

Raman Bedi

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

797
citations

516215

16
h-index

500791

28
g-index

31
all docs

31
docs citations

31
times ranked

485
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Tensile properties of urea treated rice straw reinforced recycled polyethylene terephthalate composite materials. Materials Today: Proceedings, 2022, 56, 2151-2157.	0.9	7
3	Influence of process parameters on microwave joining of the similar/dissimilar materials: A review. Materials Today: Proceedings, 2022, , .	0.9	2
4	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
5	Composite materials based on recycled polyethylene terephthalate and their properties – A comprehensive review. Composites Part B: Engineering, 2021, 219, 108928.	5.9	84
6	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
7	Microwave joining of similar/dissimilar metals and its characterizations: A review. Materials Today: Proceedings, 2020, 26, 423-433.	0.9	22
8	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
9	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
10	Experimental study to measure the sound transmission loss of natural fibers at tonal excitations. Materials Today: Proceedings, 2020, 28, 1554-1559.	0.9	22
11	The casting of materials using microwave energy: A review. Materials Today: Proceedings, 2020, 26, 1279-1283.	0.9	5
12	Microstructural investigations on simulated intercritical heat-affected zone of boron modified P91-steel. Materials Science and Technology, 2020, 36, 1407-1418.	0.8	40
13	Mechanical properties of composite materials based on waste plastic – A review. Materials Today: Proceedings, 2020, 26, 1293-1301.	0.9	29
14	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
15	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
16	Experimental study of solar dryer used for drying chilly and ginger. AIP Conference Proceedings, 2019, , .	0.3	1
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	Influence of ceramic Al ₂ O ₃ 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

#	ARTICLE	IF	CITATIONS
19	Effects of boron modifications on phase nucleation and dissolution temperatures and mechanical properties in 9%Cr steels: alloy design. <i>Materials Research Express</i> , 2019, 6, 1265k3.	0.8	13
20	EDM machinability and parametric optimisation of 2014Al/Al₂O₃ composite by RSM. <i>International Journal of Machining and Machinability of Materials</i> , 2018, 20, 536.	0.1	11
21	Phase transformations and numerical modelling in simulated HAZ of nanostructured P91B steel for high temperature applications. <i>Applied Nanoscience (Switzerland)</i> , 2018, 8, 1669-1685.	1.6	102
22	Adaptive neuro fuzzy inference system in modelling/detecting cracks and porosity using liquid penetrant test. <i>International Journal of Experimental Design and Process Optimisation</i> , 2016, 5, 117.	0.1	3
23	Damping studies on fibre-reinforced epoxy polymer concrete using Taguchi design of experiments. <i>International Journal of Materials Engineering Innovation</i> , 2015, 6, 42.	0.2	6
24	Flexural Fatigue-Life Assessment and Strength Prediction of Glass Fibre Reinforced Polymer Concrete Composites. <i>ISRN Materials Science</i> , 2014, 2014, 1-8.	1.0	7
25	Adaptive neuro-fuzzy inference system in modelling damping performance of epoxy polymer concrete. <i>International Journal of Materials Engineering Innovation</i> , 2013, 4, 18.	0.2	2
26	Mechanical Properties of Polymer Concrete. <i>Journal of Composites</i> , 2013, 2013, 1-12.	0.8	82
27	Occupational Noise Exposure in Small Scale Hand Tools Manufacturing (Forging) Industry (SSI) in Northern India. <i>Industrial Health</i> , 2009, 47, 423-430.	0.4	19
28	Fatigue-life distributions and failure probability for glass-fiber reinforced polymeric composites. <i>Composites Science and Technology</i> , 2009, 69, 1381-1387.	3.8	53
29	Adaptive neuro-fuzzy inference system in modelling fatigue life of multidirectional composite laminates. <i>Computational Materials Science</i> , 2008, 43, 1086-1093.	1.4	68
30	Evaluation of Occupational Environment in Two Textile Plants in Northern India with Specific Reference to Noise. <i>Industrial Health</i> , 2006, 44, 112-116.	0.4	46
31	Mechanical Characterization of Epoxy Polymer Concrete Containing Fly Ash. <i>Journal of Research Updates in Polymer Science</i> , 0, , .	0.3	1