

Robert W Mcgarrah

List of Publications by Year in descending order

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36
papers

2,082
citations

304743

22
h-index

361022

35
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39
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39
docs citations

39
times ranked

3524
citing authors

#	ARTICLE	IF	CITATIONS
1	BCAA catabolism in brown fat controls energy homeostasis through SLC25A44. <i>Nature</i> , 2019, 572, 614-619.	27.8	332
2	The BCKDH Kinase and Phosphatase Integrate BCAA and Lipid Metabolism via Regulation of ATP-Citrate Lyase. <i>Cell Metabolism</i> , 2018, 27, 1281-1293.e7.	16.2	222
3	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> , 2016, 5, 538-551.	6.5	210
4	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> , 2016, 5, .	3.7	178
5	Prognostic Implications of Long-Chain Acylcarnitines in Heart Failure and Reversibility With Mechanical Circulatory Support. <i>Journal of the American College of Cardiology</i> , 2016, 67, 291-299.	2.8	143
6	Insulin action, type 2 diabetes, and branched-chain amino acids: A two-way street. <i>Molecular Metabolism</i> , 2021, 52, 101261.	6.5	122
7	Metabolic Dysfunction in Heart Failure: Diagnostic, Prognostic, and Pathophysiologic Insights From Metabolomic Profiling. <i>Current Heart Failure Reports</i> , 2016, 13, 119-131.	3.3	83
8	Association of long-term PM2.5 exposure with traditional and novel lipid measures related to cardiovascular disease risk. <i>Environment International</i> , 2019, 122, 193-200.	10.0	83
9	Aortic valve surgery and survival in patients with moderate or severe aortic stenosis and left ventricular dysfunction. <i>European Heart Journal</i> , 2016, 37, 2276-2286.	2.2	74
10	A Novel Protein Glycanâ€‘Derived Inflammation Biomarker Independently Predicts Cardiovascular Disease and Modifies the Association of HDL Subclasses with Mortality. <i>Clinical Chemistry</i> , 2017, 63, 288-296.	3.2	60
11	High-density lipoprotein subclass measurements improve mortality risk prediction, discrimination and reclassification in a cardiac catheterization cohort. <i>Atherosclerosis</i> , 2016, 246, 229-235.	0.8	56
12	Muscle-Liver Trafficking of BCAA-Derived Nitrogen Underlies Obesity-Related Glycine Depletion. <i>Cell Reports</i> , 2020, 33, 108375.	6.4	49
13	Effects of a 12-week mHealth program on peak VO2 and physical activity patterns after completing cardiac rehabilitation: A randomized controlled trial. <i>American Heart Journal</i> , 2018, 199, 105-114.	2.7	48
14	Branched-chain Î±-ketoacids are preferentially reaminated and activate protein synthesis in the heart. <i>Nature Communications</i> , 2021, 12, 1680.	12.8	45
15	Effects of Increasing Exercise Intensity and Dose on Multiple Measures of HDL (High-Density) Tj ETQq1 1 0.784314,rgBT /Overlock 10	2.4	43
16	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> , 2020, 318, E216-E223.	3.5	43
17	Relationship of Nonalcoholic Fatty Liver Disease and Heart Failure With Preserved Ejection Fraction. <i>JACC Basic To Translational Science</i> , 2021, 6, 918-932.	4.1	41
18	High-Density Lipoprotein Particle Subfractions in Heart Failure With Preserved or Reduced Ejection Fraction. <i>Journal of the American College of Cardiology</i> , 2019, 73, 177-186.	2.8	37

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19	Propionate-induced changes in cardiac metabolism, notably CoA trapping, are not altered by L-carnitine. American Journal of Physiology - Endocrinology and Metabolism, 2018, 315, E622-E633.	3.5	36
20	Metabolomics Identifies Novel Blood Biomarkers of Pulmonary Function and COPD in the General Population. Metabolites, 2019, 9, 61.	2.9	30
21	The Effect of Vigorous- Versus Moderate-Intensity Aerobic Exercise on Insulin Action. Current Cardiology Reports, 2016, 18, 117.	2.9	25
22	Lipoprotein (a): An Update on a Marker of Residual Risk and Associated Clinical Manifestations. American Journal of Cardiology, 2020, 126, 94-102.	1.6	25
23	Association of liver fibrosis risk scores with clinical outcomes in patients with heart failure with preserved ejection fraction: findings from TOPCAT. ESC Heart Failure, 2021, 8, 842-848.	3.1	24
24	Identification of Undetected Monogenic Cardiovascular Disorders. Journal of the American College of Cardiology, 2020, 76, 797-808.	2.8	17
25	Metabolic flexibility via mitochondrial BCAA carrier SLC25A44 is required for optimal fever. ELife, 2021, 10, .	6.0	15
26	Meta-Analysis of Nonalcoholic Fatty Liver Disease and Incident Heart Failure. American Journal of Cardiology, 2022, 171, 180-181.	1.6	15
27	Circulating long chain acylcarnitines and outcomes in diabetic heart failure: an HF-ACTION clinical trial substudy. Cardiovascular Diabetology, 2021, 20, 161.	6.8	8
28	Trends in cardiorespiratory fitness: The evolution of exercise treadmill testing at a single Academic Medical Center from 1970 to 2012. American Heart Journal, 2019, 210, 88-97.	2.7	6
29	Refocusing the AIM on HDL in the metabolic syndrome. Atherosclerosis, 2016, 251, 531-533.	0.8	3
30	Novel plasma biomarkers improve discrimination of metabolic health independent of weight. Scientific Reports, 2020, 10, 21365.	3.3	3
31	A Company of Equals. Journal of the American College of Cardiology, 2015, 66, 589-591.	2.8	1
32	The Heart Is Just a Muscle. Circulation, 2015, 131, 914-922.	1.6	1
33	Metabolic Anthropology. Circulation: Cardiovascular Genetics, 2017, 10, .	5.1	1
34	Integrative Omics. Circulation, 2018, 137, 1173-1175.	1.6	1
35	Plasma metabolites associated with functional and clinical outcomes in heart failure with reduced ejection fraction with and without type 2 diabetes. Scientific Reports, 2022, 12, .	3.3	1
36	Exomes, Proteins, and Cardiovascular Disease. Circulation: Cardiovascular Genetics, 2016, 9, 318-319.	5.1	0