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	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
2	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
3	Emerging methods and applications of ultra-high field MR spectroscopic imaging in the human brain. Analytical Biochemistry, 2022, 638, 114479.	1.1	11
4	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
5	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
6	BIMG-04. MAPPING HETEROGENEITY OF HIGH-GRADE GLIOMA METABOLISM USING HIGH RESOLUTION 7T MRSI. Neuro-Oncology Advances, 2021, 3, i1-i1.	0.4	0
7	Cardiac autonomic function in patients with early multiple sclerosis. Clinical Autonomic Research, 2021, 31, 553-562.	1.4	5
8	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
9	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
10	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
11	Frequency drift in MR spectroscopy at 3T. NeuroImage, 2021, 241, 118430.	2.1	28
12	Hippocampal GABA levels correlate with retrieval performance in an associative learning paradigm. NeuroImage, 2020, 204, 116244.	2.1	33
13	Effects of different macromolecular models on reproducibility of FIDâ€MRSI at 7T. Magnetic Resonance in Medicine, 2020, 83, 12-21.	1.9	14
14	Clinical High-Resolution 3D-MR Spectroscopic Imaging of the Human Brain at 7 T. Investigative Radiology, 2020, 55, 239-248.	3.5	50
15	High-resolution metabolic imaging of high-grade gliomas using 7T-CRT-FID-MRSI. NeuroImage: Clinical, 2020, 28, 102433.	1.4	37
16	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
17	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
18	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

#	Article	IF	Citations
19	Automated ROI-Based Labeling for Multi-Voxel Magnetic Resonance Spectroscopy Data Using FreeSurfer. Frontiers in Molecular Neuroscience, 2019, 12, 28.	1.4	20
20	7 T Magnetic Resonance Spectroscopic Imaging in Multiple Sclerosis. Investigative Radiology, 2019, 54, 247-254.	3.5	17
21	Ultra-high resolution brain metabolite mapping at 7 T by short-TR Hadamard-encoded FID-MRSI. NeuroImage, 2018, 168, 199-210.	2.1	77
22	Simultaneous mapping of metabolites and individual macromolecular components via ultraâ€šshort acquisition delay ¹H MRSI in the brain at 7T. Magnetic Resonance in Medicine, 2018, 79, 1231-1240.	1.9	43
23	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
24	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
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	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