Michal Povazan

List of Publications by Year
in descending order

26	945	471509 17	552781 26
papers	citations	h-index	g-index

28	28	28	781
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Psilocybin therapy increases cognitive and neural flexibility in patients with major depressive disorder. Translational Psychiatry, 2021, 11, 574.	4.8	115
2	Contribution of macromolecules to brain ¹H MR spectra: Experts' consensus recommendations. NMR in Biomedicine, 2021, 34, e4393.	2.8	92
3	Ultra-high resolution brain metabolite mapping at 7 T by short-TR Hadamard-encoded FID-MRSI. NeuroImage, 2018, 168, 199-210.	4.2	77
4	Mapping of brain macromolecules and their use for spectral processing of 1 H-MRSI data with an ultra-short acquisition delay at 7 T. NeuroImage, 2015, 121, 126-135.	4.2	62
5	Comparison of different linearâ€combination modeling algorithms for shortâ€TE proton spectra. NMR in Biomedicine, 2021, 34, e4482.	2.8	53
6	Lipid suppression via double inversion recovery with symmetric frequency sweep for robust 2Dâ€GRAPPAâ€accelerated MRSI of the brain at 7â€‰T. NMR in Biomedicine, 2015, 28, 1413-1425.	2.8	48
7	(2â€‰+â€‰1)D-CAIPIRINHA accelerated MR spectroscopic imaging of the brain at 7T. Magnetic Resonance in Medicine, 2017, 78, 429-440.	3.0	46
8	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.	3.0	43
9	In vivo³¹P magnetic resonance spectroscopy of the human liver at 7â€‰T: an initial experience. NMR in Biomedicine, 2014, 27, 478-485.	2.8	38
10	Spatial variability and reproducibility of GABAâ€edited MEGAâ€LASER 3Dâ€MRSI in the brain at 3ÂT. NMR in Biomedicine, 2016, 29, 1656-1665.	2.8	36
11	Densityâ€weighted concentric circle trajectories for high resolution brain magnetic resonance spectroscopic imaging at 7T. Magnetic Resonance in Medicine, 2018, 79, 2874-2885.	3.0	35
12	Whole-slice mapping of GABA and GABA+ at 7T via adiabatic MEGA-editing, real-time instability correction, and concentric circle readout. NeuroImage, 2019, 184, 475-489.	4.2	35
13	Water and lipid suppression techniques for advanced ¹H MRS and MRSI of the human brain: Experts' consensus recommendations. NMR in Biomedicine, 2021, 34, e4459.	2.8	34
14	High-resolution metabolic mapping of gliomas via patch-based super-resolution magnetic resonance spectroscopic imaging at 7T. NeuroImage, 2019, 191, 587-595.	4.2	33
15	Comparison of Multivendor Single-Voxel MR Spectroscopy Data Acquired in Healthy Brain at 26 Sites. Radiology, 2020, 295, 171-180.	7.3	31
16	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.	6.2	30
17	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
18	Oneâ€dimensional imageâ€selected in vivo spectroscopy localized phosphorus saturation transfer at 7T. Magnetic Resonance in Medicine, 2014, 72, 1509-1515.	3.0	17

#	Article	IF	Citations
19	Real-time Correction of Motion and Imager Instability Artifacts during 3D Î³-Aminobutyric Acidâ€“edited MR Spectroscopic Imaging. Radiology, 2018, 286, 666-675.	7.3	17
20	7 T Magnetic Resonance Spectroscopic Imaging in Multiple Sclerosis. Investigative Radiology, 2019, 54, 247-254.	6.2	17
21	Flipâ€angle mapping of ³¹P coils by steadyâ€state MR spectroscopic imaging. Journal of Magnetic Resonance Imaging, 2014, 40, 391-397.	3.4	14
22	Effects of different macromolecular models on reproducibility of FIDâ€MRSI at 7T. Magnetic Resonance in Medicine, 2020, 83, 12-21.	3.0	14
23	Water removal in MR spectroscopic imaging with L2 regularization. Magnetic Resonance in Medicine, 2019, 82, 1278-1287.	3.0	10
24	Magnetic resonance spectroscopic imaging of downfield proton resonances in the human brain at 3 T. Magnetic Resonance in Medicine, 2022, 87, 1661-1672.	3.0	7
25	Calibrationâ€free regional RF shims for MRS. Magnetic Resonance in Medicine, 2021, 86, 611-624.	3.0	4
26	Estimation and removal of spurious echo artifacts in singleâ€voxel MRS using sensitivity encoding. Magnetic Resonance in Medicine, 2021, 86, 2339-2352.	3.0	3