

John F O'sullivan

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

3,144
citations

236925

25
h-index

265206

42
g-index

46
all docs

46
docs citations

46
times ranked

6277
citing authors

#	ARTICLE	IF	CITATIONS
1	Î²-Aminoisobutyric Acid Induces Browning of White Fat and Hepatic Î²-Oxidation and Is Inversely Correlated with Cardiometabolic Risk Factors. <i>Cell Metabolism</i> , 2014, 19, 96-108.	16.2	489
2	Generation of vascular endothelial and smooth muscle cells from human pluripotent stem cells. <i>Nature Cell Biology</i> , 2015, 17, 994-1003.	10.3	463
3	2-Amino adipic acid is a biomarker for diabetes risk. <i>Journal of Clinical Investigation</i> , 2013, 123, 4309-4317.	8.2	397
4	Gut microbiota impact on the peripheral immune response in non-alcoholic fatty liver disease related hepatocellular carcinoma. <i>Nature Communications</i> , 2021, 12, 187.	12.8	209
5	Aptamer-Based Proteomic Profiling Reveals Novel Candidate Biomarkers and Pathways in Cardiovascular Disease. <i>Circulation</i> , 2016, 134, 270-285.	1.6	172
6	Induced Pluripotent Stem Cell Differentiation Enables Functional Validation of GWAS Variants in Metabolic Disease. <i>Cell Stem Cell</i> , 2017, 20, 547-557.e7.	11.1	129
7	Increasing proportion of ST elevation myocardial infarction patients with coronary atherosclerosis poorly explained by standard modifiable risk factors. <i>European Journal of Preventive Cardiology</i> , 2017, 24, 1824-1830.	1.8	115
8	Dimethylguanidino valeric acid is a marker of liver fat and predicts diabetes. <i>Journal of Clinical Investigation</i> , 2017, 127, 4394-4402.	8.2	115
9	Bone Marrow-Derived Mesenchymal Stem Cells Have Innate Procoagulant Activity and Cause Microvascular Obstruction Following Intracoronary Delivery: Amelioration by Antithrombin Therapy. <i>Stem Cells</i> , 2015, 33, 2726-2737.	3.2	97
10	Impact of the Food Additive Titanium Dioxide (E171) on Gut Microbiota-Host Interaction. <i>Frontiers in Nutrition</i> , 2019, 6, 57.	3.7	90
11	Beta-Aminoisobutyric Acid as a Novel Regulator of Carbohydrate and Lipid Metabolism. <i>Nutrients</i> , 2019, 11, 524.	4.1	89
12	Integrative Analysis of PRKAG2 Cardiomyopathy iPS and Microtissue Models Identifies AMPK as a Regulator of Metabolism, Survival, and Fibrosis. <i>Cell Reports</i> , 2016, 17, 3292-3304.	6.4	73
13	Metabolite profiling identifies anandamide as a biomarker of nonalcoholic steatohepatitis. <i>JCI Insight</i> , 2017, 2, .	5.0	62
14	Plasma levels of trimethylamine-N-oxide can be increased with "healthy" and "unhealthy" diets and do not correlate with the extent of atherosclerosis but with plaque instability. <i>Cardiovascular Research</i> , 2021, 117, 435-449.	3.8	58
15	Utilizing <i>state-of-the-art</i> "omics" technology and bioinformatics to identify new biological mechanisms and biomarkers for coronary artery disease. <i>Microcirculation</i> , 2019, 26, e12488.	1.8	49
16	Impact of dietary carbohydrate type and protein-carbohydrate interaction on metabolic health. <i>Nature Metabolism</i> , 2021, 3, 810-828.	11.9	42
17	Ingestion of resistant starch by mice markedly increases microbiome-derived metabolites. <i>FASEB Journal</i> , 2019, 33, 8033-8042.	0.5	39
18	Core functional nodes and sex-specific pathways in human ischaemic and dilated cardiomyopathy. <i>Nature Communications</i> , 2020, 11, 2843.	12.8	39

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19	Potent Long-Term Cardioprotective Effects of Single Low-Dose Insulin-Like Growth Factor-1 Treatment Postmyocardial Infarction. <i>Circulation: Cardiovascular Interventions</i> , 2011, 4, 327-335.	3.9	38
20	HELZ2 Is an IFN Effector Mediating Suppression of Dengue Virus. <i>Frontiers in Microbiology</i> , 2017, 8, 240.	3.5	38
21	Biobanking for discovery of novel cardiovascular biomarkers using imaging-quantified disease burden: protocol for the longitudinal, prospective, BioHEART-CT cohort study. <i>BMJ Open</i> , 2019, 9, e028649.	1.9	36
22	Microribonucleic Acids for Prevention of Plaque Rupture and In-Stent Restenosis. <i>Journal of the American College of Cardiology</i> , 2011, 57, 383-389.	2.8	33
23	TRAIL-Expressing Monocyte/Macrophages Are Critical for Reducing Inflammation and Atherosclerosis. <i>IScience</i> , 2019, 12, 41-52.	4.1	33
24	Effect of chronic exercise in healthy young male adults: a metabolomic analysis. <i>Cardiovascular Research</i> , 2021, 117, 613-622.	3.8	32
25	Multi-omics Analysis of the Intermittent Fasting Response in Mice Identifies an Unexpected Role for HNF4 β . <i>Cell Reports</i> , 2020, 30, 3566-3582.e4.	6.4	28
26	Improved language production with transcranial direct current stimulation in progressive supranuclear palsy. <i>Neuropsychologia</i> , 2019, 127, 148-157.	1.6	27
27	A hierarchical approach to removal of unwanted variation for large-scale metabolomics data. <i>Nature Communications</i> , 2021, 12, 4992.	12.8	22
28	Of Older Mice and Men: Branched-Chain Amino Acids and Body Composition. <i>Nutrients</i> , 2019, 11, 1882.	4.1	17
29	MiR-93-5p is a novel predictor of coronary in-stent restenosis. <i>Heart Asia</i> , 2019, 11, e011134.	1.1	17
30	Metabolic Signatures in Coronary Artery Disease: Results from the BioHEART-CT Study. <i>Cells</i> , 2021, 10, 980.	4.1	16
31	New therapeutic potential of microRNA treatment to target vulnerable atherosclerotic lesions and plaque rupture. <i>Current Opinion in Cardiology</i> , 2011, 26, 569-575.	1.8	12
32	MicroRNA Expression in Coronary Artery Disease. <i>MicroRNA (Sharjah, United Arab Emirates)</i> , 2014, 2, 205-211.	1.2	12
33	Nutritional and metabolic regulation of the metabolite dimethylguanidino valeric acid: an early marker of cardiometabolic disease. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 319, E509-E518.	3.5	8
34	Increases in Myocardial Workload Induced by Rapid Atrial Pacing Trigger Alterations in Global Metabolism. <i>PLoS ONE</i> , 2014, 9, e99058.	2.5	7
35	Myocardial substrate changes in advanced ischaemic and advanced dilated human heart failure. <i>European Journal of Heart Failure</i> , 2019, 21, 1042-1045.	7.1	6
36	Passive monitors for the determination of personal nitrous oxide exposure levels. <i>Anaesthesia</i> , 1982, 37, 467-468.	3.8	5

#	ARTICLE	IF	CITATIONS
37	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
38	Models of cardiovascular surgery biobanking to facilitate translational research and precision medicine. ESC Heart Failure, 2022, 9, 21-30.	3.1	5
39	Metabolite signatures of heart failure, sleep apnoea, their interaction, and outcomes in the community. ESC Heart Failure, 2021, , .	3.1	4
40	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
41	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
42	Metabolites downstream of predicted loss-of-function variants inform relationship to disease. Molecular Genetics and Metabolism, 2019, 128, 476-482.	1.1	0
43	Metabolic Signatures of Redox-Dependent Cardiovascular Diseases. , 2019, , 159-171.		0
44	Relationship of Myocardial Gadolinium Enhancement to Late Clinical Outcomes: Implications for the COVID-19 era. Heart Lung and Circulation, 2021, , .	0.4	0