

Sumanta Panda

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

382
citations

933447

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839539

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42
all docs

42
docs citations

42
times ranked

352
citing authors

#	ARTICLE	IF	CITATIONS
1	A comprehensive study on multi-objective design optimization of spur gear. <i>Mechanics Based Design of Structures and Machines</i> , 2023, 51, 5272-5298.	4.7	5
2	A comparative study of meta-heuristics for local path planning of a mobile robot. <i>Engineering Optimization</i> , 2022, 54, 134-152.	2.6	18
3	Performance Analysis of Hybrid Ceramic Insert in Dry Turning of Hardened Tool Steel. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 15455-15476.	3.0	3
4	A multi-objective approach for local path planning of autonomous mobile robot based on metaheuristics. <i>Concurrency Computation Practice and Experience</i> , 2022, 34, .	2.2	3
5	Optimum Design of Profile Modified Spur Gear Using PSO. <i>Lecture Notes in Networks and Systems</i> , 2021, , 177-187.	0.7	3
6	A Study on Design Optimization of Spur Gear Set. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 629-641.	0.6	2
7	An approach for design optimization of 3R manipulator using Adaptive Cuckoo Search algorithm. <i>Mechanics Based Design of Structures and Machines</i> , 2020, 48, 773-798.	4.7	5
8	A study on mechanical and tribological behaviour of alumina filled AA5754 composites using Taguchi experimental design. <i>Materials Today: Proceedings</i> , 2020, 33, 5130-5135.	1.8	0
9	Particle Swarm Optimization and Machinability Aspects during Turning of Hardened D3 Steel. <i>Journal of Advanced Manufacturing Systems</i> , 2020, 19, 641-662.	1.0	1
10	WEDM microdrilling of 316L stainless steel orthopedic implant. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2020, 234, 3416-3435.	2.1	10
11	Modeling and Optimization of Rolling Process: A Multi-Objective Approach. <i>Journal of Advanced Manufacturing Systems</i> , 2020, 19, 343-364.	1.0	3
12	Laser micro drilling of 316L stainless steel orthopedic implant: A study. <i>Journal of Manufacturing Processes</i> , 2020, 52, 220-234.	5.9	16
13	A Multi-objective Approach to Study the Effects of Ball Race Conformity on Optimum Design of Rolling Element Bearing Using Metaheuristics. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 35-47.	0.6	0
14	Dry turning of AISI D3 steel using a mixed ceramic insert: A study. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2019, 233, 6698-6712.	2.1	5
15	A comparative study of stability characteristics of mahua and jatropha biodiesel and their blends. <i>Journal of King Saud University, Engineering Sciences</i> , 2019, 31, 184-190.	2.0	32
16	A Multiobjective Ideal Design of Rolling Element Bearing Using Metaheuristics. <i>Smart Innovation, Systems and Technologies</i> , 2018, , 21-31.	0.6	0
17	A multi objective optimum design approach for rolling element bearing. <i>International Journal on Interactive Design and Manufacturing</i> , 2018, 12, 1095-1108.	2.2	8
18	Prediction Of Surface Quality Using Chip Morphology With Nodal Temperature Signatures In Hard Turning Of AISI D3 Steel. <i>Materials Today: Proceedings</i> , 2018, 5, 12368-12375.	1.8	13

#	ARTICLE	IF	CITATIONS
19	Laser Beam Micro Drilling – a Review. Lasers in Manufacturing and Materials Processing, 2018, 5, 366-394.	2.2	21
20	Process Parameter Optimization of Hydrostatic Extrusion Using Metaheuristic. Journal of Advanced Manufacturing Systems, 2018, 17, 487-504.	1.0	1
21	An approach to weight optimization of a spur gear. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2017, 231, 189-202.	1.8	12
22	Analysis of properties and estimation of optimum blending ratio of blended mahua biodiesel. Engineering Science and Technology, an International Journal, 2017, 20, 511-517.	3.2	71
23	Multi Characteristics Optimization of Laser Drilling Process Parameter Using Fuzzy-TOPSIS Method. Materials Today: Proceedings, 2017, 4, 8538-8547.	1.8	10
24	An Artificial Neural Network Model for a Diesel Engine Fuelled with Mahua Biodiesel. Advances in Intelligent Systems and Computing, 2017, , 193-201.	0.6	3
25	Comparative study on optimum design of rolling element bearing. Tribology International, 2015, 92, 595-604.	5.9	18
26	Optimization of Multiple Response Characteristics of EDM Process Using Taguchi-Based Grey Relational Analysis and Modified PSO. Journal of Advanced Manufacturing Systems, 2015, 14, 123-148.	1.0	10
27	Multi objective optimization of EDM process parameters using fuzzy TOPSIS method. , 2015, , .		14
28	Multi Characteristics Optimization of Laser Drilling Process Parameter Using Grey Fuzzy Reasoning Method. Materials Today: Proceedings, 2015, 2, 1518-1532.	1.8	8
29	Revolute manipulator workspace optimization using a modified bacteria foraging algorithm: A comparative study. Engineering Optimization, 2014, 46, 181-199.	2.6	5
30	Revolute manipulator workspace optimization: A comparative study. Applied Soft Computing Journal, 2013, 13, 899-910.	7.2	11
31	ROBOT WORKSPACE OPTIMIZATION USING A NOVEL MODIFIED DIFFERENTIAL EVOLUTIONARY TECHNIQUE. International Journal of Computational Methods, 2012, 09, 1250034.	1.3	0
32	Determination of optimum parameters with multi-performance characteristics in laser drilling – A grey relational analysis approach. International Journal of Advanced Manufacturing Technology, 2011, 54, 957-967.	3.0	63
33	Optimization for Workspace Volume of 3R Robot Manipulator Using Modified Differential Evolution. Lecture Notes in Computer Science, 2010, , 111-118.	1.3	0
34	An appropriate tool for optimizing the workspace of 3R robot manipulator. , 2009, , .		2
35	An appropriate formulation for workspace cross section area of 3R robot manipulator. , 2009, , .		0
36	Test-Rigs for Dynamically Loaded Journal Bearing: A Study. , 2008, , .		2

#	ARTICLE	IF	CITATIONS
37	A Multi-Objective Optimum Design of Dynamically Loaded Journal Bearing for a Prescribed $\ddot{\epsilon}$ Extent Film. , 0, , .		1
38	Analysis and prediction of tool wear in dry turning of hardened D3 steel using hybrid insert: A novel wear map approach. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 0, , 095440542210762.	2.4	1