

Nazha Hamdani

List of Publications by Year in descending order

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Version: 2024-02-01

102
papers

6,415
citations

76326

40
h-index

69250

77
g-index

104
all docs

104
docs citations

104
times ranked

7337
citing authors

#	ARTICLE	IF	CITATIONS
1	Methylation of the Hippo effector YAP by the methyltransferase SETD7 drives myocardial ischaemic injury: a translational study. <i>Cardiovascular Research</i> , 2023, 118, 3374-3385.	3.8	10
2	Nicotinic acid derivative BGP15 improves diastolic function in a rabbit model of atherosclerotic cardiomyopathy. <i>British Journal of Pharmacology</i> , 2022, 179, 2240-2258.	5.4	3
3	Do they come together? Protein quality control, stress-activated signaling, and sarcostatin in hypertrophic cardiomyopathy progression. <i>International Journal of Cardiology</i> , 2022, 347, 44-45.	1.7	1
4	Animal models and animal-free innovations for cardiovascular research: current status and routes to be explored. Consensus document of the ESC Working Group on Myocardial Function and the ESC Working Group on Cellular Biology of the Heart. <i>Cardiovascular Research</i> , 2022, 118, 3016-3051.	3.8	30
5	Effects of Atrial Fibrillation on the Human Ventricle. <i>Circulation Research</i> , 2022, 130, 994-1010.	4.5	32
6	Cardiac mechanisms of the beneficial effects of SGLT2 inhibitors in heart failure: Evidence for potential off-target effects. <i>Journal of Molecular and Cellular Cardiology</i> , 2022, 167, 17-31.	1.9	52
7	Functional Characterization of Cardiac Actin Mutants Causing Hypertrophic (p.A295S) and Dilated Cardiomyopathy (p.R312H and p.E361G). <i>International Journal of Molecular Sciences</i> , 2022, 23, 4465.	4.1	3
8	Ca ²⁺ /calmodulin-dependent protein kinase II and protein kinase G oxidation contributes to impaired sarcomeric proteins in hypertrophy model. <i>ESC Heart Failure</i> , 2022, 9, 2585-2600.	3.1	5
9	SARS-CoV-2 infects human cardiomyocytes promoted by inflammation and oxidative stress. <i>International Journal of Cardiology</i> , 2022, 362, 196-205.	1.7	9
10	Towards standardization of echocardiography for the evaluation of left ventricular function in adult rodents: a position paper of the ESC Working Group on Myocardial Function. <i>Cardiovascular Research</i> , 2021, 117, 43-59.	3.8	72
11	Empagliflozin improves endothelial and cardiomyocyte function in human heart failure with preserved ejection fraction via reduced pro-inflammatory-oxidative pathways and protein kinase G oxidation. <i>Cardiovascular Research</i> , 2021, 117, 495-507.	3.8	167
12	MALDI-MS as a Tool to Determine the Myocardial Response to Syndecan-2-Selected Mesenchymal Stromal Cell Application in an Experimental Model of Diabetic Cardiomyopathy. <i>Proteomics - Clinical Applications</i> , 2021, 15, e2000050.	1.6	8
13	Linagliptin prevents left ventricular stiffening by reducing titin cleavage and hypophosphorylation. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 729-741.	3.6	6
14	Cardiac transcriptomic remodeling in metabolic syndrome. , 2021, , 187-211.		0
15	A mechanistic rationale for the investigation of sodium-glucose cotransporter 2 inhibitors in heart failure with preserved ejection fraction. Letter regarding the article "Baseline characteristics of patients with heart failure with preserved ejection fraction in the EMPEROR-Preserved trial". <i>European Journal of Heart Failure</i> , 2021, 23, 841-841.	7.1	4
16	Impact of Syndecan-2-Selected Mesenchymal Stromal Cells on the Early Onset of Diabetic Cardiomyopathy in Diabetic db/db Mice. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 632728.	2.4	4
17	Leveraging clinical epigenetics in heart failure with preserved ejection fraction: a call for individualized therapies. <i>European Heart Journal</i> , 2021, 42, 1940-1958.	2.2	34
18	Interventricular Differences of Signaling Pathways-Mediated Regulation of Cardiomyocyte Function in Response to High Oxidative Stress in the Post-Ischemic Failing Rat Heart. <i>Antioxidants</i> , 2021, 10, 964.	5.1	5

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19	The Interplay between S-Glutathionylation and Phosphorylation of Cardiac Troponin I and Myosin Binding Protein C in End-Stage Human Failing Hearts. <i>Antioxidants</i> , 2021, 10, 1134.	5.1	16
20	Integration of Cardiac Actin Mutants Causing Hypertrophic (p.A295S) and Dilated Cardiomyopathy (p.R312H and p.E361G) into Cellular Structures. <i>Antioxidants</i> , 2021, 10, 1082.	5.1	5
21	Stress activated signalling impaired protein quality control pathways in human hypertrophic cardiomyopathy. <i>International Journal of Cardiology</i> , 2021, 344, 160-169.	1.7	15
22	De Novo Missense Mutations in TNNC1 and TNNI3 Causing Severe Infantile Cardiomyopathy Affect Myofilament Structure and Function and Are Modulated by Troponin Targeting Agents. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9625.	4.1	8
23	SGLT2 Inhibitors and Their Mode of Action in Heart Failure—Has the Mystery Been Unravelled?. <i>Current Heart Failure Reports</i> , 2021, 18, 315-328.	3.3	43
24	Reciprocal organ interactions during heart failure: a position paper from the ESC Working Group on Myocardial Function. <i>Cardiovascular Research</i> , 2021, 117, 2416-2433.	3.8	27
25	Cardiomyocyte Dysfunction in Inherited Cardiomyopathies. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11154.	4.1	3
26	Potential Mechanisms of SGLT2 Inhibitors for the Treatment of Heart Failure With Preserved Ejection Fraction. <i>Frontiers in Physiology</i> , 2021, 12, 752370.	2.8	12
27	Abstract 10973: Tenascin-C Deficiency Rescues the Effect of Diabetes on Cardiac and Vascular Dysfunction in Mice. <i>Circulation</i> , 2021, 144, .	1.6	0
28	Abstract 10477: Targeting the Methyltransferase Setd7 Prevents Myocardial Ischemic Injury: A Translational Study. <i>Circulation</i> , 2021, 144, .	1.6	0
29	Stratified Treatment of Heart Failure with preserved Ejection Fraction: rationale and design of the STADIA—HFpEF trial. <i>ESC Heart Failure</i> , 2020, 7, 4478-4487.	3.1	15
30	Long-term effects of empagliflozin on excitation-contraction-coupling in human induced pluripotent stem cell cardiomyocytes. <i>Journal of Molecular Medicine</i> , 2020, 98, 1689-1700.	3.9	10
31	The molecular mechanisms associated with the physiological responses to inflammation and oxidative stress in cardiovascular diseases. <i>Biophysical Reviews</i> , 2020, 12, 947-968.	3.2	47
32	Cardiac dysfunction in cancer patients: beyond direct cardiomyocyte damage of anticancer drugs: novel cardio-oncology insights from the joint 2019 meeting of the ESC Working Groups of Myocardial Function and Cellular Biology of the Heart. <i>Cardiovascular Research</i> , 2020, 116, 1820-1834.	3.8	51
33	Regulation of titin-based cardiac stiffness by unfolded domain oxidation (UnDOx). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 24545-24556.	7.1	37
34	Prophylactic, single-drug cardioprotection in a comparative, experimental study of doxorubicin-induced cardiomyopathy. <i>Journal of Translational Medicine</i> , 2020, 18, 470.	4.4	6
35	CaMKII activity contributes to homeometric autoregulation of the heart: A novel mechanism for the Anrep effect. <i>Journal of Physiology</i> , 2020, 598, 3129-3153.	2.9	23
36	Enhanced Cardiomyocyte Function in Hypertensive Rats With Diastolic Dysfunction and Human Heart Failure Patients After Acute Treatment With Soluble Guanylyl Cyclase (sGC) Activator. <i>Frontiers in Physiology</i> , 2020, 11, 345.	2.8	29

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37	Non-coding RNAs: update on mechanisms and therapeutic targets from the ESC Working Groups of Myocardial Function and Cellular Biology of the Heart. <i>Cardiovascular Research</i> , 2020, 116, 1805-1819.	3.8	39
38	Regression of left ventricular hypertrophy with SGLT2 inhibitors. <i>European Heart Journal</i> , 2020, 41, 3433-3436.	2.2	11
39	Aging-regulated anti-apoptotic long non-coding RNA Sarrah augments recovery from acute myocardial infarction. <i>Nature Communications</i> , 2020, 11, 2039.	12.8	63
40	Modulation of Titin-Based Stiffness in Hypertrophic Cardiomyopathy via Protein Kinase D. <i>Frontiers in Physiology</i> , 2020, 11, 240.	2.8	31
41	C-type natriuretic peptide moderates titin-based cardiomyocyte stiffness. <i>JCI Insight</i> , 2020, 5, .	5.0	25
42	Diastolic dysfunction is initiated by cardiomyocyte impairment ahead of endothelial dysfunction due to increased oxidative stress and inflammation in an experimental prediabetes model. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 137, 119-131.	1.9	27
43	Mode-of-action of the PROPELLA concept in fulminant myocarditis. <i>European Heart Journal</i> , 2019, 40, 2164-2169.	2.2	49
44	The continuous heart failure spectrum: moving beyond an ejection fraction classification. <i>European Heart Journal</i> , 2019, 40, 2155-2163.	2.2	195
45	Characterization of biventricular alterations in myocardial (reverse) remodelling in aortic banding-induced chronic pressure overload. <i>Scientific Reports</i> , 2019, 9, 2956.	3.3	11
46	Early myocardial changes induced by doxorubicin in the nonfailing dilated ventricle. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 316, H459-H475.	3.2	19
47	Cardiac contractility modulation: mechanisms of action in heart failure with reduced ejection fraction and beyond. <i>European Journal of Heart Failure</i> , 2019, 21, 14-22.	7.1	71
48	Treatments targeting inotropy. <i>European Heart Journal</i> , 2019, 40, 3626-3644.	2.2	123
49	The PDE9A inhibitor PF04447943 improves coronary arteriole vasodilation and left ventricular diastolic dysfunction in HFpEF. <i>FASEB Journal</i> , 2019, 33, 693.10.	0.5	0
50	Stretch-induced compliance: a novel adaptive biological mechanism following acute cardiac load. <i>Cardiovascular Research</i> , 2018, 114, 656-667.	3.8	18
51	The innate immune system in chronic cardiomyopathy: a European Society of Cardiology (ESC) scientific statement from the Working Group on Myocardial Function of the ESC. <i>European Journal of Heart Failure</i> , 2018, 20, 445-459.	7.1	118
52	Protein phosphatase 5 regulates titin phosphorylation and function at a sarcomere-associated mechanosensor complex in cardiomyocytes. <i>Nature Communications</i> , 2018, 9, 262.	12.8	44
53	Molecular and pathophysiological links between heart failure with preserved ejection fraction and type 2 diabetes mellitus. <i>European Journal of Heart Failure</i> , 2018, 20, 1649-1652.	7.1	11
54	Empagliflozin directly improves diastolic function in human heart failure. <i>European Journal of Heart Failure</i> , 2018, 20, 1690-1700.	7.1	165

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55	Complex roads from genotype to phenotype in dilated cardiomyopathy: scientific update from the Working Group of Myocardial Function of the European Society of Cardiology. <i>Cardiovascular Research</i> , 2018, 114, 1287-1303.	3.8	91
56	Diabetes-Induced Cardiomyocyte Passive Stiffening Is Caused by Impaired Insulin-Dependent Titin Modification and Can Be Modulated by Neuregulin-1. <i>Circulation Research</i> , 2018, 123, 342-355.	4.5	64
57	Acute stimulation of the soluble guanylate cyclase does not impact on left ventricular capacitance in normal and hypertrophied porcine hearts in vivo. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H669-H680.	3.2	6
58	Metabolic changes in hypertrophic cardiomyopathies: scientific update from the Working Group of Myocardial Function of the European Society of Cardiology. <i>Cardiovascular Research</i> , 2018, 114, 1273-1280.	3.8	64
59	Î±-B Crystallin Reverses High Diastolic Stiffness of Failing Human Cardiomyocytes. <i>Circulation: Heart Failure</i> , 2017, 10, e003626.	3.9	20
60	Increased passive stiffness promotes diastolic dysfunction despite improved Ca ²⁺ handling during left ventricular concentric hypertrophy. <i>Cardiovascular Research</i> , 2017, 113, 1161-1172.	3.8	54
61	Tampering with springs: phosphorylation of titin affecting the mechanical function of cardiomyocytes. <i>Biophysical Reviews</i> , 2017, 9, 225-237.	3.2	65
62	Impact of cGMP-PKG Pathway Modulation on Titin Phosphorylation and Titin-Based Myocardial Passive Stiffness. <i>Biophysical Journal</i> , 2017, 112, 257a.	0.5	0
63	Placenta-Derived Adherent Stromal Cells Improve Diabetes Mellitus-Associated Left Ventricular Diastolic Performance. <i>Stem Cells Translational Medicine</i> , 2017, 6, 2135-2145.	3.3	28
64	CX3CR1 knockout aggravates Coxsackievirus B3-induced myocarditis. <i>PLoS ONE</i> , 2017, 12, e0182643.	2.5	28
65	Sphingosine-1-Phosphate Receptor 1 Regulates Cardiac Function by Modulating Ca ²⁺ Sensitivity and Na ⁺ /H ⁺ Exchange and Mediates Protection by Ischemic Preconditioning. <i>Journal of the American Heart Association</i> , 2016, 5, .	3.7	51
66	Impact of cGMP-PKG Pathway Modulation on Titin Phosphorylation and Titin-Based Myocardial Passive Stiffness. <i>Biophysical Journal</i> , 2016, 110, 526a.	0.5	1
67	A Novel Role for PP5 in Regulating Titin Phosphorylation and Function in the Heart. <i>Biophysical Journal</i> , 2016, 110, 298a.	0.5	0
68	Cardiac contractility modulation signals improve exercise intolerance and maladaptive regulation of cardiac key proteins for systolic and diastolic function in HFpEF. <i>International Journal of Cardiology</i> , 2016, 203, 1061-1066.	1.7	42
69	From comorbidities to heart failure with preserved ejection fraction: a story of oxidative stress. <i>Heart</i> , 2016, 102, 320-330.	2.9	29
70	Myocardial Microvascular Inflammatory Endothelial Activation in Heart Failure With Preserved Ejection Fraction. <i>JACC: Heart Failure</i> , 2016, 4, 312-324.	4.1	390
71	Oxidative Stress Regulates Titin Elasticity by Affecting Ig-Domain Stability. <i>Biophysical Journal</i> , 2015, 108, 444a.	0.5	0
72	Intercellular communication lessons in heart failure. <i>European Journal of Heart Failure</i> , 2015, 17, 1091-1103.	7.1	47

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73	A porcine model of hypertensive cardiomyopathy: implications for heart failure with preserved ejection fraction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H1407-H1418.	3.2	70
74	A change of heart: oxidative stress in governing muscle function?. <i>Biophysical Reviews</i> , 2015, 7, 321-341.	3.2	28
75	Phosphodiesterase 9A controls nitric-oxide-independent cGMP and hypertrophic heart disease. <i>Nature</i> , 2015, 519, 472-476.	27.8	274
76	Abstract 210: Titin Phosphorylation by Protein Kinase G as a Novel Mechanism of Diastolic Adaptation to Acute Hemodynamic Overload. <i>Circulation Research</i> , 2015, 117, .	4.5	0
77	S-Glutathionylation of Cryptic Cysteines Enhances Titin Elasticity by Blocking Protein Folding. <i>Cell</i> , 2014, 156, 1235-1246.	28.9	170
78	Human myocytes are protected from titin aggregation-induced stiffening by small heat shock proteins. <i>Journal of Cell Biology</i> , 2014, 204, 187-202.	5.2	98
79	Interleukin-6 receptor inhibition modulates the immune reaction and restores titin phosphorylation in experimental myocarditis. <i>Basic Research in Cardiology</i> , 2014, 109, 449.	5.9	55
80	Left ventricular diastolic dysfunction and myocardial stiffness in diabetic mice is attenuated by inhibition of dipeptidyl peptidase 4. <i>Cardiovascular Research</i> , 2014, 104, 423-431.	3.8	70
81	Myocardial Titin: An Important Modifier of Cardiac Stiffness. <i>Biophysical Journal</i> , 2014, 106, 346a.	0.5	0
82	Small Heat Shock Proteins Prevent Titin Aggregation-Induced Stiffening in Human Myocytes. <i>Biophysical Journal</i> , 2014, 106, 160a.	0.5	0
83	Gigantic Business. <i>Circulation Research</i> , 2014, 114, 1052-1068.	4.5	288
84	Large-Scale Modulation of Titin Elasticity by S-Glutathionylation of Cryptic Cysteines. <i>Biophysical Journal</i> , 2014, 106, 454a.	0.5	0
85	Human myocytes are protected from titin aggregation-induced stiffening by small heat shock proteins. <i>Journal of General Physiology</i> , 2014, 143, 1432OIA1.	1.9	0
86	Increased nitrosative/oxidative stress lowers myocardial protein kinase G activity in heart failure with preserved ejection fraction. <i>BMC Pharmacology & Toxicology</i> , 2013, 14, .	2.4	2
87	Deranged myofilament phosphorylation and function in experimental heart failure with preserved ejection fraction. <i>Cardiovascular Research</i> , 2013, 97, 464-471.	3.8	191
88	Myocardial Titin Hypophosphorylation Importantly Contributes to Heart Failure With Preserved Ejection Fraction in a Rat Metabolic Risk Model. <i>Circulation: Heart Failure</i> , 2013, 6, 1239-1249.	3.9	241
89	Crucial Role for Ca ²⁺ /Calmodulin-Dependent Protein Kinase-II in Regulating Diastolic Stress of Normal and Failing Hearts via Titin Phosphorylation. <i>Circulation Research</i> , 2013, 112, 664-674.	4.5	160
90	Low Myocardial Protein Kinase G Activity in Heart Failure With Preserved Ejection Fraction. <i>Circulation</i> , 2012, 126, 830-839.	1.6	418

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91	Alteration of the beta-adrenergic signaling pathway in human heart failure. <i>Current Pharmaceutical Biotechnology</i> , 2012, 13, 2522-31.	1.6	5
92	Treatment of Heart Failure With Normal Ejection Fraction. <i>Current Treatment Options in Cardiovascular Medicine</i> , 2011, 13, 26-34.	0.9	8
93	Sildenafil and B-Type Natriuretic Peptide Acutely Phosphorylate Titin and Improve Diastolic Distensibility In Vivo. <i>Circulation</i> , 2011, 124, 2882-2891.	1.6	162
94	Distinct myocardial effects of beta-blocker therapy in heart failure with normal and reduced left ventricular ejection fraction. <i>European Heart Journal</i> , 2009, 30, 1863-1872.	2.2	50
95	Hypophosphorylation of the Stiff N2B Titin Isoform Raises Cardiomyocyte Resting Tension in Failing Human Myocardium. <i>Circulation Research</i> , 2009, 104, 780-786.	4.5	318
96	Absence of Thrombospondin-2 Causes Age-Related Dilated Cardiomyopathy. <i>Circulation</i> , 2009, 120, 1585-1597.	1.6	92
97	Lack of specificity of antibodies directed against human beta-adrenergic receptors. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2009, 379, 403-407.	3.0	69
98	Myofilament dysfunction in cardiac disease from mice to men. <i>Journal of Muscle Research and Cell Motility</i> , 2008, 29, 189-201.	2.0	67
99	Diastolic Stiffness of the Failing Diabetic Heart. <i>Circulation</i> , 2008, 117, 43-51.	1.6	621
100	Response to Letter Regarding Article, "Diastolic Stiffness of the Failing Diabetic Heart: Importance of Fibrosis, Advanced Glycation End Products, and Myocyte Resting Tension". <i>Circulation</i> , 2008, 117, .	1.6	2
101	Sarcomeric dysfunction in heart failure. <i>Cardiovascular Research</i> , 2007, 77, 649-658.	3.8	150
102	Current Understanding of Molecular Pathophysiology of Heart Failure With Preserved Ejection Fraction. <i>Frontiers in Physiology</i> , 0, 13, .	2.8	13