# Tomasz Walczak

## List of Publications by Year
## in descending order

| | | | |
|---|---|---|---|
| 19<br>papers | 67<br>citations | 1936888<br>4<br>h-index | 1473754<br>9<br>g-index |
| 19<br>all docs | 19<br>docs citations | 19<br>times ranked | 65<br>citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | On the application of the curve curvature in path synthesis. Mechanism and Machine Theory, 2009, 44, 1223-1239. | 2.7 | 30 |
| 2 | Discussion about different cut-off values of conventional hamstring-to-quadriceps ratio used in hamstring injury prediction among professional male football players. PLoS ONE, 2017, 12, e0188974. | 1.1 | 19 |
| 3 | Mesh versus meshless method of elastic displacement determination in a common and an auxetic material. Physica Status Solidi (B): Basic Research, 2014, 251, 2225-2232. | 0.7 | 4 |
| 4 | The Application of Artificial Neural Network in Diagnosis of Sleep Apnea Syndrome. Lecture Notes in Mechanical Engineering, 2019, , 432-443. | 0.3 | 4 |
| 5 | Gender recognition using artificial neural networks and data coming from force plates. Advances in Intelligent Systems and Computing, 2018, , 53-60. | 0.5 | 3 |
| 6 | The Recognition of Human by the Dynamic Determinants of the Gait with Use of ANN. Springer Proceedings in Mathematics and Statistics, 2016, , 375-385. | 0.1 | 3 |
| 7 | Application of Artificial Neural Networks in the Human Identification Based on Thermal Image of Hands. Advances in Intelligent Systems and Computing, 2019, , 114-122. | 0.5 | 2 |
| 8 | Comparison of some evolutionary algorithms for optimization of the path synthesis problem. AIP Conference Proceedings, 2018, , . | 0.3 | 1 |
| 9 | Application of Construction Solutions of Biped Walking Robots in Designing a Prosthetic Foot. Advances in Intelligent Systems and Computing, 2019, , 177-189. | 0.5 | 1 |
| 10 | Application of the MEBDFV solver to dynamic simulation of some specific multibody systems: an example of a cervical spine model. International Journal of Dynamics and Control, 2015, 3, 17-30. | 1.5 | 0 |
| 11 | The application of the method of fundamental solutions in modeling auxetic materials. Journal of Mechanics of Materials and Structures, 2016, 11, 79-90. | 0.4 | 0 |
| 12 | HAMSTRING/QUADRICEPS RATIO IN ACL INJURY PREDICTION IN ELITE FOOTBALL PLAYERS. British Journal of Sports Medicine, 2017, 51, 326.1-326. | 3.1 | 0 |
| 13 | Artificial neural networks in knee injury risk evaluation among professional football players. AIP Conference Proceedings, 2018, , . | 0.3 | 0 |
| 14 | Height of the Countermovement Vertical Jump Determined Based on the Measurements Coming from the Motion Capture System. Advances in Intelligent Systems and Computing, 2019, , 190-199. | 0.5 | 0 |
| 15 | Influence of the Most Important Elements of the Prosthesis on Biomechanics of the Human Gait After Amputation of the Lower Limb. Lecture Notes in Mechanical Engineering, 2019, , 342-356. | 0.3 | 0 |
| 16 | Flow of subretinal liquid through the retinal hole after surgery – mechanical model and FEM simulations. Advances in Intelligent Systems and Computing, 2018, , 263-270. | 0.5 | 0 |
| 17 | On Different Methods for Calculating the Flight Height in the Vertical Countermovement Jump Analysis. Advances in Intelligent Systems and Computing, 2019, , 242-251. | 0.5 | 0 |
| 18 | Application of the Motion Capture System in the Biomechanical Analysis of the Injured Knee Joint. Lecture Notes in Mechanical Engineering, 2019, , 257-265. | 0.3 | 0 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | Estimation of Apnea-Hypopnea Index in Sleep Breathing Disorders with the Use of Artificial Neural Networks. Advances in Intelligent Systems and Computing, 2019, , 96-106. | 0.5 | 0 |