

# Masoud Abdollahi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6673966/publications.pdf>

Version: 2024-02-01

13  
papers

123  
citations

1684188

5  
h-index

1474206

9  
g-index

15  
all docs

15  
docs citations

15  
times ranked

117  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | A novel approach to spinal 3-D kinematic assessment using inertial sensors: Towards effective quantitative evaluation of low back pain in clinical settings. Computers in Biology and Medicine, 2017, 89, 144-149.  | 7.0 | 27        |
| 2  | Smartphone-based human fatigue level detection using machine learning approaches. Ergonomics, 2021, 64, 600-612.  | 2.1 | 26        |
| 3  | Using a Motion Sensor to Categorize Nonspecific Low Back Pain Patients: A Machine Learning Approach. Sensors, 2020, 20, 3600.   | 3.8 | 25        |
| 4  | A regenerative approach towards recovering the mechanical properties of degenerated intervertebral discs: Genipin and platelet-rich plasma therapies. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2017, 231, 127-137. | 1.8 | 11        |
| 5  | A Data-Driven Model to Identify Fatigue Level Based on the Motion Data from a Smartphone. , 2019, , .   |     | 8         |
| 6  | Kinematic Analysis of 360° Turning in Stroke Survivors Using Wearable Motion Sensors. Sensors, 2022, 22, 385.   | 3.8 | 8         |
| 7  | A model for flexi-bar to evaluate intervertebral disc and muscle forces in exercises. Medical Engineering and Physics, 2016, 38, 1076-1082.   | 1.7 | 5         |
| 8  | Biomechanical modeling of spinal ligaments: finite element analysis of L4-L5 spinal segment. Computer Methods in Biomechanics and Biomedical Engineering, 2021, 24, 1807-1818.  | 1.6 | 5         |
| 9  | Why multi-tier surgical instrument table matters? An ergonomic analysis from mento-physical demand perspectives. Applied Ergonomics, 2022, 105, 103828.   | 3.1 | 3         |
| 10 | Kinematic Assessment of Turning and Walking Tasks Among Stroke Survivors by Employing Wearable Sensors and Pressure Platform. , 2021, 2021, 6635-6638.  |     | 2         |
| 11 | Mechanical comparison of cold-worked versus cold-worked hot-forged dynamic hip screw system. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2022, 236, 10742-10750.   | 2.1 | 1         |
| 12 | A Mechanical model for flexible exercise bars to study the influence of the initial position of the bar on lumbar discs and muscles forces. , 2015, 2015, 3917-20.  |     | 0         |
| 13 | Assessing the Ergonomic Design of a New Back Table for Perioperative Nurses. Proceedings of the International Symposium of Human Factors and Ergonomics in Healthcare, 2021, 10, 131-136.   | 0.3 | 0         |