

# Michal Povazan

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

945  
citations

471509

17  
h-index

552781

26  
g-index

28  
all docs

28  
docs citations

28  
times ranked

781  
citing authors

#	ARTICLE	IF	CITATIONS
1	Results and interpretation of a fitting challenge for MR spectroscopy set up by the MRS study group of ISMRM. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 11-32.	3.0	30
2	Magnetic resonance spectroscopic imaging of downfield proton resonances in the human brain at 3 T. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 1661-1672.	3.0	7
3	Contribution of macromolecules to brain <sup>1</sup> H MR spectra: Experts' consensus recommendations. <i>NMR in Biomedicine</i> , 2021, 34, e4393.	2.8	92
4	Comparison of different linear combination modeling algorithms for short-TE proton spectra. <i>NMR in Biomedicine</i> , 2021, 34, e4482.	2.8	53
5	Calibration-free regional RF shims for MRS. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 611-624.	3.0	4
6	Estimation and removal of spurious echo artifacts in single-voxel MRS using sensitivity encoding. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 2339-2352.	3.0	3
7	Water and lipid suppression techniques for advanced <sup>1</sup> H MRS and MRSI of the human brain: Experts' consensus recommendations. <i>NMR in Biomedicine</i> , 2021, 34, e4459.	2.8	34
8	Psilocybin therapy increases cognitive and neural flexibility in patients with major depressive disorder. <i>Translational Psychiatry</i> , 2021, 11, 574.	4.8	115
9	Effects of different macromolecular models on reproducibility of FID-MRSI at 7T. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 12-21.	3.0	14
10	Comparison of Multivendor Single-Voxel MR Spectroscopy Data Acquired in Healthy Brain at 26 Sites. <i>Radiology</i> , 2020, 295, 171-180.	7.3	31
11	Water removal in MR spectroscopic imaging with L2 regularization. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 1278-1287.	3.0	10
12	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
13	7 T Magnetic Resonance Spectroscopic Imaging in Multiple Sclerosis. <i>Investigative Radiology</i> , 2019, 54, 247-254.	6.2	17
14	Whole-slice mapping of GABA and GABA+ at 7T via adiabatic MEGA-editing, real-time instability correction, and concentric circle readout. <i>NeuroImage</i> , 2019, 184, 475-489.	4.2	35
15	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
16	Simultaneous mapping of metabolites and individual macromolecular components via ultra-short acquisition delay <sup>1</sup> H MRSI in the brain at 7T. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 1231-1240.	3.0	43
17	Real-time Correction of Motion and Imager Instability Artifacts during 3D <sup>13</sup> Aminobutyric Acid-edited MR Spectroscopic Imaging. <i>Radiology</i> , 2018, 286, 666-675.	7.3	17
18	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

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19	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
20	(2D+1)D-CAIPIRINHA accelerated MR spectroscopic imaging of the brain at 7T. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 429-440.	3.0	46
21	Spatial variability and reproducibility of GABA-edited MEGA-LASER 3D-MRSI in the brain at 3T. <i>NMR in Biomedicine</i> , 2016, 29, 1656-1665.	2.8	36
22	Lipid suppression via double inversion recovery with symmetric frequency sweep for robust 2D-GRAPPA-accelerated MRSI of the brain at 7T. <i>NMR in Biomedicine</i> , 2015, 28, 1413-1425.	2.8	48
23	Mapping of brain macromolecules and their use for spectral processing of 1 H-MRSI data with an ultra-short acquisition delay at 7 T. <i>NeuroImage</i> , 2015, 121, 126-135.	4.2	62
24	<i>In vivo</i> <sup>31</sup> P magnetic resonance spectroscopy of the human liver at 7T: an initial experience. <i>NMR in Biomedicine</i> , 2014, 27, 478-485.	2.8	38
25	Flip-angle mapping of <sup>31</sup> P coils by steady-state MR spectroscopic imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 40, 391-397.	3.4	14
26	One-dimensional image-selected <i>in vivo</i> spectroscopy localized phosphorus saturation transfer at 7T. <i>Magnetic Resonance in Medicine</i> , 2014, 72, 1509-1515.	3.0	17