

# P Nagaraj

## List of Publications by Year in descending order

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50  
papers

578  
citations

759233

12  
h-index

642732

23  
g-index

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all docs

50  
docs citations

50  
times ranked

356  
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic pyrolysis of rice husk with nickel oxide nano particles: kinetic studies, pyrolytic products characterization and application in composite plates. Biomass Conversion and Biorefinery, 2024, 14, 2849-2866.	4.6	1
2	Dynamic Substructuring Method for Vibration Analysis of Complex Structures. Journal of Vibration Engineering and Technologies, 2022, 10, 313-333.	2.2	2
3	Promotion of bio oil, H <sub>2</sub> gas from the pyrolysis of rice husk assisted with nano silver catalyst and utilization of bio oil blend in CI engine. International Journal of Hydrogen Energy, 2020, 45, 16355-16371.	7.1	14
4	Enhanced recovery of H <sub>2</sub> gas from rice husk and its char enabled with nano catalytic pyrolysis/gasification. Microchemical Journal, 2019, 146, 922-930.	4.5	19
5	Characterization of SS/Al <sub>2</sub> O <sub>3</sub> functionally graded material coating by plasma spray technique on aluminum plate. Materials Research Express, 2019, 6, 066402.	1.6	3
6	Regression Modelling of Joining Aluminium Studs to Steel with AA 1100 Interlayer. Experimental Techniques, 2019, 43, 491-500.	1.5	5
7	Preparation and characterization of nano magnetic fluid for automotive applications. Archives of Materials Science and Engineering, 2019, 2, 67-73.	1.1	0
8	Preparation and characterization of nano magnetic fluid for automotive applications. Archives of Materials Science and Engineering, 2019, 2, 49-55.	1.1	1
9	Finite Element Modeling and Simulation of Condition Monitoring on Composite Materials Using Piezoelectric Transducers - ANSYS®. Materials Today: Proceedings, 2018, 5, 6684-6691.	1.8	12
10	Finite element modeling of smart piezoelectric beam using ANSYS®. Materials Today: Proceedings, 2018, 5, 7078-7085.	1.8	10
11	Characteristic study on Al7020 friction stir joints with various rotational speeds. International Journal of Computer Aided Engineering and Technology, 2018, 10, 703.	0.2	1
12	Characteristic study on Al7020 friction stir joints with various rotational speeds. International Journal of Computer Aided Engineering and Technology, 2018, 10, 703.	0.2	0
13	Joining of hybrid AA6063-6SiC p -3Gr p composite and AISI 1030 steel by friction welding. Defence Technology, 2017, 13, 338-345.	4.2	31
14	The influence of stiffeners on axial crushing of glass-fabric-reinforced epoxy composite shells. Journal of King Saud University, Engineering Sciences, 2017, 29, 91-101.	2.0	2
15	Investigation of structural integrity and corrosion behaviour of thermal barrier coating. International Journal of Materials and Product Technology, 2017, 55, 17.	0.2	0
16	Desalination technique using optimised solar still and solar foam. International Journal of Materials and Product Technology, 2017, 55, 156.	0.2	0
17	Numerical simulation and CFD analysis of a magnetorheological brake by magnetic induction equation method. International Journal of Materials and Product Technology, 2017, 55, 31.	0.2	0
18	Electromagnetic analysis of magnetorheological brakes. Journal of Achievements in Materials and Manufacturing Engineering, 2016, 76, 61-66.	0.6	2

#	ARTICLE	IF	CITATIONS
19	Finite Element Modelling and Simulation of Train Car Body Structure Using LS-Dyna. Applied Mechanics and Materials, 2015, 787, 270-274.	0.2	2
20	Correlation Study of IR TNDT Analysis with Structural Failure Modes of Carbon-Fabric-Reinforced Epoxy Composites. Journal of Engineered Fibers and Fabrics, 2015, 10, 155892501501000.	1.0	3
21	Optimised design for magnetorheological brake using DOE methods. International Journal of Energy Technology and Policy, 2015, 11, 394.	0.2	0
22	Finite element model updating of a space vehicle first stage motor based on experimental test results. Aerospace Science and Technology, 2015, 45, 422-430.	4.8	10
23	Fabrication and Characterization of Al-SiCp-Fly Ash Composite using Stir Casting Process. Concurrent Advances in Mechanical Engineering, 2015, 1, 19-29.	0.0	1
24	Design and Analysis of Magneto-Rheological Fluid Brake (MRB). Advanced Materials Research, 2014, 984-985, 634-640.	0.3	2
25	Thermal Analysis on Joining of Dissimilar Metals by Friction Stud Welding. Advanced Materials Research, 2014, 984-985, 592-595.	0.3	22
26	Numerical Simulation of Heat Flow in Friction Stud Welding of Dissimilar Metals. Arabian Journal for Science and Engineering, 2014, 39, 3217-3224.	1.1	42
27	Mathematical Model to Predict Heat Flow in Underwater Friction Stud Welding. Advanced Materials Research, 2014, 984-985, 596-599.	0.3	13
28	Mechanical Evaluation and Microstructure of Friction Stud Welded Aluminium-Mild steel Joints. Arabian Journal for Science and Engineering, 2014, 39, 5017-5023.	1.1	37
29	Ultrasonic evaluation of friction stud welded AA 6063/AISI 1030 steel joints. Materials & Design, 2014, 62, 118-123.	5.1	41
30	Static behaviour of Functionally Graded Material beam using Finite Element Method. , 2013, , .		4
31	Reducing the temperature of oil in journal bearings with the effect of magnetic field. , 2013, , .		0
32	Controller for friction stud welding machine. , 2013, , .		3
33	FINITE ELEMENT BASED THERMAL MODELING OF FRICTION WELDING OF DISSIMILAR MATERIALS. International Journal of Modern Physics Conference Series, 2013, 22, 196-202.	0.7	21
34	EVALUATION OF BENDING STRENGTH IN FRICTION WELDED ALUMINA/MILD STEEL JOINTS BY APPLYING FACTORIAL TECHNIQUE. International Journal of Modern Physics Conference Series, 2013, 22, 184-189.	0.7	10
35	NUMERICAL SIMULATION ON JOINING OF CERAMICS WITH METAL BY FRICTION WELDING TECHNIQUE. International Journal of Modern Physics Conference Series, 2013, 22, 190-195.	0.7	23
36	On the fabrication of carbon fabric reinforced epoxy composite shell without joints and wrinkling. Steel and Composite Structures, 2013, 15, 267-279.	1.3	2

#	ARTICLE	IF	CITATIONS
37	Investigation on Joining of Aluminum and Mild Steel by Friction Stud Welding. Materials and Manufacturing Processes, 2012, 27, 1409-1413.	4.7	61
38	Automatic Defect Classification in Ultrasonic NDT Using Artificial Intelligence. Journal of Nondestructive Evaluation, 2011, 30, 20-28.	2.4	129
39	Numerical Simulation of Laminar Heat Transfer in Aluminium Circular Tube With Internal Longitudinal Fins. International Journal of Modelling and Simulation, 2010, 30, 204-210.	3.3	2
40	Automatic detection of defects in ultrasonic testing using artificial neural network. International Journal of Microstructure and Materials Properties, 2010, 5, 561.	0.1	6
41	NUMERICAL SIMULATION OF LAMINAR HEAT TRANSFER IN ALUMINIUM CIRCULAR TUBE WITH INTERNAL LONGITUDINAL FINS. International Journal of Modelling and Simulation, 2010, 30, .	3.3	0
42	An experimental analysis of coal aluminium mixture in coal fired furnace. Journal of Thermal Analysis and Calorimetry, 2009, 98, 253-259.	3.6	4
43	An experimental analysis of a Y section exhaust manifold system with improved engine performance. International Journal of Product Development, 2008, 6, 50.	0.2	3
44	A Design Strategy for Volumetric Efficiency Improvement in a Multi-cylinder Stationary Diesel Engine and its Validity under Transient Engine Operation. American Journal of Applied Sciences, 2008, 5, 189-196.	0.2	4
45	Determination of Closed Form Solution for Acceptance Sampling Using ANN. Quality Assurance, 2005, 11, 43-61.	0.2	4
46	Function approximation of total system cost for a continuous manufacturing system. International Journal of Operations and Production Management, 2003, 23, 430-439.	5.9	2
47	Analysis of Optimum Batch Size in Multistage, Multifacility and Multiproduct Manufacturing Systems. International Journal of Advanced Manufacturing Technology, 2002, 19, 117-124.	3.0	5
48	Preparation of MR Fluid and Modeling of Magneto Rheological Fluid Brake (MRB). Applied Mechanics and Materials, 0, 592-594, 2254-2260.	0.2	0
49	Mathematical Modeling of Friction Plug Welding with Preheating Effect. Advanced Materials Research, 0, 984-985, 600-603.	0.3	18
50	Finite Element Studies on Lattice Conical Shell Structures Using LS-Dyna®. Applied Mechanics and Materials, 0, 787, 275-279.	0.2	1