

# Mostafa Ajallooeian

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10926377/publications.pdf>

Version: 2024-02-01

10  
papers

605  
citations

1307594

7  
h-index

1720034

7  
g-index

10  
all docs

10  
docs citations

10  
times ranked

588  
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards dynamic trot gait locomotion: Design, control, and experiments with Cheetah-cub, a compliant quadruped robot. International Journal of Robotics Research, 2013, 32, 932-950.	8.5	386
2	A general family of morphed nonlinear phase oscillators with arbitrary limit cycle shape. Physica D: Nonlinear Phenomena, 2013, 263, 41-56.	2.8	42
3	Central Pattern Generators augmented with virtual model control for quadruped rough terrain locomotion. , 2013, , .		35
4	Oncilla Robot: A Versatile Open-Source Quadruped Research Robot With Compliant Pantograph Legs. Frontiers in Robotics and AI, 2018, 5, 67.	3.2	34
5	Modular control of limit cycle locomotion over unperceived rough terrain. , 2013, , .		31
6	Kinematic primitives for walking and trotting gaits of a quadruped robot with compliant legs. Frontiers in Computational Neuroscience, 2014, 8, 27.	2.1	25
7	On designing an active tail for legged robots: simplifying control via decoupling of control objectives. Industrial Robot, 2016, 43, 338-346.	2.1	19
8	Hybrid Evolutionary-Neural Network Approach in Generation of Artificial Accelerograms Using Principal Component Analysis and Wavelet-Packet Transform. Journal of Earthquake Engineering, 2011, 15, 50-76.	2.5	17
9	Design, implementation and analysis of an alternation-based Central Pattern Generator for multidimensional trajectory generation. Robotics and Autonomous Systems, 2012, 60, 182-198.	5.1	14
10	ON DESIGNING AN ACTIVE TAIL FOR BODY-PITCH CONTROL IN LEGGED ROBOTS VIA DECOUPLING OF CONTROL OBJECTIVES. , 2015, , .		2