

Borna Ghannadi

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

160
citations

1478505

6
h-index

1588992

8
g-index

14
all docs

14
docs citations

14
times ranked

127
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of direct collocation optimal control to trajectory optimization for parameter identification of an ellipsoidal foot-ground contact model. <i>Multibody System Dynamics</i> , 2020, 49, 71-93.	2.7	12
2	On the Relationship Between Muscle Synergies and Redundant Degrees of Freedom in Musculoskeletal Systems. <i>Frontiers in Computational Neuroscience</i> , 2019, 13, 23.	2.1	4
3	A review of simulation methods for human movement dynamics with emphasis on gait. <i>Multibody System Dynamics</i> , 2019, 47, 265-292.	2.7	38
4	Upper Extremity Rehabilitation Robots: A Survey. , 2019, , 319-353.		5
5	A Synergy-Based Motor Control Framework for the Fast Feedback Control of Musculoskeletal Systems. <i>Journal of Biomechanical Engineering</i> , 2019, 141, .	1.3	7
6	A modified homotopy optimization for parameter identification in dynamic systems with backlash discontinuity. <i>Nonlinear Dynamics</i> , 2019, 95, 57-72.	5.2	7
7	Configuration-Dependent Optimal Impedance Control of an Upper Extremity Stroke Rehabilitation Manipulandum. <i>Frontiers in Robotics and AI</i> , 2018, 5, 124.	3.2	6
8	Feedback Control of Functional Electrical Stimulation for 2-D Arm Reaching Movements. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2018, 26, 2033-2043.	4.9	26
9	Feedback control of functional electrical stimulation for arbitrary upper extremity movements. , 2017, 2017, 1451-1456.		5
10	Nonlinear model predictive control of an upper extremity rehabilitation robot using a two-dimensional human-robot interaction model. , 2017, , .		14
11	Predictive Simulation of Reaching Moving Targets Using Nonlinear Model Predictive Control. <i>Frontiers in Computational Neuroscience</i> , 2016, 10, 143.	2.1	35
12	Optimal Impedance Control of an Upper Limb Stroke Rehabilitation Robot. , 2015, , .		1
13	Adaptive Control of an Upper Extremity Rehabilitation Robot with Backlash. , 0, , .		0
14	Optimal Vertical Jump of a Human. , 0, , .		0