

# Vahid Sadri

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1777842/publications.pdf>

Version: 2024-02-01

21  
papers

212  
citations

1039880

9  
h-index

1125617

13  
g-index

22  
all docs

22  
docs citations

22  
times ranked

178  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Development of a Computational Method for Simulating Tricuspid Valve Dynamics. Annals of Biomedical Engineering, 2019, 47, 1422-1434.  | 1.3 | 24        |
| 2  | Influence of Patient-Specific Characteristics on Transcatheter Heart Valve Neo-Sinus Flow: An In Silico Study. Annals of Biomedical Engineering, 2020, 48, 2400-2411.                                      | 1.3 | 23        |
| 3  | The role of flow stasis in transcatheter aortic valve leaflet thrombosis. Journal of Thoracic and Cardiovascular Surgery, 2022, 164, e105-e117.  | 0.4 | 23        |
| 4  | An Evaluation of the Influence of Coronary Flow on Transcatheter Heart Valve Neo-Sinus Flow Stasis. Annals of Biomedical Engineering, 2020, 48, 169-180.   | 1.3 | 19        |
| 5  | Neosinus Flow Stasis Correlates With Thrombus Volume Post-TAVR. JACC: Cardiovascular Interventions, 2019, 12, 1288-1290.   | 1.1 | 18        |
| 6  | Transcatheter aortic valve deployment influences neo-sinus thrombosis risk: An in vitro flow study. Catheterization and Cardiovascular Interventions, 2020, 95, 1009-1016.                                 | 0.7 | 18        |
| 7  | A mechanistic investigation of the EDWARDS INTUITY Elite valve's hemodynamic performance. General Thoracic and Cardiovascular Surgery, 2020, 68, 9-17.   | 0.4 | 14        |
| 8  | Dynamic nature of the LVOT following transcatheter mitral valve replacement with LAMPOON: new insights from post-procedure imaging. European Heart Journal Cardiovascular Imaging, 2022, 23, 650-662.      | 0.5 | 12        |
| 9  | In-Vitro Assessment of the Effects of Transcatheter Aortic Valve Leaflet Design on Neo-Sinus Geometry and Flow. Annals of Biomedical Engineering, 2021, 49, 1046-1057.                                     | 1.3 | 10        |
| 10 | Might Coronary Flow Influence Transcatheter Heart Valve Neo-Sinus Thrombosis?. Circulation: Cardiovascular Interventions, 2019, 12, e008005.   | 1.4 | 7         |
| 11 | In-Vitro evaluation of a new aortic valved conduit. Journal of Thoracic and Cardiovascular Surgery, 2021, 161, 581-590.e6.   | 0.4 | 7         |
| 12 | A Simplified In Silico Model of Left Ventricular Outflow in Patients After Transcatheter Mitral Valve Replacement with Anterior Leaflet Laceration. Annals of Biomedical Engineering, 2021, 49, 1449-1461. | 1.3 | 7         |
| 13 | Long-term durability of a new surgical aortic valve: A 1 billion cycle in-Vitro study. JTCVS Open, 2022, 9, 59-69.   | 0.2 | 6         |
| 14 | Novel In Vitro Test Systems and Insights for Transcatheter Mitral Valve Design, Part I: Paravalvular Leakage. Annals of Biomedical Engineering, 2019, 47, 381-391.   | 1.3 | 5         |
| 15 | Novel In Vitro Test Systems and Insights for Transcatheter Mitral Valve Design, Part II: Radial Expansion Forces. Annals of Biomedical Engineering, 2019, 47, 392-402.                                     | 1.3 | 4         |
| 16 | Transcatheter Aortic Valve Thrombogenesis: A Foreign Materials Perspective. Cardiovascular Engineering and Technology, 2021, 12, 28-36.  | 0.7 | 4         |
| 17 | Framework for Planning TMVR using 3-D Imaging, In Silico Modeling, and Virtual Reality. Structural Heart, 2020, 4, 336-341.  | 0.2 | 3         |
| 18 | Pinch-off of axisymmetric vortex pairs in the limit of vanishing vortex line curvature. Physics of Fluids, 2016, 28, 071701.   | 1.6 | 2         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Formation and behavior of counter-rotating vortex rings. Theoretical and Computational Fluid Dynamics, 2017, 31, 369-390.            | 0.9 | 2         |
| 20 | Roughness and Turbulence Effects on the Aerodynamic Efficiency of a Wind Turbine Blade Section. Scientia Iranica, 2016, 23, 927-941. | 0.3 | 1         |
| 21 | Numerical Study of the Formation of Concentric Vortex Rings. , 2015, , .   |     | 1         |