

Theme 1-1: Robotics and Intelligent Autonomous Systems - 2022

Title	Authors	Scopus Source title	Volume	Issue	Pages	Publication type
Optimal resource selection and sizing for unmanned aerial vehicles	Mahmood, L.S. Shaaban, M.F. Mukhopadhyay, S. Alblooshi, M.	Soft Computing	26	12	5685-5697	Article
Modelling and Design of a Large Solar Quadcopter	Dhaouadi, R. Takroui, M. Shapsough, S. Bashayreh, Q.A.	Lecture Notes in Networks and Systems	358	-	451-467	Conference Paper
Cable-Driven Parallel Robot Workspace Identification and Optimal Design Based on the Upper Limb Functional Rehabilitation	Ennaiem, F. Chaker, A. Sandoval, J. Bennour, S. Mlika, A. Romdhane, L. Zeghloul, S. Laribi, M.A.	Journal of Bionic Engineering	19	2	390-402	Article
Performance analysis of bio-inspired transformable robotic fish tail	Omari, M. Ghommem, M. Romdhane, L. Hajj, M.R.	Ocean Engineering	244	-	-	Article
Focus on Rehabilitation Exercises in View of Cable-Driven Parallel Robot Design	Ennaiem, F. Laribi, M.A. Chaker, A. Arévalo, J.S.S. Bennour, S. Mlika, A. Romdhane, L. Zeghloul, S.	Lecture Notes in Mechanical Engineering	-	-	11-18	Conference Paper
Motion planning of unmanned aerial vehicles in dynamic 3D space: a potential force approach	Garibeh, M.H. Alshorman, A.M. Jaradat, M.A. Younes, A.B. Khaleel, M.	Robotica	40	10	3604-3630	Article
Precision comparison of two 3-DoF translational parallel manipulators based on the orientation errors due to joint clearances	Chouaibi, Y. Chebbi, A.H. Affi, Z. Romdhane, L.	Robotica	40	10	3751-3767	Article
Design Optimization and Dynamic Control of a 3-d.O.F. Planar Cable-Driven Parallel Robot for Upper Limb Rehabilitation	Ennaiem, F. Golli, H.E. Chaker, A. Laribi, M.A. Sandoval, J. Bennour, S. Mlika, A. Romdhane, L. Zeghloul, S.	Mechanisms and Machine Science	106	-	27-37	Conference Paper
Intelligent Optimization of Adaptive Dynamic Window Approach for Mobile Robot Motion Control Using Fuzzy Logic	Abubakr, O.A. Jaradat, M.A. Abdel-Hafez, M.	IEEE Access	-	-	1-1	Article
Cable-Driven Parallel Robot Accuracy Improving Using Visual Servoing	Ennaiem, F. Chaker, A. Sandoval, J. Bennour, S. Mlika, A. Romdhane, L. Zeghloul, S. Laribi, M.A.	Mechanisms and Machine Science	120	-	97-105	Conference Paper
EXPERIMENTAL INVESTIGATION OF HYBRID PROPULSION MECHANISM FOR ROBOTIC FISH	Aly, A. Omari, M. Ghommem, M. Romdhane, L.	American Society of Mechanical Engineers, Fluids Engineering Division (Publication) FEDSM	1	-	-	Conference Paper
The Design of a Lightweight Cable Aerial Manipulator with a CoG Compensation Mechanism for Construction Inspection Purposes	Alakhras, A. Sattar, I.H. Alvi, M. Qanbar, M.W. Jaradat, M.A. Alkaddour, M.	Applied Sciences (Switzerland)	12	3	-	Article