

Mark T Kearney

List of Publications by Year in descending order

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Version: 2024-02-01

118
papers

5,396
citations

87888

38
h-index

91884

69
g-index

120
all docs

120
docs citations

120
times ranked

8056
citing authors

#	ARTICLE	IF	CITATIONS
1	Guideline-directed medical therapy is similarly effective in heart failure with mildly reduced ejection fraction. <i>Clinical Research in Cardiology</i> , 2023, 112, 111-122.	3.3	8
2	Endothelial Piezo1 sustains muscle capillary density and contributes to physical activity. <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	23
3	Recent developments in the structural characterisation of the IR and IGF1R: implications for the design of IR&IIGF1R hybrid receptor modulators. <i>RSC Medicinal Chemistry</i> , 2022, 13, 360-374.	3.9	12
4	Diabetes mellitus and the causes of hospitalisation in people with heart failure. <i>Diabetes and Vascular Disease Research</i> , 2022, 19, 147916412110739.	2.0	1
5	Paracrine Role of the Endothelium in Metabolic Homeostasis in Health and Nutrient Excess. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 882923.	2.4	8
6	Systemic Inflammation Is Associated With Future Risk of Fatal Infection: An Observational Cohort Study. <i>Journal of Infectious Diseases</i> , 2022, 226, 554-562.	4.0	5
7	Cixutumumab reveals a critical role for IGF-1 in adipose and hepatic tissue remodelling during the development of diet-induced obesity. <i>Adipocyte</i> , 2022, 11, 366-378.	2.8	2
8	Reduction of heart failure guideline-directed medication during hospitalization: prevalence, risk factors, and outcomes. <i>ESC Heart Failure</i> , 2022, 9, 3298-3307.	3.1	4
9	Association of heart failure and its comorbidities with loss of life expectancy. <i>Heart</i> , 2021, 107, 1417-1421.	2.9	21
10	Advanced care planning during the COVID-19 pandemic: ceiling of care decisions and their implications for observational data. <i>BMC Palliative Care</i> , 2021, 20, 10.	1.8	18
11	Diabetes, gender and deterioration in estimated glomerular filtration rate in patients with chronic heart failure: Ten-year prospective cohort study. <i>Diabetes and Vascular Disease Research</i> , 2021, 18, 147916412098443.	2.0	1
12	Endothelial IGF&I1 receptor mediates crosstalk with the gut wall to regulate microbiota in obesity. <i>EMBO Reports</i> , 2021, 22, e50767.	4.5	7
13	Endothelial Insulin Receptors Promote VEGF-A Signaling via ERK1/2 and Sprouting Angiogenesis. <i>Endocrinology</i> , 2021, 162, .	2.8	20
14	Impact of QRS duration on left ventricular remodelling and survival in patients with heart failure. <i>Journal of Cardiovascular Medicine</i> , 2021, 22, 848-856.	1.5	6
15	Non-communicable disease, sociodemographic factors, and risk of death from infection: a UK Biobank observational cohort study. <i>Lancet Infectious Diseases</i> , The, 2021, 21, 1184-1191.	9.1	36
16	Pericyte Insulin Receptors Modulate Retinal Vascular Remodeling and Endothelial Angiopoietin Signaling. <i>Endocrinology</i> , 2021, 162, .	2.8	9
17	Novel Paracrine Action of Endothelium Enhances Glucose Uptake in Muscle and Fat. <i>Circulation Research</i> , 2021, 129, 720-734.	4.5	7
18	Causes of Death in People With Cardiovascular Disease: A UK Biobank Cohort Study. <i>Journal of the American Heart Association</i> , 2021, 10, e023188.	3.7	13

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19	Personalised reprogramming to prevent progressive pacemaker-related left ventricular dysfunction: A phase II randomised, controlled clinical trial. PLoS ONE, 2021, 16, e0259450.	2.5	0
20	Divergent skeletal muscle mitochondrial phenotype between male and female patients with chronic heart failure. Journal of Cachexia, Sarcopenia and Muscle, 2020, 11, 79-88.	7.3	15
21	Chronic heart failure with diabetes mellitus is characterized by a severe skeletal muscle pathology. Journal of Cachexia, Sarcopenia and Muscle, 2020, 11, 394-404.	7.3	20
22	IGFBP-1 in Cardiometabolic Pathophysiology—Insights From Loss-of-Function and Gain-of-Function Studies in Male Mice. Journal of the Endocrine Society, 2020, 4, bvz006.	0.2	4
23	Orai1 Channel Inhibition Preserves Left Ventricular Systolic Function and Normal Ca ²⁺ Handling After Pressure Overload. Circulation, 2020, 141, 199-216.	1.6	42
24	Prioritizing symptom management in the treatment of chronic heart failure. ESC Heart Failure, 2020, 7, 2193-2207.	3.1	32
25	Unique Transcriptome Signature Distinguishes Patients With Heart Failure With Myopathy. Journal of the American Heart Association, 2020, 9, e017091.	3.7	11
26	Infection-Related Hospitalization in Heart Failure With Reduced Ejection Fraction. Circulation: Heart Failure, 2020, 13, e006746.	3.9	39
27	Inorganic Nitrate Promotes Glucose Uptake and Oxidative Catabolism in White Adipose Tissue Through the XOR-Catalyzed Nitric Oxide Pathway. Diabetes, 2020, 69, 893-901.	0.6	8
28	Divergent effects of genetic and pharmacological inhibition of Nox2 NADPH oxidase on insulin resistance-related vascular damage. American Journal of Physiology - Cell Physiology, 2020, 319, C64-C74.	4.6	11
29	Personalized Rate-Response Programming Improves Exercise Tolerance After 6 Months in People With Cardiac Implantable Electronic Devices and Heart Failure. Circulation, 2020, 141, 1693-1703.	1.6	12
30	Effect of disease-modifying agents and their association with mortality in multi-morbid patients with heart failure with reduced ejection fraction. ESC Heart Failure, 2020, 7, 3859-3870.	3.1	7
31	Response by Gierula et al to Letter Regarding Article, "Personalized Rate-Response Programming Improves Exercise Tolerance After 6 Months in People With Cardiac Implantable Electronic Devices and Heart Failure: A Phase II Study". Circulation, 2020, 142, e319-e320.	1.6	0
32	Predicting one-year mortality in heart failure using the "Surprise Question": a prospective pilot study. European Journal of Heart Failure, 2019, 21, 227-234.	7.1	40
33	Vitamin D deficiency is an independent predictor of mortality in patients with chronic heart failure. European Journal of Nutrition, 2019, 58, 2535-2543.	3.9	23
34	Optimising pacemaker therapy and medical therapy in pacemaker patients for heart failure: protocol for the OPT-PACE randomised controlled trial. BMJ Open, 2019, 9, e028613.	1.9	2
35	Piezo1 channel activation mimics high glucose as a stimulator of insulin release. Scientific Reports, 2019, 9, 16876.	3.3	29
36	Heart failure: A preventable and treatable complication of type 2 diabetes. Journal of Diabetes, 2019, 11, 613-616.	1.8	6

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37	TRPC5 ion channel permeation promotes weight gain in hypercholesterolaemic mice. <i>Scientific Reports</i> , 2019, 9, 773.	3.3	5
38	Prognostic Significance of Incidental Nonsustained Ventricular Tachycardia Detected on Pacemaker Interrogation. <i>American Journal of Cardiology</i> , 2019, 123, 409-413.	1.6	8
39	Prospective evaluation and long-term follow-up of patients referred to secondary care based upon natriuretic peptide levels in primary care. <i>European Heart Journal Quality of Care & Clinical Outcomes</i> , 2019, 5, 218-224.	4.0	3
40	Effects of obesity on insulin: insulin-like growth factor 1 hybrid receptor expression and Akt phosphorylation in conduit and resistance arteries. <i>Diabetes and Vascular Disease Research</i> , 2019, 16, 160-170.	2.0	10
41	Insulinlike Growth Factor-1 Binding Protein-1 Improves Vascular Endothelial Repair in Male Mice in the Setting of Insulin Resistance. <i>Endocrinology</i> , 2018, 159, 696-709.	2.8	10
42	Socioeconomic deprivation and mode-specific outcomes in patients with chronic heart failure. <i>Heart</i> , 2018, 104, 993-998.	2.9	49
43	Devices in heart failure; diagnosis, detection and disease modification. <i>British Medical Bulletin</i> , 2018, 125, 91-102.	6.9	3
44	Cardiovascular magnetic resonance measures of aortic stiffness in asymptomatic patients with type 2 diabetes: association with glycaemic control and clinical outcomes. <i>Cardiovascular Diabetology</i> , 2018, 17, 35.	6.8	15
45	Rate-Response Programming Tailored to the Force-Frequency Relationship Improves Exercise Tolerance in Chronic Heart Failure. <i>JACC: Heart Failure</i> , 2018, 6, 105-113.	4.1	14
46	Endothelial Insulin Receptor Restoration Rescues Vascular Function in Male Insulin Receptor Haploinsufficient Mice. <i>Endocrinology</i> , 2018, 159, 2917-2925.	2.8	11
47	Prevalence and Predictors of Sepsis Death in Patients With Chronic Heart Failure and Reduced Left Ventricular Ejection Fraction. <i>Journal of the American Heart Association</i> , 2018, 7, e009684.	3.7	52
48	Ischemic Heart Disease Modifies the Association of Atrial Fibrillation With Mortality in Heart Failure With Reduced Ejection Fraction. <i>Journal of the American Heart Association</i> , 2018, 7, e009770.	3.7	9
49	Attenuation of oxidative stress-induced lesions in skeletal muscle in a mouse model of obesity-independent hyperlipidaemia and atherosclerosis through the inhibition of Nox2 activity. <i>Free Radical Biology and Medicine</i> , 2018, 129, 504-519.	2.9	15
50	Homotypic endothelial nanotubes induced by wheat germ agglutinin and thrombin. <i>Scientific Reports</i> , 2018, 8, 7569.	3.3	8
51	Improving outcomes in patients with type 2 diabetes mellitus and chronic heart failure: New hope. <i>Journal of Diabetes</i> , 2018, 10, 799-800.	1.8	2
52	A portable prototype magnetometer to differentiate ischemic and non-ischemic heart disease in patients with chest pain. <i>PLoS ONE</i> , 2018, 13, e0191241.	2.5	12
53	Mortality Reduction Associated With β^2 -Adrenoceptor Inhibition in Chronic Heart Failure Is Greater in Patients With Diabetes. <i>Diabetes Care</i> , 2018, 41, 136-142.	8.6	32
54	Diabetic heart failure patients demonstrate a mitochondrial complex I dependent impairment in skeletal muscle. <i>FASEB Journal</i> , 2018, 32, 903.10.	0.5	0

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55	Response by Viswambharan and Kearney to Letter Regarding Article, "Selective Enhancement of Insulin Sensitivity in the Endothelium In Vivo Reveals a Novel Proatherosclerotic Signaling Loop"; Circulation Research, 2017, 120, e4-e5.	4.5	0
56	Cre/lox Studies Identify Resident Macrophages as the Major Source of Circulating Coagulation Factor XIII-A. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 1494-1502.	2.4	44
57	Selective Enhancement of Insulin Sensitivity in the Endothelium In Vivo Reveals a Novel Proatherosclerotic Signaling Loop. Circulation Research, 2017, 120, 784-798.	4.5	33
58	Endothelial SHIP2 Suppresses Nox2 NADPH Oxidase-Dependent Vascular Oxidative Stress, Endothelial Dysfunction, and Systemic Insulin Resistance. Diabetes, 2017, 66, 2808-2821.	0.6	23
59	Piezo1 channels sense whole body physical activity to reset cardiovascular homeostasis and enhance performance. Nature Communications, 2017, 8, 350.	12.8	197
60	Diabetes Mellitus, Microalbuminuria, and Subclinical Cardiac Disease: Identification and Monitoring of Individuals at Risk of Heart Failure. Journal of the American Heart Association, 2017, 6, .	3.7	67
61	226...The impact of nadph oxidase 2 inhibition on skeletal muscle pathophysiology of atherosclerotic mice. Heart, 2017, 103, A146.1-A146.	2.9	0
62	Insulin-Like Growth Factor Binding Protein 1 Could Improve Glucose Regulation and Insulin Sensitivity Through Its RGD Domain. Diabetes, 2017, 66, 287-299.	0.6	52
63	Diabetes mellitus and heart failure: a deadly duo. Journal of Thoracic Disease, 2017, 9, 16-18.	1.4	2
64	VEGF-A isoforms program differential VEGFR2 signal transduction, trafficking and proteolysis. Biology Open, 2016, 5, 571-583.	1.2	43
65	Performance of 2014 NICE defibrillator implantation guidelines in heart failure risk stratification. Heart, 2016, 102, 735-740.	2.9	3
66	Effects of Vitamin D on Cardiac Function in Patients With Chronic HF. Journal of the American College of Cardiology, 2016, 67, 2593-2603.	2.8	179
67	Chronotropic Incompetence Does Not Limit Exercise Capacity in Chronic Heart Failure. Journal of the American College of Cardiology, 2016, 67, 1885-1896.	2.8	32
68	Diabetes mellitus is associated with adverse structural and functional cardiac remodelling in chronic heart failure with reduced ejection fraction. Diabetes and Vascular Disease Research, 2016, 13, 331-340.	2.0	34
69	A Novel and Practical Screening Tool for the Detection of Silent Myocardial Infarction in Patients With Type 2 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 3316-3323.	3.6	15
70	Endothelial IGF-1 Receptor Signalling in Diabetes and Insulin Resistance. Trends in Endocrinology and Metabolism, 2016, 27, 96-104.	7.1	29
71	An evaluation of 20year survival in patients with diabetes mellitus and acute myocardial infarction. International Journal of Cardiology, 2016, 203, 141-144.	1.7	13
72	Chronic heart failure and type 2 diabetes mellitus: The last battle?. Diabetes and Vascular Disease Research, 2015, 12, 226-227.	2.0	7

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73	Orai3 Surface Accumulation and Calcium Entry Evoked by Vascular Endothelial Growth Factor. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 1987-1994.	2.4	27
74	In Silico Design and Biological Evaluation of a Dual Specificity Kinase Inhibitor Targeting Cell Cycle Progression and Angiogenesis. <i>PLoS ONE</i> , 2014, 9, e110997.	2.5	12
75	The microvascular effects of insulin resistance and diabetes on cardiac structure, function, and perfusion: a cardiovascular magnetic resonance study. <i>European Heart Journal Cardiovascular Imaging</i> , 2014, 15, 1368-1376.	1.2	53
76	Contemporary treatment strategies for Type 2 diabetes-related macrovascular disease. <i>Expert Review of Endocrinology and Metabolism</i> , 2014, 9, 641-658.	2.4	1
77	Haploinsufficiency of the Insulin-Like Growth Factor-1 Receptor Enhances Endothelial Repair and Favorably Modifies Angiogenic Progenitor Cell Phenotype. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 2051-2058.	2.4	16
78	Restoring Akt1 Activity in Outgrowth Endothelial Cells From South Asian Men Rescues Vascular Reparative Potential. <i>Stem Cells</i> , 2014, 32, 2714-2723.	3.2	18
79	Piezo1 integration of vascular architecture with physiological force. <i>Nature</i> , 2014, 515, 279-282.	27.8	813
80	The IGF-1 receptor and regulation of nitric oxide bioavailability and insulin signalling in the endothelium. <i>Pflugers Archiv European Journal of Physiology</i> , 2013, 465, 1065-1074.	2.8	11
81	Sympathetic Activation and Vasoregulation in Response to Carbohydrate Ingestion in Patients With Congestive Heart Failure. <i>Canadian Journal of Cardiology</i> , 2013, 29, 236-242.	1.7	8
82	Endothelium-specific insulin resistance leads to accelerated atherosclerosis in areas with disturbed flow patterns: A role for reactive oxygen species. <i>Atherosclerosis</i> , 2013, 230, 131-139.	0.8	54
83	Nox2 NADPH Oxidase Has a Critical Role in Insulin Resistance-Related Endothelial Cell Dysfunction. <i>Diabetes</i> , 2013, 62, 2130-2134.	0.6	117
84	Importance of insulin resistance to vascular repair and regeneration. <i>Free Radical Biology and Medicine</i> , 2013, 60, 246-263.	2.9	9
85	Diabetes mellitus is associated with adverse prognosis in chronic heart failure of ischaemic and non-ischaemic aetiology. <i>Diabetes and Vascular Disease Research</i> , 2013, 10, 330-336.	2.0	132
86	Changing the Way We Think About Endothelial Cell Insulin Sensitivity, Nitric Oxide, and the Pathophysiology of Type 2 Diabetes. <i>Diabetes</i> , 2013, 62, 1386-1388.	0.6	13
87	Novel Role of the IGF-1 Receptor in Endothelial Function and Repair. <i>Diabetes</i> , 2012, 61, 2359-2368.	0.6	54
88	Constitutively Active TRPC Channels of Adipocytes Confer a Mechanism for Sensing Dietary Fatty Acids and Regulating Adiponectin. <i>Circulation Research</i> , 2012, 111, 191-200.	4.5	90
89	Insulin- and Growth Factor-Resistance Impairs Vascular Regeneration in Diabetes Mellitus. <i>Current Vascular Pharmacology</i> , 2012, 10, 271-284.	1.7	17
90	The Insulin-Like Growth Factor-1 Receptor Is a Negative Regulator of Nitric Oxide Bioavailability and Insulin Sensitivity in the Endothelium. <i>Diabetes</i> , 2011, 60, 2169-2178.	0.6	79

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91	Insulin Resistance Impairs Circulating Angiogenic Progenitor Cell Function and Delays Endothelial Regeneration. <i>Diabetes</i> , 2011, 60, 1295-1303.	0.6	50
92	Changing Characteristics and Mode of Death Associated With Chronic Heart Failure Caused by Left Ventricular Systolic Dysfunction. <i>Circulation: Heart Failure</i> , 2011, 4, 396-403.	3.9	120
93	Human Exercise-Induced Circulating Progenitor Cell Mobilization Is Nitric Oxide-Dependent and Is Blunted in South Asian Men. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 878-884.	2.4	55
94	The role of IGF-1 resistance in obesity and type 2 diabetes-mellitus-related insulin resistance and vascular disease. <i>Expert Opinion on Therapeutic Targets</i> , 2010, 14, 1333-1342.	3.4	29
95	Insulin resistance, lipotoxicity and endothelial dysfunction. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2010, 1801, 320-326.	2.4	55
96	Vascular Insulin-Like Growth Factor-I Resistance and Diet-Induced Obesity. <i>Endocrinology</i> , 2009, 150, 4575-4582.	2.8	47
97	IGF-dependent and IGF-independent actions of IGF-binding protein-1 and -2: implications for metabolic homeostasis. <i>Trends in Endocrinology and Metabolism</i> , 2009, 20, 153-162.	7.1	237
98	Insulin resistance and endothelial cell dysfunction: studies in mammalian models. <i>Experimental Physiology</i> , 2008, 93, 158-163.	2.0	75
99	The role of IGF-1 and its binding proteins in the development of type 2 diabetes and cardiovascular disease. <i>Diabetes, Obesity and Metabolism</i> , 2008, 10, 198-211.	4.4	79
100	Role of IGF-1 in glucose regulation and cardiovascular disease. <i>Expert Review of Cardiovascular Therapy</i> , 2008, 6, 1135-1149.	1.5	51
101	Aspirin and Mortality in Patients With Diabetes Sustaining Acute Coronary Syndrome. <i>Diabetes Care</i> , 2008, 31, 363-365.	8.6	38
102	Effect of Endothelium-Specific Insulin Resistance on Endothelial Function In Vivo. <i>Diabetes</i> , 2008, 57, 3307-3314.	0.6	154
103	Diabetes Mellitus and Mortality after Acute Coronary Syndrome as a First or Recurrent Cardiovascular Event. <i>PLoS ONE</i> , 2008, 3, e3483.	2.5	19
104	Vascular Dysfunction and Reduced Circulating Endothelial Progenitor Cells in Young Healthy UK South Asian Men. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007, 27, 936-942.	2.4	130
105	IGF-Binding Protein-2 Protects Against the Development of Obesity and Insulin Resistance. <i>Diabetes</i> , 2007, 56, 285-294.	0.6	231
106	Accelerated endothelial dysfunction in mild prediabetic insulin resistance: the early role of reactive oxygen species. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 293, E1311-E1319.	3.5	71
107	The association between saphenous vein endothelial function, systemic inflammation, and statin therapy in patients undergoing coronary artery bypass surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2007, 134, 335-341.	0.8	23
108	Temporal trends in mortality of patients with diabetes mellitus suffering acute myocardial infarction: a comparison of over 3000 patients between 1995 and 2003. <i>European Heart Journal</i> , 2006, 28, 540-545.	2.2	102

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109	Heart rate turbulence and death due to cardiac decompensation in patients with chronic heart failure. <i>European Journal of Heart Failure</i> , 2006, 8, 585-590.	7.1	44
110	Inducible Nitric Oxide Synthase Has Divergent Effects on Vascular and Metabolic Function in Obesity. <i>Diabetes</i> , 2005, 54, 1082-1089.	0.6	137
111	Endothelial Function and Weight Loss in Obese Humans. <i>Obesity Surgery</i> , 2005, 15, 1055-1060.	2.1	104
112	Preserved Glucoregulation but Attenuation of the Vascular Actions of Insulin in Mice Heterozygous for Knockout of the Insulin Receptor. <i>Diabetes</i> , 2004, 53, 2645-2652.	0.6	61
113	Vascular Endothelial Function and Blood Pressure Homeostasis in Mice Overexpressing IGF Binding Protein-1. <i>Diabetes</i> , 2003, 52, 2075-2082.	0.6	33
114	A prognostic index to predict long-term mortality in patients with mild to moderate chronic heart failure stabilised on angiotensin converting enzyme inhibitors. <i>European Journal of Heart Failure</i> , 2003, 5, 489-497.	7.1	52
115	Acute haemodynamic effects of lipolysis-induced increase of free fatty acids in healthy men. <i>Clinical Science</i> , 2002, 102, 495-500.	4.3	23
116	Predicting death due to progressive heart failure in patients with mild-to-moderate chronic heart failure. <i>Journal of the American College of Cardiology</i> , 2002, 40, 1801-1808.	2.8	193
117	Effects of Nitric Oxide Synthase Inhibition on Basal Function and the Force-Frequency Relationship in the Normal and Failing Human Heart In Vivo. <i>Circulation</i> , 2001, 104, 2318-2323.	1.6	88
118	Depressor Action of Insulin on Skeletal Muscle Vasculature: A Novel Mechanism for Postprandial Hypotension in the Elderly. <i>Journal of the American College of Cardiology</i> , 1998, 31, 209-216.	2.8	38