

# Zbigniew Nawrat

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7486439/publications.pdf>

Version: 2024-02-01

15  
papers

142  
citations

1684188

5  
h-index

1281871

11  
g-index

17  
all docs

17  
docs citations

17  
times ranked

219  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Total mesorectal excision using a soft and flexible robotic arm: a feasibility study in cadaver models. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2017, 31, 264-273.   | 2.4 | 61        |
| 2  | 3D force sensors for laparoscopic surgery tool. <i>Microsystem Technologies</i> , 2018, 24, 519-525.   | 2.0 | 20        |
| 3  | Digital Innovation Hubs in Health-Care Robotics Fighting COVID-19: Novel Support for Patients and Health-Care Workers Across Europe. <i>IEEE Robotics and Automation Magazine</i> , 2021, 28, 40-47.   | 2.0 | 14        |
| 4  | State of the art in medical robotics in Poland: development of the Robin Heart and other robots. <i>Expert Review of Medical Devices</i> , 2012, 9, 353-359.   | 2.8 | 13        |
| 5  | Norwood with right ventricle-to-pulmonary artery conduit is more effective than Norwood with Blalock-Taussig shunt for hypoplastic left heart syndrome: mathematic modeling of hemodynamics. <i>European Journal of Cardio-thoracic Surgery</i> , 2011, 40, 1412-7; discussion 1417-8. | 1.4 | 7         |
| 6  | Force Feedback Control System Dedicated for Robin Heart Surgical Robot. <i>Procedia Engineering</i> , 2016, 168, 185-188.  | 1.2 | 5         |
| 7  | 3D force sensors for laparoscopic surgery tool. , 2016, , .  |     | 5         |
| 8  | Robin Heart Surgery Robotic System. Challenges in Mechanical Construction, Control System and Staff Training Before First Clinical Application. <i>Archive of Mechanical Engineering</i> , 2014, 61, 163-178.  | 0.7 | 5         |
| 9  | Concept of application of the light-weight robot Robin Heart (â€œPelikanâ€) in veterinary medicine: a feasibility study. <i>Medycyna Weterynaryjna</i> , 2017, 73, 88-91.  | 0.1 | 4         |
| 10 | The development of InterNetwork channel Emulation platform for Surgical Robot Telem Manipulation control system (INSeRT). , 2015, , .  |     | 2         |
| 11 | Medical robots in cardiac surgery â€ application and perspectives. <i>Kardiochirurgia I Torakochirurgia Polska</i> , 2017, 1, 79-83.   | 0.1 | 2         |
| 12 | The influence of physical and chemical agents on photooxidation of porcine pericardial collagen. <i>Bio-Medical Materials and Engineering</i> , 2005, 15, 137-44.  | 0.6 | 2         |
| 13 | Robin Heart surgical robot: Description and future challenges. , 2020, , 75-113.   |     | 1         |
| 14 | Forming effective relationships between academia and the medical devices industry with a focus on launching a smart heart valve prosthesis for pediatric patients. <i>Translational Medicine Communications</i> , 2019, 4, .   | 1.4 | 0         |
| 15 | TESTING A PROTOTYPE FRICTION DRIVE TRANSMISSION. <i>Tribologia</i> , 2018, 281, 47-52.   | 0.2 | 0         |