

# Raju Rajendran

## List of Publications by Year in descending order

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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	Microstructure and properties of inconel 718 and AISI 416 laser welded joints. Journal of Materials Processing Technology, 2019, 266, 52-62.	6.3	63
2	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
3	Effect of Continuous and Pulsed Current GTA Welding on the Performance of Dissimilar Welds Involving Aerospace Grade Alloys. Transactions of the Indian Institute of Metals, 2017, 70, 729-739.	1.5	14
4	Microstructural and mechanical characterization of Ti6Al4V refurbished parts obtained by laser metal deposition. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 643, 64-71.	5.6	78
5	Developing empirical relationships to estimate porosity and microhardness of plasma-sprayed YSZ coatings. Ceramics International, 2014, 40, 3171-3183.	4.8	49
6	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
7	Developing empirical relationships to estimate porosity and Young's modulus of plasma sprayed YSZ coatings. Applied Surface Science, 2014, 296, 31-46.	6.1	21
8	Gas turbine coatings – An overview. Engineering Failure Analysis, 2012, 26, 355-369.	4.0	240
9	Condition assessment of gas turbine blades and coatings. Engineering Failure Analysis, 2011, 18, 2104-2110.	4.0	8
10	Effective shock factors for the inelastic damage prediction of clamped plane plates subjected to non-contact underwater explosion. Journal of Strain Analysis for Engineering Design, 2009, 44, 211-220.	1.8	10
11	AXIAL IMPACT STUDIES ON STEEL TUBES AND ZIRCALOY ROD. Experimental Techniques, 2009, 33, 17-22.	1.5	2
12	Blast loaded plates. Marine Structures, 2009, 22, 99-127.	3.8	123
13	Reloading effects on plane plates subjected to non-contact underwater explosion. Journal of Materials Processing Technology, 2008, 206, 275-281.	6.3	22
14	OF UNDERWATER EXPLOSION EXPERIMENTS ON PLANE PLATES. Experimental Techniques, 2007, 31, 18-24.	1.5	16
15	Deformation and fracture behaviour of plate specimens subjected to underwater explosion – a review. International Journal of Impact Engineering, 2006, 32, 1945-1963.	5.0	87
16	A Shock Factor Based Approach for the Damage Assessment of Plane Plates Subjected to Underwater Explosion. Journal of Strain Analysis for Engineering Design, 2006, 41, 417-425.	1.8	17
17	Design of warship plates against underwater explosions. Ships and Offshore Structures, 2006, 1, 347-356.	1.9	12
18	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

#	ARTICLE	IF	CITATIONS
19	Damage prediction of clamped circular plates subjected to contact underwater explosion. International Journal of Impact Engineering, 2001, 25, 373-386.	5.0	57
20	Linear elastic shock response of plane plates subjected to underwater explosion. International Journal of Impact Engineering, 2001, 25, 493-506.	5.0	56
21	Performance Evaluation of HSLA Steel Subjected to Underwater Explosion. Journal of Materials Engineering and Performance, 2001, 10, 66-74.	2.5	36
22	Underwater Shock Response of Circular HSLA Steel Plates. Shock and Vibration, 2000, 7, 251-262.	0.6	16