

Cristian Tejos

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

1,100
citations

361413

20
h-index

454955

30
g-index

72
all docs

72
docs citations

72
times ranked

1782
citing authors

#	ARTICLE	IF	CITATIONS
1	DeepSPIO: Super Paramagnetic Iron Oxide Particle Quantification Using Deep Learning in Magnetic Resonance Imaging. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2022, 44, 143-153.	13.9	12
2	Striking artifact suppression of quantitative susceptibility mapping reconstructions via L1-norm data fidelity optimization (L1-QSM). <i>Magnetic Resonance in Medicine</i> , 2022, 87, 457-473.	3.0	5
3	Functional Dysconnectivity in Ventral Striatocortical Systems in 22q11.2 Deletion Syndrome. <i>Schizophrenia Bulletin</i> , 2022, 48, 485-494.	4.3	2
4	A Survey on Deep Learning and Explainability for Automatic Report Generation from Medical Images. <i>ACM Computing Surveys</i> , 2022, 54, 1-40.	23.0	20
5	Hybrid data fidelity term approach for quantitative susceptibility mapping. <i>Magnetic Resonance in Medicine</i> , 2022, , .	3.0	2
6	Phyllotaxis transition over the lifespan of a palm tree using Magnetic Resonance Imaging (MRI) and Terrestrial Laser Scanning (TLS): the case of <i>Jubaea chilensis</i> . <i>Plant Methods</i> , 2022, 18, .	4.3	1
7	Comparison of parameter optimization methods for quantitative susceptibility mapping. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 480-494.	3.0	12
8	Level set segmentation with shape prior knowledge using intrinsic rotation, translation and scaling alignment. <i>Biomedical Signal Processing and Control</i> , 2021, 63, 102241.	5.7	2
9	A Spatial Off-Resonance Correction in Spirals for Magnetic Resonance Fingerprinting. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 3832-3842.	8.9	3
10	GOFOS, ground optical fog observation system for monitoring the vertical stratocumulus-fog cloud distribution in the coast of the Atacama Desert, Chile. <i>Journal of Hydrology</i> , 2021, 597, 126190.	5.4	5
11	Weighted neurofeedback facilitates greater self-regulation of functional connectivity between the primary motor area and cerebellum. <i>Journal of Neural Engineering</i> , 2021, 18, 056059.	3.5	2
12	Abnormal nodal and global network organization in resting state functional MRI from subjects with the 22q11 deletion syndrome. <i>Scientific Reports</i> , 2021, 11, 21623.	3.3	2
13	Comparison of q-Space Reconstruction Methods for Undersampled Diffusion Spectrum Imaging Data. <i>Magnetic Resonance in Medical Sciences</i> , 2020, 19, 108-118.	2.0	2
14	The 2016 QSM Challenge: Lessons learned and considerations for a future challenge design. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 1624-1637.	3.0	18
15	MAPL1: q-space reconstruction using ϵ -regularized mean apparent propagator. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 2219-2230.	3.0	3
16	Noise estimation for the velocity in MRI phase-contrast. <i>Magnetic Resonance Imaging</i> , 2019, 63, 250-257.	1.8	5
17	Red Wine Grape Pomace Attenuates Atherosclerosis and Myocardial Damage and Increases Survival in Association with Improved Plasma Antioxidant Activity in a Murine Model of Lethal Ischemic Heart Disease. <i>Nutrients</i> , 2019, 11, 2135.	4.1	30
18	Self-Regulation of the Fusiform Face Area in Autism Spectrum: A Feasibility Study With Real-Time fMRI Neurofeedback. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 446.	2.0	15

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19	Weak ϵ harmonic regularization for quantitative susceptibility mapping. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 1399-1411.	3.0	19
20	A new discrete dipole kernel for quantitative susceptibility mapping. <i>Magnetic Resonance Imaging</i> , 2018, 51, 7-13.	1.8	1
21	Fast nonlinear susceptibility inversion with variational regularization. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 814-821.	3.0	55
22	Three ϵ dimensional quantification of vorticity and helicity from 3D cine PC ϵ MRI using finite ϵ element interpolations. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 541-553.	3.0	24
23	Variability of 4D flow parameters when subjected to changes in MRI acquisition parameters using a realistic thoracic aortic phantom. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 1882-1892.	3.0	23
24	Characterization of relapsing-remitting multiple sclerosis patients using support vector machine classifications of functional and diffusion MRI data. <i>NeuroImage: Clinical</i> , 2018, 20, 724-730.	2.7	65
25	A robust multi-scale approach to quantitative susceptibility mapping. <i>NeuroImage</i> , 2018, 183, 7-24.	4.2	60
26	Algebraic Reconstruction of Source and Attenuation in SPECT Using First Scattering Measurements. <i>Trends in Mathematics</i> , 2018, , 53-66.	0.1	3
27	Velocity Variability in MRI Phase-Contrast. , 2018, , .		0
28	Simultaneous left and right ventricle segmentation using topology preserving level sets. <i>Biomedical Signal Processing and Control</i> , 2017, 33, 88-95.	5.7	26
29	Quantification of pulmonary regurgitation in patients with repaired Tetralogy of Fallot by 2D phase-contrast MRI: Differences between the standard method of velocity averaging and a pixel-wise analysis. <i>JRSM Cardiovascular Disease</i> , 2017, 6, 204800401773198.	0.7	5
30	Total liver fat quantification using three ϵ dimensional respiratory self ϵ navigated MRI sequence. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 1400-1409.	3.0	8
31	Realistic aortic phantom to study hemodynamics using MRI and cardiac catheterization in normal and aortic coarctation conditions. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 44, 683-697.	3.4	28
32	How feedback, motor imagery, and reward influence brain self ϵ regulation using real ϵ time fMRI. <i>Human Brain Mapping</i> , 2016, 37, 3153-3171.	3.6	71
33	Multiscale gradient domain compression for astronomical high dynamic range imaging. <i>Imaging Science Journal</i> , 2016, 64, 353-363.	0.5	1
34	Enhancing the Velocity Data From 4D Flow MR Images by Reducing its Divergence. <i>IEEE Transactions on Medical Imaging</i> , 2016, 35, 2353-2364.	8.9	7
35	Accelerating dual cardiac phase images using undersampled radial phase encoding trajectories. <i>Magnetic Resonance Imaging</i> , 2016, 34, 1017-1025.	1.8	1
36	3D Quantification of Wall Shear Stress and Oscillatory Shear Index Using a Finite-Element Method in 3D CINE PC-MRI Data of the Thoracic Aorta. <i>IEEE Transactions on Medical Imaging</i> , 2016, 35, 1475-1487.	8.9	42

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37	High prevalence of undiagnosed liver cirrhosis and advanced fibrosis in type 2 diabetic patients. <i>Annals of Hepatology</i> , 2016, 15, 721-8.	1.5	26
38	A subject-independent pattern-based Brain-Computer Interface. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 269.	2.0	39
39	Quantification of wall shear stress using a finite-element method in multidimensional phase-contrast MR data of the thoracic aorta. <i>Journal of Biomechanics</i> , 2015, 48, 1817-1827.	2.1	15
40	Sensitivity analysis of geometric errors in additive manufacturing medical models. <i>Medical Engineering and Physics</i> , 2015, 37, 328-334.	1.7	47
41	Intrahepatic portal vein blood volume estimated by non-contrast magnetic resonance imaging for the assessment of portal hypertension. <i>Magnetic Resonance Imaging</i> , 2015, 33, 970-977.	1.8	6
42	A realistic MR compatible aortic phantom to validate hemodynamic parameters from MRI data: aortic coarctation patients comparison using catheterization. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, P199.	3.3	1
43	Quantization error in magnetic resonance imaging. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2014, 43A, 79-89.	0.5	2
44	Multiple echo multi-shot diffusion sequence. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 39, 1027-1032.	3.4	4
45	3D Non-Destructive Evaluation Techniques for Wood Analysis. , 2014, , 247-280.		2
46	Hemodynamic Assessment in Patients with One-and-a-Half Ventricle Repair Revealed by Four-Dimensional Flow Magnetic Resonance Imaging. <i>Pediatric Cardiology</i> , 2013, 34, 447-451.	1.3	18
47	Calcium (Ca ²⁺) waves data calibration and analysis using image processing techniques. <i>BMC Bioinformatics</i> , 2013, 14, 162.	2.6	1
48	Embolization of Incompetent Pelvic Veins for the Treatment of Recurrent Varicose Veins in Lower Limbs and Pelvic Congestion Syndrome. <i>CardioVascular and Interventional Radiology</i> , 2013, 36, 128-132.	2.0	31
49	Assessment of normal flow patterns in the pulmonary circulation by using 4D magnetic resonance velocity mapping. <i>Magnetic Resonance Imaging</i> , 2013, 31, 178-188.	1.8	52
50	Caval Blood Flow Distribution in Patients with Fontan Circulation: Quantification by Using Particle Traces from 4D Flow MR Imaging. <i>Radiology</i> , 2013, 267, 67-75.	7.3	49
51	Leptin and adiponectin have opposite effect on ciliary activity, calcium wave velocity and ovum transport velocity in the rat oviduct. <i>FASEB Journal</i> , 2013, 27, 734.1.	0.5	1
52	Quantitative assessments of geometric errors for rapid prototyping in medical applications. <i>Rapid Prototyping Journal</i> , 2012, 18, 431-442.	3.2	19
53	Cardiovascular magnetic resonance findings in a pediatric population with isolated left ventricular non-compaction. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012, 14, 5.	3.3	18
54	Análisis cuantitativo de variables hemodinámicas de la aorta obtenidas de 4D flow. <i>Revista Chilena De Radiología</i> , 2012, 18, 62-67.	0.2	1

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55	Application of the fractional Fourier transform to image reconstruction in MRI. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 17-29.	3.0	20
56	Chemical species separation with simultaneous estimation of field map and T_2 using a k -space formulation. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 400-408.	3.0	8
57	Quantitative description of the morphology and ossification center in the axial skeleton of 20-week gestation formalin-fixed human fetuses using magnetic resonance images. <i>Prenatal Diagnosis</i> , 2012, 32, 252-258.	2.3	3
58	4D FLOW: Una nueva herramienta de diagnóstico para cardiopatías congénitas. <i>Revista Chilena De Radiología</i> , 2011, 17, 134-140.	0.2	2
59	TRIO a Technique for Reconstruction Using Intensity Order: Application to Undersampled MRI. <i>IEEE Transactions on Medical Imaging</i> , 2011, 30, 1566-1576.	8.9	3
60	The fractional Fourier transform and quadratic field magnetic resonance imaging. <i>Computers and Mathematics With Applications</i> , 2011, 62, 1576-1590.	2.7	8
61	New respiratory gating technique for whole heart cine imaging: Integration of a navigator slice in steady state free precession sequences. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 211-219.	3.4	10
62	Congenital Heart Disease in Children: Coronary MR Angiography during Systole and Diastole with Dual Cardiac Phase Whole-Heart Imaging. <i>Radiology</i> , 2011, 260, 232-240.	7.3	31
63	Using magnetic resonance phase-contrast velocity mapping for diagnosing pelvic congestion syndrome. <i>Phlebology</i> , 2011, 26, 157-161.	1.2	27
64	Medición volumétrica de grasa visceral abdominal con RM y su relación con elastografía hepática en una población diabética. <i>Revista Chilena De Radiología</i> , 2011, 17, 183-191.	0.2	0
65	Enhancement of Visual Perception with Use of Dynamic Cues. <i>Radiology</i> , 2009, 250, 551-557.	7.3	2
66	Simplex Mesh Diffusion Snakes: Integrating 2D and 3D Deformable Models and Statistical Shape Knowledge in a Variational Framework. <i>International Journal of Computer Vision</i> , 2009, 85, 19-34.	15.6	17
67	Noise in magnitude magnetic resonance images. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2008, 32A, 409-416.	0.5	35
68	Segmentation of articular cartilage using active contours and prior knowledge. , 2004, 2004, 1648-51.		4
69	Effects of, and corrections for, cross-term interactions in q-space MRI. <i>Magnetic Resonance in Medicine</i> , 2004, 51, 1048-1054.	3.0	16