

Luis Hernandez-garcia

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8618212/publications.pdf>

Version: 2024-02-01

57
papers

3,199
citations

304743

22
h-index

197818

49
g-index

58
all docs

58
docs citations

58
times ranked

4978
citing authors

#	ARTICLE	IF	CITATIONS
1	Velocity-selective arterial spin labeling perfusion MRI: A review of the state of the art and recommendations for clinical implementation. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 1528-1547.	3.0	27
2	Comparison of velocity-selective arterial spin labeling schemes. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 2027-2039.	3.0	13
3	A Combined Computational Fluid Dynamics and Arterial Spin Labeling MRI Modeling Strategy to Quantify Patient-Specific Cerebral Hemodynamics in Cerebrovascular Occlusive Disease. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 722445.	4.1	8
4	Practical considerations for territorial perfusion mapping in the cerebral circulation using super-selective pseudo-continuous arterial spin labeling. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 492-504.	3.0	10
5	Fuzzy General Linear Modeling for Functional Magnetic Resonance Imaging Analysis. <i>IEEE Transactions on Fuzzy Systems</i> , 2020, 28, 100-111.	9.8	4
6	Optimizing MRf-ASL scan design for precise quantification of brain hemodynamics using neural network regression. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 1979-1991.	3.0	16
7	Theta Burst Transcranial Magnetic Stimulation of Fronto-Parietal Networks: Modulation by Mental State. <i>Journal of Psychiatry and Brain Science</i> , 2020, 5, .	0.5	1
8	Segregation of salience network predicts treatment response of depression to repetitive transcranial magnetic stimulation. <i>NeuroImage: Clinical</i> , 2019, 22, 101719.	2.7	25
9	Ant Colony Clustering for ROI Identification in Functional Magnetic Resonance Imaging. <i>Computational Intelligence and Neuroscience</i> , 2019, 2019, 1-9.	1.7	2
10	Improved sensitivity and temporal resolution in perfusion FMRI using velocity selective inversion ASL. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 1004-1015.	3.0	21
11	Recent progress in ASL. <i>NeuroImage</i> , 2019, 187, 3-16.	4.2	76
12	Changes in brain connectivity during a sham-controlled, transcranial magnetic stimulation trial for depression. <i>Journal of Affective Disorders</i> , 2018, 232, 143-151.	4.1	58
13	Estimation of perfusion properties with MR Fingerprinting Arterial Spin Labeling. <i>Magnetic Resonance Imaging</i> , 2018, 50, 68-77.	1.8	34
14	The response of MRI contrast parameters in <i>in vitro</i> tissues and tissue mimicking phantoms to fractionation by histotripsy. <i>Physics in Medicine and Biology</i> , 2017, 62, 7167-7180.	3.0	14
15	MR-based detection of individual histotripsy bubble clouds formed in tissues and phantoms. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 1486-1493.	3.0	13
16	Support vector machine classification of arterial volume-weighted arterial spin tagging images. <i>Brain and Behavior</i> , 2016, 6, e00549.	2.2	11
17	Evidence that neurovascular coupling underlying the BOLD effect increases with age during childhood. <i>Human Brain Mapping</i> , 2015, 36, 1-15.	3.6	34
18	Recommended implementation of arterial spin-labeled perfusion MRI for clinical applications: A consensus of the ISMRM perfusion study group and the European consortium for ASL in dementia. <i>Magnetic Resonance in Medicine</i> , 2015, 73, spcone.	3.0	19

#	ARTICLE	IF	CITATIONS
19	Uncertainty Quantification in Transcranial Magnetic Stimulation via High-Dimensional Model Representation. IEEE Transactions on Biomedical Engineering, 2015, 62, 361-372.	4.2	38
20	Recommended implementation of arterial spin-labeled perfusion MRI for clinical applications: A consensus of the ISMRM perfusion study group and the European consortium for ASL in dementia. Magnetic Resonance in Medicine, 2015, 73, 102-116.	3.0	1,663
21	Controlling cavitation-based image contrast in focused ultrasound histotripsy surgery. Magnetic Resonance in Medicine, 2015, 73, 204-213.	3.0	23
22	Optimized simultaneous ASL and BOLD functional imaging of the whole brain. Journal of Magnetic Resonance Imaging, 2014, 39, 1104-1117.	3.4	31
23	Neural effects of short-term training on working memory. Cognitive, Affective and Behavioral Neuroscience, 2014, 14, 147-160.	2.0	100
24	Sensitivity of TMS-induced electric fields to the uncertainty in coil placement and brain anatomy. , 2014, , .		2
25	Functional perfusion imaging using pseudocontinuous arterial spin labeling with low-flip-angle segmented 3D spiral readouts. Magnetic Resonance in Medicine, 2013, 69, 382-390.	3.0	31
26	Single-source multi-coil transcranial magnetic stimulators for deep and focused stimulation of the human brain. , 2013, , .		2
27	Numerical Analysis and Design of Single-Source Multicoil TMS for Deep and Focused Brain Stimulation. IEEE Transactions on Biomedical Engineering, 2013, 60, 2771-2782.	4.2	44
28	Uncertainty quantification in transcranial magnetic stimulation. , 2013, , .		1
29	Magnetic resonance imaging of time-varying magnetic fields from therapeutic devices. NMR in Biomedicine, 2013, 26, 718-724.	2.8	3
30	Feeling Blue or Turquoise? Emotional Differentiation in Major Depressive Disorder. Psychological Science, 2012, 23, 1410-1416.	3.3	134
31	Advances in longitudinal MRI diagnostic tests. Expert Opinion on Medical Diagnostics, 2012, 6, 309-321.	1.6	5
32	A probabilistic foundation for dynamical systems: theoretical background and mathematical formulation. Journal of Mathematical Chemistry, 2012, 50, 850-869.	1.5	22
33	A probabilistic foundation for dynamical systems: phenomenological reasoning and principal characteristics of probabilistic evolution. Journal of Mathematical Chemistry, 2012, 50, 870-880.	1.5	21
34	Challenges to attention: A continuous arterial spin labeling (ASL) study of the effects of distraction on sustained attention. NeuroImage, 2011, 54, 1518-1529.	4.2	94
35	Real-time functional MRI using pseudo-continuous arterial spin labeling. Magnetic Resonance in Medicine, 2011, 65, 1570-1577.	3.0	11
36	B_0 field inhomogeneity considerations in pseudo-continuous arterial spin labeling (pCASL): effects on tagging efficiency and correction strategy. NMR in Biomedicine, 2011, 24, 1202-1209.	2.8	58

#	ARTICLE	IF	CITATIONS
37	Neuronal event detection in fMRI time series using iterative deconvolution techniques. <i>Magnetic Resonance Imaging</i> , 2011, 29, 353-364.	1.8	27
38	Quantitative analysis of arterial spin labeling FMRI data using a general linear model. <i>Magnetic Resonance Imaging</i> , 2010, 28, 919-927.	1.8	26
39	Temporal summation of heat pain in humans: Evidence supporting thalamocortical modulation. <i>Pain</i> , 2010, 150, 93-102.	4.2	26
40	A numerically optimized active shield for improved transcranial magnetic stimulation targeting. <i>Brain Stimulation</i> , 2010, 3, 218-225.	1.6	15
41	“First Pain” in Humans: Convergent and Specific Forebrain Responses. <i>Molecular Pain</i> , 2010, 6, 1744-8069-6-81.	2.1	7
42	Complex-valued analysis of arterial spin labeling-based functional magnetic resonance imaging signals. <i>Magnetic Resonance in Medicine</i> , 2009, 62, 1597-1608.	3.0	8
43	Optimizing CompCor in a cognitive ASL-FMRI experiment: A Sustained Attention Task. <i>NeuroImage</i> , 2009, 47, S59.	4.2	0
44	Introduction to Functional MRI Hardware. <i>NeuroMethods</i> , 2009, , 31-67.	0.3	0
45	An approach to MRI-based dosimetry for transcranial magnetic stimulation. <i>NeuroImage</i> , 2007, 36, 1171-1178.	4.2	8
46	Magnetization transfer effects on the efficiency of flow-driven adiabatic fast passage inversion of arterial blood. <i>NMR in Biomedicine</i> , 2007, 20, 733-742.	2.8	13
47	Functional imaging with Turbo-CASL: Transit time and multislice imaging considerations. <i>Magnetic Resonance in Medicine</i> , 2007, 57, 661-669.	3.0	11
48	Vascular dynamics and BOLD fMRI: CBF level effects and analysis considerations. <i>NeuroImage</i> , 2006, 32, 1642-1655.	4.2	56
49	Estimation efficiency and statistical power in arterial spin labeling fMRI. <i>NeuroImage</i> , 2006, 33, 103-114.	4.2	71
50	Application of selective saturation to image the dynamics of arterial blood flow during brain activation using magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 816-825.	3.0	9
51	Quantification of perfusion fMRI using a numerical model of arterial spin labeling that accounts for dynamic transit time effects. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 955-964.	3.0	26
52	Accounting for nonlinear BOLD effects in fMRI: parameter estimates and a model for prediction in rapid event-related studies. <i>NeuroImage</i> , 2005, 25, 206-218.	4.2	106
53	Arterial spin labeling for quantitative functional MRI. , 2004, 2004, 5230-3.		3
54	Fast, pseudo-continuous arterial spin labeling for functional imaging using a two-coil system. <i>Magnetic Resonance in Medicine</i> , 2004, 51, 577-585.	3.0	33

#	ARTICLE	IF	CITATIONS
55	A new non-invasive approach for monitoring respiratory movements of sleeping subjects. Physiological Measurement, 1995, 16, 161-167.	2.1	76
56	Perfusion Based Functional MRI. , 0, , .		0
57	A Beginner's Guide to Arterial Spin Labeling (ASL) Image Processing. Frontiers in Radiology, 0, 2, .	2.0	8