

Pierre-Andr © Vuissoz

List of Publications by Year in descending order

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45
papers

704
citations

623188

14
h-index

552369

26
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45
all docs

45
docs citations

45
times ranked

958
citing authors

#	ARTICLE	IF	CITATIONS
1	Generalized Reconstruction by Inversion of Coupled Systems (GRICS) applied to free-breathing MRI. <i>Magnetic Resonance in Medicine</i> , 2008, 60, 146-157.	1.9	125
2	Nuclear Magnetic Resonance Spectroscopic Study of the Electrochemical Oxidation Product of Methanol on Platinum Black. <i>Journal of the American Chemical Society</i> , 1996, 118, 13046-13050.	6.6	54
3	Dose-Response of Superparamagnetic Iron Oxide Labeling on Mesenchymal Stem Cells Chondrogenic Differentiation: A Multi-Scale In Vitro Study. <i>PLoS ONE</i> , 2014, 9, e98451.	1.1	51
4	Noise Cancellation Signal Processing Method and Computer System for Improved Real-Time Electrocardiogram Artifact Correction During MRI Data Acquisition. <i>IEEE Transactions on Biomedical Engineering</i> , 2007, 54, 630-640.	2.5	49
5	Recent progress in surface NMR-electrochemistry. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1997, 93, 1017-1026.	1.7	41
6	Assessment of right ventricle volumes and function by cardiac MRI: Quantification of the regional and global interobserver variability. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 1740-1746.	1.9	41
7	Generalized MRI reconstruction including elastic physiological motion and coil sensitivity encoding. <i>Magnetic Resonance in Medicine</i> , 2008, 59, 1401-1411.	1.9	39
8	Chronic Urinary Obstruction: Evaluation of Dynamic Contrast-enhanced MR Urography for Measurement of Split Renal Function. <i>Radiology</i> , 2014, 273, 801-812.	3.6	36
9	Motion compensated generalized reconstruction for free-breathing dynamic contrast-enhanced MRI. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 812-822.	1.9	24
10	Motion-Corrected, Super-Resolution Reconstruction for High-Resolution 3D Cardiac Cine MRI. <i>Lecture Notes in Computer Science</i> , 2015, , 435-442.	1.0	24
11	Joint Reconstruction of Multiple Images and Motion in MRI: Application to Free-Breathing Myocardial T_2 Quantification. <i>IEEE Transactions on Medical Imaging</i> , 2016, 35, 197-207.	5.4	20
12	Comprehensive MRI analysis of early cardiac and vascular remodeling in middle-aged patients with abdominal obesity. <i>Journal of Hypertension</i> , 2012, 30, 567-573.	0.3	18
13	One-millimeter isotropic breast diffusion-weighted imaging: Evaluation of a superresolution strategy in terms of signal-to-noise ratio, sharpness and apparent diffusion coefficient. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 2588-2599.	1.9	18
14	Free-breathing imaging of the heart using 2D cine-GRICS (generalized reconstruction by inversion of) T_2 weighted MRI. <i>Magnetic Resonance Imaging</i> , 2012, 35, 340-351.	1.9	16
15	Isotropic 3D cardiac cine MRI allows efficient sparse segmentation strategies based on 3D surface reconstruction. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 2665-2675.	1.9	15
16	Effect of physiological Heart Rate variability on quantitative T2 measurement with ECG-gated Fast Spin Echo (FSE) sequence and its retrospective correction. <i>Magnetic Resonance Imaging</i> , 2013, 31, 1559-1566.	1.0	14
17	Do the upper lateral nasal cartilages exist? The concept of septolateral cartilages. <i>European Annals of Otorhinolaryngology, Head and Neck Diseases</i> , 2021, 138, 77-81.	0.4	12
18	Multimodal dataset of real-time 2D and static 3D MRI of healthy French speakers. <i>Scientific Data</i> , 2021, 8, 258.	2.4	12

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19	CO chemisorption on platinum and palladium electrode studied by nuclear magnetic resonance. <i>Electrochimica Acta</i> , 1998, 44, 1397-1401.	2.6	11
20	Transmission Line Model of an Implanted Insulated Cable for Magnetic Resonance Imaging Radiofrequency Hazard Evaluation. <i>IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology</i> , 2018, 2, 201-207.	2.3	8
21	MRI "EXPOSIMETRY": HOW TO ANALYZE, COMPARE AND REPRESENT WORKER EXPOSURE TO STATIC MAGNETIC FIELD?. <i>Radiation Protection Dosimetry</i> , 2017, 177, 415-423.	0.4	6
22	A Multimodal Real-Time MRI Articulatory Corpus of French for Speech Research. , 0, , .		6
23	Calibration and non-orthogonality correction of three-axis Hall sensors for the monitoring of MRI workers' exposure to static magnetic fields. <i>Bioelectromagnetics</i> , 2018, 39, 108-119.	0.9	5
24	Centerline articulatory models of the velum and epiglottis for articulatory synthesis of speech. , 2018, , .		5
25	Automatic Tongue Delineation from MRI Images with a Convolutional Neural Network Approach. <i>Applied Artificial Intelligence</i> , 2020, 34, 1115-1123.	2.0	5
26	A hardware and software system for MRI applications requiring external device data. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 1406-1418.	1.9	5
27	Dynamic platform for moving organ imaging. , 2006, 6142, 1137.		4
28	Reconstruction from free-breathing cardiac MRI data using reproducing kernel Hilbert spaces. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 59-67.	1.9	4
29	Adaptive black blood fast spin echo for end-systolic rest cardiac imaging. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 1760-1771.	1.9	4
30	Measurement of Tongue Tip Velocity from Real-Time MRI and Phase-Contrast Cine-MRI in Consonant Production. <i>Journal of Imaging</i> , 2020, 6, 31.	1.7	4
31	Surface-length index: a novel index for rapid detection of right ventricles with abnormal ejection fraction using cardiac MRI. <i>European Radiology</i> , 2013, 23, 2383-2391.	2.3	3
32	Respective interest of T2 mapping and diffusion tensor imaging in assessing porcine knee cartilage with MR at 3 Teslas. <i>Bio-Medical Materials and Engineering</i> , 2013, 23, 263-272.	0.4	3
33	Longitudinal myocardial peak velocities using high temporal resolution phase-contrast and simple averaging are comparable to tissue Doppler echocardiography. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2014, 27, 211-218.	1.1	3
34	Is High Temporal Resolution Achievable for Paediatric Cardiac Acquisitions during Several Heart Beats? Illustration with Cardiac Phase Contrast Cine-MRI. <i>PLoS ONE</i> , 2015, 10, e0143744.	1.1	3
35	Coupled transfer function model for the evaluation of implanted cables safety in MRI. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 991-999.	1.9	3
36	Broadband electrocardiogram acquisition for improved suppression of MRI gradient artifacts. <i>Physiological Measurement</i> , 2020, 41, 045004.	1.2	3

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37	Automatic generation of the complete vocal tract shape from the sequence of phonemes to be articulated. <i>Speech Communication</i> , 2022, 141, 1-13.	1.6	3
38	Free-breathing myocardial T2 measurements at 1.5T. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2011, 13, .	1.6	1
39	First attempt to motion corrected flow encoding using free-breathing phase-contrast CINE MRI. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012, 14, .	1.6	1
40	Towards a new method for cardiac tissue velocity measurements using MRI, comparison with echocardiography. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014, 16, P44.	1.6	1
41	High spatiotemporal cineMRI films using compressed sensing for acquiring articulatory data. , 2016, , .		1
42	MRI Vocal Tract Sagittal Slices Estimation During Speech Production of CV. , 2021, , .		1
43	Accuracy of subject-specific prediction of end-systolic time in MRI across a range of RR intervals. <i>PLoS ONE</i> , 2017, 12, e0179011.	1.1	1
44	Joint Reconstruction of Image and Motion in MRI: Implicit Regularization Using an Adaptive 3D Mesh. <i>Lecture Notes in Computer Science</i> , 2012, 15, 264-271.	1.0	1
45	Editorial for "Myocardial Deformation Assessed by MR Feature Tracking in Groups of Patients With Ischemic Heart Disease". <i>Journal of Magnetic Resonance Imaging</i> , 2021, 54, 816-817.	1.9	0