

Linda R Peterson

List of Publications by Year in descending order

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105
papers

4,612
citations

126907

33
h-index

106344

65
g-index

111
all docs

111
docs citations

111
times ranked

5474
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Obesity and Insulin Resistance on Myocardial Substrate Metabolism and Efficiency in Young Women. <i>Circulation</i> , 2004, 109, 2191-2196.	1.6	559
2	Alterations in left ventricular structure and function in young healthy obese women. <i>Journal of the American College of Cardiology</i> , 2004, 43, 1399-1404.	2.8	403
3	Increased Myocardial Fatty Acid Metabolism in Patients With Type 1 Diabetes Mellitus. <i>Journal of the American College of Cardiology</i> , 2006, 47, 598-604.	2.8	226
4	Assessing Cardiac Metabolism. <i>Circulation Research</i> , 2016, 118, 1659-1701.	4.5	211
5	Effect of target stenosis and location on radial artery graft patency. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2002, 123, 45-52.	0.8	179
6	Myocardial Fatty Acid Metabolism. <i>Hypertension</i> , 2003, 41, 83-87.	2.7	141
7	Impact of Gender on the Myocardial Metabolic Response to Obesity. <i>JACC: Cardiovascular Imaging</i> , 2008, 1, 424-433.	5.3	128
8	Effect of acute dietary nitrate intake on maximal knee extensor speed and power in healthy men and women. <i>Nitric Oxide - Biology and Chemistry</i> , 2015, 48, 16-21.	2.7	121
9	Ehrlichiosis presenting as a life-threatening illness with features of the toxic shock syndrome. <i>American Journal of Medicine</i> , 1993, 95, 351-357.	1.5	113
10	Ceramide Remodeling and Risk of Cardiovascular Events and Mortality. <i>Journal of the American Heart Association</i> , 2018, 7, .	3.7	113
11	Acute Dietary Nitrate Intake Improves Muscle Contractile Function in Patients With Heart Failure. <i>Circulation: Heart Failure</i> , 2015, 8, 914-920.	3.9	105
12	Aerobic power and insulin action improve in response to endurance exercise training in healthy 77-87 yr olds. <i>Journal of Applied Physiology</i> , 2005, 98, 40-45.	2.5	97
13	Worksite Opportunities for Wellness (WOW): Effects on cardiovascular disease risk factors after 1 year. <i>Preventive Medicine</i> , 2009, 49, 108-114.	3.4	91
14	Attenuation of cardiovascular adaptations to exercise in frail octogenarians. <i>Journal of Applied Physiology</i> , 2003, 95, 1781-1788.	2.5	77
15	Fatty Acids and Insulin Modulate Myocardial Substrate Metabolism in Humans With Type 1 Diabetes. <i>Diabetes</i> , 2008, 57, 32-40.	0.6	76
16	Timing of cardiac transplantation in patients with heart failure receiving β^2 -adrenergic blockers. <i>Journal of Heart and Lung Transplantation</i> , 2003, 22, 1141-1148.	0.6	74
17	Sex and Type 2 Diabetes: Obesity-Independent Effects on Left Ventricular Substrate Metabolism and Relaxation in Humans. <i>Obesity</i> , 2012, 20, 802-810.	3.0	71
18	Radionuclide Imaging of Myocardial Metabolism. <i>Circulation: Cardiovascular Imaging</i> , 2010, 3, 211-222.	2.6	69

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19	Bariatric Surgeryâ€“Induced Cardiac and Lipidomic Changes in Obesityâ€“Related Heart Failure with Preserved Ejection Fraction. <i>Obesity</i> , 2018, 26, 284-290.	3.0	68
20	Impact of sex on the heart's metabolic and functional responses to diabetic therapies. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 305, H1584-H1591.	3.2	67
21	Effects of soy protein isolate and moderate exercise on bone turnover and bone mineral density in postmenopausal women. <i>Menopause</i> , 2007, 14, 481-488.	2.0	65
22	Sex differences in myocardial oxygen and glucose metabolism. <i>Journal of Nuclear Cardiology</i> , 2007, 14, 573-581.	2.1	64
23	Myocardial Oxygen Consumption Change Predicts Left Ventricular Relaxation Improvement in Obese Humans After Weight Loss. <i>Obesity</i> , 2011, 19, 1804-1812.	3.0	62
24	Increase in Maximal Cycling Power With Acute Dietary Nitrate Supplementation. <i>International Journal of Sports Physiology and Performance</i> , 2016, 11, 715-720.	2.3	54
25	Dietary Nitrate Enhances the Contractile Properties of Human Skeletal Muscle. <i>Exercise and Sport Sciences Reviews</i> , 2018, 46, 254-261.	3.0	52
26	The effect of Î² ₂ -adrenergic blockers on the prognostic value of peak exercise oxygen uptake in patients with heart failure. <i>Journal of Heart and Lung Transplantation</i> , 2003, 22, 70-77.	0.6	51
27	Dietary nitrate-induced increases in human muscle power: high versus low responders. <i>Physiological Reports</i> , 2018, 6, e13575.	1.7	46
28	Metabolic and Molecular Imaging of the Diabetic Cardiomyopathy. <i>Circulation Research</i> , 2020, 126, 1628-1645.	4.5	44
29	Substrate metabolism during basal and hyperinsulinemic conditions in adolescents and youngâ€“adults with Barth syndrome. <i>Journal of Inherited Metabolic Disease</i> , 2013, 36, 91-101.	3.6	42
30	Impact of hormone replacement on myocardial fatty acid metabolism: Potential role of estrogen. <i>Journal of Nuclear Cardiology</i> , 2005, 12, 574-581.	2.1	39
31	A Diet Rich in Medium-Chain Fatty Acids Improves Systolic Function and Alters the Lipidomic Profile in Patients With Type 2 Diabetes: A Pilot Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 504-512.	3.6	39
32	Potential of abnormalities in myocardial metabolism with the development of diabetes in women with obesity and insulin resistance. <i>Journal of Nuclear Cardiology</i> , 2011, 18, 421-429.	2.1	38
33	Dietary Nitrate Increases VO ₂ peak and Performance but Does Not Alter Ventilation or Efficiency in Patients With Heart Failure With Reduced Ejection Fraction. <i>Journal of Cardiac Failure</i> , 2018, 24, 65-73.	1.7	38
34	Obesity and insulin resistance: Effects on cardiac structure, function, and substrate metabolism. <i>Current Hypertension Reports</i> , 2006, 8, 451-456.	3.5	36
35	Noncontrast skeletal muscle oximetry. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 318-325.	3.0	34
36	Impaired cardiac and skeletal muscle bioenergetics in children, adolescents, and young adults with Barth syndrome. <i>Physiological Reports</i> , 2017, 5, e13130.	1.7	33

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37	Type 2 diabetes, obesity, and sex difference affect the fate of glucose in the human heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 308, H1510-H1516.	3.2	31
38	Effect of Ambrisentan on Exercise Capacity in Adult Patients After the Fontan Procedure. <i>American Journal of Cardiology</i> , 2016, 117, 1524-1532.	1.6	30
39	A Single Dose of Dietary Nitrate Increases Maximal Knee Extensor Angular Velocity and Power in Healthy Older Men and Women. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 1154-1160.	3.6	30
40	Myocardial metabolism and cardiac performance in obesity and insulin resistance. <i>Current Cardiology Reports</i> , 2007, 9, 143-149.	2.9	29
41	Intramyocardial triglyceride quantification by magnetic resonance spectroscopy: In vivo and ex vivo correlation in human subjects. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 1234-1238.	3.0	29
42	Association of Circulating Ceramides With Cardiac Structure and Function in the Community: The Framingham Heart Study. <i>Journal of the American Heart Association</i> , 2019, 8, e013050.	3.7	29
43	Sex affects myocardial blood flow and fatty acid substrate metabolism in humans with nonischemic heart failure. <i>Journal of Nuclear Cardiology</i> , 2017, 24, 1226-1235.	2.1	27
44	Reperfusion therapy in patients with acute myocardial infarction and prior coronary artery bypass graft surgery (National Registry of Myocardial Infarction-2). <i>American Journal of Cardiology</i> , 1999, 84, 1287-1291.	1.6	26
45	Comparison of effects of exercise and diuretic on left ventricular geometry, mass, and insulin resistance in older hypertensive adults. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2004, 287, R360-R368.	1.8	26
46	Development and validation of LC-MS/MS method for determination of very long acyl chain (C22:0 and Tj ETQq0 0,0,rgBT /Overlock 10	3.7	26
47	Identifying the Critical Gaps in Research on Sex Differences in Metabolism Across the Life Span. <i>Endocrinology</i> , 2018, 159, 9-19.	2.8	25
48	Circulating ceramide ratios and risk of vascular brain aging and dementia. <i>Annals of Clinical and Translational Neurology</i> , 2020, 7, 160-168.	3.7	25
49	Blunted fat oxidation upon submaximal exercise is partially compensated by enhanced glucose metabolism in children, adolescents, and young adults with Barth syndrome. <i>Journal of Inherited Metabolic Disease</i> , 2019, 42, 480-493.	3.6	24
50	Cardiovascular Safety of Abaloparatide in Postmenopausal Women With Osteoporosis: Analysis From the ACTIVE Phase 3 Trial. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, 3384-3395.	3.6	24
51	Alterations in Left Ventricular Structure and Function in Type-1 Diabetics: A Focus on Left Atrial Contribution to Function. <i>Journal of the American Society of Echocardiography</i> , 2006, 19, 749-755.	2.8	23
52	Diabetic Cardiovascular Disease: Getting to the Heart of the Matter. <i>Journal of Cardiovascular Translational Research</i> , 2012, 5, 436-445.	2.4	23
53	Peak exercise stroke volume: associations with cardiac structure and diastolic function. <i>Journal of Applied Physiology</i> , 2003, 94, 1108-1114.	2.5	22
54	A 18 F-PET \rightarrow area of interest: myocardial metabolism in human systolic heart failure. <i>Heart Failure Reviews</i> , 2013, 18, 567-574.	3.9	21

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55	Myocardial glucose and fatty acid metabolism is altered and associated with lower cardiac function in young adults with Barth syndrome. <i>Journal of Nuclear Cardiology</i> , 2021, 28, 1649-1659.	2.1	21
56	Endurance Exercise Training in Young Adults with Barth Syndrome: A Pilot Study. <i>JIMD Reports</i> , 2016, 32, 15-24.	1.5	20
57	Estrogen replacement therapy and coronary artery disease. <i>Current Opinion in Cardiology</i> , 1998, 13, 223-231.	1.8	19
58	Short-term oral estrogen replacement therapy does not augment endothelium-independent myocardial perfusion in postmenopausal women. <i>American Heart Journal</i> , 2001, 142, 641-647.	2.7	19
59	Dietary Patterns, Ceramide Ratios, and Risk of All-Cause and Cause-Specific Mortality: The Framingham Offspring Study. <i>Journal of Nutrition</i> , 2020, 150, 2994-3004.	2.9	18
60	Absence of left ventricular and arterial adaptations to exercise in octogenarians. <i>Journal of Applied Physiology</i> , 2004, 97, 1654-1659.	2.5	17
61	Measurements of the Cyclic Variation of Myocardial Backscatter From Two-Dimensional Echocardiographic Images as an Approach for Characterizing Diabetic Cardiomyopathy. <i>Journal of the Cardiometabolic Syndrome</i> , 2006, 1, 149-152.	1.7	17
62	Dietary Nitrate and Skeletal Muscle Contractile Function in Heart Failure. <i>Current Heart Failure Reports</i> , 2016, 13, 158-165.	3.3	16
63	Value of saphenous vein graft markers during subsequent diagnostic cardiac catheterization. <i>Annals of Thoracic Surgery</i> , 1999, 68, 2263-2266.	1.3	15
64	The Cardiometabolic Syndrome and Cardiovascular Disease. <i>Journal of the Cardiometabolic Syndrome</i> , 2006, 1, 25-28.	1.7	15
65	Reduced Muscle Strength in Barth Syndrome May Be Improved by Resistance Exercise Training: A Pilot Study. <i>JIMD Reports</i> , 2018, 41, 63-72.	1.5	13
66	Peak oxygen uptake (VO ₂ peak) across childhood, adolescence and young adulthood in Barth syndrome: Data from cross-sectional and longitudinal studies. <i>PLoS ONE</i> , 2018, 13, e0197776.	2.5	13
67	Cardiovascular consequences of obesity and targets for treatment. <i>Drug Discovery Today: Therapeutic Strategies</i> , 2008, 5, 53-61.	0.5	11
68	Myocardial Metastasis or Benign Brown Fat?. <i>Circulation: Cardiovascular Imaging</i> , 2009, 2, e25-7.	2.6	11
69	Simultaneous Pharmacokinetic Analysis of Nitrate and its Reduced Metabolite, Nitrite, Following Ingestion of Inorganic Nitrate in a Mixed Patient Population. <i>Pharmaceutical Research</i> , 2020, 37, 235.	3.5	11
70	Alterations in plasma triglycerides and ceramides: links with cardiac function in humans with type 2 diabetes. <i>Journal of Lipid Research</i> , 2020, 61, 1065-1074.	4.2	11
71	Effects of human immunodeficiency virus and metabolic complications on myocardial nutrient metabolism, blood flow, and oxygen consumption: a cross-sectional analysis. <i>Cardiovascular Diabetology</i> , 2011, 10, 111.	6.8	10
72	Pilot Study of Pioglitazone and Exercise Training Effects on Basal Myocardial Substrate Metabolism and Left Ventricular Function in HIV-Positive Individuals with Metabolic Complications. <i>HIV Clinical Trials</i> , 2013, 14, 303-312.	2.0	10

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73	Genetic Architecture of Circulating Very-Long-Chain (C24:0 and C22:0) Ceramide Concentrations. <i>Journal of Lipid and Atherosclerosis</i> , 2020, 9, 172.	3.5	10
74	Coronary circulatory function with increasing obesity: A complex Uâ€turn. <i>European Journal of Clinical Investigation</i> , 2022, 52, e13755.	3.4	10
75	Estrogen Increases Hyperemic Microvascular Blood Flow Velocity in Postmenopausal Women. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2000, 55, M174-M179.	3.6	9
76	Quantitative Analysis of the Magnitude and Time Delay of Cyclic Variation of Myocardial Backscatter from Asymptomatic Type 2 Diabetes Mellitus Subjects. <i>Ultrasound in Medicine and Biology</i> , 2009, 35, 1458-1467.	1.5	8
77	Prospective Comparison of Ventilatory Equivalent Versus Peak Oxygen Consumption in Predicting Outcomes of Patients With Heart Failure. <i>American Journal of Cardiology</i> , 2006, 97, 1607-1610.	1.6	7
78	Echocardiographic Tissue Characterization Demonstrates Differences in the Left and Right Sides of the Ventricular Septum. <i>Ultrasound in Medicine and Biology</i> , 2010, 36, 1653-1661.	1.5	7
79	Dietary nitrate's effects on exercise performance in heart failure with reduced ejection fraction (HFrEF). <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 735-740.	3.8	7
80	Strain Imaging Using Speckle Tracking in the Cardiometabolic Syndrome: Method and Utility. <i>Journal of the Cardiometabolic Syndrome</i> , 2008, 3, 258-261.	1.7	6
81	The Safety of Performing Diagnostic Cardiac Catheterizations in a Mobile Catheterization Laboratory at Primary Care Hospitals. <i>Angiology</i> , 2004, 55, 499-506.	1.8	5
82	Metabolic Biomarkers Assessed with PET/CT Predict Sex-Specific Longitudinal Outcomes in Patients with Diffuse Large B-Cell Lymphoma. <i>Cancers</i> , 2022, 14, 2932.	3.7	5
83	To Lose Weight or Not to Lose Weight, That Is the Big Questionâ€in Obesity-Related Heart Failure. <i>Diabetes</i> , 2015, 64, 1509-1510.	0.6	4
84	Weight Loss Affects Intramyocardial Glucose Metabolism in Obese Humans. <i>Circulation: Cardiovascular Imaging</i> , 2019, 12, e009241.	2.6	4
85	Modified Application of Cardiac Rehabilitation in Older Adults (MACRO) Trial: Protocol changes in a pragmatic multi-site randomized controlled trial in response to the COVID-19 pandemic. <i>Contemporary Clinical Trials</i> , 2022, 112, 106633.	1.8	4
86	Links between ceramides and cardiac function. <i>Current Opinion in Lipidology</i> , 2022, 33, 47-56.	2.7	4
87	Limits of a localized magnetic resonance spectroscopy assay for ex vivo myocardial triacylglycerol. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 45, 382-389.	2.8	3
88	Bayesian Parameter Estimation for Characterizing the Cyclic Variation of Echocardiographic Backscatter to Assess the Hearts of Asymptomatic Type 2 Diabetes Mellitus Subjects. <i>Ultrasound in Medicine and Biology</i> , 2011, 37, 805-812.	1.5	3
89	Relationships Among HIV Infection, Metabolic Risk Factors, and Left Ventricular Structure and Function. <i>AIDS Research and Human Retroviruses</i> , 2013, 29, 1151-1160.	1.1	3
90	Evaluation of Diastole in an Obese Young Woman: Mitral Valve Inflow Doppler vs. Mitral Annular Tissue Doppler Imaging. <i>Journal of the Cardiometabolic Syndrome</i> , 2006, 1, 74-75.	1.7	2

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91	Adipose Tissue Imaging. JACC: Cardiovascular Imaging, 2010, 3, 852-853.	5.3	2
92	Cardiac Rehabilitation: You Can't Have "Too Much of a Good Thing". Journal of Cardiac Failure, 2020, 26, 652-653.	1.7	2
93	Quantification of myocardial oxygen extraction fraction: A proof-of-concept study. Magnetic Resonance in Medicine, 2021, 85, 3318-3325.	3.0	2
94	Skeletal Muscle Contractile Function in Heart Failure With Reduced Ejection Fraction—A Focus on Nitric Oxide. Frontiers in Physiology, 2022, 13, .	2.8	2
95	Sinus Node Artery Fistula. Circulation, 1998, 97, 499-500.	1.6	1
96	¹⁸ F-Fluorodeoxyglucose™ matters: In the myocardium of patients with type 1 diabetes. Journal of Nuclear Cardiology, 2016, 23, 970-972.	2.1	1
97	Contemporary Advances in Myocardial Metabolic Imaging and Their Impact on Clinical Care: a Focus on Positron Emission Tomography (PET). Current Cardiovascular Imaging Reports, 2018, 11, 1.	0.6	1
98	Heart Failure With Reduced Ejection Fraction: "The Importance of Being Frail". Circulation, 2022, 146, 91-93.	1.6	1
99	Positron Emission Tomography Imaging in the Cardiometabolic Syndrome. Journal of the Cardiometabolic Syndrome, 2007, 2, 67-69.	1.7	0
100	The Controversy Regarding Contrast Echocardiography and How It Affects Patients With the Cardiometabolic Syndrome. Journal of the Cardiometabolic Syndrome, 2008, 3, 188-191.	1.7	0
101	Alterations in Cardiac Metabolism. , 2011, , 312-329.		0
102	Cardiac Metabolism " The Link to Clinical Practice. , 2016, , 191-205.		0
103	PET Imaging of Myocardial Metabolism in Health and Disease. , 2019, , 175-202.		0
104	[Reply to Notarius]. Journal of Cardiac Failure, 2019, 25, 223.	1.7	0
105	Imaging of Myocardial Metabolism. , 2010, , 641-656.		0