# Raman Bedi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8168212/publications.pdf

Version: 2024-02-01

| 31 | 797 | 516215 16 | 500791 28 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 31 | 31 | 31 | 485 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Phase transformations and numerical modelling in simulated HAZ of nanostructured P91B steel for high temperature applications. Applied Nanoscience (Switzerland), 2018, 8, 1669-1685. | 1.6 | 102 |
| 2 | Composite materials based on recycled polyethylene terephthalate and their properties â€“ A comprehensive review. Composites Part B: Engineering, 2021, 219, 108928. | 5.9 | 84 |
| 3 | Mechanical Properties of Polymer Concrete. Journal of Composites, 2013, 2013, 1-12. | 0.8 | 82 |
| 4 | Adaptive neuro-fuzzy inference system in modelling fatigue life of multidirectional composite laminates. Computational Materials Science, 2008, 43, 1086-1093. | 1.4 | 68 |
| 5 | Fatigue-life distributions and failure probability for glass-fiber reinforced polymeric composites. Composites Science and Technology, 2009, 69, 1381-1387. | 3.8 | 53 |
| 6 | Evaluation of Occupational Environment in Two Textile Plants in Northern India with Specific Reference to Noise. Industrial Health, 2006, 44, 112-116. | 0.4 | 46 |
| 7 | Microstructural investigations on simulated intercritical heat-affected zone of boron modified P91-steel. Materials Science and Technology, 2020, 36, 1407-1418. | 0.8 | 40 |
| 8 | Effect of Boron Addition on Creep Strain during Impression Creep of P91 Steel. Journal of Materials Engineering and Performance, 2019, 28, 4128-4142. | 1.2 | 34 |
| 9 | Influence of ceramic Al<sub>2</sub>O<sub>3</sub> particulates on performance measures and surface characteristics during sinker EDM of stir cast AMMCs. World Journal of Engineering, 2019, 16, 526-538. | 1.0 | 32 |
| 10 | Mechanical properties of composite materials based on waste plastic â€“ A review. Materials Today: Proceedings, 2020, 26, 1293-1301. | 0.9 | 29 |
| 11 | Influence of boron on microstructure and mechanical properties of Gleeble simulated heat-affected zone in P91 steel. International Journal of Pressure Vessels and Piping, 2020, 188, 104246. | 1.2 | 27 |
| 12 | A novel approach to envisage effects of boron in P91 steels through Gleeble weld-HAZ simulation and impression-creep. Journal of Strain Analysis for Engineering Design, 2022, 57, 647-663. | 1.0 | 25 |
| 13 | Microwave joining of similar/dissimilar metals and its characterizations: A review. Materials Today: Proceedings, 2020, 26, 423-433. | 0.9 | 22 |
| 14 | Experimental study to measure the sound transmission loss of natural fibers at tonal excitations. Materials Today: Proceedings, 2020, 28, 1554-1559. | 0.9 | 22 |
| 15 | An experimental study to predict the exposure time for microwave based joining of different grades of stainless steel material. Materials Today: Proceedings, 2020, 27, 2449-2454. | 0.9 | 20 |
| 16 | Occupational Noise Exposure in Small Scale Hand Tools Manufacturing (Forging) Industry (SSI) in Northern India. Industrial Health, 2009, 47, 423-430. | 0.4 | 19 |
| 17 | Investigation of Impression Creep Deformation Behavior of Boron-Modified P91 Steel By High-End Characterization Techniques. Lecture Notes on Multidisciplinary Industrial Engineering, 2019, , 137-150. | 0.4 | 14 |
| 18 | Effect of Re-normalizing and Re-tempering on Inter-critical Heat Affected Zone(S) of P91B Steel. Lecture Notes on Multidisciplinary Industrial Engineering, 2020, , 255-270. | 0.4 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Effects of boron modifications on phase nucleation and dissolution temperatures and mechanical properties in 9%Cr steels: alloy design. Materials Research Express, 2019, 6, 1265k3. | 0.8 | 13 |
| 20 | EDM machinability and parametric optimisation of 2014Al/Al<SUB align="right">2O<SUB align="right">3 composite by RSM. International Journal of Machining and Machinability of Materials, 2018, 20, 536. | 0.1 | 11 |
| 21 | Flexural Fatigue-Life Assessment and Strength Prediction of Glass Fibre Reinforced Polymer Concrete Composites. ISRN Materials Science, 2014, 2014, 1-8. | 1.0 | 7 |
| 22 | Tensile properties of urea treated rice straw reinforced recycled polyethylene terephthalate composite materials. Materials Today: Proceedings, 2022, 56, 2151-2157. | 0.9 | 7 |
| 23 | Damping studies on fibre-reinforced epoxy polymer concrete using Taguchi design of experiments. International Journal of Materials Engineering Innovation, 2015, 6, 42. | 0.2 | 6 |
| 24 | A comparative study of interface material through selective microwave hybrid heating for joining metal plates. Materials Today: Proceedings, 2022, 65, 3117-3125. | 0.9 | 6 |
| 25 | The casting of materials using microwave energy: A review. Materials Today: Proceedings, 2020, 26, 1279-1283. | 0.9 | 5 |
| 26 | Adaptive neuro fuzzy inference system in modelling/detecting cracks and porosity using liquid penetrant test. International Journal of Experimental Design and Process Optimisation, 2016, 5, 117. | 0.1 | 3 |
| 27 | Adaptive neuro-fuzzy inference system in modelling damping performance of epoxy polymer concrete. International Journal of Materials Engineering Innovation, 2013, 4, 18. | 0.2 | 2 |
| 28 | Influence of process parameters on microwave joining of the similar/dissimilar materials: A review. Materials Today: Proceedings, 2022, , . | 0.9 | 2 |
| 29 | Experimental study of solar dryer used for drying chilly and ginger. AIP Conference Proceedings, 2019, , . | 0.3 | 1 |
| 30 | Mechanical Characterization of Epoxy Polymer Concrete Containing Fly Ash. Journal of Research Updates in Polymer Science, 0, , . | 0.3 | 1 |
| 31 | Flexural fatigue analysis of fibre reinforced polymer concrete composites under non-reversed loading. International Journal of Materials and Structural Integrity, 2020, 14, 1. | 0.1 | 0 |