

# Tohid Pirbodaghi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12126194/publications.pdf>

Version: 2024-02-01

17  
papers

395  
citations

840776

11  
h-index

996975

15  
g-index

17  
all docs

17  
docs citations

17  
times ranked

601  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Precision positioning using a novel six axes compliant nano-manipulator. <i>Microsystem Technologies</i> , 2017, 23, 2499-2507.  | 2.0 | 9         |
| 2  | Mathematical Modeling of Rotary Blood Pumps in a Pulsatile In Vitro Flow Environment. <i>Artificial Organs</i> , 2017, 41, 710-716.  | 1.9 | 11        |
| 3  | A versatile microfluidic device for high throughput production of microparticles and cell microencapsulation. <i>Lab on A Chip</i> , 2017, 17, 2067-2075.                    | 6.0 | 39        |
| 4  | The Impact of Cannulas on the Heart-Blood Pump Interaction. <i>Journal of Bioengineering &amp; Biomedical Science</i> , 2016, 01, .  | 0.2 | 0         |
| 5  | Vibration analysis of nonlinear systems modelled by a mass attached to a stretched elastic wire. <i>European Journal of Computational Mechanics</i> , 2016, 25, 329-338.     | 0.6 | 1         |
| 6  | Dynamic analysis and controller design for a slider-crank mechanism with piezoelectric actuators. <i>Journal of Computational Design and Engineering</i> , 2016, 3, 312-321. | 3.1 | 14        |
| 7  | Left Ventricular Volume Unloading with Axial and Centrifugal Rotary Blood Pumps. <i>ASAIO Journal</i> , 2015, 61, 292-300.   | 1.6 | 32        |
| 8  | Investigating the fluid dynamics of rapid processes within microfluidic devices using bright-field microscopy. <i>Lab on A Chip</i> , 2015, 15, 2140-2144.                   | 6.0 | 23        |
| 9  | Power Consumption of Rotary Blood Pumps: Pulsatile Versus Constant Speed Mode. <i>Artificial Organs</i> , 2014, 38, 1024-1028.   | 1.9 | 19        |
| 10 | Physiologic and hematologic concerns of rotary blood pumps: what needs to be improved?. <i>Heart Failure Reviews</i> , 2014, 19, 259-266.                                    | 3.9 | 16        |
| 11 | Microfluidic encapsulation of cells in alginate particles via an improved internal gelation approach. <i>Microfluidics and Nanofluidics</i> , 2014, 16, 773-777.             | 2.2 | 56        |
| 12 | A droplet-based heterogeneous immunoassay for screening single cells secreting antigen-specific antibodies. <i>Lab on A Chip</i> , 2014, 14, 3275.                           | 6.0 | 47        |
| 13 | We Always Need a Pulse, or Do We?. <i>Journal of Cardiovascular Translational Research</i> , 2013, 6, 294-294.   | 2.4 | 2         |
| 14 | Reply to the Editor. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2013, 145, 1145-1146.   | 0.8 | 0         |
| 15 | Asymmetric speed modulation of a rotary blood pump affects ventricular unloading. <i>European Journal of Cardio-thoracic Surgery</i> , 2013, 43, 383-388.                    | 1.4 | 43        |
| 16 | Pulsatile control of rotary blood pumps: Does the modulation waveform matter?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2012, 144, 970-977.                   | 0.8 | 62        |
| 17 | Effect of Pulsatility on the Mathematical Modeling of Rotary Blood Pumps. <i>Artificial Organs</i> , 2011, 35, 825-832.  | 1.9 | 21        |