

# Robert W Mcgarrah

## List of Publications by Citations

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31  
papers

1,074  
citations

17  
h-index

32  
g-index

39  
ext. papers

1,653  
ext. citations

8.5  
avg, IF

4.06  
L-index

#	Paper	IF	Citations
31	BCAA catabolism in brown fat controls energy homeostasis through SLC25A44. <i>Nature</i> , <b>2019</b> , 572, 614-619.	39.4	172
30	Branched-chain amino acid restriction in Zucker-fatty rats improves muscle insulin sensitivity by enhancing efficiency of fatty acid oxidation and acyl-glycine export. <i>Molecular Metabolism</i> , <b>2016</b> , 5, 538-551	8.8	139
29	The BCKDH Kinase and Phosphatase Integrate BCAA and Lipid Metabolism via Regulation of ATP-Citrate Lyase. <i>Cell Metabolism</i> , <b>2018</b> , 27, 1281-1293.e7	24.6	115
28	Metabolomic Profiling Identifies Novel Circulating Biomarkers of Mitochondrial Dysfunction Differentially Elevated in Heart Failure With Preserved Versus Reduced Ejection Fraction: Evidence for Shared Metabolic Impairments in Clinical Heart Failure. <i>Journal of the American Heart Association</i> , <b>2016</b> , 5,	6	101
27	Prognostic Implications of Long-Chain Acylcarnitines in Heart Failure and Reversibility With Mechanical Circulatory Support. <i>Journal of the American College of Cardiology</i> , <b>2016</b> , 67, 291-9	15.1	98
26	Metabolic Dysfunction in Heart Failure: Diagnostic, Prognostic, and Pathophysiologic Insights From Metabolomic Profiling. <i>Current Heart Failure Reports</i> , <b>2016</b> , 13, 119-31	2.8	58
25	A Novel Protein Glycan-Derived Inflammation Biomarker Independently Predicts Cardiovascular Disease and Modifies the Association of HDL Subclasses with Mortality. <i>Clinical Chemistry</i> , <b>2017</b> , 63, 288-296	5.5	42
24	Aortic valve surgery and survival in patients with moderate or severe aortic stenosis and left ventricular dysfunction. <i>European Heart Journal</i> , <b>2016</b> , 37, 2276-86	9.5	39
23	Association of long-term PM exposure with traditional and novel lipid measures related to cardiovascular disease risk. <i>Environment International</i> , <b>2019</b> , 122, 193-200	12.9	38
22	High-density lipoprotein subclass measurements improve mortality risk prediction, discrimination and reclassification in a cardiac catheterization cohort. <i>Atherosclerosis</i> , <b>2016</b> , 246, 229-35	3.1	35
21	Effects of a 12-week mHealth program on peak VO and physical activity patterns after completing cardiac rehabilitation: A randomized controlled trial. <i>American Heart Journal</i> , <b>2018</b> , 199, 105-114	4.9	28
20	Effects of Increasing Exercise Intensity and Dose on Multiple Measures of HDL (High-Density Lipoprotein) Function. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2018</b> , 38, 943-952	9.4	26
19	Propionate-induced changes in cardiac metabolism, notably CoA trapping, are not altered by l-carnitine. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2018</b> , 315, E622-E633	6	21
18	Muscle-Liver Trafficking of BCAA-Derived Nitrogen Underlies Obesity-Related Glycine Depletion. <i>Cell Reports</i> , <b>2020</b> , 33, 108375	10.6	20
17	Branched-chain ketoacids are preferentially reaminated and activate protein synthesis in the heart. <i>Nature Communications</i> , <b>2021</b> , 12, 1680	17.4	20
16	The Effect of Vigorous- Versus Moderate-Intensity Aerobic Exercise on Insulin Action. <i>Current Cardiology Reports</i> , <b>2016</b> , 18, 117	4.2	18
15	Dietary branched-chain amino acid restriction alters fuel selection and reduces triglyceride stores in hearts of Zucker fatty rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2020</b> , 318, E216-E223	6	17

14	High-Density Lipoprotein Particle Subfractions in Heart Failure With Preserved or Reduced Ejection Fraction. <i>Journal of the American College of Cardiology</i> , <b>2019</b> , 73, 177-186	15.1	16
13	Metabolomics Identifies Novel Blood Biomarkers of Pulmonary Function and COPD in the General Population. <i>Metabolites</i> , <b>2019</b> , 9,	5.6	14
12	Insulin action, type 2 diabetes, and branched-chain amino acids: A two-way street. <i>Molecular Metabolism</i> , <b>2021</b> , 52, 101261	8.8	12
11	Lipoprotein (a): An Update on a Marker of Residual Risk and Associated Clinical Manifestations. <i>American Journal of Cardiology</i> , <b>2020</b> , 126, 94-102	3	8
10	Identification of Undetected Monogenic Cardiovascular Disorders. <i>Journal of the American College of Cardiology</i> , <b>2020</b> , 76, 797-808	15.1	7
9	Association of liver fibrosis risk scores with clinical outcomes in patients with heart failure with preserved ejection fraction: findings from TOPCAT. <i>ESC Heart Failure</i> , <b>2021</b> , 8, 842-848	3.7	7
8	Relationship of Nonalcoholic Fatty Liver Disease and Heart Failure With Preserved Ejection Fraction. <i>JACC Basic To Translational Science</i> , <b>2021</b> , 6, 918-932	8.7	6
7	Trends in cardiorespiratory fitness: The evolution of exercise treadmill testing at a single Academic Medical Center from 1970 to 2012. <i>American Heart Journal</i> , <b>2019</b> , 210, 88-97	4.9	5
6	Refocusing the AIM on HDL in the metabolic syndrome. <i>Atherosclerosis</i> , <b>2016</b> , 251, 531-533	3.1	3
5	Metabolic flexibility via mitochondrial BCAA carrier SLC25A44 is required for optimal fever. <i>ELife</i> , <b>2021</b> , 10,	8.9	2
4	Meta-Analysis of Nonalcoholic Fatty Liver Disease and Incident Heart Failure.. <i>American Journal of Cardiology</i> , <b>2022</b> ,	3	2
3	The heart is just a muscle. <i>Circulation</i> , <b>2015</b> , 131, 914-22	16.7	1
2	Novel plasma biomarkers improve discrimination of metabolic health independent of weight. <i>Scientific Reports</i> , <b>2020</b> , 10, 21365	4.9	1
1	Circulating long chain acylcarnitines and outcomes in diabetic heart failure: an HF-ACTION clinical trial substudy. <i>Cardiovascular Diabetology</i> , <b>2021</b> , 20, 161	8.7	1