

#### Lenin Nagarajan

Professor, Department of Mechanical Engineering, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of

 All
 Since 2016

 Citations
 119
 91

 h-index
 6
 6

 i10-index
 4
 4

Facility layout design

Manufacturing Process Optimization and...

TITLE	CITED BY	YEAR
Selection of Components and Their Optimum Manufacturing Tolerance for Selective Assembly Technique Using Intelligent Water Drops Algorithm to Minimize Manufacturing Cost MS Kumar, N Lenin, D Rajamani Nature-Inspired Optimization in Advanced Manufacturing Processes and Systems		2020
Intelligent Fixture Layout Design for End Milling Process Using Artificial Neural Networks FMT Rex, D Ravindran, A Andrews, L Nagarajan Proceedings of ICDMC 2019, 211-225		2020
Application of artificial immune system algorithm for simultaneous minimisation of multiple objectives in single row facility layout problems L Nagarajan, SK Mahalingam, J Kandasamy, S Gurusamy International Journal of Industrial and Systems Engineering 36 (1), 49-72		2020
Free Vibration and Buckling Analysis of FG-CNT Plates L Nagarajan, IM Irfan Proceedings of ICDMC 2019, 263-275		2020
Investigation on corner accuracy in wire cut EDM of AISI D3 tool steel G Selvakumar, V Balasubramanian, N Lenin International Journal of Rapid Manufacturing 9 (1), 58-70	1	2020
Development, mechanical characterization and analysis of dry sliding wea behavior of AA6082–Metakaolin metal matrix composites RJ Bright, G Selvakumar, M Sumathi, N Lenin Materials Research Express 6 (12), 126516	r	2019
Effects of multi-pass cutting during wire electrical discharging G Selvakumar, V Balasubramanian, S Vijayan, N Lenin Materials Testing 61 (9), 901-906		2019
Thermal and electrical performance evaluation of PV/T collectors in Southern India N Lenin, P Sivamurugan, B Srimanickam, P Ramanan, M Siva Kumar International Journal of Ambient Energy, 1-7	1	2019
Experimental Studies on Different Proportions of CB-Filled Natural Rubber Composites with Precipitated Silica and Silica Gel V Chandran, N Lenin, T Maridurai, P Jawahar, G Vignesh, K Sunil Innovative Design, Analysis and Development Practices in Aerospace and		2019
Tolerance allocation of complex assembly with nominal dimension selection using Artificial Bee Colony algorithm D Vignesh Kumar, D Ravindran, N Lenin, M Siva Kumar Proceedings of the Institution of Mechanical Engineers, Part C: Journal of	7	2019

TITLE	CITED BY	YEAR
Experimental study on abrasive water jet machining of AA5083 in a range of thicknesses G Selvakumar, SSR Prakash, N Lenin International Journal of Abrasive Technology 8 (3), 218-231	9	2018
Solution for Bi-objective Single Row Facility Layout Problem using Artificial Bee Colony Algorithm SGVKD Lenin N, Siva Kumar M European Journal of Industrial Engineering 12 (2), 252-275	ıl 5	2018
Quantitative and Qualitative Analysis for Isochoric Heating Method during Pressure Development of Phase Change Process ISLN Sivamurugan P International Journal of Ambient Energy		2018
Evaluation of vibration damping behavior of different sizes of waste tyre rubber in natural rubber composites LNMRT V Chandran Journal of Composite Materials	5	2017
Multi-Objective Optimization of Nd:YAG Laser Cutting of Thin Ferritic Stainless Steel Sheet Using Grey Relational Analysis with Principal Component Analysis KVNL K. Velayutham, G. Selvakumar International Journal of Printing, Packaging & Allied Sciences 4 (5), 4037-4048		2016
Process Optimization and Estimation of Machining Performances in EDM of Al 7075 - WC Metal Matrix Composites Using Taguchi Method LNA Kumar 2nd International Conference on Thermal, Energy and Environment (INCOTEE 2016)		2016
Adoption of Outcome Based Education in Engineering Education during Transition Stage RD Lenin N 3rd World Summit on Accreditation (WOSA-2016), 275-281		2016
Prediction of workpiece elastic deformation using FEM based contact analysis F Rex, D Ravindran, N Lenin Applied Mechanics and Materials 852, 498-503	1	2016
Optimization Process Parameters of ECM by RSM on AISI 202 Steel L N International Conference on Advanced Design and Manufacturing (ICADM-2015)		2015
Study of Mechanical Properties and Wear Behavior of Al 2024-B4C-MoS2 Hybrid Composites R Lenin N		2014
International Conference on Advanced Design and Manufacturing (ICADM-2014)  A tabu search for multi-objective single row facility layout problem  N Lenin, M Siva Kumar, D Ravindran, MN Islam  Journal of Advanced Manufacturing Systems 13 (01), 17-40	16	2014

TITLE	CITED BY	YEAR
ETDEWEB/Search Results/Proceedings of the third international conference on recent advances in material processing technology: book o abstracts SL Mannan, K Manisekar, N Lenin, D Venkatkumar, P Ramanan	f	2013
ETDEWEB/Search Results/Proceedings of the nineteenth DAE-BRNS symposium and workshop on thermal analysis S Kannan, SK Sali, KA Dubey, YK Bhardwaj, S Bharadwaj,		2013
Multi-objective optimization in single-row layout design using a genetic algorithm N Lenin, MS Kumar, MN Islam, D Ravindran The International Journal of Advanced Manufacturing Technology 67 (5-8	21	2013
Proceedings of the third international conference on recent advances in material processing technology: book of abstracts SL Mannan, K Manisekar, N Lenin, D Venkatkumar, P Ramanan		2013
Decision Making in Multi-objective Facility Layout Design Selection Problem N Lenin, MS Kumar, D Ravindran, DV Kumar, MN Islam Journal of Manufacturing Engineering 8 (2), 105-113		2013
A simple heuristic for linear sequencing of machines in layout design MS Kumar, MN Islam, N Lenin, D Vignesh Kumar, D Ravindran International journal of production research 49 (22), 6749-6768	18	2011
Process parameter optimization in ARC welding of dissimilar metals N Lenin, M Sivakumar, D Vigneshkumar Science & Technology Asia, 1-7	28	2010
Optimum tolerance synthesis for complex assembly with alternative process selection using bottom curve follower approach MS Kumar, MN Islam, N Lenin, DV Kumar International Journal of Engineering 3 (4), 380-402	6	2009
Effect of Heat inputs on Microstructure and Hardness during the Welding of IS 1079:1994 Hot rolled Low Carbon steel SKTLN Maran P International Welding Symposium – IWS 2K5, 18-20	of	2005
More S Mandal, MA Green, S Natarajan		2004
Solution for Multi-Objective Single Pow Facility Layout Problem Using PS0	)	

#### Solution for Multi-Objective Single Row Facility Layout Problem Using PSO Algorithm

L Nagarajan, SK Mahalingam, G Selvakumar, J Kandasamy Data-Driven Optimization of Manufacturing Processes, 214-242

#### Proceedings of ICDMC 2019

LJ Yang, AN Haq, L Nagarajan

# Mechanical Investigation of Crane Hook using AISI 4340 Alloy Steel with Various Proportions of Vanadium

V Chandran, TM Raj, N Lenin, A Subramanian Journal of Automation and Automobile Engineering 4 (3) TITLE CITED BY YEAR

### Harmony search algorithm for simultaneous minimization of bi-objectives in multi-row parallel machine layout problem

1

N Lenin, M Siva Kumar Evolutionary Intelligence, 1-28

### Simultaneous minimization of objectives in single row facility layout problems

N Lenin Chennai

## Adoption of Outcome Based Education in Engineering Education during Transition Stage

D Ravindran, N Lenin

#### Abuagla Babiker Mohammed, Assoc. Prof. Dr. Sulaiman Mohd Nor.

MS Kumar, MN Islam, N Lenin, DV Kumar International Journal of Engineering 3 (4)