

# Jeanine J Prompers

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Dynamic MRS and MRI of skeletal muscle function and biomechanics. <i>NMR in Biomedicine</i> , 2006, 19, 927-953.	2.8	110
2	Metformin Impairs Mitochondrial Function in Skeletal Muscle of Both Lean and Diabetic Rats in a Dose-Dependent Manner. <i>PLoS ONE</i> , 2014, 9, e100525.	2.5	85
3	<sup>31</sup> P magnetic resonance spectroscopy in skeletal muscle: Experts' consensus recommendations. <i>NMR in Biomedicine</i> , 2021, 34, e4246.	2.8	81
4	Intersubject differences in the effect of acidosis on phosphocreatine recovery kinetics in muscle after exercise are due to differences in proton efflux rates. <i>American Journal of Physiology - Cell Physiology</i> , 2007, 293, C228-C237.	4.6	78
5	Good and bad consequences of altered fatty acid metabolism in heart failure: evidence from mouse models. <i>Cardiovascular Research</i> , 2015, 106, 194-205.	3.8	78
6	Cardiac diastolic dysfunction in high-fat diet fed mice is associated with lipotoxicity without impairment of cardiac energetics in vivo. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014, 1841, 1525-1537.	2.4	48
7	On the magnetic field dependence of deuterium metabolic imaging. <i>NMR in Biomedicine</i> , 2020, 33, e4235.	2.8	46
8	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. <i>Cardiovascular Research</i> , 2017, 113, 1148-1160.	3.8	41
9	Analysis of chemical exchange saturation transfer contributions from brain metabolites to the Z-spectra at various field strengths and pH. <i>Scientific Reports</i> , 2019, 9, 1089.	3.3	40
10	Detection of early cartilage damage: feasibility and potential of gagCEST imaging at 7T. <i>European Radiology</i> , 2018, 28, 2874-2881.	4.5	39
11	Increased cardiac fatty acid oxidation in a mouse model with decreased malonyl-CoA sensitivity of CPT1B. <i>Cardiovascular Research</i> , 2018, 114, 1324-1334.	3.8	37
12	MITOCHONDRIA: Investigation of in vivo muscle mitochondrial function by <sup>31</sup> P magnetic resonance spectroscopy. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 50, 67-72.	2.8	33
13	Small animal cardiovascular MR imaging and spectroscopy. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2015, 88-89, 1-47.	7.5	25
14	Statins Promote Cardiac Infarct Healing by Modulating Endothelial Barrier Function Revealed by Contrast-Enhanced Magnetic Resonance Imaging. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 186-194.	2.4	20
15	In vivomouse myocardial <sup>31</sup> P MRS using three-dimensional image-selected in vivo spectroscopy (3D ISIS): technical considerations and biochemical validations. <i>NMR in Biomedicine</i> , 2015, 28, 1218-1227.	2.8	19
16	Evaluation of cardiac energetics by non-invasive <sup>31</sup> P magnetic resonance spectroscopy. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 1939-1948.	3.8	18
17	Multitissue assessment of in vivo postprandial intracellular lipid partitioning in rats using localized <sup>13</sup> C magnetic resonance spectroscopy. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 997-1006.	3.0	17
18	Single dose of empagliflozin increases in vivo cardiac energy status in diabetic db/db mice. <i>Cardiovascular Research</i> , 2018, 114, 1843-1844.	3.8	16

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19	High Fibroblast Growth Factor 23 concentrations in experimental renal failure impair calcium handling in cardiomyocytes. <i>Physiological Reports</i> , 2018, 6, e13591.	1.7	15
20	PCA denoising and Wiener deconvolution of <sup>31</sup> P 3D CSI data to enhance effective SNR and improve point spread function. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 2992-3009.	3.0	15
21	Effects of low-stearate palm oil and high-stearate lard high-fat diets on rat liver lipid metabolism and glucose tolerance. <i>Nutrition and Metabolism</i> , 2015, 12, 57.	3.0	11
22	Carnitine supplementation in high-fat diet-fed rats does not ameliorate lipid-induced skeletal muscle mitochondrial dysfunction in vivo. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 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. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 309, E874-E883.	3.5	10
24	An In Vivo Magnetic Resonance Spectroscopy Study of the Effects of Caloric and Non-Caloric Sweeteners on Liver Lipid Metabolism in Rats. <i>Nutrients</i> , 2017, 9, 476.	4.1	10
25	Detection of Treatment Success after Photodynamic Therapy Using Dynamic Contrast-Enhanced Magnetic Resonance Imaging. <i>Theranostics</i> , 2017, 7, 4643-4657.	10.0	9
26	Dietary nitrate does not reduce oxygen cost of exercise or improve muscle mitochondrial function in patients with mitochondrial myopathy. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2017, 312, R689-R701.	1.8	8
27	Residual quadrupolar couplings observed in 7 Tesla deuterium MR spectra of skeletal muscle. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 1165-1173.	3.0	8
28	In vivo proton T <sub>1</sub> relaxation times of mouse myocardial metabolites at 9.4 T. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 2069-2074.	3.0	7
29	Metabolite cycled liver 1 H MRS on a 7 T parallel transmit system. <i>NMR in Biomedicine</i> , 2020, 33, e4343.	2.8	6
30	Magnetic resonance spectroscopy of in vivo tissue metabolism in small animals. <i>Drug Discovery Today: Technologies</i> , 2011, 8, e95-e102.	4.0	0
31	PS5 - 27. In vivo magnetic resonance spectroscopy of lipid handling in steatotic rat liver. <i>Nederlands Tijdschrift Voor Diabetologie</i> , 2012, 10, 116-116.	0.0	0
32	PS10 - 2. Exercise does not modulate postprandial lipid uptake in liver and skeletal muscle of healthy and diabetic rats. <i>Nederlands Tijdschrift Voor Diabetologie</i> , 2013, 11, 160-160.	0.0	0
33	In vivo magnetic resonance spectroscopy of lipid handling in steatotic rat liver. <i>FASEB Journal</i> , 2012, 26, 242.7.	0.5	0