

Rajeevlochana G Chittawadigi

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

174
citations

1937685

4
h-index

1474206

9
g-index

32
all docs

32
docs citations

32
times ranked

99
citing authors

#	ARTICLE	IF	CITATIONS
1	Robot kinematics made easy using RoboAnalyzer software. Computer Applications in Engineering Education, 2017, 25, 669-680.	3.4	44
2	Identification of Denavit-Hartenberg Parameters of an Industrial Robot. , 2013, , .		22
3	Teaching and Learning of Robot Kinematics Using RoboAnalyzer Software. , 2013, , .		15
4	Kinematic Analysis and Development of Simulation Software for Nex Dexter Robotic Manipulator. Procedia Computer Science, 2018, 133, 660-667.	2.0	14
5	Hand Tracking in 3D Space using MediaPipe and PnP Method for Intuitive Control of Virtual Globe. , 2021, , .		14
6	RoboAnalyzer. , 2017, , .		12
7	Virtual Experiments for Integrated Teaching and Learning of Robot Mechanics Using RoboAnalyzer. Lecture Notes in Mechanical Engineering, 2016, , 59-68.	0.4	8
8	Soft Robotic Gripper for Agricultural Harvesting. Lecture Notes in Mechanical Engineering, 2022, , 1347-1353.	0.4	6
9	An analytical method to detect collision between cylinders using dual number algebra. , 2013, , .		5
10	A teach pendant to control virtual robots in Roboanalyzer. , 2016, , .		5
11	Kinematic analysis of MTAB robots and its integration with RoboAnalyzer software. , 2015, , .		4
12	Intuitive Control of Virtual Robots using Transformed Objects as Multiple Viewports. , 2019, , .		4
13	Two Degree-Of-Freedom Omni-Wheel Based Mobile Robot Platform for Translatory Motion. Lecture Notes in Mechanical Engineering, 2021, , 125-135.	0.4	2
14	Natural Control of Virtual Models of Mechanisms Using Leap Motion for Interactive Learning. Lecture Notes in Mechanical Engineering, 2022, , 1303-1309.	0.4	2
15	Effective Teaching and Learning of Homogenous Transformation Matrix using RoboAnalyzer Software. , 2019, , .		2
16	Design Analysis of an Industrial Robot under Development. , 2019, , .		2
17	Kinematic Analysis of Mechanisms using Velocity and Acceleration Diagrams (VAD) Module in MechAnalyzer Software. The Proceedings of the Asian Conference on Multibody Dynamics, 2016, 2016.8, 01_771082.	0.0	2
18	MechAnalyzer: Software to Teach Kinematics Concepts Related to Cams, Gears, and Instantaneous Center. Lecture Notes in Mechanical Engineering, 2021, , 135-149.	0.4	2

#	ARTICLE	IF	CITATIONS
19	Offline Simulation of Motion Planning of a Planar Manipulator in RoboAnalyzer and its Integration with a Physical Prototype. , 2021, , .		2
20	ACAM: A CNC Simulation Software for Effective Learning. Procedia Computer Science, 2018, 133, 823-830.	2.0	1
21	Interactive Image Projective Desktop and Screen Using Hand Tracking by Leap Motion. , 2021, , .		1
22	Twin-Plate Turbine Using Parallel Four-Bar Mechanisms. Lecture Notes in Mechanical Engineering, 2022, , 1503-1509.	0.4	0
23	Passive Balancing of a Novel 3-R Orientation Sensing Mechanism. The Proceedings of the Asian Conference on Multibody Dynamics, 2016, 2016.8, 36_771082.	0.0	0
24	An Efficient Methodology to Determine the Usability of Exoskeleton to Control a Serial Manipulator. Lecture Notes in Mechanical Engineering, 2021, , 405-418.	0.4	0
25	Development of A Technology Education Programme based on Self-Driven, Self-Learning and Self-Evaluating Approach. , 2021, , .		0
26	Workspace Analysis of Industrial Manipulators and its Effective Teaching in RoboAnalyzer. , 2021, , .		0
27	MechAnalyzer for Teaching of Kinematics of Linkage Mechanisms Through Simulations and Historical Context. Mechanisms and Machine Science, 2022, , 49-59.	0.5	0