Jeanine J Prompers

List of Publications by Year
in descending order

33 papers	940 citations	516710 16 h-index	477307 29 g-index
33 all docs	33 docs citations	33 times ranked	1965 citing authors

#	Article	IF	Citations
1	Residual quadrupolar couplings observed in 7 Tesla deuterium MR spectra of skeletal muscle. Magnetic Resonance in Medicine, 2022, 87, 1165-1173.	3.0	8
2	PCA denoising and Wiener deconvolution of ³¹P 3D CSI data to enhance effective SNR and improve point spread function. Magnetic Resonance in Medicine, 2021, 85, 2992-3009.	3.0	15
3	³¹P magnetic resonance spectroscopy in skeletal muscle: Experts' consensus recommendations. NMR in Biomedicine, 2021, 34, e4246.	2.8	81
4	On the magnetic field dependence of deuterium metabolic imaging. NMR in Biomedicine, 2020, 33, e4235.	2.8	46
5	Metabolite cycled liver 1 H MRS on a 7 T parallel transmit system. NMR in Biomedicine, 2020, 33, e4343.	2.8	6
6	Analysis of chemical exchange saturation transfer contributions from brain metabolites to the Z-spectra at various field strengths and pH. Scientific Reports, 2019, 9, 1089.	3.3	40
7	Increased cardiac fatty acid oxidation in a mouse model with decreased malonyl-CoA sensitivity of CPT1B. Cardiovascular Research, 2018, 114, 1324-1334.	3.8	37
8	Detection of early cartilage damage: feasibility and potential of gagCEST imaging at 7T. European Radiology, 2018, 28, 2874-2881.	4.5	39
9	High Fibroblast Growth Factor 23 concentrations in experimental renal failure impair calcium handling in cardiomyocytes. Physiological Reports, 2018, 6, e13591.	1.7	15
10	Evaluation of cardiac energetics by non-invasive 31P magnetic resonance spectroscopy. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2018, 1864, 1939-1948.	3.8	18
11	Statins Promote Cardiac Infarct Healing by Modulating Endothelial Barrier Function Revealed by Contrast-Enhanced Magnetic Resonance Imaging. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 186-194.	2.4	20
12	Single dose of empagliflozin increases in vivo cardiac energy status in diabetic db/db mice. Cardiovascular Research, 2018, 114, 1843-1844.	3.8	16
13	Diabetic db/db mice do not develop heart failure upon pressure overload: a longitudinal in vivo PET, MRI, and MRS study on cardiac metabolic, structural, and functional adaptations. Cardiovascular Research, 2017, 113, 1148-1160.	3.8	41
14	Dietary nitrate does not reduce oxygen cost of exercise or improve muscle mitochondrial function in patients with mitochondrial myopathy. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2017, 312, R689-R701.	1.8	8
15	An In Vivo Magnetic Resonance Spectroscopy Study of the Effects of Caloric and Non-Caloric Sweeteners on Liver Lipid Metabolism in Rats. Nutrients, 2017, 9, 476.	4.1	10
16	Detection of Treatment Success after Photodynamic Therapy Using Dynamic Contrast-Enhanced Magnetic Resonance Imaging. Theranostics, 2017, 7, 4643-4657.	10.0	9
17	Effects of low-stearate palm oil and high-stearate lard high-fat diets on rat liver lipid metabolism and glucose tolerance. Nutrition and Metabolism, 2015, 12, 57.	3.0	11
18	In vivomouse myocardial31P MRS using three-dimensional image-selectedin vivospectroscopy (3D ISIS): technical considerations and biochemical validations. NMR in Biomedicine, 2015, 28, 1218-1227.	2.8	19

#	Article	IF	Citations
19	In vivo proton <scp>T</scp>₁ relaxation times of mouse myocardial metabolites at 9.4 <scp>T</scp>. Magnetic Resonance in Medicine, 2015, 73, 2069-2074.	3.0	7
20	Good and bad consequences of altered fatty acid metabolism in heart failure: evidence from mouse models. Cardiovascular Research, 2015, 106, 194-205.	3.8	78
21	Small animal cardiovascular MR imaging and spectroscopy. Progress in Nuclear Magnetic Resonance Spectroscopy, 2015, 88-89, 1-47.	7.5	25
22	Carnitine supplementation in high-fat diet-fed rats does not ameliorate lipid-induced skeletal muscle mitochondrial dysfunction in vivo. American Journal of Physiology - Endocrinology and Metabolism, 2015, 309, E670-E678.	3.5	10
23	Effects of acute exercise on lipid content and dietary lipid uptake in liver and skeletal muscle of lean and diabetic rats. American Journal of Physiology - Endocrinology and Metabolism, 2015, 309, E874-E883.	3.5	10
24	MITOCHONDRIA: Investigation of in vivo muscle mitochondrial function by 31P magnetic resonance spectroscopy. International Journal of Biochemistry and Cell Biology, 2014, 50, 67-72.	2.8	33
25	Cardiac diastolic dysfunction in high-fat diet fed mice is associated with lipotoxicity without impairment of cardiac energetics in vivo. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2014, 1841, 1525-1537.	2.4	48
26	Metformin Impairs Mitochondrial Function in Skeletal Muscle of Both Lean and Diabetic Rats in a Dose-Dependent Manner. PLoS ONE, 2014, 9, e100525.	2.5	85
27	PS10 - 2. Exercise does not modulate postprandial lipid uptake in liver and skeletal muscle of healthy and diabetic rats. Nederlands Tijdschrift Voor Diabetologie, 2013, 11, 160-160.	0.0	0
28	PS5 - 27. In vivo magnetic resonance spectroscopy of lipid handling in steatotic rat liver. Nederlands Tijdschrift Voor Diabetologie, 2012, 10, 116-116.	0.0	0
29	Multitissue assessment of in vivo postprandial intracellular lipid partitioning in rats using localized ¹Hâ€[¹³C] magnetic resonance spectroscopy. Magnetic Resonance in Medicine, 2012, 68, 997-1006.	3.0	17
30	In vivo magnetic resonance spectroscopy of lipid handling in steatotic rat liver. FASEB Journal, 2012, 26, 242.7.	0.5	0
31	Magnetic resonance spectroscopy of in vivo tissue metabolism in small animals. Drug Discovery Today: Technologies, 2011, 8, e95-e102.	4.0	0
32	Intersubject differences in the effect of acidosis on phosphocreatine recovery kinetics in muscle after exercise are due to differences in proton efflux rates. American Journal of Physiology - Cell Physiology, 2007, 293, C228-C237.	4.6	78
33	Dynamic MRS and MRI of skeletal muscle function and biomechanics. NMR in Biomedicine, 2006, 19, 927-953.	2.8	110