

# D Palanisamy

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

582  
citations

759233

12  
h-index

713466

21  
g-index

34  
all docs

34  
docs citations

34  
times ranked

286  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Influence of wire-EDM textured conventional tungsten carbide inserts in machining of aerospace materials (Ti-6Al-4V alloy). <i>Materials and Manufacturing Processes</i> , 2019, 34, 103-111.      | 4.7 | 77        |
| 2  | Experimental investigation and optimization of process parameters in EDM of aluminium metal matrix composites. <i>Materials Today: Proceedings</i> , 2020, 22, 525-530.                            | 1.8 | 52        |
| 3  | Machinability Analysis and ANFIS modelling on Advanced Machining of Hybrid Metal Matrix Composites for Aerospace Applications. <i>Materials and Manufacturing Processes</i> , 2019, 34, 1866-1881. | 4.7 | 50        |
| 4  | Optimization on Turning Parameters of 15-5PH Stainless Steel Using Taguchi Based Grey Approach and Topsis. <i>Archive of Mechanical Engineering</i> , 2016, 63, 397-412.                           | 0.7 | 38        |
| 5  | Optimization of process parameters in Electrical Discharge Machining of Haste Alloy C276 using Taguchi's method. <i>Materials Today: Proceedings</i> , 2018, 5, 14432-14439.                       | 1.8 | 31        |
| 6  | Machinability analysis of high strength materials with Cryo-Treated textured tungsten carbide inserts. <i>Materials and Manufacturing Processes</i> , 2019, 34, 502-510.                           | 4.7 | 31        |
| 7  | Multi objective optimization of wire electrical discharge machining on Inconel 718 using Taguchi grey relational analysis. <i>Materials Today: Proceedings</i> , 2021, 39, 230-235.                | 1.8 | 31        |
| 8  | Development of ANFIS model and machinability study on dry turning of cryo-treated PH stainless steel with various inserts. <i>Materials and Manufacturing Processes</i> , 2017, 32, 654-669.       | 4.7 | 30        |
| 9  | The effect of aging on machinability of 15Cr-5Ni precipitation hardened stainless steel. <i>Archives of Civil and Mechanical Engineering</i> , 2016, 16, 53-63.                                    | 3.8 | 23        |
| 10 | Investigations on Wire Electrical Discharge Machining of Titanium Alloys by Taguchi's Grey Approach. <i>Lecture Notes in Mechanical Engineering</i> , 2022, , 359-368.                             | 0.4 | 20        |
| 11 | Experimental investigations on WEDM process for machining High Manganese steel. <i>Materials and Manufacturing Processes</i> , 2020, 35, 1612-1621.  | 4.7 | 19        |
| 12 | A Review of Challenges and Opportunities in Additive Manufacturing. <i>Lecture Notes in Mechanical Engineering</i> , 2022, , 23-29.  | 0.4 | 19        |
| 13 | Investigation on Ti6Al4V laser metal deposition using Taguchi based grey approach. <i>Materials Today: Proceedings</i> , 2018, 5, 14375-14383.   | 1.8 | 18        |
| 14 | Machinability Study of Laser Surface Treated 15-5 PH Stainless Steel. <i>Materials and Manufacturing Processes</i> , 2016, 31, 1755-1762.  | 4.7 | 16        |
| 15 | Development of neural network models for wire electrical discharge machining of Haste alloy. <i>Materials Today: Proceedings</i> , 2021, 39, 438-445.  | 1.8 | 16        |
| 16 | Investigations on machinability characteristics of Cast Aluminum Alloy based (LM 26+Graphite+Fly) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Processes, 2022, 37, 748-763.                               | 4.7 | 16        |
| 17 | Prediction of Performance Measures Using Multiple Regression Analysis for Wire Electrical Discharge Machining of Titanium Alloy. <i>Lecture Notes in Mechanical Engineering</i> , 2022, , 601-612. | 0.4 | 13        |
| 18 | Optimization and performance evaluation of PLA polymer material in situ carbon particles on structural properties. <i>Materials Today: Proceedings</i> , 2021, 39, 223-229.                        | 1.8 | 11        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | A comparative study on machinability of cryo-treated and peak aged 15Cr-5Ni precipitation hardened stainless steel. Measurement: Journal of the International Measurement Confederation, 2018, 116, 162-169.                       | 5.0 | 10        |
| 20 | Application of Grey-Fuzzy Approach for Optimization of CNC Turning Process. Materials Today: Proceedings, 2018, 5, 6645-6654.  | 1.8 | 9         |
| 21 | Experimental investigation on surface integrity during machining of AISI 420 steel with tungsten carbide insert. Materials Today: Proceedings, 2020, 22, 992-997.  | 1.8 | 7         |
| 22 | Performance evaluation of cryo-treated tungsten carbide inserts in machining PH stainless steel. Materials Today: Proceedings, 2020, 22, 487-491.  | 1.8 | 6         |
| 23 | Investigations and regression modeling on mechanical characterization of cast aluminum alloy based (LM 26+graphite+fly ash) hybrid metal matrix composites. International Journal on Interactive Design and Manufacturing, 0, , 1. |     | 6         |
| 24 | Performance Evaluation of Textured Inserts with MQL in Machining of PH Stainless Steel. Materials Today: Proceedings, 2021, 39, 279-284.   | 1.8 | 5         |
| 25 | Performance of Textured Tool with MQL in Machining of Precipitation Hardened Stainless Steel. Lecture Notes in Mechanical Engineering, 2022, , 39-50.  | 0.4 | 5         |
| 26 | Machinability Analysis and Optimization of Wire-EDM Textured Conventional Tungsten Carbide Inserts in Machining of 17 <sup>4</sup> PH Stainless Steel. Materials Today: Proceedings, 2021, 39, 359-367.                            | 1.8 | 4         |
| 27 | Development of Grey-ANFIS Model for Wire Electrical Discharge Machining of Al-GNP Composites. Materials Today: Proceedings, 2021, 39, 301-310.   | 1.8 | 4         |
| 28 | Performance comparison of artificial neural network and multiple regression models for wire electrical discharge machining of haste alloy. Materials Today: Proceedings, 2021, 39, 524-532.  | 1.8 | 1         |
| 29 | Investigations on Wire Electrical Discharge Machining of Magnesium Alloy AZ31B by Taguchi's Approach. Lecture Notes in Mechanical Engineering, 2022, , 923-931.  | 0.4 | 1         |