# Leo Dev Wins K

List of Publications by Year
in descending order



| 20 | 337 | 933447 10 | 888059 17 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 21 | 21 | 21 | 278 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Influence of turning parameters on the machinability of Al6061/ZrB2 & ZrC hybrid in-situ Aluminium Matrix Composite. Australian Journal of Mechanical Engineering, 2023, 21, 1218-1229. | 2.1 | 3 |
| 2 | Innovative potential of additive friction stir deposition among current laser based metal additive manufacturing processes: A review. CIRP Journal of Manufacturing Science and Technology, 2021, 32, 228-248. | 4.5 | 53 |
| 3 | Effect of post-reaction ultrasonic treatment on synthesis, microstructural evolution and mechanical behaviour of Al 4043/TiB2 in situ nanocomposites. Arabian Journal for Science and Engineering, 2021, 46, 7521-7531. | 3.0 | 5 |
| 4 | Prediction of Dry Sliding Wear Response of AlMg1SiCu/Silicon Carbide/Molybdenum Disulphide Hybrid Composites Using Adaptive Neuro-Fuzzy Inference System (ANFIS) and Response Surface Methodology (RSM). Arabian Journal for Science and Engineering, 2021, 46, 12045-12063. | 3.0 | 21 |
| 5 | Effect of nano cupric oxide coating on the forced convection performance of a mixed-mode flat plate solar dryer. Renewable Energy, 2020, 155, 1165-1172. | 8.9 | 34 |
| 6 | Experimental Investigation for the Multi-objective Optimization of Machining Parameters on AISI D2 Steel Using Particle Swarm Optimization Coupled with Artificial Neural Network. Journal of Advanced Manufacturing Systems, 2020, 19, 589-606. | 1.0 | 13 |
| 7 | Experimental investigation and characterization of in situ synthesized sub micron ZrB<sub>2</sub>-ZrC particles reinforced hybrid AA6061 aluminium composite. Materials Research Express, 2019, 6, 1050e1. | 1.6 | 2 |
| 8 | An experimental study on the prediction of grinding wheel dressing intervals by relating wheel loading and surface roughness. International Journal of Abrasive Technology, 2019, 9, 171. | 0.2 | 1 |
| 9 | Optimization of cutting parameters and prediction of surface roughness during hard turning of H13 steel with minimal vegetable oil based cutting fluid application using response surface methodology. IOP Conference Series: Materials Science and Engineering, 2019, 577, 012023. | 0.6 | 3 |
| 10 | Effect of tungsten carbide, silicon carbide and graphite particulates on the mechanical and microstructural characteristics of AA 5052 hybrid composites. Ceramics International, 2019, 45, 614-621. | 4.8 | 41 |
| 11 | Investigations on the Effect of Tungsten Carbide and Graphite Reinforcements during Spark Erosion Machining of Aluminium Alloy (AA 5052) Hybrid Composite. Silicon, 2018, 10, 2769-2781. | 3.3 | 19 |
| 12 | Integrated ANN-GA Approach For Predictive Modeling And Optimization Of Grinding Parameters With Surface Roughness As The Response. Materials Today: Proceedings, 2018, 5, 12133-12141. | 1.8 | 21 |
| 13 | Evaluation of the performance during hard turning of OHNS steel with minimal cutting fluid application and its comparison with minimum quantity lubrication. IOP Conference Series: Materials Science and Engineering, 2016, 149, 012021. | 0.6 | 7 |
| 14 | Quantitative Analysis of Grinding Wheel Loading Using Image Processing. Procedia Technology, 2016, 25, 885-891. | 1.1 | 18 |
| 15 | Comparison of surface roughness and chip characteristics obtained under different modes of lubrication during hard turning of AISI H13 tool work steel.. IOP Conference Series: Materials Science and Engineering, 2016, 149, 012017. | 0.6 | 5 |
| 16 | Surface Roughness Prediction using Artificial Neural Network in Hard Turning of AISI H13 Steel with Minimal Cutting Fluid Application. Procedia Engineering, 2014, 97, 205-211. | 1.2 | 54 |
| 17 | Optimization of Cutting Parameters and Fluid Application Parameters during Turning of OHNS Steel. Procedia Engineering, 2014, 97, 172-177. | 1.2 | 14 |
| 18 | Artificial Neural Network Assisted Sensor Fusion Model for Predicting Surface Roughness During Hard Turning of H13 Steel with Minimal Cutting Fluid Application. , 2014, 5, 2338-2346. | | 15 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Simulation of surface milling of hardened AISI4340 steel with minimal fluid application using artificial neural network. Advances in Production Engineering and Management, 2012, 7, 51-60. | 1.2 | 7 |
| 20 | Effect of Machining Parameters on Cutting Performance of DSS 2205 and SDSS 2507 Materials During Milling Operation. Journal of Advanced Manufacturing Systems, 0, , 1-16. | 1.0 | 0 |