AleÅ¡ VysockÃ½

List of Publications by Year
in descending order

16 papers	267 citations	1307543 7 h-index	1058452 14 g-index
16 all docs	16 docs citations	16 times ranked	250 citing authors

#	Article	IF	Citations
1	Simulation Environment for Neural Network Dataset Generation. Lecture Notes in Computer Science, 2022, , 322-332.	1.3	1
2	Improved Mutual Understanding for Human-Robot Collaboration: Combining Human-Aware Motion Planning with Haptic Feedback Devices for Communicating Planned Trajectory. Sensors, 2021, 21, 3673.	3.8	26
3	Method for Robot Manipulator Joint Wear Reduction by Finding the Optimal Robot Placement in a Robotic Cell. Applied Sciences (Switzerland), 2021, 11, 5398.	2.5	4
4	Intuitive Spatial Tactile Feedback for Better Awareness about Robot Trajectory during Human–Robot Collaboration. Sensors, 2021, 21, 5748.	3.8	16
5	Using Virtual Scanning to Find Optimal Configuration of a 3D Scanner Turntable for Scanning of Mechanical Parts. Sensors, 2021, 21, 5343.	3.8	6
6	Reduction in Robotic Arm Energy Consumption by Particle Swarm Optimization. Applied Sciences (Switzerland), 2020, 10, 8241.	2.5	10
7	Analysis of Precision and Stability of Hand Tracking with Leap Motion Sensor. Sensors, 2020, 20, 4088.	3.8	20
8	Improved Pose Estimation of Aruco Tags Using a Novel 3D Placement Strategy. Sensors, 2020, 20, 4825.	3.8	25
9	Camera-Based Method for Identification of the Layout of a Robotic Workcell. Applied Sciences (Switzerland), 2020, 10, 7679.	2.5	10
10	Modular Rover Design for Exploration and Analytical Tasks. Lecture Notes in Computer Science, 2020, , 203-215.	1.3	2
11	TUNING PERCEPTION AND MOTION PLANNING PARAMETERS FOR MOVEIT! FRAMEWORK. MM Science Journal, 2020, 2020, 4154-4163.	0.4	3
12	Motion Planning Analysis According to ISO/TS 15066 in Human–Robot Collaboration Environment. , 2019, , .		4
13	Interaction with Collaborative Robot Using 2D and TOF Camera. Lecture Notes in Computer Science, 2019, , 477-489.	1.3	3
14	A Study on Direct Teleoperation Device Kinematics. Lecture Notes in Computer Science, 2019, , 140-146.	1.3	0
15	USE OF DIFFERENT SIMULATION METHODS FOR DESIGN OF EXPERIMENTAL ROVER. MM Science Journal, 2018, 12, 2616-2620.	0.4	1
16	HUMAN – ROBOT COLLABORATION IN INDUSTRY. MM Science Journal, 2016, 2016, 903-906.	0.4	136