

Albrecht Ingo Schmid

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

856
citations

471371

17
h-index

580701

25
g-index

25
all docs

25
docs citations

25
times ranked

1234
citing authors

#	ARTICLE	IF	CITATIONS
1	Liver ATP Synthesis Is Lower and Relates to Insulin Sensitivity in Patients With Type 2 Diabetes. <i>Diabetes Care</i> , 2011, 34, 448-453.	4.3	177
2	Abnormal hepatic energy homeostasis in type 2 diabetes. <i>Hepatology</i> , 2009, 50, 1079-1086.	3.6	166
3	Impaired Mitochondrial Function and Insulin Resistance of Skeletal Muscle in Mitochondrial Diabetes. <i>Diabetes Care</i> , 2009, 32, 677-679.	4.3	64
4	Body and Liver Fat Mass Rather Than Muscle Mitochondrial Function Determine Glucose Metabolism in Women With a History of Gestational Diabetes Mellitus. <i>Diabetes Care</i> , 2011, 34, 430-436.	4.3	42
5	Semi-LASER localized dynamic ³¹ P magnetic resonance spectroscopy in exercising muscle at ultra-high magnetic field. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 1207-1215.	1.9	39
6	Dynamic ASL and T2* -weighted MRI in exercising calf muscle at 7 T: A feasibility study. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 1190-1195.	1.9	39
7	Exercising calf muscle changes correlate with pH, PCr recovery and maximum oxidative phosphorylation. <i>NMR in Biomedicine</i> , 2014, 27, 553-560.	1.6	31
8	Dynamic PCr and pH imaging of human calf muscles during exercise and recovery using ³¹ P gradient-echo MRI at 7 Tesla. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 2324-2331.	1.9	31
9	Interrelation of ³¹ P-MRS metabolism measurements in resting and exercised quadriceps muscle of overweight-to-obese sedentary individuals. <i>NMR in Biomedicine</i> , 2013, 26, 1714-1722.	1.6	29
10	Simultaneous and interleaved acquisition of ¹ H NMR signals from different nuclei with a clinical MRI scanner. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 1636-1641.	1.9	29
11	Reduced Basal ATP Synthetic Flux of Skeletal Muscle in Patients with Previous Acromegaly. <i>PLoS ONE</i> , 2008, 3, e3958.	1.1	29
12	Lower Fasting Muscle Mitochondrial Activity Relates to Hepatic Steatosis in Humans. <i>Diabetes Care</i> , 2014, 37, 468-474.	4.3	26
13	A Single Nucleotide Polymorphism Associates With the Response of Muscle ATP Synthesis to Long-Term Exercise Training in Relatives of Type 2 Diabetic Humans. <i>Diabetes Care</i> , 2012, 35, 350-357.	4.3	25
14	Skeletal Muscle Phosphodiester Content Relates to Body Mass and Glycemic Control. <i>PLoS ONE</i> , 2011, 6, e21846.	1.1	22
15	Heme arginate improves reperfusion patterns after ischemia: a randomized, placebo-controlled trial in healthy male subjects. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012, 14, 35.	1.6	22
16	Interleaved ³¹ P MRS/ ¹ H ASL for analysis of metabolic and functional heterogeneity along human lower leg muscles at 7T. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 1909-1919.	1.9	20
17	Multi-turn multi-gap transmission line resonators – Concept, design and first implementation at 4.7 T and 7 T. <i>Journal of Magnetic Resonance</i> , 2016, 273, 65-72.	1.2	18
18	Automatic model-based analysis of skeletal muscle BOLD-MRI in reactive hyperemia. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 38, 963-969.	1.9	12

#	ARTICLE	IF	CITATIONS
19	Quantifying the effect of dobutamine stress on myocardial Pi and pH in healthy volunteers: A ³¹ P MRS study at 7T. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 1147-1159.	1.9	12
20	Simultaneous Multiple Resonance Frequency imaging (SMURF): Fat-water imaging using multi-band principles. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 1379-1396.	1.9	8
21	Investigating the effect of trigger delay on cardiac 31P MRS signals. <i>Scientific Reports</i> , 2021, 11, 9268.	1.6	6
22	Increased cardiac Pi/PCr in the diabetic heart observed using phosphorus magnetic resonance spectroscopy at 7T. <i>PLoS ONE</i> , 2022, 17, e0269957.	1.1	4
23	Evaluation of Acute Supplementation With the Ketone Ester (R)-3-Hydroxybutyl-(R)-3-Hydroxybutyrate (deltaC) in Healthy Volunteers by Cardiac and Skeletal Muscle 31P Magnetic Resonance Spectroscopy. <i>Frontiers in Physiology</i> , 2022, 13, 793987.	1.3	3
24	Simultaneous and interleaved acquisition of NMR signals from different nuclei with a clinical MRI scanner. <i>Magnetic Resonance in Medicine</i> , 2016, 76, spcone-spcone.	1.9	1
25	A Flexible Array for Cardiac 31P MR Spectroscopy at 7 T. <i>Frontiers in Physics</i> , 2020, 8, .	1.0	1