

Helge J ZÃ¶llner

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

660
citations

932766

10
h-index

713013

21
g-index

31
all docs

31
docs citations

31
times ranked

593
citing authors

#	ARTICLE	IF	CITATIONS
1	Big GABA: Edited MR spectroscopy at 24 research sites. <i>NeuroImage</i> , 2017, 159, 32-45.	2.1	143
2	Osprey: Open-source processing, reconstruction & estimation of magnetic resonance spectroscopy data. <i>Journal of Neuroscience Methods</i> , 2020, 343, 108827.	1.3	108
3	Big GABA II: Water-referenced edited MR spectroscopy at 25 research sites. <i>NeuroImage</i> , 2019, 191, 537-548.	2.1	76
4	Comparison of different linear combination modeling algorithms for short-TE proton spectra. <i>NMR in Biomedicine</i> , 2021, 34, e4482.	1.6	53
5	Biallelic mutation of human <i>SLC6A6</i> encoding the taurine transporter TAUT is linked to early retinal degeneration. <i>FASEB Journal</i> , 2019, 33, 11507-11527.	0.2	36
6	Comparison of Multivendor Single-Voxel MR Spectroscopy Data Acquired in Healthy Brain at 26 Sites. <i>Radiology</i> , 2020, 295, 171-180.	3.6	31
7	Frequency drift in MR spectroscopy at 3T. <i>NeuroImage</i> , 2021, 241, 118430.	2.1	28
8	Comparison of linear combination modeling strategies for edited magnetic resonance spectroscopy at 3ÅT. <i>NMR in Biomedicine</i> , 2022, 35, e4618.	1.6	26
9	Frequency and phase correction of J-difference edited MR spectra using deep learning. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 1755-1765.	1.9	23
10	Comparison of seven modelling algorithms for $\hat{1}^3$ -aminobutyric acid-edited proton magnetic resonance spectroscopy. <i>NMR in Biomedicine</i> , 2022, 35, e4702.	1.6	20
11	<code><scp>MRSCloud</scp></code> : A cloud-based <code><scp>MRS</scp></code> tool for basis set simulation. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 1994-2004.	1.9	19
12	The macromolecular MR spectrum does not change with healthy aging. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 1711-1719.	1.9	18
13	High $\hat{1}^3$ -Aminobutyric Acid Content Within the Medial Prefrontal Cortex Is a Functional Signature of Somatic Symptoms Disorder in Patients With Parkinson's Disease. <i>Movement Disorders</i> , 2020, 35, 2184-2192.	2.2	15
14	Spectral diffusion analysis of kidney intravoxel incoherent motion MRI in healthy volunteers and patients with renal pathologies. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 3085-3095.	1.9	14
15	J-difference-edited MRS measures of $\hat{1}^3$ -aminobutyric acid before and after acute caffeine administration. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 2356-2365.	1.9	7
16	Importance of Linear Combination Modeling for Quantification of Glutathione and $\hat{1}^3$ -Aminobutyric Acid Levels Using Hadamard-Edited Magnetic Resonance Spectroscopy. <i>Frontiers in Psychiatry</i> , 2022, 13, 872403.	1.3	7
17	Ammonia-weighted imaging by chemical exchange saturation transfer MRI at 3ÅT. <i>NMR in Biomedicine</i> , 2018, 31, e3947.	1.6	6
18	Chemical exchange saturation transfer imaging in hepatic encephalopathy. <i>NeuroImage: Clinical</i> , 2019, 22, 101743.	1.4	5

#	ARTICLE	IF	CITATIONS
19	In vivo spectral editing of phosphorylethanolamine. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 50-56.	1.9	4
20	Influence of editing pulse flip angle on J-difference MR spectroscopy. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 589-596.	1.9	4
21	In silico GABA+ MEGA-PRESS: Effects of signal-to-noise ratio and linewidth on modeling the 3 ppm GABA+ resonance. <i>NMR in Biomedicine</i> , 2021, 34, e4410.	1.6	3
22	Edited magnetic resonance spectroscopy in the neonatal brain. <i>Neuroradiology</i> , 2022, 64, 217-232.	1.1	2