Oliver J Rider

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7801223/publications.pdf

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61	2,133	304368	243296
papers	citations	22 h-index	44 g-index

62	62	62	3336
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Relationship Between Left Ventricular Structural and Metabolic Remodeling in Type 2 Diabetes. Diabetes, 2016, 65, 44-52.	0.3	177
2	Beneficial Cardiovascular Effects of Bariatric Surgical and Dietary Weight Loss in Obesity. Journal of the American College of Cardiology, 2009, 54, 718-726.	1.2	176
3	Ectopic and Visceral Fat Deposition inÂLean and Obese Patients With TypeÂ2ÂDiabetes. Journal of the American College of Cardiology, 2016, 68, 53-63.	1.2	165
4	Cardiac energetics, oxygenation, and perfusion during increased workload in patients with type 2 diabetes mellitus. European Heart Journal, 2016, 37, 3461-3469.	1.0	124
5	Effects of Catecholamine Stress on Diastolic Function and Myocardial Energetics in Obesity. Circulation, 2012, 125, 1511-1519.	1.6	117
6	Noninvasive In Vivo Assessment of Cardiac Metabolism in the Healthy and Diabetic Human Heart Using Hyperpolarized ¹³ C MRI. Circulation Research, 2020, 126, 725-736.	2.0	105
7	The Effect of Obesity and Weight Loss on Aortic Pulse Wave Velocity as Assessed by Magnetic Resonance Imaging. Obesity, 2010, 18, 2311-2316.	1.5	97
8	Increasing Pyruvate Dehydrogenase Flux as a Treatment for Diabetic Cardiomyopathy: A Combined 13C Hyperpolarized Magnetic Resonance and Echocardiography Study. Diabetes, 2015, 64, 2735-2743.	0.3	88
9	Gender-specific differences in left ventricular remodelling in obesity: insights from cardiovascular magnetic resonance imaging. European Heart Journal, 2013, 34, 292-299.	1.0	85
10	Observational study of regional aortic size referenced to body size: production of a cardiovascular magnetic resonance nomogram. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 9.	1.6	72
11	Metabolic remodeling in hypertrophied and failing myocardium: a review. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 313, H597-H616.	1.5	68
12	Noninvasive Immunometabolic Cardiac Inflammation Imaging Using Hyperpolarized Magnetic Resonance. Circulation Research, 2018, 122, 1084-1093.	2.0	64
13	Ventricular hypertrophy and cavity dilatation in relation to body mass index in women with uncomplicated obesity. Heart, 2011, 97, 203-208.	1.2	61
14	Measurement of myocardial native T1 in cardiovascular diseases and norm in 1291 subjects. Journal of Cardiovascular Magnetic Resonance, 2016, 19, 74.	1.6	60
15	Visceral adiposity and left ventricular remodeling: The Multi-Ethnic Study of Atherosclerosis. Nutrition, Metabolism and Cardiovascular Diseases, 2015, 25, 667-676.	1.1	54
16	The interplay between metabolic alterations, diastolic strain rate and exercise capacity in mild heart failure with preserved ejection fraction: a cardiovascular magnetic resonance study. Journal of Cardiovascular Magnetic Resonance, 2018, 20, 88.	1.6	51
17	Myocardial Energetics in Obesity. Circulation, 2020, 141, 1152-1163.	1.6	49
18	Energetic Basis for Exercise-Induced Pulmonary Congestion in Heart Failure With Preserved Ejection Fraction. Circulation, 2021, 144, 1664-1678.	1.6	48

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19	Assessment of Metformin-Induced Changes in Cardiac and Hepatic Redox State Using Hyperpolarized[1-13C]Pyruvate. Diabetes, 2016, 65, 3544-3551.	0.3	43
20	The Role of Cardiovascular Magnetic Resonance Imaging in Heart Failure. Cardiac Failure Review, 2016, 2, 115.	1.2	35
21	Improvements in ECG accuracy for diagnosis of left ventricular hypertrophy in obesity. Heart, 2016, 102, 1566-1572.	1.2	27
22	Evidence of a Direct Effect of Myocardial Steatosis on LV Hypertrophy and Diastolic Dysfunction in Adult and Adolescent Obesity. JACC: Cardiovascular Imaging, 2015, 8, 1468-1470.	2.3	23
23	Hyperpolarised magnetic resonance for in vivo real-time metabolic imaging. Heart, 2018, 104, 1484-1491.	1.2	23
24	Investigating a Liver Fat. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 198-203.	1.1	20
25	Guidelines on models of diabetic heart disease. American Journal of Physiology - Heart and Circulatory Physiology, 2022, 323, H176-H200.	1.5	20
26	Obese Subjects Show Sex-Specific Differences in Right Ventricular Hypertrophy. Circulation: Cardiovascular Imaging, 2015, 8, .	1.3	18
27	Design and rationale of the EMPAâ€VISION trial: investigating the metabolic effects of empagliflozin in patients with heart failure. ESC Heart Failure, 2021, 8, 2580-2590.	1.4	18
28	Cardiac Energetics in Patients With Aortic Stenosis and Preserved Versus Reduced Ejection Fraction. Circulation, 2020, 141, 1971-1985.	1.6	18
29	Concentric left ventricular remodeling and aortic stiffness: A comparison of obesity and hypertension. International Journal of Cardiology, 2013, 167, 2989-2994.	0.8	16
30	Structural and Metabolic Effects of Obesity on the Myocardium and the Aorta. Obesity Facts, 2014, 7, 329-338.	1.6	16
31	Localized rest and stress human cardiac creatine kinase reaction kinetics at 3ÂT. NMR in Biomedicine, 2019, 32, e4085.	1.6	16
32	Obesity modifies the energetic phenotype of dilated cardiomyopathy. European Heart Journal, 2021, , .	1.0	16
33	Pyruvate dehydrogenase as a therapeutic target for obesity cardiomyopathy. Expert Opinion on Therapeutic Targets, 2016, 20, 755-766.	1.5	14
34	Clinical Cardiovascular Applications of Hyperpolarized Magnetic Resonance. Cardiovascular Drugs and Therapy, 2020, 34, 231-240.	1.3	13
35	Very low calorie diets are associated with transient ventricular impairment before reversal of diastolic dysfunction in obesity. International Journal of Obesity, 2019, 43, 2536-2544.	1.6	12
36	Quantifying the effect of dobutamine stress on myocardial Pi and pH in healthy volunteers: A ³¹P MRS study at 7T. Magnetic Resonance in Medicine, 2021, 85, 1147-1159.	1.9	12

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37	Adverse right ventricular remodelling, function, and stress responses in obesity: insights from cardiovascular magnetic resonance. European Heart Journal Cardiovascular Imaging, 2022, 23, 1383-1390.	0.5	12
38	Assessing the effect of hypoxia on cardiac metabolism using hyperpolarized ¹³C magnetic resonance spectroscopy. NMR in Biomedicine, 2019, 32, e4099.	1.6	11
39	Non-invasive investigation of myocardial energetics in cardiac disease using 31P magnetic resonance spectroscopy. Cardiovascular Diagnosis and Therapy, 2020, 10, 625-635.	0.7	11
40	Normalization of Visceral Fat and Complete ReversalÂof Cardiovascular Remodeling Accompany Gastric Bypass, not Banding. Journal of the American College of Cardiology, 2015, 66, 2569-2570.	1.2	9
41	Obesity-related ventricular remodelling is exacerbated in dilated and hypertrophic cardiomyopathy. Cardiovascular Diagnosis and Therapy, 2020, 10, 559-567.	0.7	9
42	Use of cardiac magnetic resonance to detect changes in metabolism in heart failure. Cardiovascular Diagnosis and Therapy, 2020, 10, 583-597.	0.7	9
43	Free Floating Left Atrial Ball Thrombus: A Rare Cause of Stroke. Journal of Stroke and Cerebrovascular Diseases, 2013, 22, e238-e239.	0.7	8
44	The use of cardiovascular magnetic resonance for the assessment of left ventricular hypertrophy. Cardiovascular Diagnosis and Therapy, 2020, 10, 568-582.	0.7	6
45	Waterâ€suppression cycling 3â€T cardiac 1 Hâ€MRS detects altered creatine and choline in patients with aortic or mitral stenosis. NMR in Biomedicine, 2021, 34, e4513.	1.6	6
46	Heritability of haemodynamics in the ascending aorta. Scientific Reports, 2020, 10, 14356.	1.6	5
47	Increased cardiac Pi/PCr in the diabetic heart observed using phosphorus magnetic resonance spectroscopy at 7T. PLoS ONE, 2022, 17, e0269957.	1.1	4
48	Congenital aortopulmonary window; an unusual cause of breathlessness. Heart, 2013, 99, 1546-1546.	1.2	3
49	Left Atrial Volumes in Health and Disease Measured Using Cardiac Magnetic Resonance. Circulation: Cardiovascular Imaging, 2017, 10, .	1.3	3
50	Serial Cardiac Magnetic Resonance of an Evolving Subacute Pericardial Hematoma. Circulation: Cardiovascular Imaging, 2019, 12, e009753.	1.3	3
51	Nicotinic acid receptor agonists impair myocardial contractility by energy starvation. FASEB Journal, 2020, 34, 14878-14891.	0.2	3
52	Myocardial Energy Response to Glyceryl Trinitrate: Physiology Revisited. Frontiers in Physiology, 2021, 12, 790525.	1.3	3
53	The importance of exercise testing in occupational cardiovascular assessment for high-hazard professions. European Heart Journal, 2019, 40, 3078-3080.	1.0	2
54	Insights Into the Metabolic Aspects of Aortic Stenosis With the Use of MagneticÂResonance Imaging. JACC: Cardiovascular Imaging, 2022, 15, 2112-2126.	2.3	2

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55	Effects of contrast agents on relaxation properties of 31 P metabolites. Magnetic Resonance in Medicine, 2021, 85, 1805-1813.	1.9	1
56	Investigating the disease is the key to the obesity stigma. European Heart Journal, 2022, 43, 431-431.	1.0	1
57	Intracardiac incidentaloma in a young woman. Heart, 2022, 108, 592-660.	1.2	1
58	Atrial remodeling in obesity and hypertensionâ€"What can we learn from the ECG?. Obesity, 2016, 24, 2448-2448.	1.5	0
59	Cardiovascular magnetic resonance: at the heart of 21st Century imaging. Cardiovascular Diagnosis and Therapy, 2020, 10, 546-548.	0.7	0
60	Response by Peterzan et al to Letter Regarding Article, â€œCardiac Energetics in Patients With Aortic Stenosis and Preserved Versus Reduced Ejection Fractionâ€• Circulation, 2020, 142, e377-e378.	1.6	0
61	Letter regarding the article â€˜Cardiac energetics in patients with chronic heart failure and iron deficiency: an inâ€vivo<scp>³¹P</scp> magnetic resonance spectroscopy studyâ€™. European Journal of Heart Failure, 2022, 24, 1992-1992.	2.9	0