Fouad A Zouein

List of Publications by Year in Descending Order

69 papers	1,222 citations	20 h-index	32 g-index
78 ext. papers	1,595 ext. citations	4.8 avg, IF	4.74 L-index

#	Paper	IF	Citations
69	Early cardiac-chamber-specific fingerprints in heart failure with preserved ejection fraction detected by FTIR and Raman spectroscopic techniques.. *Scientific Reports*, **2022**, 12, 3440	4.9	1
68	Urinary Biomarkers of Oxidative Stress in Aging: Implications for Prediction of Accelerated Biological Age in Prospective Cohort Studies.. *Oxidative Medicine and Cellular Longevity*, **2022**, 2022, 6110226	6.7	
67	Distorted assessment of left atrial size by echocardiography in patients with increased aortic root diameter. *Egyptian Heart Journal*, **2021**, 73, 55	1.3	
66	Science unites a troubled world: Lessons from the pandemic. *European Journal of Pharmacology*, **2021**, 890, 173696	5.3	1
65	Nicotinamide adenine dinucleotide: Biosynthesis, consumption and therapeutic role in cardiac diseases. *Acta Physiologica*, **2021**, 231, e13551	5.6	8
64	Beat-to-beat blood pressure variability: an early predictor of disease and cardiovascular risk. *Journal of Hypertension*, **2021**, 39, 830-845	1.9	2
63	Etiology-Dependent Impairment of Diastolic Cardiomyocyte Calcium Homeostasis in Heart Failure With Preserved Ejection Fraction. *Journal of the American College of Cardiology*, **2021**, 77, 405-419	15.1	21
62	The Angiotensin II Type 1(AT1) Receptor and Cardiac Hypertrophy: Did We Have It Wrong All Along?. *Journal of Cardiovascular Pharmacology*, **2021**, 77, 531-535	3.1	
61	Unravelling the impact of intrauterine growth restriction on heart development: insights into mitochondria and sexual dimorphism from a non-hominoid primate. *Clinical Science*, **2021**, 135, 1767-1772	6.5	2
60	Insights into the modulation of the interferon response and NAD in the context of COVID-19. *International Reviews of Immunology*, **2021**, 1-11	4.6	2
59	Transforming iodoquinol into broad spectrum anti-tumor leads: Repurposing to modulate redox homeostasis. *Bioorganic Chemistry*, **2021**, 113, 105035	5.1	1
58	Macrophage responses associated with COVID-19: A pharmacological perspective. *European Journal of Pharmacology*, **2020**, 887, 173547	5.3	16
57	Impact of the Renin-Angiotensin System on the Endothelium in Vascular Dementia: Unresolved Issues and Future Perspectives. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	7
56	Cardioprotective Effects of the Novel Compound Vastiras in a Preclinical Model of End-Organ Damage. *Hypertension*, **2020**, 75, 1195-1204	8.5	6
55	Gender-biased kidney damage in mice following exposure to tobacco cigarette smoke: More protection in premenopausal females. *Physiological Reports*, **2020**, 8, e14339	2.6	1
54	Worsening Cardiac Autonomic Neuropathy on Progression to Type 2 Diabetes: Localized vs. Systemic Inflammation. *FASEB Journal*, **2020**, 34, 1-1	0.9	
53	Sex-based differences in myocardial infarction-induced kidney damage following cigarette smoking exposure: more renal protection in premenopausal female mice. *Bioscience Reports*, **2020**, 40,	4.1	2

52	Targeting mitochondria to protect the heart: a matter of balance?. *Clinical Science*, **2020**, 134, 885-888	6.5	4
51	IL-33 induces type-2-cytokine phenotype but exacerbates cardiac remodeling post-myocardial infarction with eosinophil recruitment, worsened systolic dysfunction, and ventricular wall rupture. *Clinical Science*, **2020**, 134, 1191-1218	6.5	5
50	Spatiotemporal Dynamics of Immune Cells in Early Left Ventricular Remodeling After Acute Myocardial Infarction in Mice. *Journal of Cardiovascular Pharmacology*, **2020**, 75, 112-122	3.1	0
49	Advances in Cardiovascular Biomarker Discovery. *Biomedicines*, **2020**, 8,	4.8	11
48	Worsening baroreflex sensitivity on progression to type 2 diabetes: localized vs. systemic inflammation and role of antidiabetic therapy. *American Journal of Physiology - Endocrinology and Metabolism*, **2020**, 319, E835-E851	6	7
47	Tobacco cigarette smoking exacerbates aortic calcification in an early stage of myocardial infarction in a female mouse model. *Journal of Cellular Physiology*, **2020**, 235, 1568-1575	7	1
46	STAT3 and Endothelial Cell-Cardiomyocyte Dialog in Cardiac Remodeling. *Frontiers in Cardiovascular Medicine*, **2019**, 6, 50	5.4	8
45	An Update on the Tissue Renin Angiotensin System and Its Role in Physiology and Pathology. *Journal of Cardiovascular Development and Disease*, **2019**, 6,	4.2	109
44	MicroRNAs as Potential Pharmaco-targets in Ischemia-Reperfusion Injury Compounded by Diabetes. *Cells*, **2019**, 8,	7.9	26
43	Oxidative Stress in Cardiac Remodeling Post-Ischemia/Reperfusion: Friend or Foe? **2019**, 253-287		1
42	Progressive Hemodynamic and Cardiac Autonomic Impairment as a Function of Metabolic State: Local Adipose vs. Systemic Inflammation. *FASEB Journal*, **2019**, 33, 514.10	0.9	
41	Direct cardiovascular impact of SGLT2 inhibitors: mechanisms and effects. *Heart Failure Reviews*, **2018**, 23, 419-437	5	53
40	The march of pluripotent stem cells in cardiovascular regenerative medicine. *Stem Cell Research and Therapy*, **2018**, 9, 201	8.3	19
39	Cerebral blood flow alteration following acute myocardial infarction in mice. *Bioscience Reports*, **2018**, 38,	4.1	14
38	Analysis of Differential Gene Expression in Three Common Rat Models of Diastolic Dysfunction. *Frontiers in Cardiovascular Medicine*, **2018**, 5, 11	5.4	4
37	Inositol 1,4,5-Trisphosphate Receptors in Hypertension. *Frontiers in Physiology*, **2018**, 9, 1018	4.6	18
36	Influence of Cigarette Smoking on Myocardial Infarction Induced Renal Damage. *FASEB Journal*, **2018**, 32, 679.7	0.9	
35	IL-33 (Interleukin 33)/sST2 Axis in Hypertension and Heart Failure. *Hypertension*, **2018**, 72, 818-828	8.5	24

34	Conflicting vascular and metabolic impact of the IL-33/sST2 axis. *Cardiovascular Research*, **2018**, 114, 1578-1594	9.9	53
33	Cardiac Autonomic Neuropathy as a Result of Mild Hypercaloric Challenge in Absence of Signs of Diabetes: Modulation by Antidiabetic Drugs. *Oxidative Medicine and Cellular Longevity*, **2018**, 2018, 9389784	6.7	17
32	Acute Exposure to Cigarette Smoking Followed by Myocardial Infarction Aggravates Renal Damage in an Mouse Model. *Oxidative Medicine and Cellular Longevity*, **2017**, 2017, 5135241	6.7	7
31	Functional, Cellular, and Molecular Remodeling of the Heart under Influence of Oxidative Cigarette Tobacco Smoke. *Oxidative Medicine and Cellular Longevity*, **2017**, 2017, 3759186	6.7	26
30	Inhibits Inflammation-Induced Atherogenic Phenotype of Human Aortic Smooth Muscle Cells. *Oxidative Medicine and Cellular Longevity*, **2017**, 2017, 4134093	6.7	14
29	Emerging importance of chemokine receptor CXCR3 and its ligands in cardiovascular diseases. *Clinical Science*, **2016**, 130, 463-78	6.5	42
28	Update on the Protective Role of Regulatory T Cells in Myocardial Infarction: A Promising Therapy to Repair the Heart. *Journal of Cardiovascular Pharmacology*, **2016**, 68, 401-413	3.1	8
27	Temporal cardiac remodeling post-myocardial infarction: dynamics and prognostic implications in personalized medicine. *Heart Failure Reviews*, **2016**, 21, 25-47	5	14
26	The CXCL10/CXCR3 Axis and Cardiac Inflammation: Implications for Immunotherapy to Treat Infectious and Noninfectious Diseases of the Heart. *Journal of Immunology Research*, **2016**, 2016, 4396368	4.5	33
25	Cardiac STAT3 Deficiency Impairs Contractility and Metabolic Homeostasis in Hypertension. *Frontiers in Pharmacology*, **2016**, 7, 436	5.6	11
24	Osteopontin is proteolytically processed by matrix metalloproteinase 9. *Canadian Journal of Physiology and Pharmacology*, **2015**, 93, 879-86	2.4	32
23	Deriving a cardiac ageing signature to reveal MMP-9-dependent inflammatory signalling in senescence. *Cardiovascular Research*, **2015**, 106, 421-31	9.9	61
22	Early matrix metalloproteinase-12 inhibition worsens post-myocardial infarction cardiac dysfunction by delaying inflammation resolution. *International Journal of Cardiology*, **2015**, 185, 198-208	3.2	66
21	Matrix Metalloproteinase 9 (MMP-9) **2015**, 237-259		1
20	A Novel Collagen Matricryptin Reduces Left Ventricular Dilation Post-Myocardial Infarction by Promoting Scar Formation and Angiogenesis. *Journal of the American College of Cardiology*, **2015**, 66, 1364-74	15.1	101
19	Pivotal Importance of STAT3 in Protecting the Heart from Acute and Chronic Stress: New Advancement and Unresolved Issues. *Frontiers in Cardiovascular Medicine*, **2015**, 2, 36	5.4	45
18	Applying fractal dimension and image analysis to quantify fibrotic collagen deposition and organization in the normal and hypertensive heart. *Microscopy and Microanalysis*, **2014**, 20, 1134-44	0.5	13
17	Loss of STAT3 in mouse embryonic fibroblasts reveals its Janus-like actions on mitochondrial function and cell viability. *Cytokine*, **2014**, 66, 7-16	4	13

16	Dancing rhinos in stilettos: The amazing saga of the genomic and nongenomic actions of STAT3 in the heart. *Jak-stat*, **2013**, 2, e24352		20
15	Heart failure with preserved ejection fraction: emerging drug strategies. *Journal of Cardiovascular Pharmacology*, **2013**, 62, 13-21	3.1	39
14	Role of STAT3 in angiotensin II-induced hypertension and cardiac remodeling revealed by mice lacking STAT3 serine 727 phosphorylation. *Hypertension Research*, **2013**, 36, 496-503	4.7	30
13	Elucidating functional context within microarray data by integrated transcription factor-focused gene-interaction and regulatory network analysis. *European Cytokine Network*, **2013**, 24, 75-90	3.3	9
12	LIF and the heart: just another brick in the wall?. *European Cytokine Network*, **2013**, 24, 11-9	3.3	28
11	AAV-mediated gene therapy for heart failure: enhancing contractility and calcium handling. *F1000prime Reports*, **2013**, 5, 27		6
10	Post-infarct biomaterials, left ventricular remodeling, and heart failure: is good good enough?. *Congestive Heart Failure*, **2012**, 18, 284-90		6
9	Selenate enhances STAT3 transcriptional activity in endothelial cells: differential actions of selenate and selenite on LIF cytokine signaling and cell viability. *Journal of Inorganic Biochemistry*, **2012**, 109, 9-15	4.2	4
8	Calyculin A reveals serine/threonine phosphatase protein phosphatase 1 as a regulatory nodal point in canonical signal transducer and activator of transcription 3 signaling of human microvascular endothelial cells. *Journal of Interferon and Cytokine Research*, **2012**, 32, 87-94	3.5	12
7	Acyloxy nitroso compounds inhibit LIF signaling in endothelial cells and cardiac myocytes: evidence that STAT3 signaling is redox-sensitive. *PLoS ONE*, **2012**, 7, e43313	3.7	31
6	Chronic treatment of mice with leukemia inhibitory factor does not cause adverse cardiac remodeling but improves heart function. *European Cytokine Network*, **2012**, 23, 191-7	3.3	12
5	Differential STAT3 signaling in the heart: Impact of concurrent signals and oxidative stress. *Jak-stat* , **2012**, 1, 101-10		21
4	JAKs go nuclear: emerging role of nuclear JAK1 and JAK2 in gene expression and cell growth. *Growth Factors*, **2011**, 29, 245-52	1.6	41
3	Transient Receptor Potential Type C Channels Play a Critical Role in Angiogenesis. *FASEB Journal*, **2011**, 25, 1091.12	0.9	
2	Hydrogels as a platform for stem cell delivery to the heart. *Congestive Heart Failure*, **2010**, 16, 132-5		19
1	Associations of lifestyle and dietary habits with hyperlipidemia in Lebanon. *Vessel Plus*,	2.3	5