

Vladimír Bulej

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

216
citations

1478505

6
h-index

1058476

14
g-index

21
all docs

21
docs citations

21
times ranked

210
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	A Novel Approach for a Inverse Kinematics Solution of a Redundant Manipulator. Applied Sciences (Switzerland), 2018, 8, 2229.	2.5	41
3	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
4	An overview of robot applications in automotive industry. Transportation Research Procedia, 2021, 55, 837-844.	1.5	25
5	Parallel Mechanism and its Application in Design of Machine Tool with Numerical Control. Applied Mechanics and Materials, 0, 282, 74-79.	0.2	11
6	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
7	Approach to Automated Visual Inspection of Objects Based on Artificial Intelligence. Applied Sciences (Switzerland), 2022, 12, 864.	2.5	10
8	Study of the Workspace of Hybrid Mechanism Trivariant. Applied Mechanics and Materials, 0, 436, 366-373.	0.2	8
9	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
10	Material Flow Improvement in Automated Assembly Lines Using Lean Logistics. Annals of DAAAM & Proceedings, 2011, , 0253-0254.	0.1	5
11	Modelling and Simulation of Machine Tool Prototype with 6DOF Parallel Mechanism in Matlab / Simulink. MATEC Web of Conferences, 2019, 254, 03002.	0.2	3
12	Analysis of Laser Sensors and Camera Vision in the Shoe Position Inspection System. Sensors, 2021, 21, 7531.	3.8	3
13	Analysis of Symmetrical/Asymmetrical Loading Influence of the Full-Suspension Downhill Bicycle'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
14	Design of ANTI-Collision System for Robotics. Applied Mechanics and Materials, 0, 325-326, 1071-1075.	0.2	2
15	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
16	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
17	Methods of Pre-Identification of TITO Systems. Applied Sciences (Switzerland), 2021, 11, 6954.	2.5	1
18	The mould for production of plastic spout cap with internal thread by injection moulding. MATEC Web of Conferences, 2018, 244, 01025.	0.2	0

#	ARTICLE	IF	CITATIONS
19	Conceptual Design and Simulation of Cable-driven Parallel Robot for Inspection and Monitoring Tasks. MATEC Web of Conferences, 2022, 357, 02024.	0.2	0