

# Oliver J Rider

## List of Publications by Year in descending order

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Version: 2024-02-01

61  
papers

2,133  
citations

304368

22  
h-index

243296

44  
g-index

62  
all docs

62  
docs citations

62  
times ranked

3336  
citing authors

#	ARTICLE	IF	CITATIONS
1	Adverse right ventricular remodelling, function, and stress responses in obesity: insights from cardiovascular magnetic resonance. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 1383-1390.	0.5	12
2	Investigating the disease is the key to the obesity stigma. <i>European Heart Journal</i> , 2022, 43, 431-431.	1.0	1
3	Intracardiac incidentaloma in a young woman. <i>Heart</i> , 2022, 108, 592-660.	1.2	1
4	Guidelines on models of diabetic heart disease. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2022, 323, H176-H200.	1.5	20
5	Increased cardiac Pi/PCr in the diabetic heart observed using phosphorus magnetic resonance spectroscopy at 7T. <i>PLoS ONE</i> , 2022, 17, e0269957.	1.1	4
6	Insights Into the Metabolic Aspects of Aortic Stenosis With the Use of Magnetic Resonance Imaging. <i>JACC: Cardiovascular Imaging</i> , 2022, 15, 2112-2126.	2.3	2
7	Letter regarding the article "Cardiac energetics in patients with chronic heart failure and iron deficiency: an <i>in vivo</i> <sup>31</sup> P magnetic resonance spectroscopy study". <i>European Journal of Heart Failure</i> , 2022, 24, 1992-1992.	2.9	0
8	Quantifying the effect of dobutamine stress on myocardial Pi and pH in healthy volunteers: A <sup>31</sup> P MRS study at 7T. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 1147-1159.	1.9	12
9	Effects of contrast agents on relaxation properties of <sup>31</sup> P metabolites. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 1805-1813.	1.9	1
10	Water suppression cycling <sup>31</sup> P cardiac <sup>1</sup> H MRS detects altered creatine and choline in patients with aortic or mitral stenosis. <i>NMR in Biomedicine</i> , 2021, 34, e4513.	1.6	6
11	Design and rationale of the EMPA-VISION trial: investigating the metabolic effects of empagliflozin in patients with heart failure. <i>ESC Heart Failure</i> , 2021, 8, 2580-2590.	1.4	18
12	Obesity modifies the energetic phenotype of dilated cardiomyopathy. <i>European Heart Journal</i> , 2021, , .	1.0	16
13	Energetic Basis for Exercise-Induced Pulmonary Congestion in Heart Failure With Preserved Ejection Fraction. <i>Circulation</i> , 2021, 144, 1664-1678.	1.6	48
14	Myocardial Energy Response to Glyceryl Trinitrate: Physiology Revisited. <i>Frontiers in Physiology</i> , 2021, 12, 790525.	1.3	3
15	The use of cardiovascular magnetic resonance for the assessment of left ventricular hypertrophy. <i>Cardiovascular Diagnosis and Therapy</i> , 2020, 10, 568-582.	0.7	6
16	Obesity-related ventricular remodelling is exacerbated in dilated and hypertrophic cardiomyopathy. <i>Cardiovascular Diagnosis and Therapy</i> , 2020, 10, 559-567.	0.7	9
17	Use of cardiac magnetic resonance to detect changes in metabolism in heart failure. <i>Cardiovascular Diagnosis and Therapy</i> , 2020, 10, 583-597.	0.7	9
18	Cardiovascular magnetic resonance: at the heart of 21st Century imaging. <i>Cardiovascular Diagnosis and Therapy</i> , 2020, 10, 546-548.	0.7	0

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19	Nicotinic acid receptor agonists impair myocardial contractility by energy starvation. <i>FASEB Journal</i> , 2020, 34, 14878-14891.	0.2	3
20	Heritability of haemodynamics in the ascending aorta. <i>Scientific Reports</i> , 2020, 10, 14356.	1.6	5
21	Non-invasive investigation of myocardial energetics in cardiac disease using <sup>31</sup> P magnetic resonance spectroscopy. <i>Cardiovascular Diagnosis and Therapy</i> , 2020, 10, 625-635.	0.7	11
22	Clinical Cardiovascular Applications of Hyperpolarized Magnetic Resonance. <i>Cardiovascular Drugs and Therapy</i> , 2020, 34, 231-240.	1.3	13
23	Myocardial Energetics in Obesity. <i>Circulation</i> , 2020, 141, 1152-1163.	1.6	49
24	Noninvasive In Vivo Assessment of Cardiac Metabolism in the Healthy and Diabetic Human Heart Using Hyperpolarized <sup>13</sup> C MRI. <i>Circulation Research</i> , 2020, 126, 725-736.	2.0	105
25	Cardiac Energetics in Patients With Aortic Stenosis and Preserved Versus Reduced Ejection Fraction. <i>Circulation</i> , 2020, 141, 1971-1985.	1.6	18
26	Response by Peterzan et al to Letter Regarding Article, "Cardiac Energetics in Patients With Aortic Stenosis and Preserved Versus Reduced Ejection Fraction". <i>Circulation</i> , 2020, 142, e377-e378.	1.6	0
27	The importance of exercise testing in occupational cardiovascular assessment for high-hazard professions. <i>European Heart Journal</i> , 2019, 40, 3078-3080.	1.0	2
28	Assessing the effect of hypoxia on cardiac metabolism using hyperpolarized <sup>13</sup> C magnetic resonance spectroscopy. <i>NMR in Biomedicine</i> , 2019, 32, e4099.	1.6	11
29	Localized rest and stress human cardiac creatine kinase reaction kinetics at 3ÅT. <i>NMR in Biomedicine</i> , 2019, 32, e4085.	1.6	16
30	Serial Cardiac Magnetic Resonance of an Evolving Subacute Pericardial Hematoma. <i>Circulation: Cardiovascular Imaging</i> , 2019, 12, e009753.	1.3	3
31	Very low calorie diets are associated with transient ventricular impairment before reversal of diastolic dysfunction in obesity. <i>International Journal of Obesity</i> , 2019, 43, 2536-2544.	1.6	12
32	Noninvasive Immunometabolic Cardiac Inflammation Imaging Using Hyperpolarized Magnetic Resonance. <i>Circulation Research</i> , 2018, 122, 1084-1093.	2.0	64
33	Hyperpolarised magnetic resonance for in vivo real-time metabolic imaging. <i>Heart</i> , 2018, 104, 1484-1491.	1.2	23
34	The interplay between metabolic alterations, diastolic strain rate and exercise capacity in mild heart failure with preserved ejection fraction: a cardiovascular magnetic resonance study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018, 20, 88.	1.6	51
35	Left Atrial Volumes in Health and Disease Measured Using Cardiac Magnetic Resonance. <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, .	1.3	3
36	Metabolic remodeling in hypertrophied and failing myocardium: a review. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 313, H597-H616.	1.5	68

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37	Relationship Between Left Ventricular Structural and Metabolic Remodeling in Type 2 Diabetes. <i>Diabetes</i> , 2016, 65, 44-52.	0.3	177
38	The Role of Cardiovascular Magnetic Resonance Imaging in Heart Failure. <i>Cardiac Failure Review</i> , 2016, 2, 115.	1.2	35
39	Improvements in ECG accuracy for diagnosis of left ventricular hypertrophy in obesity. <i>Heart</i> , 2016, 102, 1566-1572.	1.2	27
40	Assessment of Metformin-Induced Changes in Cardiac and Hepatic Redox State Using Hyperpolarized [1-13C]Pyruvate. <i>Diabetes</i> , 2016, 65, 3544-3551.	0.3	43
41	Atrial remodeling in obesity and hypertension—What can we learn from the ECG?. <i>Obesity</i> , 2016, 24, 2448-2448.	1.5	0
42	Ectopic and Visceral Fat Deposition in Lean and Obese Patients With Type 2 Diabetes. <i>Journal of the American College of Cardiology</i> , 2016, 68, 53-63.	1.2	165
43	Investigating a Liver Fat. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 198-203.	1.1	20
44	Pyruvate dehydrogenase as a therapeutic target for obesity cardiomyopathy. <i>Expert Opinion on Therapeutic Targets</i> , 2016, 20, 755-766.	1.5	14
45	Cardiac energetics, oxygenation, and perfusion during increased workload in patients with type 2 diabetes mellitus. <i>European Heart Journal</i> , 2016, 37, 3461-3469.	1.0	124
46	Measurement of myocardial native T1 in cardiovascular diseases and norm in 1291 subjects. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 19, 74.	1.6	60
47	Normalization of Visceral Fat and Complete Reversal of Cardiovascular Remodeling Accompany Gastric Bypass, not Banding. <i>Journal of the American College of Cardiology</i> , 2015, 66, 2569-2570.	1.2	9
48	Obese Subjects Show Sex-Specific Differences in Right Ventricular Hypertrophy. <i>Circulation: Cardiovascular Imaging</i> , 2015, 8, .	1.3	18
49	Visceral adiposity and left ventricular remodeling: The Multi-Ethnic Study of Atherosclerosis. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2015, 25, 667-676.	1.1	54
50	Evidence of a Direct Effect of Myocardial Steatosis on LV Hypertrophy and Diastolic Dysfunction in Adult and Adolescent Obesity. <i>JACC: Cardiovascular Imaging</i> , 2015, 8, 1468-1470.	2.3	23
51	Increasing Pyruvate Dehydrogenase Flux as a Treatment for Diabetic Cardiomyopathy: A Combined 13C Hyperpolarized Magnetic Resonance and Echocardiography Study. <i>Diabetes</i> , 2015, 64, 2735-2743.	0.3	88
52	Structural and Metabolic Effects of Obesity on the Myocardium and the Aorta. <i>Obesity Facts</i> , 2014, 7, 329-338.	1.6	16
53	Observational study of regional aortic size referenced to body size: production of a cardiovascular magnetic resonance nomogram. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014, 16, 9.	1.6	72
54	Concentric left ventricular remodeling and aortic stiffness: A comparison of obesity and hypertension. <i>International Journal of Cardiology</i> , 2013, 167, 2989-2994.	0.8	16

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55	Free Floating Left Atrial Ball Thrombus: A Rare Cause of Stroke. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2013, 22, e238-e239.	0.7	8
56	Gender-specific differences in left ventricular remodelling in obesity: insights from cardiovascular magnetic resonance imaging. <i>European Heart Journal</i> , 2013, 34, 292-299.	1.0	85
57	Congenital aortopulmonary window; an unusual cause of breathlessness. <i>Heart</i> , 2013, 99, 1546-1546.	1.2	3
58	Effects of Catecholamine Stress on Diastolic Function and Myocardial Energetics in Obesity. <i>Circulation</i> , 2012, 125, 1511-1519.	1.6	117
59	Ventricular hypertrophy and cavity dilatation in relation to body mass index in women with uncomplicated obesity. <i>Heart</i> , 2011, 97, 203-208.	1.2	61
60	The Effect of Obesity and Weight Loss on Aortic Pulse Wave Velocity as Assessed by Magnetic Resonance Imaging. <i>Obesity</i> , 2010, 18, 2311-2316.	1.5	97
61	Beneficial Cardiovascular Effects of Bariatric Surgical and Dietary Weight Loss in Obesity. <i>Journal of the American College of Cardiology</i> , 2009, 54, 718-726.	1.2	176