

Houman Ashrafian

List of Publications by Year in descending order

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84
papers

6,019
citations

81434

41
h-index

81351

76
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87
all docs

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docs citations

87
times ranked

10272
citing authors

#	ARTICLE	IF	CITATIONS
1	Fine-Scale Genetic Structure in the United Arab Emirates Reflects Endogamous and Consanguineous Culture, Population History, and Geography. <i>Molecular Biology and Evolution</i> , 2022, 39, .	3.5	3
2	Early childhood epilepsies: epidemiology, classification, aetiology, and socio-economic determinants. <i>Brain</i> , 2021, 144, 2879-2891.	3.7	64
3	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.	2.2	5
4	Early-onset autoimmunity associated with SOCS1 haploinsufficiency. <i>Nature Communications</i> , 2020, 11, 5341.	5.8	74
5	Histological Evidence for Impaired Myocardial Perfusion Reserve in Severe Aortic Stenosis. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 2276-2278.	2.3	4
6	Mirâ€184 expression is regulated by AMPK in pancreatic islets. <i>FASEB Journal</i> , 2018, 32, 2587-2600.	0.2	39
7	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.	1.6	51
8	Mutant Muscle LIM Protein C58G causes cardiomyopathy through protein depletion. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 121, 287-296.	0.9	19
9	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.	1.9	7
10	Mammalian β 2 AMPK regulates intrinsic heart rate. <i>Nature Communications</i> , 2017, 8, 1258.	5.8	43
11	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.	0.3	0
12	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.	1.8	53
13	Chronic Activation of β 2 AMPK Induces Obesity and Reduces β 2 Cell Function. <i>Cell Metabolism</i> , 2016, 23, 821-836.	7.2	87
14	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.	1.6	1
15	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.	1.9	5
16	Mutation of <i>Fnrl1</i> 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.	3.3	39
17	Targets for therapy in sarcomeric cardiomyopathies. <i>Cardiovascular Research</i> , 2015, 105, 457-470.	1.8	122
18	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, O28.	1.6	0

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19	Cardiac steatosis and left ventricular remodeling in heart failure with reduced and preserved ejection fraction. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, P309.	1.6	3
20	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, 25907-25919.	1.6	50
21	Effect of Selective Heart Rate Slowing in Heart Failure With Preserved Ejection Fraction. <i>Circulation</i> , 2015, 132, 1719-1725.	1.6	119
22	No Evidence of Myocardial Oxygen Deprivation in Nonischemic Heart Failure. <i>Circulation: Heart Failure</i> , 2015, 8, 1088-1093.	1.6	31
23	Changes in the cardiac metabolome caused by perhexiline treatment in a mouse model of hypertrophic cardiomyopathy. <i>Molecular BioSystems</i> , 2015, 11, 564-573.	2.9	34
24	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.	1.6	94
25	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, 388-393.	0.8	10
26	Citric Acid Cycle Intermediates in Cardioprotection. <i>Circulation: Cardiovascular Genetics</i> , 2014, 7, 711-719.	5.1	37
27	Potentiating mitochondrial aldehyde dehydrogenase 2 to treat post-infarction heart failure. <i>Cardiovascular Research</i> , 2014, 103, 429-431.	1.8	6
28	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.	1.6	65
29	Inherited cardiomyopathies. <i>Medicine</i> , 2014, 42, 584-590.	0.2	0
30	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.	1.2	3
31	In vivo mouse cardiac hyperpolarized magnetic resonance spectroscopy. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013, 15, 19.	1.6	34
32	A Role for Cytosolic Fumarate Hydratase in Urea Cycle Metabolism and Renal Neoplasia. <i>Cell Reports</i> , 2013, 3, 1440-1448.	2.9	78
33	Genetic Cardiomyopathies Causing Heart Failure. <i>Circulation Research</i> , 2013, 113, 660-675.	2.0	131
34	Aldehyde dehydrogenase-2 inhibition blocks remote preconditioning in experimental and human models. <i>Basic Research in Cardiology</i> , 2013, 108, 343.	2.5	36
35	Myocardial Steatosis and Left Ventricular Contractile Dysfunction in Patients With Severe Aortic Stenosis. <i>Circulation: Cardiovascular Imaging</i> , 2013, 6, 808-816.	1.3	58
36	AMP-Activated Protein Kinase Phosphorylates Cardiac Troponin I and Alters Contractility of Murine Ventricular Myocytes. <i>Circulation Research</i> , 2012, 110, 1192-1201.	2.0	70

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37	In vivo alterations in cardiac metabolism and function in the spontaneously hypertensive rat heart. <i>Cardiovascular Research</i> , 2012, 95, 69-76.	1.8	77
38	Fumarate Is Cardioprotective via Activation of the Nrf2 Antioxidant Pathway. <i>Cell Metabolism</i> , 2012, 15, 361-371.	7.2	231
39	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.	2.9	6
40	Inherited Cardiomyopathies. <i>New England Journal of Medicine</i> , 2011, 364, 1643-1656.	13.9	430
41	Disease Pathways and Novel Therapeutic Targets in Hypertrophic Cardiomyopathy. <i>Circulation Research</i> , 2011, 109, 86-96.	2.0	153
42	Response to Letter Regarding Article, "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, 124, .	1.6	0
43	Glucose-Insulin-Potassium Reduces the Incidence of Low Cardiac Output Episodes After Aortic Valve Replacement for Aortic Stenosis in Patients With Left Ventricular Hypertrophy. <i>Circulation</i> , 2011, 123, 170-177.	1.6	70
44	Metabolic modulation in heart failure: high time for a definitive clinical trial. <i>Heart</i> , 2011, 97, 267-268.	1.2	7
45	The role of vascular myoglobin in nitrite-mediated blood vessel relaxation. <i>Cardiovascular Research</i> , 2011, 89, 560-565.	1.8	56
46	Inherited cardiac disease. <i>Medicine</i> , 2010, 38, 496-501.	0.2	2
47	Reduced negative surface charge on arterial endothelium explains accelerated atherosclerosis in type 2 diabetic patients. <i>Diabetes and Vascular Disease Research</i> , 2010, 7, 213-215.	0.9	10
48	Metabolic Modulator Perhexiline Corrects Energy Deficiency and Improves Exercise Capacity in Symptomatic Hypertrophic Cardiomyopathy. <i>Circulation</i> , 2010, 122, 1562-1569.	1.6	267
49	Dysregulation of hypoxia pathways in fumarate hydratase-deficient cells is independent of defective mitochondrial metabolism. <i>Human Molecular Genetics</i> , 2010, 19, 3844-3851.	1.4	91
50	A Mutation in the Mitochondrial Fission Gene Dnm1l Leads to Cardiomyopathy. <i>PLoS Genetics</i> , 2010, 6, e1001000.	1.5	119
51	Expression Profiling in Progressive Stages of Fumarate-Hydratase Deficiency: The Contribution of Metabolic Changes to Tumorigenesis. <i>Cancer Research</i> , 2010, 70, 9153-9165.	0.4	63
52	Metabolomic Profiling of Cardiac Substrate Utilization. <i>Circulation</i> , 2009, 119, 1700-1702.	1.6	8
53	Mechanistic Insights Into Nitrite-Induced Cardioprotection Using an Integrated Metabolomic/Proteomic Approach. <i>Circulation Research</i> , 2009, 104, 796-804.	2.0	54
54	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, 402-409.	1.2	266

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55	Impaired energetics in heart failure – A new therapeutic target. , 2008, 119, 264-274.		11
56	Hypoxic Modulation of Exogenous Nitrite-Induced Vasodilation in Humans. <i>Circulation</i> , 2008, 117, 670-677.	1.6	192
57	Tissue Processing of Nitrite in Hypoxia. <i>Journal of Biological Chemistry</i> , 2008, 283, 33927-33934.	1.6	193
58	The pathophysiology of heart failure: a tale of two old paradigms revisited. <i>Clinical Medicine</i> , 2008, 8, 192-197.	0.8	7
59	Remote ischaemic postconditioning protects the heart during acute myocardial infarction in pigs. <i>Heart</i> , 2007, 93, 749-752.	1.2	170
60	Regression of dilated-hypokinetic hypertrophic cardiomyopathy by biventricular cardiac pacing. <i>Europace</i> , 2007, 9, 50-54.	0.7	26
61	Exercise-induced ventricular dysfunction in hypertrophic cardiomyopathy: stunning by any other name?. <i>Heart</i> , 2007, 94, 1251-1253.	1.2	3
62	Metabolic Mechanisms in Heart Failure. <i>Circulation</i> , 2007, 116, 434-448.	1.6	449
63	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.	1.2	13
64	Reviews of Translational Medicine and Genomics in Cardiovascular Disease: New Disease Taxonomy and Therapeutic Implications. <i>Journal of the American College of Cardiology</i> , 2007, 49, 1251-1264.	1.2	95
65	Perhexiline. <i>Cardiovascular Drug Reviews</i> , 2007, 25, 76-97.	4.4	152
66	Metabolic Modulation in Heart Failure: The Coming of Age. <i>Cardiovascular Drugs and Therapy</i> , 2007, 21, 5-7.	1.3	19
67	Cancer's sweet tooth: the Janus effect of glucose metabolism in tumorigenesis. <i>Lancet</i> , The, 2006, 367, 618-621.	6.3	74
68	Assessing Myocardial Perfusion after Myocardial Infarction. <i>PLoS Medicine</i> , 2006, 3, e131.	3.9	4
69	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.	2.9	103
70	Metabolic Modulation With Perhexiline in Chronic Heart Failure. <i>Circulation</i> , 2005, 112, 3280-3288.	1.6	322
71	Screening for isolated diastolic dysfunction ? a bridge too far?. <i>European Journal of Echocardiography</i> , 2005, 6, 79-82.	2.3	0
72	Detecting acute coronary syndrome in the emergency department: the answer is in seeing the heart: why look further?The opinions expressed in this article are not necessarily those of the Editors of the <i>European Heart Journal</i> or of the <i>European Society of Cardiology</i> .. <i>European Heart Journal</i> , 2005, 26, 1573-1575.	1.0	7

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73	Beta-blocker therapy of cardiovascular diseases in patients with bronchial asthma or COPD: The pro viewpoint. Primary Care Respiratory Journal: Journal of the General Practice Airways Group, 2005, 14, 236-241.	2.5	22
74	Metabolic perturbations in the pathogenesis of hypertrophic cardiomyopathy. Drug Discovery Today Disease Mechanisms, 2005, 2, 129-134.	0.8	19
75	Natriuretic Peptides, Respiratory Disease, and the Right Heart. Chest, 2004, 126, 1330-1336.	0.4	136
76	Renal magnesium loss causing hypomagnesaemia and autonomous hyperparathyroidism. Nephrology Dialysis Transplantation, 2004, 19, 977-980.	0.4	3
77	The natriuretic peptides and their role in disorders of right heart dysfunction and pulmonary hypertension. Clinical Biochemistry, 2004, 37, 847-856.	0.8	70
78	Severe hypercalcaemia from secretion of parathyroid hormone-related peptide. Lancet Oncology, The, 2004, 5, 633-635.	5.1	10
79	Hypertrophic cardiomyopathy:a paradigm for myocardial energy depletion. Trends in Genetics, 2003, 19, 263-268.	2.9	281
80	Hepcidin: the Missing Link between Hemochromatosis andInfections. Infection and Immunity, 2003, 71, 6693-6700.	1.0	65
81	Once you start, you can't stop. Lancet, The, 2002, 359, 226.	6.3	3
82	Cardiac Energetics in Congestive Heart Failure. Circulation, 2002, 105, .	1.6	17
83	Is Amiodarone an Underrecognized Cause of Acute Respiratory Failure in the ICU?. Chest, 2001, 120, 275-282.	0.4	105
84	Expression of Human Papillomavirus Type 16 L1 Protein inEscherichia coli:Denaturation, Renaturation, and Self-Assembly of Virus-like Particlesin Vitro. Virology, 1998, 243, 423-431.	1.1	58