

# Adam KÅ,odowski

## List of Publications by Year in descending order

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16  
papers

226  
citations

1040056

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1058476

14  
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all docs

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docs citations

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times ranked

243  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Recent Advances in Bipedal Walking Robots: Review of Gait, Drive, Sensors and Control Systems. Sensors, 2022, 22, 4440.  | 3.8  | 30        |
| 2  | Obtaining Various Shapes of Machined Surface Using a Tool with a Multi-Insert Cutting Edge. Applied Sciences (Switzerland), 2019, 9, 880.  | 2.5  | 10        |
| 3  | Validation of multibody modeling and simulation using an instrumented bicycle: from the computer to the road. Multibody System Dynamics, 2018, 43, 297-319.  | 2.7  | 6         |
| 4  | Planetary gear sets power loss modeling: Application to wind turbines. Tribology International, 2017, 105, 42-54.  | 5.9  | 42        |
| 5  | Computer Aided System for Superfinishing Process Control. Procedia Technology, 2016, 22, 48-54.  | 1.1  | 10        |
| 6  | Merge of motion analysis, multibody dynamics and finite element method for the subject-specific analysis of cartilage loading patterns during gait: differences between rotation and moment-driven models of human knee joint. Multibody System Dynamics, 2016, 37, 271-290. | 2.7  | 25        |
| 7  | Leakage-proof nozzle design for RepRap community 3D printer. Robotica, 2015, 33, 721-746.  | 1.9  | 9         |
| 8  | Multibody Approach to Musculoskeletal and Joint Loading. Archives of Computational Methods in Engineering, 2015, 22, 237-267.  | 10.2 | 4         |
| 9  | Effect of innervation zones in estimating biceps brachii force—EMG relationship during isometric contraction. Journal of Electromyography and Kinesiology, 2012, 22, 80-87.  | 1.7  | 20        |
| 10 | Pilot study on proximal femur strains during locomotion and fall-down scenario. Multibody System Dynamics, 2012, 28, 239-256.  | 2.7  | 5         |
| 11 | Craig-Bampton Modal Reduction Applied to Human Tibia Tradeoff Between Accuracy and Speed. , 2011, , .  |      | 1         |
| 12 | Flexible multibody approach in forward dynamic simulation of locomotive strains in human skeleton with flexible lower body bones. Multibody System Dynamics, 2011, 25, 395-409.  | 2.7  | 27        |
| 13 | The use of the flexible multibody approach for lower body skeletal loading analysis. Procedia IUTAM, 2011, 2, 93-100.  | 1.2  | 2         |
| 14 | A full body musculoskeletal model based on flexible multibody simulation approach utilised in bone strain analysis during human locomotion. Computer Methods in Biomechanics and Biomedical Engineering, 2011, 14, 573-579.  | 1.6  | 14        |
| 15 | A Dynamic Simulation of a Human Gait Using the Hybrid Muscle Model and a QCT-Based Flexible Tibia. , 2009, , .   |      | 0         |
| 16 | Analysis of dynamic strains in tibia during human locomotion based on flexible multibody approach integrated with magnetic resonance imaging technique. Multibody System Dynamics, 2008, 20, 287-306.  | 2.7  | 21        |