Bahram Tarvirdizadeh

List of Publications by Year
in descending order

14 papers	134 citations	1478505 6 h-index	1474206 9 g-index
15 all docs	15 docs citations	15 times ranked	137 citing authors

#	Article	IF	Citations
1	Fabrication of a portable device for stress monitoring using wearable sensors and soft computing algorithms. Neural Computing and Applications, 2020, 32, 7515-7537.	5.6	35
2	Design and control of a lower limb rehabilitation robot considering undesirable torques of the patientâ€™s limb. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2020, 234, 1457-1471.	1.8	25
3	A novel online method for identifying motion artifact and photoplethysmography signal reconstruction using artificial neural networks and adaptive neuro-fuzzy inference system. Neural Computing and Applications, 2020, 32, 3549-3566.	5.6	23
4	On the capability of wheeled mobile robots for heavy object manipulation considering dynamic stability constraints. Multibody System Dynamics, 2017, 41, 101-123.	2.7	12
5	Tracking-Error Fuzzy-Based Control for Nonholonomic Wheeled Robots. Arabian Journal for Science and Engineering, 2019, 44, 881-892.	3.0	12
6	Near-time-optimal motion control for flexible-link systems using absolute nodal coordinates formulation. Mechanism and Machine Theory, 2019, 140, 686-710.	4.5	10
7	Formation control of multiple wheeled mobile robots based on model predictive control. Robotica, 2022, 40, 3178-3213.	1.9	6
8	Design and Implementation of a Cable Driven Lower Limb Exoskeleton for Stair Climbing. , 2017, , .		3
9	Learning a model-free robotic continuous state-action task through contractive Q-network. , 2017, , .		2
10	Falling Analysis and Examination of Different Novel Strategies for Preserving the Postural Stability of a User Wearing ASR-EXO during Stair Climbing. Journal of Intelligent and Robotic Systems: Theory and Applications, 2022, 105, 1.	3.4	2
11	Best parameters of flexible link manipulator systems for Dynamic Object Manipulation execution. , 2015, , .		1
12	Knee rehabilitation robot control by Sliding-Backstepping and Admittance control. , 2017, , .		1
13	Design and Prototyping a New Add-on Module to Increase Traction Force of a Wheeled Sewer Inspection Robot. , 2017, , .		1
14	A numerical algorithm to find optimum parameters of a flexible-link manipulator arm for performing payload launching. Engineering Computations, 2021, ahead-of-print, .	1.4	0