# Elaine E Tseng

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5038318/publications.pdf

Version: 2024-02-01

| 48 | 768 | 566801 15 | 525886 27 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 48 | 48 | 48 | 903 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Comparison of Mechanical Properties of Human Ascending Aorta and Aortic Sinuses. Annals of Thoracic Surgery, 2012, 93, 87-94. | 0.7 | 92 |
| 2 | Biomechanical Properties of Human Ascending Thoracic Aortic Aneurysms. Annals of Thoracic Surgery, 2013, 96, 50-58. | 0.7 | 85 |
| 3 | Transcatheter aortic valves inadequately relieve stenosis in small degenerated bioprosthesesâ˜†â˜†â˜†â˜†â˜†â˜†. Interactive Cardiovascular and Thoracic Surgery, 2010, 11, 70-77. | 0.5 | 60 |
| 4 | Valve-in-Valve Implantation Using a Novel Supravalvular Transcatheter Aortic Valve: Proof of Concept. Annals of Thoracic Surgery, 2009, 88, 1864-1869. | 0.7 | 46 |
| 5 | Ascending thoracic aortic aneurysm wall stress analysis using patient-specific finite element modeling ofin vivomagnetic resonance imaging. Interactive Cardiovascular and Thoracic Surgery, 2015, 21, 471-480. | 0.5 | 45 |
| 6 | Biomechanical comparison of human pulmonary and aortic roots. European Journal of Cardio-thoracic Surgery, 2012, 41, 1111-1116. | 0.6 | 44 |
| 7 | Wall stress on ascending thoracic aortic aneurysms with bicuspid compared with tricuspid aortic valve. Journal of Thoracic and Cardiovascular Surgery, 2018, 156, 492-500. | 0.4 | 33 |
| 8 | Aortic valve-in-valve implantation: impact of transcatheter- bioprosthesis size mismatch. Journal of Heart Valve Disease, 2009, 18, 367-73. | 0.5 | 28 |
| 9 | Stent and leaflet stresses in a 26-mm first-generation balloon-expandable transcatheter aortic valve. Journal of Thoracic and Cardiovascular Surgery, 2017, 153, 1065-1073. | 0.4 | 27 |
| 10 | Wall stress analyses in patients with â‰¥5Âcm versus <5Âcm ascending thoracic aortic aneurysm. Journal of Thoracic and Cardiovascular Surgery, 2021, 162, 1452-1459. | 0.4 | 27 |
| 11 | Valve-in-Valve Hemodynamics of 20-mm Transcatheter Aortic Valves in Small Bioprostheses. Annals of Thoracic Surgery, 2011, 92, 548-555. | 0.7 | 25 |
| 12 | Biomechanics of Failed Pulmonary Autografts Compared With Normal Pulmonary Roots. Annals of Thoracic Surgery, 2016, 102, 1996-2002. | 0.7 | 22 |
| 13 | Biomechanics of Failed Pulmonary Autografts Compared to Native Aortic Roots. Annals of Thoracic Surgery, 2017, 103, 1482-1488. | 0.7 | 21 |
| 14 | Stent and leaflet stresses in 26-mm, third-generation, balloon-expandable transcatheter aortic valve. Journal of Thoracic and Cardiovascular Surgery, 2019, 157, 528-536. | 0.4 | 19 |
| 15 | Wall Stress Distribution in Bicuspid Aortic Valveâ€“Associated Ascending Thoracic Aortic Aneurysms. Annals of Thoracic Surgery, 2020, 110, 807-814. | 0.7 | 19 |
| 16 | Engineering perspective on transcatheter aortic valve implantation. Interventional Cardiology, 2013, 5, 53-70. | 0.0 | 15 |
| 17 | Regional biomechanical and failure properties of healthy human ascending aorta and root. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 123, 104705. | 1.5 | 15 |
| 18 | Ferumoxytol MRA for transcatheter aortic valve replacement planning with renal insufficiency. International Journal of Cardiology, 2017, 231, 255-257. | 0.8 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Stent and Leaflet Stresses in 29-mm Second-Generation Balloon-Expandable Transcatheter Aortic Valve. Annals of Thoracic Surgery, 2017, 104, 773-781. | 0.7 | 13 |
| 20 | Gated thoracic magnetic resonance angiography at 3T: noncontrast versus blood pool contrast. International Journal of Cardiovascular Imaging, 2018, 34, 475-483. | 0.7 | 11 |
| 21 | Association of diameter and wall stresses of tricuspid aortic valve ascending thoracic aortic aneurysms. Journal of Thoracic and Cardiovascular Surgery, 2022, 164, 1365-1375. | 0.4 | 11 |
| 22 | Patient-specific finite element analysis of ascending thoracic aortic aneurysm. Journal of Heart Valve Disease, 2014, 23, 765-72. | 0.5 | 11 |
| 23 | Stent and leaflet stresses across generations of balloon-expandable transcatheter aortic valves. Interactive Cardiovascular and Thoracic Surgery, 2020, 30, 879-886. | 0.5 | 10 |
| 24 | Patient-Specific Biomechanics in Marfan Ascending Thoracic Aortic Aneurysms. Annals of Thoracic Surgery, 2022, 114, 1367-1375. | 0.7 | 10 |
| 25 | Development of a Veterans Affairs Hybrid Operating Room for Transcatheter Aortic Valve Replacement in the Cardiac Catheterization Laboratory. JAMA Surgery, 2015, 150, 216. | 2.2 | 8 |
| 26 | Outcomes of Veterans Undergoing TAVR Within Veterans Affairs Medical Centers. JACC: Cardiovascular Interventions, 2019, 12, 2186-2194. | 1.1 | 8 |
| 27 | Vascular Operations Performed by Cardiothoracic Surgeons: The Society of Thoracic Surgeons Survey. Annals of Thoracic Surgery, 2016, 102, 589-592. | 0.7 | 6 |
| 28 | When valve-in-valve implantation is not sufficient: Bioprosthetic Russian dolls. Journal of Thoracic and Cardiovascular Surgery, 2016, 152, 624-625. | 0.4 | 5 |
| 29 | Wall stresses of early remodeled pulmonary autografts. Journal of Thoracic and Cardiovascular Surgery, 2022, 164, 1728-1738.e2. | 0.4 | 5 |
| 30 | Impact of transcatheter aortic valve size on leaflet stresses: implications for durability and optimal grey zone sizing. AsiaIntervention, 2020, 6, 64-71. | 0.1 | 5 |
| 31 | Human pulmonary autograft wall stress at systemic pressures prior to remodeling after the Ross procedure. Journal of Heart Valve Disease, 2014, 23, 377-84. | 0.5 | 5 |
| 32 | Ascending thoracic aortic aneurysm growth is minimal at sizes that do not meet criteria for surgical repair. Quantitative Imaging in Medicine and Surgery, 2021, 12, 0-0. | 1.1 | 4 |
| 33 | Leaflet Mechanical Properties of Carpentier-Edwards Perimount Magna Pericardial Aortic Bioprostheses. Journal of Heart Valve Disease, 2017, 26, 81-89. | 0.5 | 4 |
| 34 | Invited Commentary. Annals of Thoracic Surgery, 2013, 96, 2154. | 0.7 | 3 |
| 35 | Impact of Patient-Specific Material Properties on Aneurysm Wall Stress: Finite Element Study. Journal of Heart Valve Disease, 2018, 27, 275-284. | 0.5 | 3 |
| 36 | Veterans Affairs Heart Team Experience With Transcatheter Aortic Valve Replacement and Minimally Invasive Surgical Aortic Valve Replacement. Journal of Invasive Cardiology, 2019, 31, 217-222. | 0.4 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Evolution of Veterans Affairs Transcatheter Aortic Valve Replacement Program: The First 100 Patients. Journal of Heart Valve Disease, 2018, 27, 24-31. | 0.5 | 2 |
| 38 | Association of 3-Year All-Cause Mortality and Peak Wall Stresses of Ascending Thoracic Aortic Aneurysms in Veterans. Seminars in Thoracic and Cardiovascular Surgery, 2023, 35, 447-456. | 0.4 | 2 |
| 39 | Regional wall stress differences on tricuspid aortic valve-associated ascending aortic aneurysms. Interactive Cardiovascular and Thoracic Surgery, 2022, 34, 1115-1123. | 0.5 | 1 |
| 40 | Bicuspid Aortic Valve-Associated Ascending Thoracic Aortic Aneurysm: Patient-Specific Finite Element Analysis. Journal of Heart Valve Disease, 2015, 24, 714-721. | 0.5 | 1 |
| 41 | Eptifibatide bridging therapy for staged carotid artery stenting and cardiac surgery: Safety and feasibility. Vascular, 2022, , 170853812210848. | 0.4 | 1 |
| 42 | Invited Commentary. Annals of Thoracic Surgery, 2008, 85, 2108-2109. | 0.7 | 0 |
| 43 | Reply from authors: Aortic aneurysm biomechanics: Perfect is the enemy of good. Journal of Thoracic and Cardiovascular Surgery, 2020, 160, e105-e106. | 0.4 | 0 |
| 44 | A Finite Element Study of Human Pulmonary Autograft Wall Stress after the Ross Procedure. , 2012, , . | | 0 |
| 45 | Suture Forces for Closure of Transapical Transcatheter Aortic Valve Replacement: A Mathematical Model. Journal of Heart Valve Disease, 2016, 25, 424-429. | 0.5 | 0 |
| 46 | Development of the Minimalist Approach for Transcatheter Aortic Valve Replacement at a Veterans Affairs Medical Center. Journal of Invasive Cardiology, 2021, 33, E108-E114. | 0.4 | 0 |
| 47 | Range of Pulmonary Autograft Responses to Systemic Pressure Immediately After Ross Procedure. Journal of Heart Valve Disease, 2019, 28, 22-31. | 0.5 | 0 |
| 48 | Under Pressureâ€"To See or Not To See. Annals of Thoracic Surgery, 2022, , . | 0.7 | 0 |