John F O'sullivan

List of Publications by Year
in descending order

44	3,144	236925	265206
papers	citations	25	42
		h-index	g-index

46	46	46	6277
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multi-omics of a pre-clinical model of diabetic cardiomyopathy reveals increased fatty acid supply impacts mitochondrial metabolic selectivity. Journal of Molecular and Cellular Cardiology, 2022, 164, 92-109.	1.9	4
2	Models of cardiovascular surgery biobanking to facilitate translational research and precision medicine. ESC Heart Failure, 2022, 9, 21-30.	3.1	5
3	Design and validation of an LC-MS/MS method for simultaneous quantification of asymmetric dimethylguanidino valeric acid, asymmetric dimethylarginine and symmetric dimethylarginine in human plasma. Pathology, 2022, 54, 591-598.	0.6	2
4	Effect of chronic exercise in healthy young male adults: a metabolomic analysis. Cardiovascular Research, 2021, 117, 613-622.	3.8	32
5	Plasma levels of trimethylamine-N-oxide can be increased with â€˜healthyâ€™ and â€˜unhealthyâ€™ diets and do not correlate with the extent of atherosclerosis but with plaque instability. Cardiovascular Research, 2021, 117, 435-449.	3.8	58
6	Metabolic Signatures in Coronary Artery Disease: Results from the BioHEART-CT Study. Cells, 2021, 10, 980.	4.1	16
7	Impact of dietary carbohydrate type and proteinâ€"carbohydrate interaction on metabolic health. Nature Metabolism, 2021, 3, 810-828.	11.9	42
8	Optimizing the discovery and assessment of therapeutic targets in heart failure with preserved ejection fraction. ESC Heart Failure, 2021, 8, 3643-3655.	3.1	5
9	A hierarchical approach to removal of unwanted variation for large-scale metabolomics data. Nature Communications, 2021, 12, 4992.	12.8	22
10	Gut microbiota impact on the peripheral immune response in non-alcoholic fatty liver disease related hepatocellular carcinoma. Nature Communications, 2021, 12, 187.	12.8	209
11	Metabolite signatures of heart failure, sleep apnoea, their interaction, and outcomes in the community. ESC Heart Failure, 2021, , .	3.1	4
12	Relationship of Myocardial Gadolinium Enhancement to Late Clinical Outcomes: Implications for the COVID-19 era. Heart Lung and Circulation, 2021, , .	0.4	0
13	Nutritional and metabolic regulation of the metabolite dimethylguanidino valeric acid: an early marker of cardiometabolic disease. American Journal of Physiology - Endocrinology and Metabolism, 2020, 319, E509-E518.	3.5	8
14	Core functional nodes and sex-specific pathways in human ischaemic and dilated cardiomyopathy. Nature Communications, 2020, 11, 2843.	12.8	39
15	Multi-omics Analysis of the Intermittent Fasting Response in Mice Identifies an Unexpected Role for HNF4Î±. Cell Reports, 2020, 30, 3566-3582.e4.	6.4	28
16	Utilizing <i>stateâ€ofâ€theâ€art</i> â€œomicsâ€•technology and bioinformatics to identify new biological mechanisms and biomarkers for coronary artery disease. Microcirculation, 2019, 26, e12488.	1.8	49
17	Of Older Mice and Men: Branched-Chain Amino Acids and Body Composition. Nutrients, 2019, 11, 1882.	4.1	17
18	Metabolites downstream of predicted loss-of-function variants inform relationship to disease. Molecular Genetics and Metabolism, 2019, 128, 476-482.	1.1	0

#	Article	IF	Citations
19	Biobanking for discovery of novel cardiovascular biomarkers using imaging-quantified disease burden: protocol for the longitudinal, prospective, BioHEART-CT cohort study. BMJ Open, 2019, 9, e028649.	1.9	36
20	TRAIL-Expressing Monocyte/Macrophages Are Critical for Reducing Inflammation and Atherosclerosis. IScience, 2019, 12, 41-52.	4.1	33
21	Myocardial substrate changes in advanced ischaemic and advanced dilated human heart failure. European Journal of Heart Failure, 2019, 21, 1042-1045.	7.1	6
22	Impact of the Food Additive Titanium Dioxide (E171) on Gut Microbiota-Host Interaction. Frontiers in Nutrition, 2019, 6, 57.	3.7	90
23	Improved language production with transcranial direct current stimulation in progressive supranuclear palsy. Neuropsychologia, 2019, 127, 148-157.	1.6	27
24	MiR-93-5p is a novel predictor of coronary in-stent restenosis. Heart Asia, 2019, 11, e011134.	1.1	17
25	Beta-Aminoisobutyric Acid as a Novel Regulator of Carbohydrate and Lipid Metabolism. Nutrients, 2019, 11, 524.	4.1	89
26	Ingestion of resistant starch by mice markedly increases microbiome‐derived metabolites. FASEB Journal, 2019, 33, 8033-8042.	0.5	39
27	Metabolic Signatures of Redox-Dependent Cardiovascular Diseases. , 2019, , 159-171.		0
28	Induced Pluripotent Stem Cell Differentiation Enables Functional Validation of GWAS Variants in Metabolic Disease. Cell Stem Cell, 2017, 20, 547-557.e7.	11.1	129
29	Increasing proportion of ST elevation myocardial infarction patients with coronary atherosclerosis poorly explained by standard modifiable risk factors. European Journal of Preventive Cardiology, 2017, 24, 1824-1830.	1.8	115
30	HELZ2 Is an IFN Effector Mediating Suppression of Dengue Virus. Frontiers in Microbiology, 2017, 8, 240.	3.5	38
31	Metabolite profiling identifies anandamide as a biomarker of nonalcoholic steatohepatitis. JCI Insight, 2017, 2, .	5.0	62
32	Dimethylguanidino valeric acid is a marker of liver fat and predicts diabetes. Journal of Clinical Investigation, 2017, 127, 4394-4402.	8.2	115
33	Integrative Analysis of PRKAG2 Cardiomyopathy iPS and Microtissue Models Identifies AMPK as a Regulator of Metabolism, Survival, and Fibrosis. Cell Reports, 2016, 17, 3292-3304.	6.4	73
34	Aptamer-Based Proteomic Profiling Reveals Novel Candidate Biomarkers and Pathways in Cardiovascular Disease. Circulation, 2016, 134, 270-285.	1.6	172
35	Bone Marrow-Derived Mesenchymal Stem Cells Have Innate Procoagulant Activity and Cause Microvascular Obstruction Following Intracoronary Delivery: Amelioration by Antithrombin Therapy. Stem Cells, 2015, 33, 2726-2737.	3.2	97
36	Generation of vascular endothelial and smooth muscle cells from human pluripotent stem cells. Nature Cell Biology, 2015, 17, 994-1003.	10.3	463

#	ARTICLE	IF	CITATIONS
37	β-Aminoisobutyric Acid Induces Browning of White Fat and Hepatic β-Oxidation and Is Inversely Correlated with Cardiometabolic Risk Factors. Cell Metabolism, 2014, 19, 96-108.	16.2	489
38	Increases in Myocardial Workload Induced by Rapid Atrial Pacing Trigger Alterations in Global Metabolism. PLoS ONE, 2014, 9, e99058.	2.5	7
39	MicroRNA Expression in Coronary Artery Disease. MicroRNA (Shariqah, United Arab Emirates), 2014, 2, 205-211.	1.2	12
40	2-Aminoadipic acid is a biomarker for diabetes risk. Journal of Clinical Investigation, 2013, 123, 4309-4317.	8.2	397
41	Microribonucleic Acids for Prevention of Plaque Rupture and In-Stent Restenosis. Journal of the American College of Cardiology, 2011, 57, 383-389.	2.8	33
42	New therapeutic potential of microRNA treatment to target vulnerable atherosclerotic lesions and plaque rupture. Current Opinion in Cardiology, 2011, 26, 569-575.	1.8	12
43	Potent Long-Term Cardioprotective Effects of Single Low-Dose Insulin-Like Growth Factor-1 Treatment Postmyocardial Infarction. Circulation: Cardiovascular Interventions, 2011, 4, 327-335.	3.9	38
44	Passive monitors for the determination of personal nitrous oxide exposure levels. Anaesthesia, 1982, 37, 467-468.	3.8	5