Ronald Ouwerkerk

List of Publications by Year
in descending order

57	3,841	136740	161609
papers	citations	32 h-index	54 g-index

59	59	59	4714
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Skeletal Muscle Magnetic Resonance Biomarkers in GNE Myopathy. Neurology, 2021, 96, e798-e808.	1.5	18
2	Effect of a plant-based, low-fat diet versus an animal-based, ketogenic diet on ad libitum energy intake. Nature Medicine, 2021, 27, 344-353.	15.2	129
3	Proton MR Spectroscopy Measurements of White and Brown Adipose Tissue in Healthy Humans: Relaxation Parameters and Unsaturated Fatty Acids. Radiology, 2021, 299, 396-406.	3.6	13
4	Triglyceride Paradox Is Related to Lipoprotein Size, Visceral Adiposity and Stearoyl-CoA Desaturase Activity in Black Versus White Women. Circulation Research, 2020, 126, 94-108.	2.0	18
5	Deuterium MR Spectroscopy: A New Way to Image Glycolytic Flux Rates. Radiology, 2020, 294, 297-298.	3.6	6
6	Vitamin E treatment in NAFLD patients demonstrates that oxidative stress drives steatosis through upregulation of de-novo lipogenesis. Redox Biology, 2020, 37, 101710.	3.9	58
7	Brief Report: Adiponectin Levels Linked to Subclinical Myocardial Fibrosis in HIV. Journal of Acquired Immune Deficiency Syndromes (1999), 2020, 85, 316-319.	0.9	2
8	Leptin decreases de novo lipogenesis in patients with lipodystrophy. JCI Insight, 2020, 5, .	2.3	35
9	Early effects of roflumilast on insulin sensitivity in adults with prediabetes and overweight/obesity involve age-associated fat mass loss â€“ results of an exploratory study . Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 2019, Volume 12, 743-759.	1.1	12
10	Ultra-Processed Diets Cause Excess Calorie Intake and Weight Gain: An Inpatient Randomized Controlled Trial of Ad Libitum Food Intake. Cell Metabolism, 2019, 30, 67-77.e3.	7.2	879
11	Water suppression in the human brain with hypergeometric <scp>RF</scp> pulses for singleâ€voxel and multiâ€voxel MR spectroscopy. Magnetic Resonance in Medicine, 2018, 80, 1298-1306.	1.9	4
12	Metreleptin-mediated improvements in insulin sensitivity are independent of food intake in humans with lipodystrophy. Journal of Clinical Investigation, 2018, 128, 3504-3516.	3.9	74
13	Low Hepatic Fat and Stearoyl-CoA Desaturase Activity Contribute to Paradoxically Normal Triglyceride-Rich Lipoproteins in Insulin Resistant Black Womenâ€"The Federal Women Study. Diabetes, 2018, 67, 1842-P.	0.3	0
14	Multiparametric and Multimodality Functional Radiological Imaging for Breast Cancer Diagnosis and Early Treatment Response Assessment. Journal of the National Cancer Institute Monographs, 2015, 2015, 40-46.	0.9	11
15	Myocardial Fat Accumulation Is Independent of Measures of Insulin Sensitivity. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 3060-3068.	1.8	16
16	Cardiac Spectroscopy. , 2015, , 261-269.		0
17	Spinâ€echo magnetic resonance spectroscopic imaging at 7 T with frequencyâ€modulated refocusing pulses. Magnetic Resonance in Medicine, 2013, 69, 1217-1225.	1.9	21
18	Metabolic Effects of Chronic Cannabis Smoking. Diabetes Care, 2013, 36, 2415-2422.	4.3	123

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19	Liver Metabolite Concentrations Measured with¹H MR Spectroscopy. Radiology, 2012, 265, 565-575.	3.6	38
20	Monitoring of neoadjuvant chemotherapy using multiparametric, 23Na sodium MR, and multimodality (PET/CT/MRI) imaging in locally advanced breast cancer. Breast Cancer Research and Treatment, 2011, 128, 119-126.	1.1	69
21	High resolution spectroscopic imaging of GABA at 3 Tesla. Magnetic Resonance in Medicine, 2011, 65, 603-609.	1.9	57
22	High resolution spectroscopic imaging of GABA at 3 Tesla. Magnetic Resonance in Medicine, 2011, 65, spcone-spcone.	1.9	1
23	Use of perfluorocarbon nanoparticles for nonâ€invasive multimodal cell tracking of human pancreatic islets. Contrast Media and Molecular Imaging, 2011, 6, 251-259.	0.4	83
24	Sodium MRI. Methods in Molecular Biology, 2011, 711, 175-201.	0.4	51
25	Myocardial fat quantification in humans: Evaluation by two-point water-fat imaging and localized proton spectroscopy. Magnetic Resonance in Medicine, 2010, 63, 892-901.	1.9	33
26	Dualâ€band water and lipid suppression for MR spectroscopic imaging at 3 Tesla. Magnetic Resonance in Medicine, 2010, 63, 1486-1492.	1.9	33
27	Multiparametric Magnetic Resonance Imaging, Spectroscopy and Multinuclear (23Na) Imaging Monitoring of Preoperative Chemotherapy for Locally Advanced Breast Cancer. Academic Radiology, 2010, 17, 1477-1485.	1.3	49
28	Proton, diffusionâ€weighted imaging, and sodium (²³Na) MRI of uterine leiomyomata after MRâ€guided highâ€intensity focused ultrasound: A preliminary study. Journal of Magnetic Resonance Imaging, 2009, 29, 649-656.	1.9	38
29	Spectrally selective B₁â€insensitive T₂ magnetization preparation sequence. Magnetic Resonance in Medicine, 2009, 61, 1326-1335.	1.9	42
30	Quantitative cardiac ³¹P spectroscopy at 3 Tesla using adiabatic pulses. Magnetic Resonance in Medicine, 2009, 61, 785-795.	1.9	46
31	Tissue Sodium Concentration in Myocardial Infarction in Humans: A Quantitative²³Na MR Imaging Study¹. Radiology, 2008, 248, 88-96.	3.6	54
32	Diffusion-Weighted Imaging With Apparent Diffusion Coefficient Mapping and Spectroscopy in Prostate Cancer. Topics in Magnetic Resonance Imaging, 2008, 19, 261-272.	0.7	55
33	MR Imaging: Brief Overview and Emerging Applications. Radiographics, 2007, 27, 1213-1229.	1.4	74
34	Sodium Magnetic Resonance Imaging: From Research to Clinical Use. Journal of the American College of Radiology, 2007, 4, 739-741.	0.9	39
35	Elevated tissue sodium concentration in malignant breast lesions detected with non-invasive 23Na MRI. Breast Cancer Research and Treatment, 2007, 106, 151-160.	1.1	171
36	B1-insensitiveT2 preparation for improved coronary magnetic resonance angiography at 3 T. Magnetic Resonance in Medicine, 2006, 55, 858-864.	1.9	145

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37	Patterns of Enhancement on Breast MR Images: Interpretation and Imaging Pitfalls. Radiographics, 2006, 26, 1719-1734.	1.4	182
38	Combined dynamic contrast enhanced breast MR and proton spectroscopic imaging: A feasibility study. Journal of Magnetic Resonance Imaging, 2005, 21, 23-28.	1.9	86
39	Measuring human cardiac tissue sodium concentrations using surface coils, adiabatic excitation, and twisted projection imaging with minimal T2 losses. Journal of Magnetic Resonance Imaging, 2005, 21, 546-555.	1.9	54
40	MR imaging of biodegradable polymeric microparticles: A potential method of monitoring local drug delivery. Magnetic Resonance in Medicine, 2005, 53, 614-620.	1.9	43
41	Multiparametric and Multinuclear Magnetic Resonance Imaging of Human Breast Cancer: Current Applications. Technology in Cancer Research and Treatment, 2004, 3, 543-550.	0.8	41
42	Tissue Sodium Concentration in Human Brain Tumors as Measured with23Na MR Imaging. Radiology, 2003, 227, 529-537.	3.6	268
43	Four-angle saturation transfer (FAST) method for measuring creatine kinase reaction rates in vivo. Magnetic Resonance in Medicine, 2002, 47, 850-863.	1.9	82
44	On Neglecting Chemical Exchange Effects When Correcting in Vivo31P MRS Data for Partial Saturation. Journal of Magnetic Resonance, 2001, 148, 425-435.	1.2	23
45	On Neglecting Chemical Exchange When Correcting in Vivo31P MRS Data for Partial Saturation: Commentary on: â€œPitfalls in the Measurement of Metabolite Concentrations Using the One-Pulse Experiment in in Vivo NMRâ€• Journal of Magnetic Resonance, 2001, 149, 282-286.	1.2	7
46	Broadband proton decoupling for in vivo brain spectroscopy in humans. Magnetic Resonance in Medicine, 2001, 45, 226-232.	1.9	31
47	Quantification and imaging of myocardial sodium and creatine kinase metabolites. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2000, 11, 39-41.	1.1	4
48	Mitral Regurgitation. Circulation, 1998, 97, 1716-1723.	1.6	97
49	Metabolic Response of Normal Human Myocardium to High-Dose Atropine-Dobutamine Stress Studied by ³¹ P-MRS. Circulation, 1997, 96, 2969-2977.	1.6	61
50	Creatine Phosphate. , 1996, , 127-159.		3
51	Optimum flip-angles for exciting NMR with uncertainT1 values. Magnetic Resonance in Medicine, 1994, 32, 137-141.	1.9	70
52	The Dual-Angle Method for Fast, Sensitive T1 Measurement in Vivo with Low-Angle Adiabatic Pulses. Journal of Magnetic Resonance Series B, 1994, 104, 159-167.	1.6	40
53	BIRP, an Improved Implementation of Low-Angle Adiabatic (BIR-4) Excitation Pulses. Journal of Magnetic Resonance Series A, 1993, 103, 242-244.	1.6	25
54	Global and depth resolved phosphorus magnetic resonance spectroscopy to predict outcome after birth asphyxia.. Archives of Disease in Childhood, 1991, 66, 1119-1123.	1.0	27

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55	Erythrocyte Na+/K+ ATPase activity measured with23Na NMR. Magnetic Resonance in Medicine, 1989, 12, 164-171.	1.9	13
56	Hexose monophosphate shunt activity in erythrocytes related to cell age. European Journal of Haematology, 1989, 43, 441-447.	1.1	5
57	Novel method for imaging biodegradable polymeric microparticles using MRI: application toward monitoring drug delivery. , 0, , .		0