

Ronald Ouwerkerk

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

3,841
citations

136740

32
h-index

161609

54
g-index

59
all docs

59
docs citations

59
times ranked

4714
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultra-Processed Diets Cause Excess Calorie Intake and Weight Gain: An Inpatient Randomized Controlled Trial of Ad Libitum Food Intake. <i>Cell Metabolism</i> , 2019, 30, 67-77.e3.	7.2	879
2	Tissue Sodium Concentration in Human Brain Tumors as Measured with ^{23}Na MR Imaging. <i>Radiology</i> , 2003, 227, 529-537.	3.6	268
3	Patterns of Enhancement on Breast MR Images: Interpretation and Imaging Pitfalls. <i>Radiographics</i> , 2006, 26, 1719-1734.	1.4	182
4	Elevated tissue sodium concentration in malignant breast lesions detected with non-invasive ^{23}Na MRI. <i>Breast Cancer Research and Treatment</i> , 2007, 106, 151-160.	1.1	171
5	B1-insensitive T2 preparation for improved coronary magnetic resonance angiography at 3 T. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 858-864.	1.9	145
6	Effect of a plant-based, low-fat diet versus an animal-based, ketogenic diet on ad libitum energy intake. <i>Nature Medicine</i> , 2021, 27, 344-353.	15.2	129
7	Metabolic Effects of Chronic Cannabis Smoking. <i>Diabetes Care</i> , 2013, 36, 2415-2422.	4.3	123
8	Mitral Regurgitation. <i>Circulation</i> , 1998, 97, 1716-1723.	1.6	97
9	Combined dynamic contrast enhanced breast MR and proton spectroscopic imaging: A feasibility study. <i>Journal of Magnetic Resonance Imaging</i> , 2005, 21, 23-28.	1.9	86
10	Use of perfluorocarbon nanoparticles for non-invasive multimodal cell tracking of human pancreatic islets. <i>Contrast Media and Molecular Imaging</i> , 2011, 6, 251-259.	0.4	83
11	Four-angle saturation transfer (FAST) method for measuring creatine kinase reaction rates in vivo. <i>Magnetic Resonance in Medicine</i> , 2002, 47, 850-863.	1.9	82
12	MR Imaging: Brief Overview and Emerging Applications. <i>Radiographics</i> , 2007, 27, 1213-1229.	1.4	74
13	Metreleptin-mediated improvements in insulin sensitivity are independent of food intake in humans with lipodystrophy. <i>Journal of Clinical Investigation</i> , 2018, 128, 3504-3516.	3.9	74
14	Optimum flip-angles for exciting NMR with uncertain T1 values. <i>Magnetic Resonance in Medicine</i> , 1994, 32, 137-141.	1.9	70
15	Monitoring of neoadjuvant chemotherapy using multiparametric, ^{23}Na sodium MR, and multimodality (PET/CT/MRI) imaging in locally advanced breast cancer. <i>Breast Cancer Research and Treatment</i> , 2011, 128, 119-126.	1.1	69
16	Metabolic Response of Normal Human Myocardium to High-Dose Atropine-Dobutamine Stress Studied by ^{31}P -MRS. <i>Circulation</i> , 1997, 96, 2969-2977.	1.6	61
17	Vitamin E treatment in NAFLD patients demonstrates that oxidative stress drives steatosis through upregulation of de-novo lipogenesis. <i>Redox Biology</i> , 2020, 37, 101710.	3.9	58
18	High resolution spectroscopic imaging of GABA at 3 Tesla. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 603-609.	1.9	57

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19	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
20	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
21	Tissue Sodium Concentration in Myocardial Infarction in Humans: A Quantitative ²³ Na MR Imaging Study. Radiology, 2008, 248, 88-96.	3.6	54
22	Sodium MRI. Methods in Molecular Biology, 2011, 711, 175-201.	0.4	51
23	Multiparametric Magnetic Resonance Imaging, Spectroscopy and Multinuclear (²³ Na) Imaging Monitoring of Preoperative Chemotherapy for Locally Advanced Breast Cancer. Academic Radiology, 2010, 17, 1477-1485.	1.3	49
24	Quantitative cardiac ³¹ P spectroscopy at 3 Tesla using adiabatic pulses. Magnetic Resonance in Medicine, 2009, 61, 785-795.	1.9	46
25	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
26	Spectrally selective <i>B</i> ₁ -insensitive <i>T</i> ₂ magnetization preparation sequence. Magnetic Resonance in Medicine, 2009, 61, 1326-1335.	1.9	42
27	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
28	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
29	Sodium Magnetic Resonance Imaging: From Research to Clinical Use. Journal of the American College of Radiology, 2007, 4, 739-741.	0.9	39
30	Proton, diffusion-weighted imaging, and sodium (²³ Na) MRI of uterine leiomyomata after MR-guided high-intensity focused ultrasound: A preliminary study. Journal of Magnetic Resonance Imaging, 2009, 29, 649-656.	1.9	38
31	Liver Metabolite Concentrations Measured with ¹ H MR Spectroscopy. Radiology, 2012, 265, 565-575.	3.6	38
32	Leptin decreases de novo lipogenesis in patients with lipodystrophy. JCI Insight, 2020, 5, .	2.3	35
33	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
34	Dual-band water and lipid suppression for MR spectroscopic imaging at 3 Tesla. Magnetic Resonance in Medicine, 2010, 63, 1486-1492.	1.9	33
35	Broadband proton decoupling for in vivo brain spectroscopy in humans. Magnetic Resonance in Medicine, 2001, 45, 226-232.	1.9	31
36	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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37	BIRP, an Improved Implementation of Low-Angle Adiabatic (BIR-4) Excitation Pulses. <i>Journal of Magnetic Resonance Series A</i> , 1993, 103, 242-244.	1.6	25
38	On Neglecting Chemical Exchange Effects When Correcting in Vivo ³¹ P MRS Data for Partial Saturation. <i>Journal of Magnetic Resonance</i> , 2001, 148, 425-435.	1.2	23
39	Spin-echo magnetic resonance spectroscopic imaging at 7 T with frequency-modulated refocusing pulses. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 1217-1225.	1.9	21
40	Triglyceride Paradox Is Related to Lipoprotein Size, Visceral Adiposity and Stearoyl-CoA Desaturase Activity in Black Versus White Women. <i>Circulation Research</i> , 2020, 126, 94-108.	2.0	18
41	Skeletal Muscle Magnetic Resonance Biomarkers in GNE Myopathy. <i>Neurology</i> , 2021, 96, e798-e808.	1.5	18
42	Myocardial Fat Accumulation Is Independent of Measures of Insulin Sensitivity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, 3060-3068.	1.8	16
43	Erythrocyte Na ⁺ /K ⁺ ATPase activity measured with ²³ Na NMR. <i>Magnetic Resonance in Medicine</i> , 1989, 12, 164-171.	1.9	13
44	Proton MR Spectroscopy Measurements of White and Brown Adipose Tissue in Healthy Humans: Relaxation Parameters and Unsaturated Fatty Acids. <i>Radiology</i> , 2021, 299, 396-406.	3.6	13
45	<p>Early effects of roflumilast on insulin sensitivity in adults with prediabetes and overweight/obesity involve age-associated fat mass loss – results of an exploratory study</p>. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2019, Volume 12, 743-759.	1.1	12
46	Multiparametric and Multimodality Functional Radiological Imaging for Breast Cancer Diagnosis and Early Treatment Response Assessment. <i>Journal of the National Cancer Institute Monographs</i> , 2015, 2015, 40-46.	0.9	11
47	On Neglecting Chemical Exchange When Correcting in Vivo ³¹ P MRS Data for Partial Saturation: Commentary on: –Pitfalls in the Measurement of Metabolite Concentrations Using the One-Pulse Experiment in in Vivo NMR– <i>Journal of Magnetic Resonance</i> , 2001, 149, 282-286.	1.2	7
48	Deuterium MR Spectroscopy: A New Way to Image Glycolytic Flux Rates. <i>Radiology</i> , 2020, 294, 297-298.	3.6	6
49	Hexose monophosphate shunt activity in erythrocytes related to cell age. <i>European Journal of Haematology</i> , 1989, 43, 441-447.	1.1	5
50	Quantification and imaging of myocardial sodium and creatine kinase metabolites. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2000, 11, 39-41.	1.1	4
51	Water suppression in the human brain with hypergeometric RF pulses for single-voxel and multi-voxel MR spectroscopy. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 1298-1306.	1.9	4
52	Creatine Phosphate. , 1996, , 127-159.		3
53	Brief Report: Adiponectin Levels Linked to Subclinical Myocardial Fibrosis in HIV. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2020, 85, 316-319.	0.9	2
54	High resolution spectroscopic imaging of GABA at 3 Tesla. <i>Magnetic Resonance in Medicine</i> , 2011, 65, spcone-spcone.	1.9	1

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55	Novel method for imaging biodegradable polymeric microparticles using MRI: application toward monitoring drug delivery. , 0, , .		0
56	Cardiac Spectroscopy. , 2015, , 261-269.		0
57	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