Kaloyan Yovchev

List of Publications by Year
in descending order

23 papers	95 citations	1937685 4 h-index	1588992 8 g-index
27 all docs	27 docs citations	27 times ranked	64 citing authors

#	Article	IF	Citations
1	State Space Constrained Iterative Learning Control for Robotic Manipulators. Asian Journal of Control, 2018, 20, 1145-1150.	3.0	23
2	Communication system for remote control of service robots. IFAC-PapersOnLine, 2019, 52, 186-191.	0.9	10
3	Intelligent modular service mobile robot ROBCO 12 for elderly and disabled persons care. , 2014, , .		9
4	Case Study on Human-Robot Interaction of the Remote-Controlled Service Robot for Elderly and Disabled Care. Computing and Informatics, 2019, 38, 1210-1236.	0.7	9
5	Cost-Oriented Mobile Robot Assistant for Disabled Care. IFAC-PapersOnLine, 2015, 48, 128-133.	0.9	8
6	Trajectory Planning for Redundant Robotic Manipulators with Constrained Joint Space. , 2020, , .		5
7	Finding the Optimal Parameters for Robotic Manipulator Applications of the Bounded Error Algorithm for Iterative Learning Control. Journal of Theoretical and Applied Mechanics (Bulgaria), 2017, 47, 3-11.	0.0	4
8	Computer Simulation of Bounded Error Algorithm for Iterative Learning Control. Advances in Intelligent Systems and Computing, 2017, , 136-143.	0.6	4
9	Iterative Learning Control of Hard Constrained Robotic Manipulators. Mechanisms and Machine Science, 2020, , 487-495.	0.5	3
10	Preliminary Study on Motion Planning with Obstacle Avoidance for Hard Constrained Redundant Robotic Manipulators. , 2021, , .		3
11	Precise Positioning of a Robotic Arm Manipulator Using Stereo Computer Vision and Iterative Learning Control. Mechanisms and Machine Science, 2018, , 289-296.	0.5	2
12	Iterative Learning Control for Precise Trajectory Tracking Within a Constrained Workspace. Mechanisms and Machine Science, 2019, , 483-492.	0.5	2
13	Manipulability Analysis of Redundant Robotic Manipulator. , 2020, , .		2
14	Payload-adaptive iterative learning control for robotic manipulators. Mechanical Sciences, 2022, 13, 427-436.	1.0	2
15	Multi-channel software infrastructure for remote control of service robots. , 2019, , .		1
16	An Intelligent Control System for Service Robots. IFAC-PapersOnLine, 2019, 52, 327-332.	0.9	1
17	Influence of atmospheric turbulence on the control of flying robotics systems. , 2019, , .		1
18	Indoor Navigation Using Existing Infrastructure for Professional Service Robots. Advances in Intelligent Systems and Computing, 2020, , 231-239.	0.6	1

#	Article	IF	Citations
19	Marker-Based Automatic Dataset Collection for Robotic Vision System. Mechanisms and Machine Science, 2021, , 145-153.	0.5	1
20	Design of a Sensor System for a Minimalistic Walking Robot with Two Degrees of Freedom. , 2021, , .		1
21	Genetic Algorithm with Iterative Learning Control for Estimation of the Parameters of Robot Dynamics. Mechanisms and Machine Science, 2021, , 226-235.	0.5	0
22	Determination of Object Location for Robotic Grasping Using Depth Vision Sensor. Mechanisms and Machine Science, 2020, , 596-605.	0.5	0
23	Point-to-point Motion Planning with Obstacle Avoidance for Hard Constrained Redundant Robotic Manipulators. , 2021, , .		0