

Bala Murali Gunji

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

267
citations

1040056

9
h-index

940533

16
g-index

23
all docs

23
docs citations

23
times ranked

138
citing authors

#	ARTICLE	IF	CITATIONS
1	An Optimal Robotic Assembly Sequence Planning by Assembly Subsets Detection Method Using Teaching Learning-Based Optimization Algorithm. IEEE Transactions on Automation Science and Engineering, 2018, 15, 1369-1385.	5.2	49
2	Assembly sequence planning using soft computing methods: A review. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2019, 233, 653-683.	2.5	46
3	A novel nature inspired 3D open lattice structure for specific energy absorption. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2022, 236, 2434-2440.	2.5	28
4	Optimal robotic assembly sequence planning using stability graph through stable assembly subset identification. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 5410-5430.	2.1	26
5	Ranking of Al-CSA composite by MCDM approach using AHP and TOPSIS and MOORA methods. Journal of Reinforced Plastics and Composites, 2020, 39, 721-732.	3.1	26
6	Hybridized genetic-immune based strategy to obtain optimal feasible assembly sequences. International Journal of Industrial Engineering Computations, 2017, , 333-346.	0.7	19
7	Optimal Assembly Sequence Planning Using Hybridized Immune-Simulated Annealing Technique. Materials Today: Proceedings, 2017, 4, 8313-8322.	1.8	12
8	Optimal disassembly sequence generation and disposal of parts using stability graph cut-set method for End of Life product. Sadhana - Academy Proceedings in Engineering Sciences, 2021, 46, 1.	1.3	10
9	Optimal Assembly Sequence Planning Towards Design for Assembly Using Simulated Annealing Technique. Smart Innovation, Systems and Technologies, 2017, , 397-407.	0.6	9
10	An Optimal Image Processing Method for Simultaneous Detection of Weld Seam Position and Weld Cap in Robotic Arc Welding. International Journal of Manufacturing, Materials, and Mechanical Engineering, 2018, 8, 37-53.	0.4	5
11	Robotic Optimal Assembly Sequence Using Improved Cuckoo Search Algorithm. Procedia Computer Science, 2018, 133, 323-330.	2.0	5
12	Energy Efficient Disassembly Sequence Generation Using Subassembly Detection Method with Environmental and Economic Parts Selection. Journal of Advanced Manufacturing Systems, 2018, 17, 353-373.	1.0	4
13	Effect of Considering Secondary Parts as Primary Parts for Robotic Assembly Using Stability Graph. Arabian Journal for Science and Engineering, 2020, 45, 743-764.	3.0	4
14	Kinematic and Dynamic Optimal Trajectory Planning of Industrial Robot Using Multi-objective Ant Lion Optimizer. Lecture Notes in Mechanical Engineering, 2020, , 1475-1486.	0.4	4
15	CAD-Based Automatic Clash Analysis for Robotic Assembly. International Journal of Mathematical, Engineering and Management Sciences, 2019, 4, 432-441.	0.7	4
16	Optimal time-jerk-torque trajectory planning of industrial robot under kinematic and dynamic constraints. , 2019, , .		3
17	Modified BAT Algorithm for Optimum Assembly Sequence Planning. IOP Conference Series: Materials Science and Engineering, 2018, 377, 012091.	0.6	2
18	Design Optimization of Robotic Gripper Links Using Accelerated Particle Swarm Optimization Technique. Advances in Intelligent Systems and Computing, 2018, , 337-345.	0.6	2

#	ARTICLE	IF	CITATIONS
19	A Novel Design for Assembly Approach for Modified Topology of Industrial Products. , 2017, , .		1
20	Preliminary Design and Fabrication of Bio-Inspired Low-Cost Hybrid Soft-Rigid Robotic Hand for Grasping Delicate Objects. , 2019, , .		0
21	Turbocharger rotor vibration reduction methodology with an active control scheme. Noise and Vibration Worldwide, 2021, 52, 347-355.	1.0	0