

Elaine E Tseng

List of Publications by Year in descending order

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48
papers

768
citations

566801

15
h-index

525886

27
g-index

48
all docs

48
docs citations

48
times ranked

903
citing authors

#	ARTICLE	IF	CITATIONS
1	Association of 3-Year All-Cause Mortality and Peak Wall Stresses of Ascending Thoracic Aortic Aneurysms in Veterans. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2023, 35, 447-456.	0.4	2
2	Association of diameter and wall stresses of tricuspid aortic valve ascending thoracic aortic aneurysms. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2022, 164, 1365-1375.	0.4	11
3	Patient-Specific Biomechanics in Marfan Ascending Thoracic Aortic Aneurysms. <i>Annals of Thoracic Surgery</i> , 2022, 114, 1367-1375.	0.7	10
4	Wall stresses of early remodeled pulmonary autografts. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2022, 164, 1728-1738.e2.	0.4	5
5	Regional wall stress differences on tricuspid aortic valve-associated ascending aortic aneurysms. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2022, 34, 1115-1123.	0.5	1
6	Eptifibatide bridging therapy for staged carotid artery stenting and cardiac surgery: Safety and feasibility. <i>Vascular</i> , 2022, , 170853812210848.	0.4	1
7	Under Pressureâ€”To See or Not To See. <i>Annals of Thoracic Surgery</i> , 2022, , .	0.7	0
8	Wall stress analyses in patients with ≥ 5 Åcm versus < 5 Åcm ascending thoracic aortic aneurysm. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021, 162, 1452-1459.	0.4	27
9	Ascending thoracic aortic aneurysm growth is minimal at sizes that do not meet criteria for surgical repair. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 12, 0-0.	1.1	4
10	Regional biomechanical and failure properties of healthy human ascending aorta and root. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 123, 104705.	1.5	15
11	Development of the Minimalist Approach for Transcatheter Aortic Valve Replacement at a Veterans Affairs Medical Center. <i>Journal of Invasive Cardiology</i> , 2021, 33, E108-E114.	0.4	0
12	Reply from authors: Aortic aneurysm biomechanics: Perfect is the enemy of good. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 160, e105-e106.	0.4	0
13	Wall Stress Distribution in Bicuspid Aortic Valveâ€”Associated Ascending Thoracic Aortic Aneurysms. <i>Annals of Thoracic Surgery</i> , 2020, 110, 807-814.	0.7	19
14	Stent and leaflet stresses across generations of balloon-expandable transcatheter aortic valves. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2020, 30, 879-886.	0.5	10
15	Impact of transcatheter aortic valve size on leaflet stresses: implications for durability and optimal grey zone sizing. <i>AsiaIntervention</i> , 2020, 6, 64-71.	0.1	5
16	Stent and leaflet stresses in 26-mm, third-generation, balloon-expandable transcatheter aortic valve. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019, 157, 528-536.	0.4	19
17	Outcomes of Veterans Undergoing TAVR Within Veterans Affairs Medical Centers. <i>JACC: Cardiovascular Interventions</i> , 2019, 12, 2186-2194.	1.1	8
18	Veterans Affairs Heart Team Experience With Transcatheter Aortic Valve Replacement and Minimally Invasive Surgical Aortic Valve Replacement. <i>Journal of Invasive Cardiology</i> , 2019, 31, 217-222.	0.4	2

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19	Range of Pulmonary Autograft Responses to Systemic Pressure Immediately After Ross Procedure. <i>Journal of Heart Valve Disease</i> , 2019, 28, 22-31.	0.5	0
20	Wall stress on ascending thoracic aortic aneurysms with bicuspid compared with tricuspid aortic valve. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 156, 492-500.	0.4	33
21	Gated thoracic magnetic resonance angiography at 3T: noncontrast versus blood pool contrast. <i>International Journal of Cardiovascular Imaging</i> , 2018, 34, 475-483.	0.7	11
22	Evolution of Veterans Affairs Transcatheter Aortic Valve Replacement Program: The First 100 Patients. <i>Journal of Heart Valve Disease</i> , 2018, 27, 24-31.	0.5	2
23	Impact of Patient-Specific Material Properties on Aneurysm Wall Stress: Finite Element Study. <i>Journal of Heart Valve Disease</i> , 2018, 27, 275-284.	0.5	3
24	Stent and leaflet stresses in a 26-mm first-generation balloon-expandable transcatheter aortic valve. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2017, 153, 1065-1073.	0.4	27
25	Stent and Leaflet Stresses in 29-mm Second-Generation Balloon-Expandable Transcatheter Aortic Valve. <i>Annals of Thoracic Surgery</i> , 2017, 104, 773-781.	0.7	13
26	Ferumoxytol MRA for transcatheter aortic valve replacement planning with renal insufficiency. <i>International Journal of Cardiology</i> , 2017, 231, 255-257.	0.8	14
27	Biomechanics of Failed Pulmonary Autografts Compared to Native Aortic Roots. <i>Annals of Thoracic Surgery</i> , 2017, 103, 1482-1488.	0.7	21
28	Leaflet Mechanical Properties of Carpentier-Edwards Perimount Magna Pericardial Aortic Bioprostheses. <i>Journal of Heart Valve Disease</i> , 2017, 26, 81-89.	0.5	4
29	Vascular Operations Performed by Cardiothoracic Surgeons: The Society of Thoracic Surgeons Survey. <i>Annals of Thoracic Surgery</i> , 2016, 102, 589-592.	0.7	6
30	When valve-in-valve implantation is not sufficient: Bioprosthetic Russian dolls. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016, 152, 624-625.	0.4	5
31	Biomechanics of Failed Pulmonary Autografts Compared With Normal Pulmonary Roots. <i>Annals of Thoracic Surgery</i> , 2016, 102, 1996-2002.	0.7	22
32	Suture Forces for Closure of Transapical Transcatheter Aortic Valve Replacement: A Mathematical Model. <i>Journal of Heart Valve Disease</i> , 2016, 25, 424-429.	0.5	0
33	Development of a Veterans Affairs Hybrid Operating Room for Transcatheter Aortic Valve Replacement in the Cardiac Catheterization Laboratory. <i>JAMA Surgery</i> , 2015, 150, 216.	2.2	8
34	Ascending thoracic aortic aneurysm wall stress analysis using patient-specific finite element modeling of <i>in vivo</i> magnetic resonance imaging. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2015, 21, 471-480.	0.5	45
35	Bicuspid Aortic Valve-Associated Ascending Thoracic Aortic Aneurysm: Patient-Specific Finite Element Analysis. <i>Journal of Heart Valve Disease</i> , 2015, 24, 714-721.	0.5	1
36	Patient-specific finite element analysis of ascending thoracic aortic aneurysm. <i>Journal of Heart Valve Disease</i> , 2014, 23, 765-72.	0.5	11

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37	Human pulmonary autograft wall stress at systemic pressures prior to remodeling after the Ross procedure. <i>Journal of Heart Valve Disease</i> , 2014, 23, 377-84.	0.5	5
38	Invited Commentary. <i>Annals of Thoracic Surgery</i> , 2013, 96, 2154.	0.7	3
39	Biomechanical Properties of Human Ascending Thoracic Aortic Aneurysms. <i>Annals of Thoracic Surgery</i> , 2013, 96, 50-58.	0.7	85
40	Engineering perspective on transcatheter aortic valve implantation. <i>Interventional Cardiology</i> , 2013, 5, 53-70.	0.0	15
41	Biomechanical comparison of human pulmonary and aortic roots. <i>European Journal of Cardio-thoracic Surgery</i> , 2012, 41, 1111-1116.	0.6	44
42	Comparison of Mechanical Properties of Human Ascending Aorta and Aortic Sinuses. <i>Annals of Thoracic Surgery</i> , 2012, 93, 87-94.	0.7	92
43	A Finite Element Study of Human Pulmonary Autograft Wall Stress after the Ross Procedure. , 2012, , .		0
44	Valve-in-Valve Hemodynamics of 20-mm Transcatheter Aortic Valves in Small Bioprostheses. <i>Annals of Thoracic Surgery</i> , 2011, 92, 548-555.	0.7	25
45	Transcatheter aortic valves inadequately relieve stenosis in small degenerated bioprostheses. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2010, 11, 70-77.	0.5	60
46	Valve-in-Valve Implantation Using a Novel Supravalvular Transcatheter Aortic Valve: Proof of Concept. <i>Annals of Thoracic Surgery</i> , 2009, 88, 1864-1869.	0.7	46
47	Aortic valve-in-valve implantation: impact of transcatheter- bioprosthesis size mismatch. <i>Journal of Heart Valve Disease</i> , 2009, 18, 367-73.	0.5	28
48	Invited Commentary. <i>Annals of Thoracic Surgery</i> , 2008, 85, 2108-2109.	0.7	0