

Houman Ashrafian

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

79
papers

4,981
citations

38
h-index

70
g-index

87
ext. papers

5,626
ext. citations

10.2
avg, IF

5.31
L-index

#	Paper	IF	Citations
79	Early childhood epilepsies: epidemiology, classification, aetiology, and socio-economic determinants. <i>Brain</i> , 2021 , 144, 2879-2891	11.2	7
78	Early-onset autoimmunity associated with SOCS1 haploinsufficiency. <i>Nature Communications</i> , 2020 , 11, 5341	17.4	28
77	Elevated risk of invasive group A streptococcal disease and host genetic variation in the human leucocyte antigen locus. <i>Genes and Immunity</i> , 2020 , 21, 63-70	4.4	3
76	Histological Evidence for Impaired Myocardial Perfusion Reserve in Severe Aortic Stenosis. <i>JACC: Cardiovascular Imaging</i> , 2019 , 12, 2276-2278	8.4	1
75	MiR-184 expression is regulated by AMPK in pancreatic islets. <i>FASEB Journal</i> , 2018 , 32, 2587-2600	0.9	28
74	Mutant Muscle LIM Protein C58G causes cardiomyopathy through protein depletion. <i>Journal of Molecular and Cellular Cardiology</i> , 2018 , 121, 287-296	5.8	6
73	The interplay between metabolic alterations, diastolic strain rate and exercise capacity in mild heart failure with preserved ejection fraction: a cardiovascular magnetic resonance study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018 , 20, 88	6.9	33
72	Human Second Window Pre-Conditioning and Post-Conditioning by Nitrite Is Influenced by a Common Polymorphism in Mitochondrial Aldehyde Dehydrogenase. <i>JACC Basic To Translational Science</i> , 2017 , 2, 13-21	8.7	7
71	Mammalian α AMPK regulates intrinsic heart rate. <i>Nature Communications</i> , 2017 , 8, 1258	17.4	24
70	Aggressive restenosis after percutaneous intervention in two coronary loci in a patient with human immunodeficiency virus infection. <i>World Journal of Clinical Cases</i> , 2017 , 5, 40-45	1.6	
69	Mutation of Fnip1 is associated with B-cell deficiency, cardiomyopathy, and elevated AMPK activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E3706-15	11.5	28
68	Benzimidazole derivative small-molecule 991 enhances AMPK activity and glucose uptake induced by AICAR or contraction in skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016 , 311, E706-E719	6	40
67	Chronic Activation of α AMPK Induces Obesity and Reduces β Cell Function. <i>Cell Metabolism</i> , 2016 , 23, 821-36	24.6	66
66	Response to Letter Regarding Article, "The Effect of Selective Heart Rate Slowing in Heart Failure With Preserved Ejection Fraction". <i>Circulation</i> , 2016 , 133, e604	16.7	1
65	Adenosine Receptor Activation in the "Trigger" Limb of Remote Pre-Conditioning Mediates Human Endothelial Conditioning and Release of Circulating Cardioprotective Factor(s). <i>JACC Basic To Translational Science</i> , 2016 , 1, 461-471	8.7	4
64	Severe aortic stenosis has blunted myocardial T1 relaxation response to vasodilator stress: a cardiac magnetic resonance adenosine stress test study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015 , 17,	6.9	78
63	Cardiac steatosis and left ventricular remodeling in heart failure with reduced and preserved ejection fraction. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015 , 17,	6.9	2

62	Resistance of Dynamin-related Protein 1 Oligomers to Disassembly Impairs Mitophagy, Resulting in Myocardial Inflammation and Heart Failure. <i>Journal of Biological Chemistry</i> , 2015 , 290, 25907-19	5.4	37
61	Effect of Selective Heart Rate Slowing in Heart Failure With Preserved Ejection Fraction. <i>Circulation</i> , 2015 , 132, 1719-25	16.7	94
60	No Evidence of Myocardial Oxygen Deprivation in Nonischemic Heart Failure. <i>Circulation: Heart Failure</i> , 2015 , 8, 1088-93	7.6	23
59	Changes in the cardiac metabolome caused by perhexiline treatment in a mouse model of hypertrophic cardiomyopathy. <i>Molecular BioSystems</i> , 2015 , 11, 564-73		32
58	Targets for therapy in sarcomeric cardiomyopathies. <i>Cardiovascular Research</i> , 2015 , 105, 457-70	9.9	97
57	Remote ischemic preconditioning with--but not without--metabolic support protects the neonatal porcine heart against ischemia-reperfusion injury. <i>International Journal of Cardiology</i> , 2014 , 170, 388-93	3.2	10
56	Citric acid cycle intermediates in cardioprotection. <i>Circulation: Cardiovascular Genetics</i> , 2014 , 7, 711-9		26
55	Myocardial perfusion and oxygenation are impaired during stress in severe aortic stenosis and correlate with impaired energetics and subclinical left ventricular dysfunction. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014 , 16, 29	6.9	47
54	Inherited cardiomyopathies. <i>Medicine</i> , 2014 , 42, 584-590	0.6	
53	71 Percutaneous Coronary Intervention (PCI) Risk Scores Predicting Inpatient Mortality and Major Adverse Cardiac Events (MACE) are Poorly Concordant in High Risk Patients. <i>Heart</i> , 2014 , 100, A41.2-A42	5.1	2
52	Adenosine stress native T1 mapping in severe aortic stenosis: evidence for a role of the intravascular compartment on myocardial T1 values. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014 , 16, 92	6.9	77
51	In vivo mouse cardiac hyperpolarized magnetic resonance spectroscopy. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013 , 15, 19	6.9	32
50	A role for cytosolic fumarate hydratase in urea cycle metabolism and renal neoplasia. <i>Cell Reports</i> , 2013 , 3, 1440-8	10.6	65
49	Genetic cardiomyopathies causing heart failure. <i>Circulation Research</i> , 2013 , 113, 660-75	15.7	97
48	Aldehyde dehydrogenase-2 inhibition blocks remote preconditioning in experimental and human models. <i>Basic Research in Cardiology</i> , 2013 , 108, 343	11.8	33
47	Myocardial steatosis and left ventricular contractile dysfunction in patients with severe aortic stenosis. <i>Circulation: Cardiovascular Imaging</i> , 2013 , 6, 808-16	3.9	44
46	Fumarate is cardioprotective via activation of the Nrf2 antioxidant pathway. <i>Cell Metabolism</i> , 2012 , 15, 361-71	24.6	184
45	AMP-activated protein kinase phosphorylates cardiac troponin I and alters contractility of murine ventricular myocytes. <i>Circulation Research</i> , 2012 , 110, 1192-201	15.7	59

44	In vivo alterations in cardiac metabolism and function in the spontaneously hypertensive rat heart. <i>Cardiovascular Research</i> , 2012 , 95, 69-76	9.9	63
43	Inherited cardiomyopathies. <i>New England Journal of Medicine</i> , 2011 , 364, 1643-56	59.2	367
42	In silico studies on the sensitivity of myocardial PCr/ATP to changes in mitochondrial enzyme activity and oxygen concentration. <i>Molecular BioSystems</i> , 2011 , 7, 3335-42		5
41	Disease pathways and novel therapeutic targets in hypertrophic cardiomyopathy. <i>Circulation Research</i> , 2011 , 109, 86-96	15.7	124
40	Glucose-insulin-potassium reduces the incidence of low cardiac output episodes after aortic valve replacement for aortic stenosis in patients with left ventricular hypertrophy: results from the Hypertrophy, Insulin, Glucose, and Electrolytes (HINGE) trial. <i>Circulation</i> , 2011 , 123, 170-7	16.7	52
39	Metabolic modulation in heart failure: high time for a definitive clinical trial. <i>Heart</i> , 2011 , 97, 267-8	5.1	6
38	The role of vascular myoglobin in nitrite-mediated blood vessel relaxation. <i>Cardiovascular Research</i> , 2011 , 89, 560-5	9.9	52
37	Reduced negative surface charge on arterial endothelium explains accelerated atherosclerosis in type 2 diabetic patients. <i>Diabetes and Vascular Disease Research</i> , 2010 , 7, 213-5	3.3	9
36	Metabolic modulator perhexiline corrects energy deficiency and improves exercise capacity in symptomatic hypertrophic cardiomyopathy. <i>Circulation</i> , 2010 , 122, 1562-9	16.7	215
35	Dysregulation of hypoxia pathways in fumarate hydratase-deficient cells is independent of defective mitochondrial metabolism. <i>Human Molecular Genetics</i> , 2010 , 19, 3844-51	5.6	84
34	A mutation in the mitochondrial fission gene Dnm1l leads to cardiomyopathy. <i>PLoS Genetics</i> , 2010 , 6, e1001000	6	102
33	Expression profiling in progressive stages of fumarate-hydratase deficiency: the contribution of metabolic changes to tumorigenesis. <i>Cancer Research</i> , 2010 , 70, 9153-65	10.1	54
32	Inherited cardiac disease. <i>Medicine</i> , 2010 , 38, 496-501	0.6	1
31	Metabolomic profiling of cardiac substrate utilization: fanning the flames of systems biology?. <i>Circulation</i> , 2009 , 119, 1700-2	16.7	7
30	Mechanistic insights into nitrite-induced cardioprotection using an integrated metabolomic/proteomic approach. <i>Circulation Research</i> , 2009 , 104, 796-804	15.7	51
29	Heart failure with preserved ejection fraction is characterized by dynamic impairment of active relaxation and contraction of the left ventricle on exercise and associated with myocardial energy deficiency. <i>Journal of the American College of Cardiology</i> , 2009 , 54, 402-9	15.1	207
28	Impaired energetics in heart failure - a new therapeutic target 2008 , 119, 264-74		10
27	Hypoxic modulation of exogenous nitrite-induced vasodilation in humans. <i>Circulation</i> , 2008 , 117, 670-7	16.7	176

26	Tissue processing of nitrite in hypoxia: an intricate interplay of nitric oxide-generating and -scavenging systems. <i>Journal of Biological Chemistry</i> , 2008 , 283, 33927-34	5.4	177
25	The pathophysiology of heart failure: a tale of two old paradigms revisited. <i>Clinical Medicine</i> , 2008 , 8, 192-7	1.9	7
24	Exercise-induced ventricular dysfunction in hypertrophic cardiomyopathy: stunning by any other name?. <i>Heart</i> , 2008 , 94, 1251-3	5.1	3
23	Carotid ultrasound imaging: an effective technique for detecting early atherosclerosis-vascular screening for cardiovascular disease has come of age. <i>Journal of the American Society of Echocardiography</i> , 2007 , 20, 1-3	5.8	13
22	Reviews of translational medicine and genomics in cardiovascular disease: new disease taxonomy and therapeutic implications cardiomyopathies: therapeutics based on molecular phenotype. <i>Journal of the American College of Cardiology</i> , 2007 , 49, 1251-64	15.1	79
21	Perhexiline. <i>Cardiovascular Drug Reviews</i> , 2007 , 25, 76-97		126
20	Remote ischaemic postconditioning protects the heart during acute myocardial infarction in pigs. <i>Heart</i> , 2007 , 93, 749-52	5.1	147
19	Regression of dilated-hypokinetic hypertrophic cardiomyopathy by biventricular cardiac pacing. <i>Europace</i> , 2007 , 9, 50-4	3.9	21
18	Metabolic mechanisms in heart failure. <i>Circulation</i> , 2007 , 116, 434-48	16.7	382
17	Increased left atrial volume index is an independent predictor of raised serum natriuretic peptide in patients with suspected heart failure but normal left ventricular ejection fraction: Implication for diagnosis of diastolic heart failure. <i>European Journal of Heart Failure</i> , 2006 , 8, 38-45	12.3	81
16	Cancer's sweet tooth: the Janus effect of glucose metabolism in tumorigenesis. <i>Lancet, The</i> , 2006 , 367, 618-21	40	65
15	Assessing myocardial perfusion after myocardial infarction. <i>PLoS Medicine</i> , 2006 , 3, e131	11.6	3
14	Beta-blocker therapy of cardiovascular diseases in patients with bronchial asthma or COPD: the pro viewpoint. <i>Primary Care Respiratory Journal: Journal of the General Practice Airways Group</i> , 2005 , 14, 236-41		16
13	Metabolic perturbations in the pathogenesis of hypertrophic cardiomyopathy. <i>Drug Discovery Today Disease Mechanisms</i> , 2005 , 2, 129-134		18
12	Metabolic modulation with perhexiline in chronic heart failure: a randomized, controlled trial of short-term use of a novel treatment. <i>Circulation</i> , 2005 , 112, 3280-8	16.7	267
11	Natriuretic peptides, respiratory disease, and the right heart. <i>Chest</i> , 2004 , 126, 1330-6	5.3	119
10	Renal magnesium loss causing hypomagnesaemia and autonomous hyperparathyroidism. <i>Nephrology Dialysis Transplantation</i> , 2004 , 19, 977-80	4.3	2
9	The natriuretic peptides and their role in disorders of right heart dysfunction and pulmonary hypertension. <i>Clinical Biochemistry</i> , 2004 , 37, 847-56	3.5	62

8	Severe hypercalcaemia from secretion of parathyroid hormone-related peptide. <i>Lancet Oncology, The</i> , 2004 , 5, 633-5	21.7	8
7	Hepcidin: the missing link between hemochromatosis and infections. <i>Infection and Immunity</i> , 2003 , 71, 6693-700	3.7	59
6	Hypertrophic cardiomyopathy: a paradigm for myocardial energy depletion. <i>Trends in Genetics</i> , 2003 , 19, 263-8	8.5	234
5	Cardiac Energetics in Congestive Heart Failure. <i>Circulation</i> , 2002 , 105,	16.7	13
4	Once you start, you can't stop. <i>Lancet, The</i> , 2002 , 359, 226	4.0	2
3	Is amiodarone an underrecognized cause of acute respiratory failure in the ICU?. <i>Chest</i> , 2001 , 120, 275-83.	3.3	89
2	Expression of human papillomavirus type 16 L1 protein in Escherichia coli: denaturation, renaturation, and self-assembly of virus-like particles in vitro. <i>Virology</i> , 1998 , 243, 423-31	3.6	55
1	Elevated risk of invasive group A streptococcal disease and host genetic variation in the human leukocyte antigen locus		1