

Raju Rajendran

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

936
citations

623734

14
h-index

677142

22
g-index

22
all docs

22
docs citations

22
times ranked

665
citing authors

#	ARTICLE	IF	CITATIONS
1	Gas turbine coatings – An overview. <i>Engineering Failure Analysis</i> , 2012, 26, 355-369.	4.0	240
2	Blast loaded plates. <i>Marine Structures</i> , 2009, 22, 99-127.	3.8	123
3	Deformation and fracture behaviour of plate specimens subjected to underwater explosion – a review. <i>International Journal of Impact Engineering</i> , 2006, 32, 1945-1963.	5.0	87
4	Microstructural and mechanical characterization of Ti6Al4V refurbished parts obtained by laser metal deposition. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 643, 64-71.	5.6	78
5	Microstructure and properties of inconel 718 and AISI 416 laser welded joints. <i>Journal of Materials Processing Technology</i> , 2019, 266, 52-62.	6.3	63
6	Damage prediction of clamped circular plates subjected to contact underwater explosion. <i>International Journal of Impact Engineering</i> , 2001, 25, 373-386.	5.0	57
7	Linear elastic shock response of plane plates subjected to underwater explosion. <i>International Journal of Impact Engineering</i> , 2001, 25, 493-506.	5.0	56
8	Developing empirical relationships to estimate porosity and microhardness of plasma-sprayed YSZ coatings. <i>Ceramics International</i> , 2014, 40, 3171-3183.	4.8	49
9	Performance Evaluation of HSLA Steel Subjected to Underwater Explosion. <i>Journal of Materials Engineering and Performance</i> , 2001, 10, 66-74.	2.5	36
10	Reloading effects on plane plates subjected to non-contact underwater explosion. <i>Journal of Materials Processing Technology</i> , 2008, 206, 275-281.	6.3	22
11	Developing empirical relationships to estimate porosity and Young's modulus of plasma sprayed YSZ coatings. <i>Applied Surface Science</i> , 2014, 296, 31-46.	6.1	21
12	A Shock Factor Based Approach for the Damage Assessment of Plane Plates Subjected to Underwater Explosion. <i>Journal of Strain Analysis for Engineering Design</i> , 2006, 41, 417-425.	1.8	17
13	Underwater Shock Response of Circular HSLA Steel Plates. <i>Shock and Vibration</i> , 2000, 7, 251-262.	0.6	16
14	OF UNDERWATER EXPLOSION EXPERIMENTS ON PLANE PLATES. <i>Experimental Techniques</i> , 2007, 31, 18-24.	1.5	16
15	Effect of Continuous and Pulsed Current GTA Welding on the Performance of Dissimilar Welds Involving Aerospace Grade Alloys. <i>Transactions of the Indian Institute of Metals</i> , 2017, 70, 729-739.	1.5	14
16	Design of warship plates against underwater explosions. <i>Ships and Offshore Structures</i> , 2006, 1, 347-356.	1.9	12
17	Effective shock factors for the inelastic damage prediction of clamped plane plates subjected to non-contact underwater explosion. <i>Journal of Strain Analysis for Engineering Design</i> , 2009, 44, 211-220.	1.8	10
18	Condition assessment of gas turbine blades and coatings. <i>Engineering Failure Analysis</i> , 2011, 18, 2104-2110.	4.0	8

#	ARTICLE	IF	CITATIONS
19	Vertical impact shock response of a cask model on a rigid unyielding surface. International Journal of Impact Engineering, 2005, 31, 307-325.	5.0	7
20	AXIAL IMPACT STUDIES ON STEEL TUBES AND ZIRCALOY ROD. Experimental Techniques, 2009, 33, 17-22.	1.5	2
21	Rootcause analysis of discoloration of platinum aluminide coated DS CM 247LC high pressure nozzle guide vane of an aero-engine. Engineering Failure Analysis, 2014, 45, 387-397.	4.0	1
22	An investigation into the cracking of platinum aluminide coated directionally solidified CM247 LC high pressure nozzle guide vanes of an aero engine. Engineering Failure Analysis, 2018, 94, 24-32.	4.0	1