

Antoine Klauser

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

289
citations

759233

12
h-index

888059

17
g-index

21
all docs

21
docs citations

21
times ranked

475
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin-Exchange Dynamical Structure Factor of the $S=1/2$ Heisenberg Chain. Physical Review Letters, 2011, 106, 157205.	7.8	40
2	Metabolites predict lesion formation and severity in relapsing-remitting multiple sclerosis. Multiple Sclerosis Journal, 2018, 24, 491-500.	3.0	24
3	Quantitative MR spectroscopic imaging in metachromatic leukodystrophy: value for prognosis and treatment. Journal of Neurology, Neurosurgery and Psychiatry, 2018, 89, 105-111.	1.9	24
4	Longitudinal absolute metabolite quantification of white and gray matter regions in healthy controls using proton MR spectroscopic imaging. NMR in Biomedicine, 2014, 27, 304-311.	2.8	23
5	Fast high-resolution brain metabolite mapping on a clinical 3T MRI by accelerated H^1 FID-MRSI and low-rank constrained reconstruction. Magnetic Resonance in Medicine, 2019, 81, 2841-2857.	3.0	23
6	Magnetic resonance spectroscopic imaging at superresolution: Overview and perspectives. Journal of Magnetic Resonance, 2016, 263, 193-208.	2.1	19
7	Polarization suppression and nonmonotonic local two-body correlations in the two-component Bose gas in one dimension. Physical Review A, 2009, 80, .	2.5	18
8	Multi-scale MRI spectrum detects differences in myelin integrity between MS lesion types. Multiple Sclerosis Journal, 2016, 22, 1569-1577.	3.0	17
9	Equilibrium thermodynamic properties of interacting two-component bosons in one dimension. Physical Review A, 2011, 84, .	2.5	16
10	Enhanced Axonal Metabolism during Early Natalizumab Treatment in Relapsing-Remitting Multiple Sclerosis. American Journal of Neuroradiology, 2015, 36, 1116-1123.	2.4	16
11	Ex Vivo Analysis of Kidney Graft Viability Using ^{31}P Magnetic Resonance Imaging Spectroscopy. Transplantation, 2020, 104, 1825-1831.	1.0	15
12	Molecular oxygen loading in candidate theranostic droplets stabilized with biocompatible fluorinated surfactants: Particle size effect and application to in situ ^{19}F MRI mapping of oxygen partial pressure. Journal of Magnetic Resonance, 2018, 295, 27-37.	2.1	13
13	Whole-brain high-resolution metabolite mapping with 3D compressed-sensing SENSE low-rank H^1 FID-MRSI. NMR in Biomedicine, 2022, 35, e4615.	2.8	10
14	Achieving high-resolution 1H -MRSI of the human brain with compressed-sensing and low-rank reconstruction at 7 Tesla. Journal of Magnetic Resonance, 2021, 331, 107048.	2.1	9
15	Super-resolution reconstruction of T_2 -weighted thick-slice neonatal brain MRI scans. Journal of Neuroimaging, 2022, 32, 68-79.	2.0	8
16	Adjacent spin operator dynamical structure factor of the $S=1/2$ Heisenberg chain. Journal of Statistical Mechanics: Theory and Experiment, 2012, 2012, P03012.	2.3	7
17	Impact of an intra-abdominal cooling device during open kidney transplantation in pigs. Swiss Medical Weekly, 2019, 149, w20143.	1.6	3
18	Metabolic changes in the cingulate gyrus, precuneus, and white matter in anorexia nervosa using multivoxel MR spectroscopy. Journal of Neuroimaging, 2021, 31, 1099-1110.	2.0	2

#	ARTICLE	IF	CITATIONS
19	New Insight in Hyperinsulinism/Hyperammonemia Syndrome by Magnetic Resonance Imaging and Spectroscopy. Brain Sciences, 2022, 12, 389.	2.3	1