Saami K Yazdani

List of Publications by Citations

43 papers	2,879 citations	21 h-index	53 g-index
53 ext. papers	3,218 ext. citations	3.9 avg, IF	4.62 L-index

#	Paper	IF	Citations
43	The pathology of neoatherosclerosis in human coronary implants bare-metal and drug-eluting stents. *Journal of the American College of Cardiology*, **2011**, 57, 1314-22	15.1	701
42	The in vivo stability of electrospun polycaprolactone-collagen scaffolds in vascular reconstruction. *Biomaterials*, **2009**, 30, 583-8	15.6	295
41	The importance of the endothelium in atherothrombosis and coronary stenting. *Nature Reviews Cardiology*, **2012**, 9, 439-53	14.8	258
40	Hemoglobin directs macrophage differentiation and prevents foam cell formation in human atherosclerotic plaques. *Journal of the American College of Cardiology*, **2012**, 59, 166-77	15.1	221
39	Microvascular obstruction: underlying pathophysiology and clinical diagnosis. *Journal of the American College of Cardiology*, **2010**, 55, 1649-60	15.1	191
38	Pathological findings at bifurcation lesions: the impact of flow distribution on atherosclerosis and arterial healing after stent implantation. *Journal of the American College of Cardiology*, **2010**, 55, 1679-87	15.1	188
37	Engineering of blood vessels from acellular collagen matrices coated with human endothelial cells. *Tissue Engineering*, **2006**, 12, 2355-65		140
36	Ex vivo assessment of vascular response to coronary stents by optical frequency domain imaging. *JACC: Cardiovascular Imaging*, **2012**, 5, 71-82	8.4	93
35	Acute Thrombogenicity of a Durable Polymer Everolimus-Eluting Stent Relative to Contemporary Drug-Eluting Stents With Biodegradable Polymer Coatings Assessed Ex Vivo in a Swine Shunt Model. *JACC: Cardiovascular Interventions*, **2015**, 8, 1248-1260	5	78
34	Capture of circulatory endothelial progenitor cells and accelerated re-endothelialization of a bio-engineered stent in human ex vivo shunt and rabbit denudation model. *European Heart Journal*, **2012**, 33, 120-8	9.5	76
33	Vascular smooth muscle enhances functionality of tissue-engineered blood vessels in vivo. *Journal of Vascular Surgery*, **2011**, 53, 426-34	3.5	73
32	Bioengineered vascular access maintains structural integrity in response to arteriovenous flow and repeated needle puncture. *Journal of Vascular Surgery*, **2012**, 56, 783-93	3.5	65
31	Vascular, downstream, and pharmacokinetic responses to treatment with a low dose drug-coated balloon in a swine femoral artery model. *Catheterization and Cardiovascular Interventions*, **2014**, 83, 132-40	2.7	63
30	The fate of an endothelium layer after preconditioning. *Journal of Vascular Surgery*, **2010**, 51, 174-83	3.5	43
29	Pathology of drug-eluting versus bare-metal stents in saphenous vein bypass graft lesions. *JACC: Cardiovascular Interventions*, **2012**, 5, 666-74	5	41
28	Smooth muscle cell seeding of decellularized scaffolds: the importance of bioreactor preconditioning to development of a more native architecture for tissue-engineered blood vessels. *Tissue Engineering - Part A*, **2009**, 15, 827-40	3.9	41
27	Metformin impairs vascular endothelial recovery after stent placement in the setting of locally eluted mammalian target of rapamycin inhibitors via S6 kinase-dependent inhibition of cell proliferation. *Journal of the American College of Cardiology*, **2013**, 61, 971-80	15.1	29

26	Pathobiology of stent thrombosis after drug-eluting stent implantation. *Current Pharmaceutical Design*, **2010**, 16, 4064-71	3.3	29
25	Preclinical evaluation of second-generation everolimus- and zotarolimus-eluting coronary stents. *Journal of Invasive Cardiology*, **2013**, 25, 383-90	0.7	25
24	Development of an in vitro system to assess stent-induced smooth muscle cell proliferation: a feasibility study. *Journal of Vascular and Interventional Radiology*, **2009**, 20, 101-6	2.4	22
23	The intravascular ultrasound elasticity-palpography technique revisited: a reliable tool for the in vivo detection of vulnerable coronary atherosclerotic plaques. *Ultrasound in Medicine and Biology*, **2013**, 39, 1469-81	3.5	21
22	DPIV measurements of flow disturbances in stented artery models: adverse affects of compliance mismatch. *Journal of Biomechanical Engineering*, **2004**, 126, 559-66	2.1	20
21	Stent Coating Integrity of Durable and Biodegradable Coated Drug Eluting Stents. *Journal of Interventional Cardiology*, **2016**, 29, 483-490	1.8	20
20	Pathology and vulnerability of atherosclerotic plaque: identification, treatment options, and individual patient differences for prevention of stroke. *Current Treatment Options in Cardiovascular Medicine*, **2010**, 12, 297-314	2.1	17
19	A four-criterion selection procedure for atherosclerotic plaque elasticity reconstruction based on in vivo coronary intravascular ultrasound radial strain sequences. *Ultrasound in Medicine and Biology*, **2012**, 38, 2084-97	3.5	16
18	In vitro and in vivo characterisation of biodegradable polymer-based drug-eluting stent. *EuroIntervention*, **2011**, 7, 835-43	3.1	16
17	Coronary atherosclerosis and dilation in hyper IgE syndrome patients: Depiction by magnetic resonance vessel wall imaging and pathological correlation. *Atherosclerosis*, **2017**, 258, 20-25	3.1	14
16	The use of an occlusion perfusion catheter to deliver paclitaxel to the arterial wall. *Cardiovascular Therapeutics*, **2017**, 35, e12269	3.3	13
15	Coating and Pharmacokinetic Evaluation of Air Spray Coated Drug Coated Balloons. *Cardiovascular Engineering and Technology*, **2018**, 9, 240-250	2.2	13
14	HPLC-MS/MS method for quantification of paclitaxel from keratin containing samples. *Journal of Pharmaceutical and Biomedical Analysis*, **2017**, 139, 247-251	3.5	8
13	and Assessment of Keratose as a Novel Excipient of Paclitaxel Coated Balloons. *Frontiers in Pharmacology*, **2018**, 9, 808	5.6	8
12	Vascular response to coronary artery stenting in mature and juvenile swine. *Cardiovascular Revascularization Medicine*, **2011**, 12, 375-84	1.6	7
11	Pre-Clinical Investigation of Keratose as an Excipient of Drug Coated Balloons. *Molecules*, **2020**, 25,	4.8	6
10	Influence of Collaterals on True FFR Prediction for a Left Main Stenosis with Concomitant Lesions: An In Vitro Study. *Annals of Biomedical Engineering*, **2019**, 47, 1409-1421	4.7	5
9	Delivery of Cell-Specific Aptamers to the Arterial Wall with an Occlusion Perfusion Catheter. *Molecular Therapy - Nucleic Acids*, **2019**, 16, 360-366	10.7	4

8	Pathology of Saphenous Vein Grafts. *Interventional Cardiology Clinics*, **2013**, 2, 241-249	1.4	4
7	Pre-Clinical Investigation of Liquid Paclitaxel for Local Drug Delivery: A Pilot Study. *Pharmaceuticals* , **2020**, 13,	5.2	2
6	Intraluminal Ultrasonic Palpation Imaging Technique Revisited for Anisotropic Characterization of Healthy and Atherosclerotic Coronary Arteries: A Feasibility Study. *Ultrasound in Medicine and Biology*, **2019**, 45, 35-49	3.5	2
5	Do animal models of vein graft atherosclerosis predict outcomes in man?. *Atherosclerosis*, **2012**, 223, 102-5	3.1	1
4	The Development of an Flow System to Assess Acute Arterial Drug Retention of Cardiovascular Intravascular Devices.. *Frontiers in Medical Technology*, **2021**, 3, 675188	1.9	1
3	Precision delivery of liquid therapy into the arterial wall for the treatment of peripheral arterial disease. *Scientific Reports*, **2021**, 11, 18676	4.9	0
2	Modelos animales de reparaci vascular y reendotelizaci. *Revista Espanola De Cardiologia Suplementos*, **2013**, 13, 20-28	0.2	
1	The coated balloon protocol: an emergent clinical technique **2021**, 583-594		