

Eva Heckova

List of Publications by Year in descending order

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Version: 2024-02-01

26

papers

545

citations

687363

13

h-index

713466

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. <i>Gerontology</i> , 2022, 68, 151-161.	2.8	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. <i>Neurological Research</i> , 2022, 44, 57-64.	1.3	6
3	Emerging methods and applications of ultra-high field MR spectroscopic imaging in the human brain. <i>Analytical Biochemistry</i> , 2022, 638, 114479.	2.4	11
4	Extensive Brain Pathologic Alterations Detected with 7.0-T MR Spectroscopic Imaging Associated with Disability in Multiple Sclerosis. <i>Radiology</i> , 2022, 303, 141-150.	7.3	14
5	7T HR FID-MRSI Compared to Amino Acid PET: Glutamine and Glycine as Promising Biomarkers in Brain Tumors. <i>Cancers</i> , 2022, 14, 2163.	3.7	3
6	BIMG-04. MAPPING HETEROGENEITY OF HIGH-GRADE GLIOMA METABOLISM USING HIGH RESOLUTION 7T MRSI. <i>Neuro-Oncology Advances</i> , 2021, 3, i1-i1.	0.7	0
7	Cardiac autonomic function in patients with early multiple sclerosis. <i>Clinical Autonomic Research</i> , 2021, 31, 553-562.	2.5	5
8	â€“Spaceâ€“based coil combination via geometric deep learning for reconstruction of nonâ€“Cartesian MRSI data. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 2353-2367.	3.0	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. <i>Multiple Sclerosis and Related Disorders</i> , 2021, 52, 102978.	2.0	5
10	Interâ€“subject stability and regional concentration estimates of 3Dâ€“FIDâ€“MRSI in the human brain at 7 T. <i>NMR in Biomedicine</i> , 2021, 34, e4596.	2.8	10
11	Frequency drift in MR spectroscopy at 3T. <i>NeuroImage</i> , 2021, 241, 118430.	4.2	28
12	Hippocampal GABA levels correlate with retrieval performance in an associative learning paradigm. <i>NeuroImage</i> , 2020, 204, 116244.	4.2	33
13	Effects of different macromolecular models on reproducibility of FIDâ€“MRSI at 7T. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 12-21.	3.0	14
14	Clinical High-Resolution 3D-MR Spectroscopic Imaging of the Human Brain at 7 T. <i>Investigative Radiology</i> , 2020, 55, 239-248.	6.2	50
15	High-resolution metabolic imaging of high-grade gliomas using 7T-CRT-FID-MRSI. <i>NeuroImage: Clinical</i> , 2020, 28, 102433.	2.7	37
16	Nonâ€“Cartesian GRAPPA and coil combination using interleaved calibration data â€“ application to concentricâ€“ring MRSI of the human brain at 7T. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 1587-1603.	3.0	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. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 551-565.	3.0	22
18	High-resolution metabolic mapping of gliomas via patch-based super-resolution magnetic resonance spectroscopic imaging at 7T. <i>NeuroImage</i> , 2019, 191, 587-595.	4.2	33

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19	Automated ROI-Based Labeling for Multi-Voxel Magnetic Resonance Spectroscopy Data Using FreeSurfer. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 28.	2.9	20
20	7 T Magnetic Resonance Spectroscopic Imaging in Multiple Sclerosis. <i>Investigative Radiology</i> , 2019, 54, 247-254.	6.2	17
21	Ultra-high resolution brain metabolite mapping at 7 T by short-TR Hadamard-encoded FID-MRSI. <i>NeuroImage</i> , 2018, 168, 199-210.	4.2	77
22	Simultaneous mapping of metabolites and individual macromolecular components via ultra-short acquisition delay ¹ H MRSI in the brain at 7T. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 1231-1240.	3.0	43
23	Real-time Correction of Motion and Imager Instability Artifacts during 3D ¹³ -Aminobutyric Acid-edited MR Spectroscopic Imaging. <i>Radiology</i> , 2018, 286, 666-675.	7.3	17
24	Density-weighted concentric circle trajectories for high resolution brain magnetic resonance spectroscopic imaging at 7T. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 2874-2885.	3.0	35
25	[P2a021]: EFFECTS OF ENDURANCE-STRENGTH TRAINING ON MOTOR FUNCTIONS, COGNITION AND GLUCOSE METABOLISM IN PATIENTS WITH PARKINSON'S DISEASE. <i>Alzheimer's and Dementia</i> , 2017, 13, P612.	0.8	0
26	Mapping an Extended Neurochemical Profile at 3 and 7 T Using Accelerated High-Resolution Proton Magnetic Resonance Spectroscopic Imaging. <i>Investigative Radiology</i> , 2017, 52, 631-639.	6.2	30