

# Mohammad A Zafar

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

1,426  
citations

394421

19  
h-index

361022

35  
g-index

83  
all docs

83  
docs citations

83  
times ranked

1490  
citing authors

#	ARTICLE	IF	CITATIONS
1	A machine learning approach for predicting complications in descending and thoracoabdominal aortic aneurysms. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2023, 166, 1011-1020.e3.	0.8	8
2	Fate of Preserved Aortic Root Following Acute Type A Aortic Dissection Repair. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2022, 34, 419-427.	0.6	7
3	Lipid profiles help to explain protection from systemic atherosclerosis in patients with ascending aortic aneurysm. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2022, 163, e129-e132.	0.8	8
4	Getting to the root of aortic dissection in congenital heart disease. <i>European Journal of Cardio-thoracic Surgery</i> , 2022, 61, 318-319.	1.4	0
5	Phenotyping Zebrafish Mutant Models to Assess Candidate Genes Associated with Aortic Aneurysm. <i>Genes</i> , 2022, 13, 123.	2.4	7
6	Progress in surgical interventions for aortic root aneurysms and dissections. <i>Expert Review of Cardiovascular Therapy</i> , 2022, 20, 65-79.	1.5	0
7	Engineering analysis of aortic wall stress and root dilatation in the V-shape surgery for treatment of ascending aortic aneurysms. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2022, , .	1.1	3
8	A novel computational growth framework for biological tissues: Application to growth of aortic root aneurysm repaired by the V-shape surgery. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022, 127, 105081.	3.1	9
9	Aortic gene dictionary in the precision medicine era—update from the Aortic Institute at Yale New Haven. <i>Indian Journal of Thoracic and Cardiovascular Surgery</i> , 2022, 38, 14-23.	0.6	0
10	Bovine Aortic Arch: A Result of Chance or Mandate of Inheritance?. <i>American Journal of Cardiology</i> , 2022, , .	1.6	1
11	Toward standard abbreviations and acronyms for use in articles on aortic disease. <i>JTCVS Open</i> , 2022, 10, 34-38.	0.5	1
12	Ultimate tensile strength and biaxial stress-strain responses of aortic tissues—A clinical-engineering correlation. <i>Applications in Engineering Science</i> , 2022, 10, 100101.	0.8	3
13	Aortic Valve Replacement in the Failing Left Ventricle: Worthwhile?. <i>Reviews in Cardiovascular Medicine</i> , 2022, 23, 223.	1.4	1
14	Increased Virulence of Descending Thoracic and Thoracoabdominal Aortic Aneurysms in Women. <i>Annals of Thoracic Surgery</i> , 2021, 112, 45-52.	1.3	10
15	Thoracic aortic aneurysm gene dictionary. <i>Asian Cardiovascular and Thoracic Annals</i> , 2021, 29, 682-696.	0.5	6
16	Direct measurement of ascending aortic diameter by intraoperative caliper assessment. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021, 161, e143-e146.	0.8	5
17	Natural history of descending thoracic and thoracoabdominal aortic aneurysms. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021, 161, 498-511.e1.	0.8	43
18	Interstage mortality in two-stage elephant trunk surgery. <i>Journal of Cardiac Surgery</i> , 2021, 36, 1882-1891.	0.7	5

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19	Aortic Delaminationâ€”A Possible Precursor of Impending Catastrophe. International Journal of Angiology, 2021, 30, 160-164.	0.6	2
20	Is Aortic Z-score an Appropriate Index of Beneficial Drug Effect in Clinical Trials in Aortic Aneurysm Disease?. American Journal of Cardiology, 2021, 143, 145-153.	1.6	1
21	Machine learning: principles and applications for thoracic surgery. European Journal of Cardio-thoracic Surgery, 2021, 60, 213-221.	1.4	20
22	Safety of perioperative cerebrospinal fluid drain as a protective strategy during descending and thoracoabdominal open aortic repair. JTCVS Techniques, 2021, 6, 1-8.	0.4	4
23	Risk reduction and pharmacological strategies to prevent progression of aortic aneurysms. Expert Review of Cardiovascular Therapy, 2021, 19, 619-631.	1.5	2
24	Reply to Condello and Iacona. European Journal of Cardio-thoracic Surgery, 2021, 60, 1242-1242.	1.4	0
25	Accuracy of the â€œThumb-Palm Testâ€”for Detection of Ascending Aortic Aneurysm. American Journal of Cardiology, 2021, 150, 114-116.	1.6	8
26	Root Dilatation Is More Malignant Than Ascending Aortic Dilation. Journal of the American Heart Association, 2021, 10, e020645.	3.7	16
27	Ascending Aneurysms in Heartâ€”Transplantâ€”Patients. JACC: Case Reports, 2021, 3, 1685-1689.	0.6	1
28	Massive Sternal Osteophyte Compressing Aortic Arch Branch Graft. Aorta, 2021, 09, 231-232.	0.5	0
29	Nationwide collaboration produces valuable data regarding arch and descending aorta. European Heart Journal, 2021, , .	2.2	1
30	Subacute/chronic type A aortic dissection: a retrospective cohort study. European Journal of Cardio-thoracic Surgery, 2020, 57, 388-396.	1.4	15
31	Commentary: Should we routinely prescribe Î²-blockers after surgical repair of type A dissection?. Journal of Thoracic and Cardiovascular Surgery, 2020, 159, 1706-1707.	0.8	0
32	Reply: Keen questions appreciated. Journal of Thoracic and Cardiovascular Surgery, 2020, 159, e22-e23.	0.8	0
33	Natural history and management of Kommerell's diverticulum in a single tertiary referral center. Journal of Vascular Surgery, 2020, 71, 2004-2011.	1.1	41
34	Chronologic and Climatic Factors of Acute Aortic Dissection: Study of 1642 Patients in Two Continents. Annals of Thoracic Surgery, 2020, 110, 575-581.	1.3	16
35	Left Atrial to Femoral Artery Full Cardiopulmonary Bypass: A Novel Technique for Descending and Thoracoabdominal Aortic Surgery. International Journal of Angiology, 2020, 29, 019-026.	0.6	3
36	Cine-Computed Tomography for the Evaluation of Prosthetic Heart Valve Function. Cardiology, 2020, 145, 439-445.	1.4	5

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37	Nonusefulness of Antithrombotic Therapy After Surgical Bioprosthetic Aortic Valve Replacement. American Journal of Cardiology, 2020, 129, 71-78.	1.6	1
38	The Genetics of Thoracic Aortic Aneurysms and Dissection: A Clinical Perspective. Biomolecules, 2020, 10, 182.	4.0	73
39	Aortic Arch Aneurysms. , 2020, , 529-544.		1
40	Complex two-stage open surgical repair of an aorto-esophageal fistula after thoracic endovascular aortic repair. Journal of Vascular Surgery Cases and Innovative Techniques, 2019, 5, 261-263.	0.6	7
41	A systematic review and meta-analysis of isolated abdominal aortic dissection. Journal of Vascular Surgery, 2019, 70, 2046-2053.e6.	1.1	18
42	Simple renal cysts and bovine aortic arch: markers for aortic disease. Open Heart, 2019, 6, e000862.	2.3	17
43	Ascending Aortic Length and Risk of Aortic Adverse Events. Journal of the American College of Cardiology, 2019, 74, 1883-1894.	2.8	81
44	Fluoroquinolones and Aortic Diseases: Is There a Connection. Aorta, 2019, 07, 035-041.	0.5	11
45	Commentary: Toward truth in advertising. Journal of Thoracic and Cardiovascular Surgery, 2019, 158, 1055-1057.	0.8	1
46	Nonsyndromic Thoracic Aortic Aneurysms and Dissectionsâ€”Is Screening Possible?. Seminars in Thoracic and Cardiovascular Surgery, 2019, 31, 628-634.	0.6	26
47	Fate of preserved bicuspid valves at time of ascending aortic aneurysmectomy. Journal of Cardiac Surgery, 2019, 34, 318-322.	0.7	2
48	Bicuspid aortic disease: â€œMarfan lightâ€?. Journal of Thoracic and Cardiovascular Surgery, 2019, 157, e240-e242.	0.8	1
49	Predictability of acute aortic dissection: A dream in evolution. Journal of Thoracic and Cardiovascular Surgery, 2019, 157, e324-e326.	0.8	0
50	Symptoms Matter: A Symptomatic but Radiographically Elusive Ascending Aortic Dissection. International Journal of Angiology, 2019, 28, 031-033.	0.6	3
51	Routine anterior spinal artery visualization prior to descending and thoracoabdominal aneurysm repair: High detection success. Journal of Cardiac Surgery, 2019, 34, 1563-1568.	0.7	7
52	Predicting in-hospital rupture of type A aortic dissection using random forest. Journal of Thoracic Disease, 2019, 11, 4634-4646.	1.4	30
53	Genes Associated with Thoracic Aortic Aneurysm and Dissection: 2019 Update and Clinical Implications. Aorta, 2019, 07, 099-107.	0.5	50
54	Decision-making algorithm for ascending aortic aneurysm: Effectiveness in clinical application?. Journal of Thoracic and Cardiovascular Surgery, 2019, 157, 1733-1745.	0.8	39

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55	Descending threshold for ascending aortic aneurysmectomy: Is it time for a "left-shift" in guidelines?. Journal of Thoracic and Cardiovascular Surgery, 2019, 157, 37-42.	0.8	60
56	Commentary: Surprisingly good results from a complex, lengthy aortic arch technique. Journal of Thoracic and Cardiovascular Surgery, 2019, 157, 1379-1380.	0.8	1
57	Thoracic aortic aneurysm: unlocking the "silent killer" secrets. General Thoracic and Cardiovascular Surgery, 2019, 67, 1-11.	0.9	67
58	Prevention of Aortic Dissection Suggests a Diameter Shift to a Lower Aortic Size Threshold for Intervention. Cardiology, 2018, 139, 139-146.	1.4	65
59	Height alone, rather than body surface area, suffices for risk estimation in ascending aortic aneurysm. Journal of Thoracic and Cardiovascular Surgery, 2018, 155, 1938-1950.	0.8	155
60	Histology of Aortic Disease and Progression of Aortic Dissection From Acute to Chronic. , 2018, , 41-59.		0
61	A systematic review on management of nutcracker syndrome. Journal of Vascular Surgery: Venous and Lymphatic Disorders, 2018, 6, 271-278.	1.6	65
62	Intraoperative descending aortic dissection during aortic root replacement: successful management. Journal of Thoracic Disease, 2018, 10, 3065-3069.	1.4	1
63	"Getting beyond diameter" when to replace the aorta?. Journal of Visualized Surgery, 2018, 4, 124-124.	0.2	8
64	Diabetes Mellitus: Is It Protective against Aneurysm? A Narrative Review. Cardiology, 2018, 141, 107-122.	1.4	46
65	Antithrombotic Therapy after Bioprosthetic Aortic Valve Replacement: A Therapeutic Morass. Cardiology, 2018, 140, 213-221.	1.4	2
66	Genes Associated with Thoracic Aortic Aneurysm and Dissection: 2018 Update and Clinical Implications. Aorta, 2018, 06, 013-020.	0.5	106
67	Open Replacement of the Thoracoabdominal Aorta: Short- and Long-term Outcomes at a Single Institution. International Journal of Angiology, 2018, 27, 114-120.	0.6	2
68	Positive family history of aortic dissection dramatically increases dissection risk in family members. International Journal of Cardiology, 2017, 240, 132-137.	1.7	33
69	Elective surgery for ascending aortic aneurysm in the elderly: should there be an age cut-off?. European Journal of Cardio-thoracic Surgery, 2017, 51, 965-970.	1.4	17
70	The Effect of Blood Transfusion on Outcomes in Aortic Surgery. International Journal of Angiology, 2017, 26, 135-142.	0.6	22
71	Precipitous Resolution of Type-A Intramural Hematoma with Medical Management in a Patient with Metastatic Stage 4 Renal Cell Carcinoma. International Journal of Angiology, 2017, 26, 267-270.	0.6	1
72	Two-Stage Elephant Trunk approach for open management of distal aortic arch and descending aortic pathology in patients with Marfan syndrome. Annals of Cardiothoracic Surgery, 2017, 6, 712-720.	1.7	10

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73	Medical management of aortic disease in Marfan syndrome. <i>Annals of Cardiothoracic Surgery</i> , 2017, 6, 654-661.	1.7	15
74	Does BioGlue contribute to anastomotic pseudoaneurysm after thoracic aortic surgery?. <i>Journal of Thoracic Disease</i> , 2017, 9, 2491-2497.	1.4	14
75	Natural history of aortic root aneurysms in Marfan syndrome. <i>Annals of Cardiothoracic Surgery</i> , 2017, 6, 625-632.	1.7	37
76	Advanced Glycation End Products and its Soluble Receptors in the Pathogenesis of Thoracic Aortic Aneurysm. <i>Aorta</i> , 2016, 04, 1-10.	0.5	15
77	Iatrogenic Aortic Dissection: Review of the Literature. <i>Aorta</i> , 2016, 04, 240-243.	0.5	8
78	Early Spontaneous Resolution of an Iatrogenic Acute Type A Aortic Dissection. <i>Aorta</i> , 2016, 04, 235-239.	0.5	2
79	Carotid Intima-Media Thickness Provides Evidence that Ascending Aortic Aneurysm Protects against Systemic Atherosclerosis. <i>Cardiology</i> , 2012, 123, 71-77.	1.4	29
80	Are Thromboembolic and Bleeding Complications a Drawback for Composite Aortic Root Replacement?. <i>Annals of Thoracic Surgery</i> , 2012, 94, 737-743.	1.3	19