

# Ambrus Zelei

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7173241/publications.pdf>

Version: 2024-02-01

12  
papers

66  
citations

1937685

4  
h-index

1588992

8  
g-index

12  
all docs

12  
docs citations

12  
times ranked

52  
citing authors

#	ARTICLE	IF	CITATIONS
1	Computed torque control of an under-actuated service robot platform modeled by natural coordinates. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2011, 16, 2205-2217.	3.3	23
2	Introduction of a Complex Reaction Time Tester Instrument. <i>Periodica Polytechnica, Mechanical Engineering</i> , 2019, 64, 20-30.	1.4	9
3	Estimation of Human Reaction Time Delay During Balancing on Balance Board. , 2017, , .		7
4	Rolling balance board of adjustable geometry as a tool to assess balancing skill and to estimate reaction time delay. <i>Journal of the Royal Society Interface</i> , 2021, 18, 20200956.	3.4	7
5	Effects of human running cadence and experimental validation of the bouncing ball model. <i>Mechanical Systems and Signal Processing</i> , 2017, 89, 78-87.	8.0	5
6	Human balancing on rolling balance board in the frontal plane. <i>IFAC-PapersOnLine</i> , 2018, 51, 300-305.	0.9	5
7	Stable periodic motion of a controlled segmented leg model of pedal locomotion with inelastic ground-foot collision. <i>Nonlinear Dynamics</i> , 2019, 97, 1945-1958.	5.2	3
8	Velocity and acceleration level inverse kinematic calculation alternatives for redundant manipulators. <i>Meccanica</i> , 2021, 56, 887-900.	2.0	3
9	Servo-Constraint Based Computed Torque Control of Underactuated Mechanical Systems. , 2011, , .		2
10	Running Form Analysis Based on Impact Dynamics: A Minimally Complex Mechanical Model. <i>Periodica Polytechnica, Mechanical Engineering</i> , 2018, 63, 7-15.	1.4	1
11	A Tutorial for the Analysis of the Piecewise-Smooth Dynamics of a Constrained Multibody Model of Vertical Hopping. <i>Mathematical and Computational Applications</i> , 2018, 23, 74.	1.3	1
12	Computed Torque Control Method for Under-Actuated Manipulator. , 2009, , .		0