

# Sarvesh Pal

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11335226/publications.pdf>

Version: 2024-02-01

15  
papers

242  
citations

1163117

8  
h-index

996975

15  
g-index

15  
all docs

15  
docs citations

15  
times ranked

143  
citing authors

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