Alexander Gussew

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Functional connectivity and neurotransmitter impairments of the salience brain network in chronic low back pain patients: a combined resting-state functional magnetic resonance imaging and 1H-MRS study. Pain, 2022, 163, 2337-2347.	4.2	8
2	Comparison of metabolic adaptations between endurance―and sprintâ€ŧrained athletes after an exhaustive exercise in two different calf muscles using a multiâ€slice ³¹ Pâ€MR spectroscopic sequence. NMR in Biomedicine, 2018, 31, e3889.	2.8	6
3	Difference optimization: Automatic correction of relative frequency and phase for mean non-edited and edited GABA 1 H MEGA-PRESS spectra. Journal of Magnetic Resonance, 2017, 279, 16-21.	2.1	6
4	Assessment of intra- and inter-regional interrelations between GABA+, Glx and BOLD during pain perception in the human brain – A combined 1H fMRS and fMRI study. Neuroscience, 2017, 365, 125-136.	2.3	22
5	Age-related structural and functional changes of low back muscles. Experimental Gerontology, 2015, 65, 23-34.	2.8	11
6	In vivo detection of acute pain-induced changes of GABA+ and Glx in the human brain by using functional 1H MEGA-PRESS MR spectroscopy. NeuroImage, 2015, 105, 67-75.	4.2	73
7	MR-compatible pedal ergometer for reproducible exercising of the human calf muscle. Medical Engineering and Physics, 2014, 36, 933-937.	1.7	13
8	Absolute quantitation of brain metabolites with respect to heterogeneous tissue compositions in 1H-MR spectroscopic volumes. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2012, 25, 321-333.	2.0	64
9	1H-MR spectroscopic detection of metabolic changes in pain processing brain regions in the presence of non-specific chronic low back pain. NeuroImage, 2011, 54, 1315-1323.	4.2	64