

# P Gandhi

## List of Publications by Year in descending order

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25  
papers

337  
citations

933447

10  
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839539

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25  
all docs

25  
docs citations

25  
times ranked

199  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ratcheting failure of pressurised straight pipes and elbows under reversed bending. International Journal of Pressure Vessels and Piping, 2013, 105-106, 79-89.	2.6	42
2	Fatigue crack growth in stiffened steel tubular joints in seawater environment. Engineering Structures, 2000, 22, 1390-1401.	5.3	40
3	Structural Efficiency of Internally Ring- Stiffened Steel Tubular Joints. Journal of Structural Engineering, 1992, 118, 3016-3035.	3.4	36
4	Crack initiation and growth behaviour of circumferentially cracked pipes under cyclic and monotonic loading. International Journal of Pressure Vessels and Piping, 2003, 80, 629-640.	2.6	33
5	Use of acoustic emission and ultrasonic techniques for monitoring crack initiation/growth during ratcheting studies on 304LN stainless steel straight pipe. International Journal of Pressure Vessels and Piping, 2014, 116, 27-36.	2.6	28
6	Fatigue ratcheting studies on TP304 LN stainless steel straight pipes. Procedia Engineering, 2010, 2, 2209-2218.	1.2	26
7	Fatigue Behavior of Internally Ring-Stiffened Welded Steel Tubular Joints. Journal of Structural Engineering, 2000, 126, 809-815.	3.4	24
8	Predictions for fatigue crack growth life of cracked pipes and pipe welds using RMS SIF approach and experimental validation. International Journal of Pressure Vessels and Piping, 2011, 88, 384-394.	2.6	18
9	Fatigue Crack Growth Behavior in Pipes and Elbows of Carbon Steel and Stainless Steel Materials. Procedia Engineering, 2013, 55, 703-709.	1.2	13
10	Fatigue studies on carbon steel piping materials and components: Indian PHWRs. Nuclear Engineering and Design, 2008, 238, 801-813.	1.7	12
11	Quasi-cyclic fracture studies on stainless steel welded straight pipes with circumferential through-wall crack in the weld. International Journal of Pressure Vessels and Piping, 2017, 149, 33-42.	2.6	8
12	Prediction of fatigue crack initiation life in SA312 Type 304LN austenitic stainless steel straight pipes with notch. Nuclear Engineering and Technology, 2022, 54, 1588-1596.	2.3	8
13	Ratcheting Studies on Type 304LN Stainless Steel Elbows subjected to Combined Internal Pressure and In-Plane Bending Moment. Journal of Pressure Vessel Technology, Transactions of the ASME, 2012, 134, .	0.6	7
14	Ratcheting Strain Assessment in Pressurised Stainless Steel Elbows Subjected to In-plane Bending. Procedia Engineering, 2013, 55, 666-670.	1.2	7
15	Crack growth analysis and remaining life prediction of dissimilar metal pipe weld joint with circumferential crack under cyclic loading. Nuclear Engineering and Technology, 2020, 52, 2949-2957.	2.3	7
16	Fracture investigations on piping system having large through-wall circumferential crack. International Journal of Pressure Vessels and Piping, 2011, 88, 223-230.	2.6	6
17	Fracture studies on narrow gap welded SA 312 Type 304LN stainless steel straight pipes under quasi-cyclic loading. International Journal of Pressure Vessels and Piping, 2019, 174, 32-41.	2.6	5
18	Studies on the effect of compliance on fracture behaviour of carbon steel pipes with circumferential through-wall crack. International Journal of Pressure Vessels and Piping, 2012, 89, 67-74.	2.6	4

#	ARTICLE	IF	CITATIONS
19	Experimental fracture studies on carbon steel elbows with and without internal pressure. International Journal of Pressure Vessels and Piping, 2013, 111-112, 262-268.	2.6	3
20	Cyclic Fracture, FCG and Ratcheting Studies on Type 304LN Stainless Steel Straight Pipes and Elbows. Procedia Engineering, 2013, 55, 693-698.	1.2	3
21	Fatigue Crack Growth Studies on Power Plant Piping Materials under Corrosive Environment. Procedia Structural Integrity, 2019, 14, 482-490.	0.8	3
22	Effect of dissimilar metal SENB specimen width and crack length on stress intensity factor. Nuclear Engineering and Technology, 2020, 52, 1579-1586.	2.3	2
23	Fracture studies on carbon steel elbows having part-through notch with and without internal pressure. International Journal of Pressure Vessels and Piping, 2016, 138, 19-30.	2.6	1
24	Fracture studies on carbon steel straight pipes having off-centred circumferential through-wall crack under finite compliance. International Journal of Pressure Vessels and Piping, 2020, 182, 104077.	2.6	1
25	Fatigue Life of Cathodically Protected Tubular Joints of Offshore Structures. Journal of Offshore Mechanics and Arctic Engineering, 1998, 120, 232-236.	1.2	0