

# S Nallusamy

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

82

papers

667

citations

16

h-index

20

g-index

109

ext. papers

839

ext. citations

0.6

avg, IF

5.36

L-index

#	Paper	IF	Citations
82	Experimental Study and Analysis on Surface Integrity by Hardened Steel End Milling. <i>Lecture Notes in Mechanical Engineering</i> , <b>2022</b> , 381-385	0.4	
81	Characterization of Machining Parameters on Polymer Matrix Composite Using Taquchi Technique <b>2021</b> ,		
80	Execution of lean and industrial techniques for productivity enhancement in a manufacturing industry. <i>Materials Today: Proceedings</i> , <b>2021</b> , 37, 568-575	1.4	5
79	Experimental analysis of nanoparticles with cobalt oxide synthesized by coprecipitation method on electrochemical biosensor using FTIR and TEM. <i>Materials Today: Proceedings</i> , <b>2021</b> , 37, 728-732	1.4	3
78	Study of mineral content available in the brain of ten fishes from two fish landing centres in Tamilnadu and Andra Pradesh. <i>Materials Today: Proceedings</i> , <b>2021</b> , 37, 810-816	1.4	0
77	Enrichment of quality rate and output level in a medium scale manufacturing industry by implementation of appropriate quality tools. <i>Materials Today: Proceedings</i> , <b>2021</b> , 37, 817-822	1.4	1
76	Investigations on silicon nitride superimposed nanocoated cutting tool by physical vapour deposition and atomic force microscopy. <i>Applied Nanoscience (Switzerland)</i> , <b>2021</b> , 11, 1107-1115	3.3	2
75	Material Modeling of Epoxy Granite Composite by Analytical Model and Regression Analysis. <i>International Journal of Performability Engineering</i> , <b>2021</b> , 17, 253	0.8	1
74	Development of a Lean Manufacturing and SLP-based System for a Footwear Company <b>2020</b> ,		1
73	Performance assessment of DI diesel engine using waste transformer oil with different compression ratios. <i>International Journal of Ambient Energy</i> , <b>2020</b> , 1-9	2	3
72	Influence of boron nitride nano additives in cutting fluid for improving surface roughness with MRR. <i>International Journal of Nanomanufacturing</i> , <b>2020</b> , 16, 61	0.7	1
71	Study on Productivity Improvement in Medium Scale Manufacturing Industry by Execution of Lean Tools. <i>International Journal of Engineering Research in Africa</i> , <b>2020</b> , 48, 193-207	0.7	2
70	Analysis of Particle Damping Characteristics on Steel Vertical Machining Centre Column with Epoxy Reinforced Granite. <i>International Journal of Engineering Research in Africa</i> , <b>2020</b> , 50, 94-102	0.7	1
69	Symbiotic Outcomes of Potency and Microstructure on Nano Composite with Microsilica and Nanosilica Additives. <i>Journal of Nano Research</i> , <b>2019</b> , 57, 105-116	1	2
68	Experimental Analysis of Mechanical Properties on Concrete with Nano Silica Additive. <i>Journal of Nano Research</i> , <b>2019</b> , 57, 93-104	1	5
67	Study on Enhancement of Quality Level through a Lean Approach in an Original Equipment Manufacturer. <i>International Journal of Engineering Research in Africa</i> , <b>2019</b> , 43, 145-156	0.7	
66	Enhancement of Production in Subassembly Line of a Medium Scale Industry Using Different Lean Tools and Flexsim Simulation Software. <i>International Journal of Engineering Research in Africa</i> , <b>2019</b> , 44, 229-239	0.7	3

65	A Mixed-Integer Linear Programming Model of Closed Loop Supply Chain Network for Manufacturing System. <i>International Journal of Engineering Research in Africa</i> , <b>2018</b> , 35, 198-207	0.7	8
64	Efficiency Enhancement in a Medium Scale Gearbox Manufacturing Company through Different Lean Tools - A Case Study. <i>International Journal of Engineering Research in Africa</i> , <b>2018</b> , 34, 128-138	0.7	11
63	Lead Time Reduction through Execution of Lean Tool for Productivity Enhancement in Small Scale Industries. <i>International Journal of Engineering Research in Africa</i> , <b>2018</b> , 34, 116-127	0.7	8
62	Study on Leaf Segmentation Using K-Means and K-Medoid Clustering Algorithm for Identification of Disease. <i>Indian Journal of Public Health Research and Development</i> , <b>2018</b> , 9, 289	1.4	4
61	Wireless ECG Monitoring System using IoT based Signal Conditioning Module For Real Time Signal Acquisition. <i>Indian Journal of Public Health Research and Development</i> , <b>2018</b> , 9, 294	1.4	12
60	Design and Performance Analysis of Vehicle Tyre Pattern Material Using Finite Element Analysis and ANSYS R16.2. <i>Key Engineering Materials</i> , <b>2018</b> , 777, 426-431	0.4	2
59	Analysis on Vibration Characteristics of Wind Turbine Blade to Improve the Effectiveness through CFD Developed by ANSYS. <i>Materials Science Forum</i> , <b>2018</b> , 937, 43-50	0.4	1
58	Investigation on Structural Steel and Silicon Carbide Aluminum Metal Matrix Composite Spur Gears Using PTC Creo and ANSYS 16.0. <i>Materials Science Forum</i> , <b>2018</b> , 937, 33-41	0.4	0
57	Enhancement of Pass Percentage through Lean Six Sigma Approach in Degree Level Technical Educational Institutions. <i>International Journal of Engineering Research in Africa</i> , <b>2018</b> , 39, 191-201	0.7	0
56	Execution of Lean and ZF Production System in Manufacturing Line for Productivity Enrichment - A Case Study. <i>International Journal of Engineering Research in Africa</i> , <b>2018</b> , 40, 171-183	0.7	1
55	Design and Analysis of a Wind Turbine Blade with Dimples to Enhance the Efficiency through CFD with ANSYS R16.0. <i>MATEC Web of Conferences</i> , <b>2018</b> , 207, 02004	0.3	0
54	Study on Mechanical Properties of Mono Composite Steel Plate Cart Spring Using Pro Engineer and ANSYS R16.0. <i>International Journal of Engineering Research in Africa</i> , <b>2018</b> , 37, 13-22	0.7	3
53	Synthesis and Performance Characterization of Nanolubricants Proposed for Heavy Load Ball Bearing. <i>Journal of Nano Research</i> , <b>2018</b> , 54, 75-87	1	1
52	Optimization of Process Flow in an Assembly Line of Manufacturing Unit through Lean Tools Execution. <i>International Journal of Engineering Research in Africa</i> , <b>2018</b> , 38, 133-143	0.7	5
51	Characterization of Al <sub>2</sub> O <sub>3</sub> /Water Nanofluid through Shell and Tube Heat Exchangers over Parallel and Counter Flow. <i>Journal of Nano Research</i> , <b>2017</b> , 45, 155-163	1	22
50	Investigation of Microstructural and Hardness Properties of Al-Al <sub>2</sub> O <sub>3</sub> Nano Surface Composite. <i>Nano Hybrids and Composites</i> , <b>2017</b> , 15, 36-45	0.7	
49	Proposed Model for Inventory Review Policy through ABC Analysis in an Automotive Manufacturing Industry. <i>International Journal of Engineering Research in Africa</i> , <b>2017</b> , 29, 165-174	0.7	17
48	Implementation of Lean Tools in an Automotive Industry for Productivity Enhancement - A Case Study. <i>International Journal of Engineering Research in Africa</i> , <b>2017</b> , 29, 175-185	0.7	22

47	Manufacturing Enhancement through Reduction of Cycle Time using Different Lean Techniques. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 225, 012282	0.4	3
46	Investigation on Mechanical Properties of Coir Fiber Reinforced Polymer Resin Composites Saturated with Different Filling Agents. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 225, 012283	0.4	5
45	Effect on Aluminium Metal Matrix Composite Reinforced with Nano Sized Silica Particles. <i>Journal of Metastable and Nanocrystalline Materials</i> , <b>2017</b> , 29, 25-34	0.2	4
44	Experimental Analysis on Sliding Wear Behaviour of Aluminium-6063 with SiC Particulate Composites. <i>International Journal of Engineering Research in Africa</i> , <b>2017</b> , 31, 36-43	0.7	26
43	Synthesis and Wear Characterization of Reinforced Glass Fiber Polymer Composites with Epoxy Resin Using Granite Powder. <i>Journal of Nano Research</i> , <b>2017</b> , 49, 1-9	1	16
42	Investigation of Environmental Conditions Using Artificial Polluted Conditions for Selection of Insulator Material. <i>Advanced Engineering Forum</i> , <b>2017</b> , 24, 1-11	0.2	
41	Synthesis and Machining Characterization of Copper-Multiwalled Carbon Nanotubes-Graphene Hybrid Composite Using SEM and ANOVA. <i>Journal of Nano Research</i> , <b>2017</b> , 50, 105-115	1	8
40	Heat Transfer Enhancement Analysis of Al <sub>2</sub> O <sub>3</sub> -Water Nanofluid Through Parallel and Counter Flow in Shell and Tube Heat Exchangers. <i>International Journal of Nanoscience</i> , <b>2017</b> , 16, 1750020	0.6	12
39	Investigation on Mechanical Properties and Wear Behavior of Al-Si-SiC-Graphite Composite using SEM and EDAX. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 225, 012281	0.4	5
38	Enhancement of Overall Equipment Effectiveness using Total Productive Maintenance in a Manufacturing Industry <b>2017</b> ,		16
37	Enhancement of Productivity and Efficiency of CNC Machines in a Small Scale Industry Using Total Productive Maintenance. <i>International Journal of Engineering Research in Africa</i> , <b>2016</b> , 25, 119-126	0.7	26
36	Enhancement of Overall Output in a Small Scale Industry through VSM, Line Balancing and Work Standardization. <i>International Journal of Engineering Research in Africa</i> , <b>2016</b> , 26, 176-183	0.7	29
35	Study of Mechanical Properties on Bi-Directional E-Glass Fiber with Epoxy Resin Multi Walled CNT Nano Composite. <i>Nano Hybrids</i> , <b>2016</b> , 10, 14-19		1
34	Synthesis and Characterization of Carbon Nanofiber with Reinforced Polymer Resin Matrix Composite. <i>Nano Hybrids</i> , <b>2016</b> , 10, 20-27		2
33	Characterization of Epoxy Composites with TiO <sub>2</sub> Additives and E-Glass Fibers as Reinforcement Agent. <i>Journal of Nano Research</i> , <b>2016</b> , 40, 99-104	1	29
32	A Proposed Model for Sustaining Quality Assurance Using TQM Practices in Small and Medium Scale Industries. <i>International Journal of Engineering Research in Africa</i> , <b>2016</b> , 22, 184-190	0.7	16
31	Efficiency and Lifespan Enhancement of Product with Dissimilar Material using Different Techniques. <i>Indian Journal of Science and Technology</i> , <b>2016</b> , 9,	1	4
30	Performance Evaluation of Supply Chain and Logistics Management System using Balanced Score Card for Efficiency Enhancement in Indian Automotive Industries. <i>Indian Journal of Science and Technology</i> , <b>2016</b> , 9,	1	6

29	Overall Performance Improvement of an Small Scale Venture Using Critical Key Performance Indicators. <i>International Journal of Engineering Research in Africa</i> , <b>2016</b> , 27, 158-166	0.7	10
28	Lean Tools Implementation for Lead Time Reduction in CNC Shop Floor of an Automotive Component Manufacturing Industry. <i>Indian Journal of Science and Technology</i> , <b>2016</b> , 9,	1	1
27	Lean Tools Execution in a Small Scale Manufacturing Industry for Productivity Improvement- A Case Study. <i>Indian Journal of Science and Technology</i> , <b>2016</b> , 9,	1	18
26	Analysis of Wear Resistance, Cracks and Hardness of Metal Matrix Composites with SiC Additives and Al <sub>2</sub> O <sub>3</sub> as Reinforcement. <i>Indian Journal of Science and Technology</i> , <b>2016</b> , 9,	1	16
25	A Study on Characteristics of Parameters Influencing Internal Grinding Process with MRR. <i>Indian Journal of Science and Technology</i> , <b>2016</b> , 9,	1	5
24	An Optimized Model for Reduction of Cycle Time Using Value Stream Mapping in a Small Scale Industry. <i>International Journal of Engineering Research in Africa</i> , <b>2016</b> , 27, 179-189	0.7	6
23	Analysis of MRR and TWR on OHNS Die Steel with Different Electrodes Using Electrical Discharge Machining. <i>International Journal of Engineering Research in Africa</i> , <b>2016</b> , 22, 112-120	0.7	16
22	A Proposed Model for Lead Time Reduction during Maintenance of Public Passenger Transport Vehicles. <i>International Journal of Engineering Research in Africa</i> , <b>2016</b> , 23, 174-180	0.7	14
21	Frequency Analysis of Lean Manufacturing System by Different Critical Issues in Indian Automotive Industries. <i>International Journal of Engineering Research in Africa</i> , <b>2016</b> , 23, 181-187	0.7	22
20	Analysis of Mechanical Properties on Roselle Fibre with Polymer Matrix Reinforced Composite. <i>Advanced Engineering Forum</i> , <b>2016</b> , 16, 1-6	0.2	2
19	Thermal Conductivity Analysis and Characterization of Copper Oxide Nanofluids through Different Techniques. <i>Journal of Nano Research</i> , <b>2016</b> , 40, 105-112	1	27
18	MCDM Tools Application for Selection of Suppliers in Manufacturing Industries Using AHP, Fuzzy Logic and ANN. <i>International Journal of Engineering Research in Africa</i> , <b>2015</b> , 19, 130-137	0.7	25
17	Environmental Sustainability Evaluation for an Automobile Manufacturing Industry Using Multi-Grade Fuzzy Approach. <i>International Journal of Engineering Research in Africa</i> , <b>2015</b> , 19, 123-129	0.7	21
16	Analysis of Design Features for Inspection Robot Make Use of Concrete Structures - An Assessment. <i>International Journal of Engineering Research in Africa</i> , <b>2015</b> , 17, 74-81	0.7	3
15	Lean Manufacturing Implementation in a Gear Shaft Manufacturing Company Using Value Stream Mapping. <i>International Journal of Engineering Research in Africa</i> , <b>2015</b> , 21, 231-237	0.7	22
14	A Proposed Supply Chain Model for Productivity Enhancement in Medium Scale Foundry Industries. <i>International Journal of Engineering Research in Africa</i> , <b>2015</b> , 20, 248-258	0.7	8
13	Analysis of Welding Properties in FSW Aluminium 6351 Alloy Plates Added with Silicon Carbide Particles. <i>International Journal of Engineering Research in Africa</i> , <b>2015</b> , 21, 110-117	0.7	16
12	Analysis of Static Stress in an Alloy Wheel of the Passengercar. <i>International Journal of Engineering Research in Africa</i> , <b>2015</b> , 16, 17-25	0.7	23

11	X-Ray Diffraction and FESEM Analysis for Mixture of Hybrid Nanoparticles in Heat Transfer Applications. <i>Journal of Nano Research</i> , <b>2015</b> , 37, 58-67	1	15
10	Experimental Analysis on Vapour Compression Refrigeration System Using Nanolubricant with HFC-134a Refrigerant. <i>Nano Hybrids</i> , <b>2015</b> , 9, 33-43		10
9	Effect of Solvent Ether (DEE) on Internal Combustion Engine with J20 Optimum Characterized Bio-Diesel. <i>Applied Mechanics and Materials</i> , <b>2014</b> , 592-594, 1520-1525	0.3	1
8	A Proposed Agile Based Supply Chain Model for Poultry Based Products in India. <i>International Journal of Poultry Science</i> , <b>2014</b> , 14, 57-62	0.3	8
7	Investigation of Heat Transfer Enhancement Effect on Normal and Nano Coated Wick Structure Heat Pipes-A Comparative Assessment. <i>International Journal of Engineering Research in Africa</i> , <b>2014</b> , 51, 191-198	0.7	1
6	EXPERIMENTAL INVESTIGATION ON CERIUM OXIDE NANOPARTICLES WITH ALUMINA CATALYTIC CONVERTER TO INCREASE EMISSION CONVERSION EFFICIENCY IN AUTOMOBILES. <i>Rasayan Journal of Chemistry</i> ,	1.6	2
5	EXPERIMENTAL ANALYSIS ON NANOLUBRICANTS USED IN MULTI CYLINDER PETROL ENGINE WITH COPPER OXIDE AS NANOPARTICLE. <i>Rasayan Journal of Chemistry</i> ,	1.6	2
4	"EXPERIMENTAL ANALYSIS ON REINFORCED ALUMINIUM METAL MATRIX WITH BORON CARBIDE, GRAPHITE AND FLY ASH CHEMICAL COMPOSITES ". <i>Rasayan Journal of Chemistry</i> ,	1.6	3
3	"EXPERIMENTAL ANALYSIS OF ALUMINIUM ALLOY METAL MATRIX COMPOSITE WITH TUNGSTEN CARBIDE BY IN-SITU METHOD USING SEM ". <i>Rasayan Journal of Chemistry</i> ,	1.6	2
2	Analysis and comparison of thermal conductance and indoor air temperature on industrial slag with conventional bricks. <i>International Journal of Ambient Energy</i> , 1-14	2	2
1	Experimental Investigation of Mechanical Properties and Effect of Porosity on Epoxy Granite Composite. <i>Materials Science Forum</i> , 1042, 123-129	0.4	1