

Sarvesh Pal

List of Publications by Year in descending order

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15
papers

242
citations

1163117

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docs citations

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times ranked

143
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of role of alloy microstructure in hydrogen-assisted fracture of AISI 4340 steel using circumferentially notched cylindrical specimens. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 698, 191-197.	5.6	16
2	Early stages of rail squat formation and the role of a white etching layer. <i>International Journal of Fatigue</i> , 2013, 52, 144-156.	5.7	51
3	Rail squats: progress in understanding the Australian experience. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2013, 227, 481-492.	2.0	8
4	Stress intensity factors around a 3D squat form crack and prediction of crack growth direction considering water entrapment and elastic foundation. <i>Engineering Fracture Mechanics</i> , 2012, 94, 37-55.	4.3	24
5	Revisiting Stress Corrosion Cracking of Steel in Caustic Solutions for Developing Cracking Susceptibility Diagrams for Improved Applicability. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012, 43, 1944-1955.	2.2	1
6	Circumventing Practical Difficulties in Determination of Threshold Stress Intensity for Stress Corrosion Cracking of Narrow Regions of Welded Structures. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012, 43, 3202-3214.	2.2	4
7	Surface damage on new AS60 rail caused by wheel slip. <i>Engineering Failure Analysis</i> , 2012, 22, 152-165.	4.0	50
8	Studying the effect of sensitization on the threshold stress intensity and crack growth for chloride stress corrosion cracking of austenitic stainless steel using circumferential notch tensile technique. <i>Engineering Fracture Mechanics</i> , 2012, 82, 158-171.	4.3	6
9	Metallurgical and physical understanding of rail squat initiation and propagation. <i>Wear</i> , 2012, 284-285, 30-42.	3.1	32
10	Role of Bayer solution concentration and temperature in stress corrosion cracking susceptibility of steel. <i>Corrosion Science</i> , 2011, 53, 2660-2669.	6.6	5
11	A Simple Approach to the Determination of Threshold Stress Intensity for Stress Corrosion Cracking (K ISCC) and Crack Growth of Sensitized Austenitic Stainless Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2011, 42, 2643-2651.	2.2	3
12	Threshold stress intensity factor and crack growth rate for stress corrosion cracking of simulated heat affected zone in caustic solution. <i>Engineering Fracture Mechanics</i> , 2011, 78, 13-26.	4.3	10
13	Investigations Using Smooth and Notched Specimens into Validity of Caustic Cracking Susceptibility Diagram. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2010, 41, 2328-2336.	2.2	3
14	Determination of threshold stress intensity for chloride stress corrosion cracking of solution-annealed and sensitized austenitic stainless steel by circumferential notch tensile technique. <i>Corrosion Science</i> , 2010, 52, 1985-1991.	6.6	12
15	Determination of threshold stress intensity factor for stress corrosion cracking (KISCC) of steel heat affected zone. <i>Corrosion Science</i> , 2009, 51, 2443-2449.	6.6	17