

Albert de Roos

List of Publications by Year in descending order

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97
papers

2,498
citations

218677

26
h-index

223800

46
g-index

100
all docs

100
docs citations

100
times ranked

3936
citing authors

#	ARTICLE	IF	CITATIONS
1	The Many Faces of Myocarditis: Role of Cardiac MRI. <i>Radiology</i> , 2022, 302, 70-71.	7.3	1
2	Hypertensive Exposure Markers by MRI in Relation to Cerebral Small Vessel Disease and Cognitive Impairment. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 176-185.	5.3	18
3	Normal and reference values for cardiovascular magnetic resonance-based pulse wave velocity in the middle-aged general population. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021, 23, 46.	3.3	15
4	Adherence to dietary guidelines in relation to visceral fat and liver fat in middle-aged men and women: the NEO study. <i>International Journal of Obesity</i> , 2020, 44, 297-306.	3.4	4
5	Association Between Hepatic Triglyceride Content and Coagulation Factors. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 3004-3014.	2.4	3
6	Exploring the Interaction between Liver and Heart Disease. <i>Radiology</i> , 2020, 297, 62-63.	7.3	1
7	The Challenge of Automated Analysis of Myocardial Perfusion MRI: Is It Ready for Prime Time?. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 1697-1698.	3.4	1
8	Adult weight change in relation to visceral fat and liver fat at middle age: The Netherlands epidemiology of obesity study. <i>International Journal of Obesity</i> , 2019, 43, 790-799.	3.4	11
9	Disproportionate intraventricular viscous energy loss in Fontan patients: analysis by 4D flow MRI. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 323-333.	1.2	29
10	Excellent durability of homografts in pulmonary position analysed in a predefined adult group with tetralogy of Fallot. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2019, 28, 279-283.	1.1	15
11	Diagnosis of Myocarditis at Cardiac MRI: The Continuing Quest for Improved Tissue Characterization. <i>Radiology</i> , 2019, 292, 618-619.	7.3	10
12	Metabolomics: a search for biomarkers of visceral fat and liver fat content. <i>Metabolomics</i> , 2019, 15, 139.	3.0	23
13	Chest X-Ray Not Routinely Indicated Prior to the YEARS Algorithm in the Diagnostic Management of Suspected Pulmonary Embolism. <i>TH Open</i> , 2019, 03, e22-e27.	1.4	4
14	Sweet Snacks Are Positively and Fruits and Vegetables Are Negatively Associated with Visceral or Liver Fat Content in Middle-Aged Men and Women. <i>Journal of Nutrition</i> , 2019, 149, 304-313.	2.9	14
15	Altered ascending aortic wall shear stress in patients with corrected atrioventricular septal defect: a comprehensive cardiovascular magnetic resonance and 4D flow MRI evaluation. <i>Cardiology in the Young</i> , 2019, 29, 637-642.	0.8	1
16	Quantification of aortic pulse wave velocity from a population based cohort: a fully automatic method. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019, 21, 27.	3.3	11
17	Value of Relative Myocardial Perfusion at MRI for Fractional Flow Reserve-Defined Ischemia: A Pilot Study. <i>American Journal of Roentgenology</i> , 2019, 212, 1002-1009.	2.2	3
18	Consumption of Alcoholic and Sugar-Sweetened Beverages is Associated with Increased Liver Fat Content in Middle-Aged Men and Women. <i>Journal of Nutrition</i> , 2019, 149, 649-658.	2.9	10

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19	Diagnosing Recurrent DVT of the Leg by Two Different Non-Contrast-Enhanced Magnetic Resonance Direct Thrombus Imaging Techniques: A Pilot Study. <i>TH Open</i> , 2019, 03, e37-e44.	1.4	6
20	Predicting Atrial Fibrillation from Automated Measurements of Left Atrial Volume Using Routine Chest CT Examination: Overlooked and Underrecognized Risk Factors. <i>Radiology: Cardiothoracic Imaging</i> , 2019, 1, e190217.	2.5	1
21	Associations of different body fat deposits with serum 25-hydroxyvitamin D concentrations. <i>Clinical Nutrition</i> , 2019, 38, 2851-2857.	5.0	14
22	Automated Cardiac Valve Tracking for Flow Quantification with Four-dimensional Flow MRI. <i>Radiology</i> , 2019, 290, 70-78.	7.3	43
23	Deep Learning-based Method for Fully Automatic Quantification of Left Ventricle Function from Cine MR Images: A Multivendor, Multicenter Study. <i>Radiology</i> , 2019, 290, 81-88.	7.3	152
24	Associations of Abdominal Subcutaneous and Visceral Fat with Insulin Resistance and Secretion Differ Between Men and Women: The Netherlands Epidemiology of Obesity Study. <i>Metabolic Syndrome and Related Disorders</i> , 2018, 16, 54-63.	1.3	82
25	Caloric restriction lowers endocannabinoid tonus and improves cardiac function in type 2 diabetes. <i>Nutrition and Diabetes</i> , 2018, 8, 6.	3.2	26
26	Scan-rescan reproducibility of diastolic left ventricular kinetic energy, viscous energy loss and vorticity assessment using 4D flow MRI: analysis in healthy subjects. <i>International Journal of Cardiovascular Imaging</i> , 2018, 34, 905-920.	1.5	23
27	Associations between normal range albuminuria, renal function and cardiovascular function in a population-based imaging study. <i>Atherosclerosis</i> , 2018, 272, 94-100.	0.8	4
28	Applicability and accuracy of pretest probability calculations implemented in the NICE clinical guideline for decision making about imaging in patients with chest pain of recent onset. <i>European Radiology</i> , 2018, 28, 4006-4017.	4.5	2
29	Incidental findings in research: A focus group study about the perspective of the research participant. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 230-237.	3.4	15
30	In-scan and scan-rescan assessment of LV and outflow volumes by 4D flow MRI versus 2D planimetry. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 511-522.	3.4	33
31	The Missing Link in the Pathophysiology of Vascular Cognitive Impairment: Design of the Heart-Brain Study. <i>Cerebrovascular Diseases Extra</i> , 2018, 7, 140-152.	1.5	44
32	Habitual Sleep Measures are Associated with Overall Body Fat, and not Specifically with Visceral Fat, in Men and Women. <i>Obesity</i> , 2018, 26, 1651-1658.	3.0	11
33	Onco-Cardiology: Value of Cardiac Imaging by Using CT and MRI after Radiation Therapy. <i>Radiology</i> , 2018, 289, 355-356.	7.3	1
34	Scan-rescan reproducibility of segmental aortic wall shear stress as assessed by phase-specific segmentation with 4D flow MRI in healthy volunteers. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2018, 31, 653-663.	2.0	30
35	Quantification of common carotid artery and descending aorta vessel wall thickness from MR vessel wall imaging using a fully automated processing pipeline. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 45, 215-228.	3.4	14
36	Is Hepatic Triglyceride Content Associated with Aortic Pulse Wave Velocity and Carotid Intima-Media Thickness? The Netherlands Epidemiology of Obesity Study. <i>Radiology</i> , 2017, 285, 73-82.	7.3	3

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37	Prognostic Value of CMR-Verified Myocardial Scarring in Cardiac Sarcoidosis. <i>JACC: Cardiovascular Imaging</i> , 2017, 10, 421-423.	5.3	2
38	Design of the ExCersionâ€VCI study: The effect of aerobic exercise on cerebral perfusion in patients with vascular cognitive impairment. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2017, 3, 157-165.	3.7	15
39	Comparative Evaluation of Flow Quantification across the Atrioventricular Valve in Patients with Functional Univentricular Heart after Fontan's Surgery and Healthy Controls: Measurement by 4D Flow Magnetic Resonance Imaging and Streamline Visualization. <i>Congenital Heart Disease</i> , 2017, 12, 40-48.	0.2	15
40	Assessment of viscous energy loss and the association with threeâ€dimensional vortex ring formation in left ventricular inflow: In vivo evaluation using fourâ€dimensional flow MRI. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 794-805.	3.0	92
41	Unravelling cardiovascular disease using four dimensional flow cardiovascular magnetic resonance. <i>International Journal of Cardiovascular Imaging</i> , 2017, 33, 1069-1081.	1.5	26
42	Body fat distribution, in particular visceral fat, is associated with cardiometabolic risk factors in obese women. <i>PLoS ONE</i> , 2017, 12, e0185403.	2.5	107
43	Liver Fat Assessed With CT Relates to MRI Markers of Incipient Brain Injury in Middle-Aged to Elderly Overweight Persons. <i>American Journal of Roentgenology</i> , 2016, 206, 1087-1092.	2.2	7
44	Role of Cardiovascular Magnetic Resonance Imaging in Postoperative Follow-Up After the Arterial Switch Operation for Transposition of the Great Arteries. <i>Circulation: Cardiovascular Imaging</i> , 2016, 9, .	2.6	4
45	Coronary Computed Tomography Angiography: Patient-related factors determining image quality using a second-generation 320-slice CT scanner. <i>International Journal of Cardiology</i> , 2016, 221, 970-976.	1.7	10
46	Biplane versus short-axis measures of the left atrium and ventricle in patients with systolic dysfunction assessed by magnetic resonance. <i>Clinical Imaging</i> , 2016, 40, 907-912.	1.5	7
47	Prognostic value of cardiovascular MR imaging biomarkers on outcome in peripheral arterial disease: a 6-year follow-up pilot study. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 1281-1288.	1.5	7
48	Association between Hepatic Triglyceride Content and Left Ventricular Diastolic Function in a Population-based Cohort: The Netherlands Epidemiology of Obesity Study. <i>Radiology</i> , 2016, 279, 443-450.	7.3	15
49	Serum CETP concentration is not associated with measures of body fat: The NEO study. <i>Atherosclerosis</i> , 2016, 246, 267-273.	0.8	9
50	Aortic Arch Stiffness Is Associated With Incipient Brain Injury in Patients With Hypertension. <i>American Journal of Hypertension</i> , 2016, 29, 705-712.	2.0	8
51	Highâ€temporal velocityâ€encoded MRI for the assessment of left ventricular inflow propagation velocity: Comparison with color Mâ€mode echocardiography. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 1297-1304.	3.4	2
52	Genetically determined prospect to become long-lived is associated with less abdominal fat and in particular less abdominal visceral fat in men. <i>Age and Ageing</i> , 2015, 44, 713-717.	1.6	7
53	Individual contributions of visceral fat and total body fat to subclinical atherosclerosis: The NEO study. <i>Atherosclerosis</i> , 2015, 241, 547-554.	0.8	41
54	Relations Between Aortic Stiffness and Left Ventricular Structure and Function in Older Participants in the Age, Gene/Environment Susceptibility-Reykjavik Study. <i>Circulation: Cardiovascular Imaging</i> , 2015, 8, e003039.	2.6	45

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55	Incremental diagnostic accuracy of computed tomography myocardial perfusion imaging over coronary angiography stratified by pre-test probability of coronary artery disease and severity of coronary artery calcification: The CORE320 study. <i>International Journal of Cardiology</i> , 2015, 201, 570-577.	1.7	31
56	Association between changes in brain microstructure and cognition in older subjects at increased risk for vascular disease. <i>BMC Neurology</i> , 2015, 15, 133.	1.8	6
57	Repeated Intramyocardial Bone Marrow Cell Injection in Previously Responding Patients With Refractory Angina Again Improves Myocardial Perfusion, Anginal Complaints, and Quality of Life. <i>Circulation: Cardiovascular Interventions</i> , 2015, 8, .	3.9	29
58	Chest CT examinations in patients presenting with acute chest pain: a pictorial review. <i>Insights Into Imaging</i> , 2015, 6, 719-728.	3.4	4
59	MR of Multi-Organ Involvement in the Metabolic Syndrome. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2015, 23, 41-58.	1.1	17
60	Characterization and improved quantification of left ventricular inflow using streamline visualization with 4DFlow MRI in healthy controls and patients after atrioventricular septal defect correction. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 41, 1512-1520.	3.4	33
61	Cardiac Radiology: Centenary Review. <i>Radiology</i> , 2014, 273, S142-S159.	7.3	27
62	Pulse Pressure Relation to Aortic and Left Ventricular Structure in the Age, Gene/Environment Susceptibility (AGES)-Reykjavik Study. <i>Hypertension</i> , 2014, 64, 756-761.	2.7	40
63	Predictors of response to intramyocardial bone marrow cell treatment in patients with refractory angina and chronic myocardial ischemia. <i>International Journal of Cardiology</i> , 2014, 175, 539-544.	1.7	9
64	Impact of Cardiovascular Counseling and Screening in Hodgkin Lymphoma Survivors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 90, 164-171.	0.8	8
65	The Heart-Brain Connection: A Multidisciplinary Approach Targeting a Missing Link in the Pathophysiology of Vascular Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2014, 42, S443-S451.	2.6	45
66	Association of lung function measurements and visceral fat in men with metabolic syndrome. <i>Respiratory Medicine</i> , 2014, 108, 351-357.	2.9	30
67	Magnetic resonance direct thrombus imaging differentiates acute recurrent ipsilateral deep vein thrombosis from residual thrombosis. <i>Blood</i> , 2014, 124, 623-627.	1.4	81
68	Association of Liver Enzymes and Computed Tomography Markers of Liver Steatosis with Familial Longevity. <i>PLoS ONE</i> , 2014, 9, e91085.	2.5	8
69	Screening for coronary artery disease after mediastinal irradiation in Hodgkin lymphoma survivors.. <i>Journal of Clinical Oncology</i> , 2013, 31, 8568-8568.	1.6	0
70	MR Imaging Evaluation of Cardiovascular Risk in Metabolic Syndrome. <i>Radiology</i> , 2012, 264, 21-37.	7.3	47
71	Science to Practice: Why Follow the Track of Macrophages in Obesity?. <i>Radiology</i> , 2012, 263, 623-625.	7.3	3
72	Changes in body fat and lipid metabolism in testicular cancer patients undergoing curative chemotherapy.. <i>Journal of Clinical Oncology</i> , 2012, 30, 337-337.	1.6	4

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73	Accuracy of Magnetic Resonance Direct Thrombus Imaging (MRDTI) As a Novel Tool in the Diagnosis of Acute Ipsilateral Recurrent Deep Vein Thrombosis. <i>Blood</i> , 2012, 120, 395-395.	1.4	6
74	Measurement of Right and Left Ventricular Function by ECG-Synchronized CT Scanning in Patients With Acute Pulmonary Embolism. <i>Chest</i> , 2011, 140, 1008-1015.	0.8	50
75	Prognostic Value of Multislice Computed Tomography and Gated Single-Photon Emission Computed Tomography in Patients With Suspected Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2009, 53, 623-632.	2.8	308
76	Applications of multislice computed tomography in coronary artery disease. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 26, 14-22.	3.4	20
77	Magnetic resonance microscopy at 17.6-Tesla on chicken embryos in vitro. <i>Journal of Magnetic Resonance Imaging</i> , 2001, 14, 83-86.	3.4	39
78	False Aneurysms of an Ascending-Aorta-to-Abdominal-Aorta Bypass for Coarctation of the Aorta. <i>Circulation</i> , 2001, 103, E92-3.	1.6	1
79	Right ventricular function in patients after acute myocardial infarction assessed with phase contrast MR velocity mapping encoded in three directions. <i>Journal of Magnetic Resonance Imaging</i> , 2000, 11, 471-475.	3.4	22
80	Imaging of an aneurysm of the sinus of Valsalva with transesophageal echocardiography, contrast angiography and MRI. <i>International Journal of Cardiovascular Imaging</i> , 2000, 16, 35-41.	0.6	10
81	Arrhythmogenic Right Ventricular Dysplasia: MRI Findings. <i>Herz</i> , 2000, 25, 356-364.	1.1	72
82	Congenital Heart Disease. Evaluation of Anatomy and Function by MRI. <i>Herz</i> , 2000, 25, 365-383.	1.1	39
83	Right ventricular systolic function and ventricular interaction during acute embolisation of the left anterior descending coronary artery in sheep. <i>Cardiovascular Research</i> , 1999, 43, 86-95.	3.8	18
84	Diagnosis and management of anomalous origin of the right coronary artery from the left coronary sinus. <i>International Journal of Cardiovascular Imaging</i> , 1999, 15, 253-258.	0.6	23
85	Gadolinium contrast-enhanced three-dimensional MRA of peripheral arteries with multiple bolus injection: scan optimization in vitro and in vivo. <i>International Journal of Cardiovascular Imaging</i> , 1999, 15, 161-173.	0.6	13
86	Equilibrium phase MR angiography of the aortic arch and abdominal vasculature with the blood pool contrast agent CMD-A2-Gd-DOTA in pigs. <i>Journal of Magnetic Resonance Imaging</i> , 1999, 9, 777-785.	3.4	20
87	Blood pool contrast agent CMD-A2-Gd-DOTA-enhanced MR imaging of infarcted myocardium in pigs. <i>Journal of Magnetic Resonance Imaging</i> , 1999, 10, 170-177.	3.4	18
88	Blood pool contrast agents for cardiovascular MR imaging. <i>Journal of Magnetic Resonance Imaging</i> , 1999, 10, 395-403.	3.4	83
89	Evaluation of coronary artery bypass grafts by magnetic resonance imaging. <i>Journal of Magnetic Resonance Imaging</i> , 1999, 10, 434-441.	3.4	19
90	Postoperative evaluation of congenital heart disease by magnetic resonance imaging. <i>Journal of Magnetic Resonance Imaging</i> , 1999, 10, 656-666.	3.4	29

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91	Double outlet right ventricle assessed with magnetic resonance imaging. International Journal of Cardiovascular Imaging, 1999, 15, 323-329.	0.6	16
92	Blood pool contrast agents for cardiovascular MR imaging. , 1999, 10, 395.		1
93	Blood pool contrast agents for cardiovascular MR imaging. Journal of Magnetic Resonance Imaging, 1999, 10, 395-403.	3.4	2
94	Diagnosis of cardiac abnormalities in patients with nonischemic tachyarrhythmias: additional value of MR imaging. International Journal of Cardiovascular Imaging, 1998, 14, 279-285.	0.6	6
95	Variations in blood flow waveforms in stenotic renal arteries by 2D phase-contrast cine MRI. Journal of Magnetic Resonance Imaging, 1998, 8, 590-597.	3.4	20
96	Quantitative analysis of cardiovascular MR images. International Journal of Cardiovascular Imaging, 1997, 13, 247-258.	0.6	78
97	Reproducibility of Human Cardiac ³¹ P-NMR Spectroscopy. , 1996, 9, 217-227.		65