VladimÃ-r Bulej

List of Publications by Year
in descending order

19	216	1478505 6	1058476 14
papers	citations	h-index	g-index

21	21	21	210
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Approach to Automated Visual Inspection of Objects Based on Artificial Intelligence. Applied Sciences (Switzerland), 2022, 12, 864.	2.5	10
2	Analysis of Symmetrical/Asymmetrical Loading Influence of the Full-Suspension Downhill Bicycleâ€™s Frame on the Crack Failure Formation at a Critical Point during Different Driving Scenarios and Design Improvement. Symmetry, 2022, 14, 255.	2.2	3
3	Conceptual Design and Simulation of Cable-driven Parallel Robot for Inspection and Monitoring Tasks. MATEC Web of Conferences, 2022, 357, 02024.	0.2	0
4	An overview of robot applications in automotive industry. Transportation Research Procedia, 2021, 55, 837-844.	1.5	25
5	Development of an automated diagnostic and inspection system based on artificial intelligence designed to eliminate risks in transport and industrial companies. Transportation Research Procedia, 2021, 55, 805-813.	1.5	6
6	Concept of flexible transport system for components distribution within the production hall based on self-navigated mobile robot. Transportation Research Procedia, 2021, 55, 845-852.	1.5	1
7	Methods of Pre-Identification of TITO Systems. Applied Sciences (Switzerland), 2021, 11, 6954.	2.5	1
8	Analysis of Laser Sensors and Camera Vision in the Shoe Position Inspection System. Sensors, 2021, 21, 7531.	3.8	3
9	Case study: Performance analysis and development of robotized screwing application with integrated vision sensing system for automotive industry. International Journal of Advanced Robotic Systems, 2020, 17, 172988142092399.	2.1	25
10	Modelling and Simulation of Machine Tool Prototype with 6DOF Parallel Mechanism in Matlab / Simulink. MATEC Web of Conferences, 2019, 254, 03002.	0.2	3
11	The mould for production of plastic spout cap with internal thread by injection moulding. MATEC Web of Conferences, 2018, 244, 01025.	0.2	0
12	A Novel Approach for a Inverse Kinematics Solution of a Redundant Manipulator. Applied Sciences (Switzerland), 2018, 8, 2229.	2.5	41
13	The space distribution and transfer of positioning errors from actuators to the TCP point of parallel mechanism. MATEC Web of Conferences, 2018, 157, 02006.	0.2	2
14	VISION GUIDED PARALLEL ROBOT AND ITS APPLICATION FOR AUTOMATED ASSEMBLY TASK. Advances in Science and Technology Research Journal, 2018, 12, 150-157.	0.8	10
15	Development of simulation software for mobile robot path planning within multilayer map system based on metric and topological maps. International Journal of Advanced Robotic Systems, 2017, 14, 172988141774302.	2.1	60
16	Material Flow Improvement in Automated Assembly Lines Using Lean Logistics. Annals of DAAAM & Proceedings, 2011, , 0253-0254.	0.1	5
17	Parallel Mechanism and its Application in Design of Machine Tool with Numerical Control. Applied Mechanics and Materials, 0, 282, 74-79.	0.2	11
18	Study of the Workspace of Hybrid Mechanism Trivariant. Applied Mechanics and Materials, 0, 436, 366-373.	0.2	8

#	Article	IF	Citations
19	Design of ANTI-Collision System for Robotics. Applied Mechanics and Materials, 0, 325-326, 1071-1075.	0.2	2