, 2012, 30, 1475-1482.	1.8	12
33	Multislice T1-weighted hybrid rare in CNS imaging: Assessment of magnetization transfer effects and artifacts. Journal of Magnetic Resonance Imaging, 1996, 6, 903-908.	3.4	11
34	Improved T₂ mapping accuracy with dualâ€echo turbo spin echo: Effect of phase encoding profile orders. Magnetic Resonance in Medicine, 2013, 69, 137-143.	3.0	11
35	qMRI relaxometry of mandibular bone marrow: A monomodal distribution in sickle cell disease. Journal of Magnetic Resonance Imaging, 2013, 37, 1182-1188.	3.4	9
36	Quantitative Magnetic Resonance Imaging Analysis of the Lacrimal Gland in Sickle Cell Disease. Journal of Computer Assisted Tomography, 2014, 38, 674-680.	0.9	8

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37	Enhanced Laws textures: A potential MRI surrogate marker of hepatic fibrosis in a murine model. Magnetic Resonance Imaging, 2017, 37, 33-40.	1.8	8
38	Psychiatric Outcomes, Functioning, and Participation in Extremely Low Gestational Age Newborns at Age 15 Years. Journal of the American Academy of Child and Adolescent Psychiatry, 2022, 61, 892-904.e2.	0.5	7
39	Black-blood MR angiography with grase: Measurement of flow-induced signal attenuation. Journal of Magnetic Resonance Imaging, 1998, 8, 1334-1337.	3.4	6
40	Quantitative MR imaging of intra-orbital structures: Tissue-specific measurements and age dependency compared to extra-orbital structures using multispectral quantitative MR imaging. Orbit, 2017, 36, 189-196.	0.8	6
41	Accurate brain volumetry with diffusionâ€weighted spinâ€echo singleâ€shot echoâ€planarâ€imaging and dualâ€clustering segmentation: Comparison with volumetryâ€validated quantitative magnetic resonance imaging. Medical Physics, 2010, 37, 1183-1190.	3.0	5
42	Multiexponential T₂ analyses in a murine model of hepatic fibrosis at 11.7 T MRI. NMR in Biomedicine, 2013, 26, 83-90.	2.8	5
43	Perihematomal edema surrounding spontaneous intracerebral hemorrhage by CT. Medicine (United) Tj ETQq1 1 0.784314 rgBT /Over	1.0	5
44	Normal saline as a natural intravascular contrast agent for dynamic perfusion-weighted MRI of the brain: Proof of concept at 1.5T. Journal of Magnetic Resonance Imaging, 2016, 44, 1580-1591.	3.4	4
45	Quantitative MRI Characterization of the Extremely Preterm Brain at Adolescence: Atypical versus Neurotypical Developmental Pathways. Radiology, 2022, , 210385.	7.3	4
46	T2-weighted MR imaging of the liver: Optimization of hybrid-rare sequences. Magnetic Resonance Imaging, 1997, 15, 267-273.	1.8	3
47	Evaluation of T1/T2 ratios in a pilot study as a potential biomarker of biopsy: proven benign and malignant breast lesions in correlation with histopathological disease stage. Future Science OA, 2017, 3, FSO197.	1.9	3
48	MultisectionT1-weighted hybrid-rare: A pulse sequence for MR imaging of the entire liver during suspended respiration. Magnetic Resonance in Medicine, 1996, 36, 767-774.	3.0	2
49	MR cholangiopancreatography techniques. Seminars in Ultrasound, CT and MRI, 1999, 20, 281-293.	1.5	2
50	Primary Central Nervous System Lymphoma: Lessons and Opportunities from 2 Decades of CT and PET/CT. Radiology, 2019, 292, 447-448.	7.3	2