

# Mustafa Zakkar

## List of Publications by Year in descending order

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Version: 2024-02-01

65  
papers

1,571  
citations

361413

20  
h-index

315739

38  
g-index

66  
all docs

66  
docs citations

66  
times ranked

2508  
citing authors

#	ARTICLE	IF	CITATIONS
1	Large animal model of vein grafts intimal hyperplasia: A systematic review. <i>Perfusion (United Kingdom)</i> , 2023, 38, 894-930.	1.0	5
2	Nrf2-Keap-1 imbalance under acute shear stress induces inflammatory response in venous endothelial cells. <i>Perfusion (United Kingdom)</i> , 2022, 37, 582-589.	1.0	7
3	Gene and metabolite expression dependence on body mass index in human myocardium. <i>Scientific Reports</i> , 2022, 12, 1425.	3.3	3
4	Acute shear stress and vein graft disease. <i>International Journal of Biochemistry and Cell Biology</i> , 2022, 144, 106173.	2.8	8
5	Next-Generation and Single-Cell Sequencing Approaches to Study Atherosclerosis and Vascular Inflammation Pathophysiology: A Systematic Review. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 849675.	2.4	5
6	Commentary: Cardioplegia in complex root surgery for adults: Many solutions, but does it really matter?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021, 162, 526-527.	0.8	1
7	Instantaneous wave-free ratio for decision making in cardiac surgery, an important step in the right direction. <i>International Journal of Cardiology</i> , 2021, 326, 71-72.	1.7	1
8	Benefits of mitral valve repair over replacement in the elderly: a systematic review and meta-analysis. <i>Journal of Cardiac Surgery</i> , 2021, 36, 2524-2530.	0.7	11
9	The impact of patient-prosthesis mismatch on early and long-term survival after aortic replacement with the Edwards Perimount valve: A propensity score-matched analysis. <i>Journal of Cardiac Surgery</i> , 2021, 36, 2269-2276.	0.7	1
10	Commentary: Concomitant atrial fibrillation ablation: The forgotten procedure. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021, 161, 1825-1826.	0.8	0
11	Bicuspid aortic valve repair with hemi-remodeling technique and external ring annuloplasty. <i>Journal of Cardiac Surgery</i> , 2020, 35, 146-150.	0.7	6
12	Combination of internal (epicardial) and external (transthoracic) defibrillation during heart surgery. <i>Indian Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 36, 163-165.	0.6	0
13	Aorto-Mitral Patch Enlargement for Elective Substantial Double Valve Upsizing. <i>World Journal for Pediatric &amp; Congenital Heart Surgery</i> , 2020, 11, 101-104.	0.8	2
14	NF- $\kappa$ B inhibition prevents acute shear stress-induced inflammation in the saphenous vein graft endothelium. <i>Scientific Reports</i> , 2020, 10, 15133.	3.3	24
15	Saphenous vein graft disease, pathophysiology, prevention, and treatment. A review of the literature. <i>Journal of Cardiac Surgery</i> , 2020, 35, 1314-1321.	0.7	22
16	Combined Degenerative Mitral Valve and Coronary Surgery: Early Outcomes and 10-Year Survival. <i>Annals of Thoracic Surgery</i> , 2020, 110, 1527-1533.	1.3	3
17	Commentary: Don't get lost in the loop. <i>JTCVS Techniques</i> , 2020, 3, 122-123.	0.4	0
18	Concomitant aortic root and pectus deformity repair in Marfan syndrome patients. <i>Perfusion (United)</i> Tj ETQq0 0 0,rgBT /Overlock 10 TF	1.6	4

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19	Isolated aortic valve repair—how to do it and long-term results: external ring annuloplasty. <i>Annals of Cardiothoracic Surgery</i> , 2019, 8, 418-421.	1.7	4
20	Isolated aortic insufficiency valve repair with external ring annuloplasty: a standardized approach. <i>European Journal of Cardio-thoracic Surgery</i> , 2019, 57, 308-316.	1.4	5
21	Bicuspid aortic valve repair adapted to aortic phenotype. <i>Annals of Cardiothoracic Surgery</i> , 2019, 8, 401-410.	1.7	5
22	Cardiothoracic surgery training in the United Kingdom. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019, 157, 1948-1955.	0.8	16
23	Left thoracotomy approach for off-pump coronary artery bypass grafting surgery: 15 years of experience in 2500 consecutive patients. <i>European Journal of Cardio-thoracic Surgery</i> , 2019, 57, 271-276.	1.4	5
24	Commentary: Aortic valve sparing procedure: Is this the future of aortic root surgery?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019, 158, 1512-1513.	0.8	0
25	Preoperative renal impairment and off-pump coronary artery bypass grafting: The jury is still out. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 156, 974-975.	0.8	4
26	Coronary computed tomography angiography: Star of the show or supporting act?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 155, 1432-1433.	0.8	0
27	Surgery for Young Adults With Aortic Valve Disease not Amenable to Repair. <i>Frontiers in Surgery</i> , 2018, 5, 18.	1.4	6
28	Improving outcomes in acute aortic dissection. <i>British Journal of Hospital Medicine (London, England:)</i> Tj ETQq0 0 0,rgBT /Overlock 10 T	0.5	5
29	Activation and inflammation of the venous endothelium in vein graft disease. <i>Atherosclerosis</i> , 2017, 265, 266-274.	0.8	53
30	Early health outcome and 10-year survival in patients undergoing redo coronary surgery with or without cardiopulmonary bypass: a propensity score-matched analysis. <i>European Journal of Cardio-thoracic Surgery</i> , 2017, 52, 945-951.	1.4	16
31	Effects of acute shear stress on endothelial cells: Implications for vein graft failure504Optical treatment of cardiac arrhythmias505Tachypacing-induced heart failure: a metabolomic investigation506Characterization of early left ventricle dysfunction in a relevant experimental model for human rheumatoid arthritis507Circadian rhythm in heart rate is due to an intrinsic Cardiovascular Research, 2016, 111, 500	3.8	1
32	The effect of obesity on survival in patients undergoing coronary artery bypass graft surgery who receive a radial artery. <i>European Journal of Cardio-thoracic Surgery</i> , 2016, 51, ezw323.	1.4	2
33	Postoperative acute kidney injury defined by RIFLE criteria predicts early health outcome and long-term survival in patients undergoing redo coronary artery bypass graft surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016, 152, 235-242.	0.8	22
34	Response to Weintraub and Garratt. <i>Circulation</i> , 2016, 133, 1826-1826.	1.6	0
35	Should Chronic Total Occlusion Be Treated With Coronary Artery Bypass Grafting?. <i>Circulation</i> , 2016, 133, 1807-1816.	1.6	14
36	What is the optimum method of weaning intra-aortic balloon pumps?: Table 1:. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2016, 23, 310-313.	1.1	0

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37	Regulation of Vascular Endothelium Inflammatory Signalling by Shear Stress. <i>Current Vascular Pharmacology</i> , 2016, 14, 181-186.	1.7	30
38	Modified ultrafiltration in adult patients undergoing cardiac surgery. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2015, 20, 415-421.	1.1	23
39	Is perioperative corticosteroid administration associated with a reduced incidence of postoperative atrial fibrillation in adult cardiac surgery?: Table 1:. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2014, 18, 225-229.	1.1	26
40	Might digital drains speed up the time to thoracic drain removal?: Table 1:. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2014, 19, 135-138.	1.1	10
41	No evidence that manual closure of the bronchial stump has a lower failure rate than mechanical stapler closure following anatomical lung resection. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2014, 18, 488-493.	1.1	22
42	Requirement of JNK1 for endothelial cell injury in atherogenesis. <i>Atherosclerosis</i> , 2014, 235, 613-618.	0.8	24
43	Intravascular plasma cell granuloma of the pulmonary artery. <i>European Journal of Cardio-thoracic Surgery</i> , 2013, 43, 870-870.	1.4	1
44	Is there a role for Gabapentin in preventing or treating pain following thoracic surgery?. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2013, 17, 716-719.	1.1	33
45	Is sublobar resection equivalent to lobectomy for surgical management of peripheral carcinoid?. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2013, 16, 858-863.	1.1	21
46	Is video mediastinoscopy a safer and more effective procedure than conventional mediastinoscopy?. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2012, 14, 81-84.	1.1	33
47	Smooth muscle cells in porcine vein graft intimal hyperplasia are derived from the local vessel wall. <i>Cardiovascular Pathology</i> , 2011, 20, e91-e94.	1.6	12
48	Disturbed Blood Flow Induces RelA Expression via c-Jun N-Terminal Kinase 1. <i>Circulation Research</i> , 2011, 108, 950-959.	4.5	105
49	Dexamethasone Arterializes Venous Endothelial Cells by Inducing Mitogen-Activated Protein Kinase Phosphatase-1. <i>Circulation</i> , 2011, 123, 524-532.	1.6	37
50	A Simple Technique to Control Anastomotic Suture Line Bleeding. <i>Annals of Thoracic Surgery</i> , 2010, 90, 1030-1031.	1.3	1
51	c-Jun N-Terminal Kinase Primes Endothelial Cells at Atheroprone Sites for Apoptosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 546-553.	2.4	61
52	Mitral valve regurgitation and 3D echocardiography. <i>Future Cardiology</i> , 2010, 6, 231-242.	1.2	10
53	Perfusion of veins at arterial pressure increases the expression of KLF5 and cell cycle genes in smooth muscle cells. <i>Biochemical and Biophysical Research Communications</i> , 2010, 391, 818-823.	2.1	5
54	Activation of Nrf2 in Endothelial Cells Protects Arteries From Exhibiting a Proinflammatory State. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 1851-1857.	2.4	216

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55	Induction of the Cytoprotective Enzyme Heme Oxygenase-1 by Statins Is Enhanced in Vascular Endothelium Exposed to Laminar Shear Stress and Impaired by Disturbed Flow. <i>Journal of Biological Chemistry</i> , 2009, 284, 18882-18892.	3.4	96
56	Current Status of Surgery for Degenerative Mitral Valve Disease. <i>Progress in Cardiovascular Diseases</i> , 2009, 51, 454-459.	3.1	6
57	Ischemic Mitral Regurgitation: In Search of the Best Treatment for a Common Condition. <i>Progress in Cardiovascular Diseases</i> , 2009, 51, 460-471.	3.1	17
58	Infective Endocarditis of the Mitral Valve: Optimal Management. <i>Progress in Cardiovascular Diseases</i> , 2009, 51, 472-477.	3.1	4
59	Rheumatic Mitral Valve Disease: Current Surgical Status. <i>Progress in Cardiovascular Diseases</i> , 2009, 51, 478-481.	3.1	32
60	Tricuspid Valve Disease: Pathophysiology and Optimal Management. <i>Progress in Cardiovascular Diseases</i> , 2009, 51, 482-486.	3.1	22
61	The A20 gene protects kidneys from ischaemia/reperfusion injury by suppressing pro-inflammatory activation. <i>Journal of Molecular Medicine</i> , 2008, 86, 1329-1339.	3.9	43
62	NF- $\kappa$ B Suppression by the Deubiquitinating Enzyme Cezanne. <i>Journal of Biological Chemistry</i> , 2008, 283, 7036-7045.	3.4	186
63	Increased Endothelial Mitogen-Activated Protein Kinase Phosphatase-1 Expression Suppresses Proinflammatory Activation at Sites That Are Resistant to Atherosclerosis. <i>Circulation Research</i> , 2008, 103, 726-732.	4.5	102
64	Laminar shear stress acts as a switch to regulate divergent functions of NF- $\kappa$ B in endothelial cells. <i>FASEB Journal</i> , 2007, 21, 3553-3561.	0.5	130
65	Surgery for coronary artery disease. <i>Surgery</i> , 2007, 25, 231-237.	0.3	2