

Tarik Uzunovic

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

209
citations

1478280

6
h-index

1281743

11
g-index

42
all docs

42
docs citations

42
times ranked

127
citing authors

#	ARTICLE	IF	CITATIONS
1	Observer-Based Design of Motion Control Systems in Sliding Mode Control Framework. IEEE Access, 2022, 10, 26603-26612.	2.6	1
2	Application of Soft Actuation to Bilateral Control and Haptic Reproduction. International Journal of Control, Automation and Systems, 2022, 20, 992-1001.	1.6	4
3	State of Charge Estimation on Constrained Embedded Devices. , 2022, , .		0
4	Development of Correction Models for Three-Electrode NO ₂ Electrochemical Sensor. , 2022, , .		0
5	Stability and Robustness of the Disturbance Observer-Based Motion Control Systems in Discrete-Time Domain. IEEE/ASME Transactions on Mechatronics, 2021, 26, 2139-2150.	3.7	21
6	Disturbance-Observer-based Control of DFIG in Island Mode for Microgrid Applications. IEEE Access, 2021, , 1-1.	2.6	2
7	Universal Motion Controller. , 2021, , .		3
8	Discrete-Time Analysis and Synthesis of Disturbance Observer-Based Robust Force Control Systems. IEEE Access, 2021, 9, 148911-148924.	2.6	6
9	Artificially Intelligent Assistant for Basketball Coaching. Lecture Notes in Networks and Systems, 2020, , 417-427.	0.5	0
10	Edge Computing Framework for Wearable Sensor-Based Human Activity Recognition. Lecture Notes in Networks and Systems, 2020, , 376-387.	0.5	2
11	A High-Torque Density Compliant Actuator Design for Physical Robot Environment Interaction. , 2020, , .		3
12	Novel Algorithm for Position/Force Control of Multi-DOF Robotic Systems. , 2020, , .		8
13	Novel Algorithm for Effective Position/Force Control. IEEJ Journal of Industry Applications, 2019, 8, 960-966.	0.9	13
14	An Open and Extensible Data Acquisition and Processing Platform for Rehabilitation Applications. Lecture Notes in Networks and Systems, 2019, , 394-406.	0.5	1
15	System for Distributed Measurement of Ambient Conditions in Homes. Lecture Notes in Networks and Systems, 2018, , 868-875.	0.5	0
16	Task-Based Control and Human Activity Recognition for Human-Robot Collaboration. , 2018, , .		5
17	Comparison of Different Methods for Digital Fractional-Order Differentiator and Integrator Design. , 2018, , .		2
18	Performance improvement of bilateral control systems using derivative of force. Robotica, 2018, 36, 1627-1640.	1.3	4

#	ARTICLE	IF	CITATIONS
19	A Novel Approach to Motion Control Design for Functionally Related Systems. International Journal of Control, Automation and Systems, 2018, 16, 2043-2054.	1.6	2
20	Averaged Control for Fractional ODEs and Fractional Diffusion Equations. Journal of Function Spaces, 2018, 2018, 1-8.	0.4	2
21	A discussion on discrete implementation of disturbance-observer-based control. , 2018, , .		5
22	Modular and reconfigurable desktop microfactory for high precision manufacturing. International Journal of Advanced Manufacturing Technology, 2017, 90, 3749-3759.	1.5	21
23	Internet of things-based system for physical rehabilitation monitoring. , 2017, , .		5
24	Embedded automatic scheduling system. , 2016, , .		1
25	Force control of piezoelectric walker. , 2016, , .		0
26	A novel hybrid contouring control method for 3-DOF robotic manipulators. Mechatronics, 2016, 40, 178-193.	2.0	19
27	Formation control of differential-drive mobile robots in the framework of functionally related systems. , 2015, , .		2
28	DSC-based implementation for power control of DFIC in microgrid applications. , 2015, , .		1
29	Control system for high precision positioning applications based on piezo motors. , 2015, , .		1
30	Piezo LEGS Driving Principle Based on Coordinate Transformation. IEEE/ASME Transactions on Mechatronics, 2015, 20, 1395-1405.	3.7	19
31	Desktop microfactory for high precision assembly and machining. , 2014, , .		6
32	Three-dimensional contour tracking control of a parallel manipulator: Comparison of two control techniques. , 2014, , .		1
33	FPGA based control of a walking piezo motor. , 2014, , .		3
34	Configuration space control of a parallel Delta robot with a neural network based inverse kinematics. , 2013, , .		13
35	Adaptive control of piezoelectric walker actuator. , 2013, , .		8
36	High precision control of a walking piezoelectric motor in bending mode. , 2013, , .		5

#	ARTICLE	IF	CITATIONS
37	Piezoelectric motor driver: Design and evaluation. , 2013, , .		4
38	Notice of Removal: Piezoelectric motor driver: Design and evaluation. , 2013, , .		1
39	Nanometric positioning of a piezo walker. , 2013, , .		1
40	Implementation of microcontroller based fuzzy controller. , 2012, , .		3
41	Neural networks for helicopter azimuth and elevation angles control obtained by cloning processes. , 2010, , .		6