Helene Ratiney

List of Publications by Year
in descending order

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	Results and interpretation of a fitting challenge for MR spectroscopy set up by the MRS study group of ISMRM. Magnetic Resonance in Medicine, 2022, 87, 11-32.	3.0	30
2	Short echo time dual-frequency MR Elastography with Optimal Control RF pulses. Scientific Reports, 2022, 12, 1406.	3.3	2
3	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
4	Harmonic wideband simultaneous dualâ€frequency MR Elastography. NMR in Biomedicine, 2021, 34, e4442.	2.8	2
5	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
6	MRI Contrast Enhancement of Magnetization Prepared Steady State Sequence: An Optimal Control Framework. , 2021, , .		1
7	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
8	Spurious phase correction in rapid metabolic imaging. Journal of Magnetic Resonance, 2021, 332, 107065.	2.1	0
9	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
10	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. Frontiers in Nutrition, 2019, 6, 5.	3.7	11
11	3D Chemical Shiftâ€Encoded MRI for Volume and Composition Quantification of Abdominal Adipose Tissue During an Overfeeding Protocol in Healthy Volunteers. Journal of Magnetic Resonance Imaging, 2019, 49, 1587-1599.	3.4	17
12	A simplified framework to optimize MRI contrast preparation. Magnetic Resonance in Medicine, 2019, 81, 424-438.	3.0	6
13	Comparison of MRIâ€derived vs. traditional estimations of fatty acid composition from MR spectroscopy signals. NMR in Biomedicine, 2018, 31, e3991.	2.8	14
14	Constant gradient elastography with optimal control RF pulses. Journal of Magnetic Resonance, 2018, 294, 153-161.	2.1	3
15	Magnetic Resonance Spectroscopy Quantification Using Deep Learning. Lecture Notes in Computer Science, 2018, , 467-475.	1.3	20
16	Optimal control design of preparation pulses for contrast optimization in MRI. Journal of Magnetic Resonance, 2017, 279, 39-50.	2.1	15
17	Active control of the spatial MRI phase distribution with optimal control theory. Journal of Magnetic Resonance, 2017, 281, 82-93.	2.1	8
18	In vivo MRS for the assessment of mouse colon using a dedicated endorectal coil: initial findings. NMR in Biomedicine, 2017, 30, e3794.	2.8	4

#	Article	IF	Citations
19	Time samples selection in spiral acquisition for sparse magnetic resonance spectroscopic imaging. , 2017, , .		2
20	Optimal control theory for applications in Magnetic Resonance Imaging. Pacific Journal of Mathematics for Industry, 2017, 9, .	0.7	7
21	Creatine, Glutamine plus Glutamate, and Macromolecules Are Decreased in the Central White Matter of Premature Neonates around Term. PLoS ONE, 2016, 11, e0160990.	2.5	20
22	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
23	Fast multidimensional NMR spectroscopy for sparse spectra. NMR in Biomedicine, 2014, 27, 640-655.	2.8	5
24	Magnetic Resonance Spectroscopy Markers of Disease Progression in Multiple Sclerosis. JAMA Neurology, 2014, 71, 840.	9.0	57
25	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. European Radiology, 2013, 23, 2175-2186.	4.5	29
26	In vivo hepatic lipid quantification using MRS at 7 Tesla in a mouse model of glycogen storage disease type 1a. Journal of Lipid Research, 2013, 54, 2010-2022.	4.2	14
27	MR spectroscopic imaging of glutathione in the white and gray matter at 7 T with an application to multiple sclerosis. Magnetic Resonance Imaging, 2010, 28, 163-170.	1.8	114
28	Semiâ€parametric timeâ€domain quantification of HRâ€MAS data from prostate tissue. NMR in Biomedicine, 2010, 23, 1146-1157.	2.8	24
29	Toward a quantitative analysis ofin vivoproton magnetic resonance spectroscopic signals using the continuous Morlet wavelet transform. Measurement Science and Technology, 2009, 20, 104029.	2.6	8
30	Comparison of T₁ and T₂ metabolite relaxation times in glioma and normal brain at 3T. Journal of Magnetic Resonance Imaging, 2008, 28, 342-350.	3.4	56
31	Quantification method using the Morlet wavelet for Magnetic Resonance Spectroscopic signals with macromolecular contamination. , 2008, 2008, 2681-4.		4
32	Estimation of metabolite concentrations of healthy mouse brain by magnetic resonance spectroscopy at 7ÂT. Comptes Rendus Chimie, 2006, 9, 534-538.	0.5	11
33	Time-domain quantitation of 1 H short echo-time signals: background accommodation. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2004, 16, 284-296.	2.0	141
34	Dynamic magnetic resonance imaging with radial scanning: a post-acquisition keyhole approach. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2003, 16, 21-28.	2.0	11