

Helene Ratiney

List of Publications by Year in descending order

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34
papers

643
citations

687363

13
h-index

580821

25
g-index

35
all docs

35
docs citations

35
times ranked

1021
citing authors

#	ARTICLE	IF	CITATIONS
1	Time-domain quantitation of 1 H short echo-time signals: background accommodation. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2004, 16, 284-296.	2.0	141
2	MR spectroscopic imaging of glutathione in the white and gray matter at 7 T with an application to multiple sclerosis. <i>Magnetic Resonance Imaging</i> , 2010, 28, 163-170.	1.8	114
3	Magnetic Resonance Spectroscopy Markers of Disease Progression in Multiple Sclerosis. <i>JAMA Neurology</i> , 2014, 71, 840.	9.0	57
4	Comparison of T ₁ and T ₂ metabolite relaxation times in glioma and normal brain at 3T. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 28, 342-350.	3.4	56
5	Results and interpretation of a fitting challenge for MR spectroscopy set up by the MRS study group of ISMRM. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 11-32.	3.0	30
6	Liver fat volume fraction quantification with fat and water T1 and T2* estimation and accounting for NMR multiple components in patients with chronic liver disease at 1.5 and 3.0 T. <i>European Radiology</i> , 2013, 23, 2175-2186.	4.5	29
7	Semi-parametric time-domain quantification of HR-MAS data from prostate tissue. <i>NMR in Biomedicine</i> , 2010, 23, 1146-1157.	2.8	24
8	Creatine, Glutamine plus Glutamate, and Macromolecules Are Decreased in the Central White Matter of Premature Neonates around Term. <i>PLoS ONE</i> , 2016, 11, e0160990.	2.5	20
9	Magnetic Resonance Spectroscopy Quantification Using Deep Learning. <i>Lecture Notes in Computer Science</i> , 2018, , 467-475.	1.3	20
10	3D Chemical Shift-Encoded MRI for Volume and Composition Quantification of Abdominal Adipose Tissue During an Overfeeding Protocol in Healthy Volunteers. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, 1587-1599.	3.4	17
11	Optimal control design of preparation pulses for contrast optimization in MRI. <i>Journal of Magnetic Resonance</i> , 2017, 279, 39-50.	2.1	15
12	In vivo hepatic lipid quantification using MRS at 7 Tesla in a mouse model of glycogen storage disease type 1a. <i>Journal of Lipid Research</i> , 2013, 54, 2010-2022.	4.2	14
13	Comparison of MRI-derived vs. traditional estimations of fatty acid composition from MR spectroscopy signals. <i>NMR in Biomedicine</i> , 2018, 31, e3991.	2.8	14
14	Dynamic magnetic resonance imaging with radial scanning: a post-acquisition keyhole approach. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2003, 16, 21-28.	2.0	11
15	Estimation of metabolite concentrations of healthy mouse brain by magnetic resonance spectroscopy at 7T. <i>Comptes Rendus Chimie</i> , 2006, 9, 534-538.	0.5	11
16	Chemical-Shift-Encoded Magnetic Resonance Imaging and Spectroscopy to Reveal Immediate and Long-Term Multi-Organs Composition Changes of a 14-Days Periodic Fasting Intervention: A Technological and Case Report. <i>Frontiers in Nutrition</i> , 2019, 6, 5.	3.7	11
17	Toward a quantitative analysis of in vivo proton magnetic resonance spectroscopic signals using the continuous Morlet wavelet transform. <i>Measurement Science and Technology</i> , 2009, 20, 104029.	2.6	8
18	Active control of the spatial MRI phase distribution with optimal control theory. <i>Journal of Magnetic Resonance</i> , 2017, 281, 82-93.	2.1	8

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19	Optimal control theory for applications in Magnetic Resonance Imaging. Pacific Journal of Mathematics for Industry, 2017, 9, .	0.7	7
20	A simplified framework to optimize MRI contrast preparation. Magnetic Resonance in Medicine, 2019, 81, 424-438.	3.0	6
21	Fast multidimensional NMR spectroscopy for sparse spectra. NMR in Biomedicine, 2014, 27, 640-655.	2.8	5
22	Quantification method using the Morlet wavelet for Magnetic Resonance Spectroscopic signals with macromolecular contamination. , 2008, 2008, 2681-4.		4
23	<i>In vivo</i> MRS for the assessment of mouse colon using a dedicated endorectal coil: initial findings. NMR in Biomedicine, 2017, 30, e3794.	2.8	4
24	Constant gradient elastography with optimal control RF pulses. Journal of Magnetic Resonance, 2018, 294, 153-161.	2.1	3
25	Polyphenol Supplementation Did Not Affect Insulin Sensitivity and Fat Deposition During One-Month Overfeeding in Randomized Placebo-Controlled Trials in Men and in Women. Frontiers in Nutrition, 2022, 9, .	3.7	3
26	Localized 2D COSY sequences: Method and experimental evaluation for a whole metabolite quantification approach. Journal of Magnetic Resonance, 2015, 260, 98-108.	2.1	2
27	Time samples selection in spiral acquisition for sparse magnetic resonance spectroscopic imaging. , 2017, , .		2
28	Harmonic wideband simultaneous dual-frequency MR Elastography. NMR in Biomedicine, 2021, 34, e4442.	2.8	2
29	Short echo time dual-frequency MR Elastography with Optimal Control RF pulses. Scientific Reports, 2022, 12, 1406.	3.3	2
30	Automatic myocardial ischemic lesion detection on magnetic resonance perfusion weighted imaging prior perfusion quantification: A pre-modeling strategy. Computers in Biology and Medicine, 2019, 110, 108-119.	7.0	1
31	MRI Contrast Enhancement of Magnetization Prepared Steady State Sequence: An Optimal Control Framework. , 2021, , .		1
32	Direct Comparison of Bayesian and Fermi Deconvolution Approaches for Myocardial Blood Flow Quantification: In silico and Clinical Validations. Frontiers in Physiology, 2021, 12, 483714.	2.8	1
33	Time Undersampled Acquisition for Multidimensional Sparse Signals with Application to Magnetic Resonance Spectroscopic Imaging. IEEE Transactions on Signal Processing, 2021, , 1-1.	5.3	0
34	Spurious phase correction in rapid metabolic imaging. Journal of Magnetic Resonance, 2021, 332, 107065.	2.1	0