Eva Heckova

List of Publications by Year
in descending order

26 papers	545 citations	687220 13 h-index	713332 21 g-index
26 all docs	26 docs citations	26 times ranked	498 citing authors

#	Article	IF	Citations
1	Ultra-high resolution brain metabolite mapping at 7 T by short-TR Hadamard-encoded FID-MRSI. NeuroImage, 2018, 168, 199-210.	2.1	77
2	Clinical High-Resolution 3D-MR Spectroscopic Imaging of the Human Brain at 7 T. Investigative Radiology, 2020, 55, 239-248.	3.5	50
3	Simultaneous mapping of metabolites and individual macromolecular components via ultraâ€short acquisition delay ¹H MRSI in the brain at 7T. Magnetic Resonance in Medicine, 2018, 79, 1231-1240.	1.9	43
4	High-resolution metabolic imaging of high-grade gliomas using 7T-CRT-FID-MRSI. NeuroImage: Clinical, 2020, 28, 102433.	1.4	37
5	Densityâ€weighted concentric circle trajectories for high resolution brain magnetic resonance spectroscopic imaging at 7T. Magnetic Resonance in Medicine, 2018, 79, 2874-2885.	1.9	35
6	High-resolution metabolic mapping of gliomas via patch-based super-resolution magnetic resonance spectroscopic imaging at 7T. NeuroImage, 2019, 191, 587-595.	2.1	33
7	Hippocampal GABA levels correlate with retrieval performance in an associative learning paradigm. NeuroImage, 2020, 204, 116244.	2.1	33
8	Mapping an Extended Neurochemical Profile at 3 and 7 T Using Accelerated High-Resolution Proton Magnetic Resonance Spectroscopic Imaging. Investigative Radiology, 2017, 52, 631-639.	3.5	30
9	Frequency drift in MR spectroscopy at 3T. NeuroImage, 2021, 241, 118430.	2.1	28
10	Nonâ€Cartesian GRAPPA and coil combination using interleaved calibration data â€“ application to concentricâ€ring MRSI of the human brain at 7T. Magnetic Resonance in Medicine, 2019, 82, 1587-1603.	1.9	27
11	The influence of spatial resolution on the spectral quality and quantification accuracy of wholeâ€brain MRSI at 1.5T, 3T, 7T, and 9.4T. Magnetic Resonance in Medicine, 2019, 82, 551-565.	1.9	22
12	Automated ROI-Based Labeling for Multi-Voxel Magnetic Resonance Spectroscopy Data Using FreeSurfer. Frontiers in Molecular Neuroscience, 2019, 12, 28.	1.4	20
13	Real-time Correction of Motion and Imager Instability Artifacts during 3D Î³-Aminobutyric Acidâ€“edited MR Spectroscopic Imaging. Radiology, 2018, 286, 666-675.	3.6	17
14	7 T Magnetic Resonance Spectroscopic Imaging in Multiple Sclerosis. Investigative Radiology, 2019, 54, 247-254.	3.5	17
15	Effects of different macromolecular models on reproducibility of FIDâ€MRSI at 7T. Magnetic Resonance in Medicine, 2020, 83, 12-21.	1.9	14
16	Extensive Brain Pathologic Alterations Detected with 7.0-T MR Spectroscopic Imaging Associated with Disability in Multiple Sclerosis. Radiology, 2022, 303, 141-150.	3.6	14
17	Emerging methods and applications of ultra-high field MR spectroscopic imaging in the human brain. Analytical Biochemistry, 2022, 638, 114479.	1.1	11
18	Interâ€subject stability and regional concentration estimates of 3Dâ€FIDâ€MRSI in the human brain at 7 T. NMR in Biomedicine, 2021, 34, e4596.	1.6	10

#	Article	IF	Citations
19	kâ€Spaceâ€based coil combination via geometric deep learning for reconstruction of nonâ€Cartesian MRSI data. Magnetic Resonance in Medicine, 2021, 86, 2353-2367.	1.9	7
20	Neurocognitive performance in relapsing-remitting multiple sclerosis patients is associated with metabolic abnormalities of the thalamus but not the hippocampusâ€“ GABA-edited 1H MRS study. Neurological Research, 2022, 44, 57-64.	0.6	6
21	Cardiac autonomic function in patients with early multiple sclerosis. Clinical Autonomic Research, 2021, 31, 553-562.	1.4	5
22	Positivity of oligoclonal bands in the cerebrospinal fluid predisposed to metabolic changes and rearrangement of inhibitory/excitatory neurotransmitters in subcortical brain structures in multiple sclerosis. Multiple Sclerosis and Related Disorders, 2021, 52, 102978.	0.9	5
23	7T HR FID-MRSI Compared to Amino Acid PET: Glutamine and Glycine as Promising Biomarkers in Brain Tumors. Cancers, 2022, 14, 2163.	1.7	3
24	Effects of Short- and Long-Term Aerobic-Strength Training and Determinants of Walking Speed in the Elderly. Gerontology, 2022, 68, 151-161.	1.4	1
25	[P2â€“021]: EFFECTS OF ENDURANCEâ€STRENGTH TRAINING ON MOTOR FUNCTIONS, COGNITION AND GLUCOSE METABOLISM IN PATIENTS WITH PARKINSON'S DISEASE. Alzheimer's and Dementia, 2017, 13, P612.	0.4	0
26	BIMG-04. MAPPING HETEROGENEITY OF HIGH-GRADE GLIOMA METABOLISM USING HIGH RESOLUTION 7T MRSI. Neuro-Oncology Advances, 2021, 3, i1-i1.	0.4	0