

# S Nallusamy

## List of Publications by Year in descending order

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104  
papers

1,040  
citations

1039406

9  
h-index

1058022

14  
g-index

109  
all docs

109  
docs citations

109  
times ranked

426  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal Conductivity Analysis and Characterization of Copper Oxide Nanofluids through Different Techniques. Journal of Nano Research, 0, 40, 105-112.	0.8	42
2	Enhancement of Overall Output in a Small Scale Industry through VSM, Line Balancing and Work Standardization. International Journal of Engineering Research in Africa, 0, 26, 176-183.	0.7	39
3	Implementation of Lean Tools in an Automotive Industry for Productivity Enhancement - A Case Study. International Journal of Engineering Research in Africa, 0, 29, 175-185.	0.7	39
4	Characterization of Epoxy Composites with TiO <sub>2</sub> Additives and E-Glass Fibers as Reinforcement Agent. Journal of Nano Research, 0, 40, 99-104.	0.8	37
5	MCDM Tools Application for Selection of Suppliers in Manufacturing Industries Using AHP, Fuzzy Logic and ANN. International Journal of Engineering Research in Africa, 2015, 19, 130-137.	0.7	36
6	Enhancement of Productivity and Efficiency of CNC Machines in a Small Scale Industry Using Total Productive Maintenance. International Journal of Engineering Research in Africa, 0, 25, 119-126.	0.7	32
7	Environmental Sustainability Evaluation for an Automobile Manufacturing Industry Using Multi-Grade Fuzzy Approach. International Journal of Engineering Research in Africa, 0, 19, 123-129.	0.7	31
8	Experimental Analysis on Sliding Wear Behaviour of Aluminium-6063 with SiC Particulate Composites. International Journal of Engineering Research in Africa, 0, 31, 36-43.	0.7	31
9	Lean Manufacturing Implementation in a Gear Shaft Manufacturing Company Using Value Stream Mapping. International Journal of Engineering Research in Africa, 0, 21, 231-237.	0.7	30
10	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. Indian Journal of Science and Technology, 2016, 9, .	0.5	28
11	Characterization of Al <sub>2</sub> O <sub>3</sub> /Water Nanofluid through Shell and Tube Heat Exchangers over Parallel and Counter Flow. Journal of Nano Research, 0, 45, 155-163.	0.8	28
12	Synthesis and Wear Characterization of Reinforced Glass Fiber Polymer Composites with Epoxy Resin Using Granite Powder. Journal of Nano Research, 0, 49, 1-9.	0.8	28
13	Analysis of Static Stress in an Alloy Wheel of the Passenger car. International Journal of Engineering Research in Africa, 0, 16, 17-25.	0.7	27
14	Enhancement of Overall Equipment Effectiveness using Total Productive Maintenance in a Manufacturing Industry. , 2017, , .		27
15	Lean Tools Execution in a Small Scale Manufacturing Industry for Productivity Improvement- A Case Study. Indian Journal of Science and Technology, 2016, 9, .	0.5	25
16	Frequency Analysis of Lean Manufacturing System by Different Critical Issues in Indian Automotive Industries. International Journal of Engineering Research in Africa, 0, 23, 181-187.	0.7	25
17	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. International Journal of Nanoscience, 2017, 16, 1750020.	0.4	25
18	Efficiency Enhancement in a Medium Scale Gearbox Manufacturing Company through Different Lean Tools - A Case Study. International Journal of Engineering Research in Africa, 0, 34, 128-138.	0.7	23

#	ARTICLE	IF	CITATIONS
19	Experimental Analysis of Mechanical Properties on Concrete with Nano Silica Additive. Journal of Nano Research, 0, 57, 93-104.	0.8	23
20	Analysis of MRR and TWR on OHNS Die Steel with Different Electrodes Using Electrical Discharge Machining. International Journal of Engineering Research in Africa, 0, 22, 112-120.	0.7	21
21	Proposed Model for Inventory Review Policy through ABC Analysis in an Automotive Manufacturing Industry. International Journal of Engineering Research in Africa, 0, 29, 165-174.	0.7	21
22	X-Ray Diffraction and FESEM Analysis for Mixture of Hybrid Nanoparticles in Heat Transfer Applications. Journal of Nano Research, 0, 37, 58-67.	0.8	20
23	A Proposed Model for Sustaining Quality Assurance Using TQM Practices in Small and Medium Scale Industries. International Journal of Engineering Research in Africa, 2016, 22, 184-190.	0.7	19
24	Analysis of Welding Properties in FSW Aluminium 6351 Alloy Plates Added with Silicon Carbide Particles. International Journal of Engineering Research in Africa, 2015, 21, 110-117.	0.7	18
25	Experimental Analysis on Vapour Compression Refrigeration System Using Nanolubricant with HFC-134a Refrigerant. Nano Hybrids, 0, 9, 33-43.	0.3	18
26	Wireless ECG Monitoring System using IoT based Signal Conditioning Module For Real Time Signal Acquisition. Indian Journal of Public Health Research and Development, 2018, 9, 294.	0.1	18
27	Lead Time Reduction through Execution of Lean Tool for Productivity Enhancement in Small Scale Industries. International Journal of Engineering Research in Africa, 0, 34, 116-127.	0.7	17
28	A Proposed Model for Lead Time Reduction during Maintenance of Public Passenger Transport Vehicles. International Journal of Engineering Research in Africa, 0, 23, 174-180.	0.7	16
29	A Proposed Supply Chain Model for Productivity Enhancement in Medium Scale Foundry Industries. International Journal of Engineering Research in Africa, 0, 20, 248-258.	0.7	15
30	A Proposed Agile Based Supply Chain Model for Poultry Based Products in India. International Journal of Poultry Science, 2014, 14, 57-62.	0.6	15
31	Overall Performance Improvement of an Small Scale Venture Using Critical Key Performance Indicators. International Journal of Engineering Research in Africa, 0, 27, 158-166.	0.7	14
32	Optimization of Process Flow in an Assembly Line of Manufacturing Unit through Lean Tools Execution. International Journal of Engineering Research in Africa, 0, 38, 133-143.	0.7	11
33	Experimental analysis of nanoparticles with cobalt oxide synthesized by coprecipitation method on electrochemical biosensor using FTIR and TEM. Materials Today: Proceedings, 2021, 37, 728-732.	0.9	11
34	An Optimized Model for Reduction of Cycle Time Using Value Stream Mapping in a Small Scale Industry. International Journal of Engineering Research in Africa, 2016, 27, 179-189.	0.7	10
35	Performance Evaluation of Supply Chain and Logistics Management System using Balanced Score Card for Efficiency Enhancement in Indian Automotive Industries. Indian Journal of Science and Technology, 2016, 9, .	0.5	9
36	Synthesis and Machining Characterization of Copper-Multiwalled Carbon Nanotubes-Graphene Hybrid Composite Using SEM and ANOVA. Journal of Nano Research, 0, 50, 105-115.	0.8	9

#	ARTICLE	IF	CITATIONS
37	Investigation on Mechanical Properties and Wear Behavior of Al-Si-SiC-Graphite Composite using SEM and EDAX. IOP Conference Series: Materials Science and Engineering, 2017, 225, 012281.	0.3	9
38	A Mixed-Integer Linear Programming Model of Closed Loop Supply Chain Network for Manufacturing System. International Journal of Engineering Research in Africa, 0, 35, 198-207.	0.7	9
39	Performance assessment of DI diesel engine using waste transformer oil with different compression ratios. International Journal of Ambient Energy, 2022, 43, 3536-3544.	1.4	9
40	A Study on Characteristics of Parameters Influencing Internal Grinding Process with MRR. Indian Journal of Science and Technology, 2016, 9, .	0.5	7
41	Execution of lean and industrial techniques for productivity enhancement in a manufacturing industry. Materials Today: Proceedings, 2021, 37, 568-575.	0.9	7
42	Analysis and comparison of thermal conductance and indoor air temperature on industrial slag with conventional bricks. International Journal of Ambient Energy, 2022, 43, 4555-4568.	1.4	7
43	Efficient Classification of Heart Disease using KMeans Clustering Algorithm. SSRG International Journal of Engineering Trends and Technology, 2020, 68, 48-53.	0.3	7
44	Investigation on Mechanical Properties of Coir Fiber Reinforced Polymer Resin Composites Saturated with Different Filling Agents. IOP Conference Series: Materials Science and Engineering, 2017, 225, 012283.	0.3	6
45	Performance Measurement on Inventory Management and Logistics Through Various Forecasting Techniques. International Journal of Performability Engineering, 2021, 17, 216.	0.6	6
46	Efficiency and Lifespan Enhancement of Product with Dissimilar Material using Different Techniques. Indian Journal of Science and Technology, 2016, 9, .	0.5	6
47	Implementation of a Lean Manufacturing and SLP- based system for a footwear company. Production, 0, 32, .	1.3	6
48	Analysis of Design Features for Inspection Robot Make Use of Concrete Structures - An Assessment. International Journal of Engineering Research in Africa, 0, 17, 74-81.	0.7	5
49	Synthesis and Characterization of Carbon Nanofiber with Reinforced Polymer Resin Matrix Composite. Nano Hybrids, 0, 10, 20-27.	0.3	5
50	Manufacturing Enhancement through Reduction of Cycle Time using Different Lean Techniques. IOP Conference Series: Materials Science and Engineering, 2017, 225, 012282.	0.3	5
51	Effect on Aluminium Metal Matrix Composite Reinforced with Nano Sized Silica Particles. Journal of Metastable and Nanocrystalline Materials, 2017, 29, 25-34.	0.1	5
52	Design and Performance Analysis of Vehicle Tyre Pattern Material Using Finite Element Analysis and ANSYS R16.2. Key Engineering Materials, 0, 777, 426-431.	0.4	5
53	Design and Analysis of a Wind Turbine Blade with Dimples to Enhance the Efficiency through CFD with ANSYS R16.0. MATEC Web of Conferences, 2018, 207, 02004.	0.1	5
54	Enhancement of Production in Subassembly Line of a Medium Scale Industry Using Different Lean Tools and Flexsim Simulation Software. International Journal of Engineering Research in Africa, 2019, 44, 229-239.	0.7	5

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55	Study on Productivity Improvement in Medium Scale Manufacturing Industry by Execution of Lean Tools. International Journal of Engineering Research in Africa, 0, 48, 193-207.	0.7	5
56	Analysis of Mechanical Properties on Roselle Fibre with Polymer Matrix Reinforced Composite. Advanced Engineering Forum, 2016, 16, 1-6.	0.3	4
57	Enhancement of Pass Percentage through Lean Six Sigma Approach in Degree Level Technical Educational Institutions. International Journal of Engineering Research in Africa, 0, 39, 191-201.	0.7	4
58	Execution of Lean and ZF Production System in Manufacturing Line for Productivity Enrichment - A Case Study. International Journal of Engineering Research in Africa, 0, 40, 171-183.	0.7	4
59	Symbiotic Outcomes of Potency and Microstructure on Nano Composite with Microsilica and Nanosilica Additives. Journal of Nano Research, 0, 57, 105-116.	0.8	4
60	Study on Leaf Segmentation Using K-Means and K-Medoid Clustering Algorithm for Identification of Disease. Indian Journal of Public Health Research and Development, 2018, 9, 289.	0.1	4
61	"EXPERIMENTAL ANALYSIS ON REINFORCED ALUMINIUM METAL MATRIX WITH BORON CARBIDE, GRAPHITE AND FLY ASH CHEMICAL COMPOSITES ". Rasayan Journal of Chemistry, 0, , .	0.2	4
62	Analysis on Vibration Characteristics of Wind Turbine Blade to Improve the Effectiveness through CFD Developed by ANSYS. Materials Science Forum, 0, 937, 43-50.	0.3	3
63	Study on Mechanical Properties of Mono Composite Steel Plate Cart Spring Using Pro Engineer and ANSYS R16.0. International Journal of Engineering Research in Africa, 2018, 37, 13-22.	0.7	3
64	Enrichment of quality rate and output level in a medium scale manufacturing industry by implementation of appropriate quality tools. Materials Today: Proceedings, 2021, 37, 817-822.	0.9	3
65	EXPERIMENTAL INVESTIGATION ON CERIUM OXIDE NANOPARTICLES WITH ALUMINA CATALYTIC CONVERTER TO INCREASE EMISSION CONVERSION EFFICIENCY IN AUTOMOBILES. Rasayan Journal of Chemistry, 0, , .	0.2	3
66	ANALYSIS OF PERFORMANCE, COMBUSTION AND EMISSION CHARACTERISTICS ON BIOFUEL OF NOVEL PINE OIL. Rasayan Journal of Chemistry, 0, , .	0.2	3
67	EXPERIMENTAL ANALYSIS ON NANOLUBRICANTS USED IN MULTI CYLINDER PETROL ENGINE WITH COPPER OXIDE AS NANOPARTICLE. Rasayan Journal of Chemistry, 0, , .	0.2	3
68	Investigation of Heat Transfer Enhancement Effect on Normal and Nano Coated Wick Structure Heat Pipes-A Comparative Assessment. International Journal of Engineering Research in Africa, 0, 51, 191-198.	0.7	3
69	A Review on Exploring the Deep Learning Concepts and Applications for Medical Diagnosis. SSRG International Journal of Engineering Trends and Technology, 2020, 68, 63-66.	0.3	3
70	Lean Tools Implementation for Lead Time Reduction in CNC Shop Floor of an Automotive Component Manufacturing Industry. Indian Journal of Science and Technology, 2016, 9, .	0.5	2
71	Investigation on Structural Steel and Silicon Carbide Aluminum Metal Matrix Composite Spur Gears Using PTC Creo and ANSYS 16.0. Materials Science Forum, 0, 937, 33-41.	0.3	2
72	Analysis of Particle Damping Characteristics on Steel Vertical Machining Centre Column with Epoxy Reinforced Granite. International Journal of Engineering Research in Africa, 2020, 50, 94-102.	0.7	2

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73	Investigations on silicon nitride superimposed nanocoated cutting tool by physical vapour deposition and atomic force microscopy. Applied Nanoscience (Switzerland), 2021, 11, 1107-1115.	1.6	2
74	Material Modeling of Epoxy Granite Composite by Analytical Model and Regression Analysis. International Journal of Performability Engineering, 2021, 17, 253.	0.6	2
75	A Genetic Algorithm based Protein signal Pathway Analysis. Indian Journal of Public Health Research and Development, 2018, 9, 402.	0.1	2
76	"EXPERIMENTAL ANALYSIS OF ALUMINIUM ALLOY METAL MATRIX COMPOSITE WITH TUNGSTEN CARBIDE BY IN-SITU METHOD USING SEM ". Rasayan Journal of Chemistry, 0, , .	0.2	2
77	Bio-Medical Waste Management System in Multi-Specialty Hospital Using Birnbaum's Measures-A Case Study. Indian Journal of Public Health Research and Development, 2018, 9, 283.	0.1	2
78	Impact of 1-Hexanol Fumigation on Diesel engine Emissions using Moringa Oleifera Biodiesel. SSRG International Journal of Engineering Trends and Technology, 2020, 68, 150-155.	0.3	2
79	Effect of Solvent Ether (DEE) on Internal Combustion Engine with J20 Optimum Characterized Bio-Diesel. Applied Mechanics and Materials, 0, 592-594, 1520-1525.	0.2	1
80	Study of Mechanical Properties on Bi-Directional E-Glass Fiber with Epoxy Resin Multi Walled CNT Nanocomposite. Nano Hybrids, 2016, 10, 14-19.	0.3	1
81	Synthesis and Performance Characterization of Nanolubricants Proposed for Heavy Load Ball Bearing. Journal of Nano Research, 2018, 54, 75-87.	0.8	1
82	Influence of boron nitride nano additives in cutting fluid for improving surface roughness with MRR. International Journal of Nanomanufacturing, 2020, 16, 61.	0.3	1
83	Study of mineral content available in the brain of ten fishes from two fish landing centres in Tamilnadu and Andra Pradesh. Materials Today: Proceedings, 2021, 37, 810-816.	0.9	1
84	An Improved Machine Learning Approach for Predicting Ischemic Stroke. SSRG International Journal of Engineering Trends and Technology, 2021, 69, 111-115.	0.3	1
85	Experimental Investigation of Mechanical Properties and Effect of Porosity on Epoxy Granite Composite. Materials Science Forum, 0, 1042, 123-129.	0.3	1
86	Development of Inventory Model for Health Care System in Multi-Speciality Hospitals Using Arena. Indian Journal of Public Health Research and Development, 2018, 9, 276.	0.1	1
87	Evaluation of Human Posture and Ergonomics by Appropriate Assessment Tool in a Medium Scale Manufacturing Industry. International Journal of Mechanical and Production Engineering Research and Development, 2020, 10, 861-872.	0.1	1
88	Development of a Lean Manufacturing and SLP-based System for a Footwear Company. , 2020, , .		1
89	Compound Feature Generation And Boosting Model For Cancer Gene Classification. SSRG International Journal of Engineering Trends and Technology, 2020, 68, 48-51.	0.3	1
90	A Review on Development of Effectiveness Evaluation in the Manufacturing System. SSRG International Journal of Engineering Trends and Technology, 2020, 68, 129-136.	0.3	1

#	ARTICLE	IF	CITATIONS
91	Investigation of Microstructural and Hardness Properties of Al-Al <sub>2</sub> O <sub>3</sub> Nano Surface Composite. Nano Hybrids and Composites, 2017, 15, 36-45.	0.8	0
92	Investigation of Environmental Conditions Using Artificial Polluted Conditions for Selection of Insulator Material. Advanced Engineering Forum, 0, 24, 1-11.	0.3	0
93	Study on Enhancement of Quality Level through a Lean Approach in an Original Equipment Manufacturer. International Journal of Engineering Research in Africa, 2019, 43, 145-156.	0.7	0
94	Improvement of Overall Performance by Implementation of Different Lean Tools - A Case Study. International Journal of Performability Engineering, 2021, 17, 804.	0.6	0
95	Study on Effectiveness of Internal and External Training to the Development of Employee in Corporate Sectors and Hospitals. Indian Journal of Public Health Research and Development, 2018, 9, 259.	0.1	0
96	Dimensions of preference towards organic products: An empirical study on consumer's perspective. Indian Journal of Public Health Research and Development, 2018, 9, 1950.	0.1	0
97	Investigation Study on Effective Tools for Conscripton of Various Industrial Applications. International Journal of Mechanical and Production Engineering Research and Development, 2018, 8, 1221-1230.	0.1	0
98	Study on Factors Affecting the Physical and Mental Health by Stress and emotional Crisis of Working Women. Indian Journal of Public Health Research and Development, 2018, 9, 335.	0.1	0
99	AUTHENTICATION STUDY ON CHARACTERISTICS OF SAFETY MANAGEMENT CUSTOMS IN CONSTRUCTION ENGINEERING. SSRG International Journal of Engineering Trends and Technology, 2020, 68, 75-79.	0.3	0
100	PREVALENT CULTURAL VALUES AND ITS EFFECT ON SAFETY ENGINEERING APPROACHES AND ACUTENESS IN CONSTRUCTION SITES-CHENNAI, INDIA. SSRG International Journal of Engineering Trends and Technology, 2020, 68, 80-84.	0.3	0
101	Characterization of Machining Parameters on Polymer Matrix Composite Using Taquchi Technique. , 2021, , .		0
102	An Empirical Analysis On Evaluation of Safety Attitudes And Perceptions of Civil Engineering And Construction Management Personnel. SSRG International Journal of Engineering Trends and Technology, 2020, 68, 74-80.	0.3	0
103	Testing of Active Vibration Control on Glass Fiber Reinforced Plastic (Gfrp) Wind Turbine Blade Using SMA and Lab View. , 2022, , .		0
104	Experimental Study on Reinforced Aluminium Metal Matrix Composites with B<sub>4</sub>C through Different Techniques. Materials Science Forum, 0, 1065, 59-68.	0.3	0