

# Thomas Nitschke-Pagel

## List of Publications by Year in descending order

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30  
papers

344  
citations

840776

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839539

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Fatigue Behaviour of Welded High-Strength Steels after High Frequency Mechanical Post-Weld Treatments. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2009, 53, R322-R332.	2.5	65
2	Mechanisms of Residual Stress Relaxation and Redistribution in Welded High-Strength Steel Specimens under Mechanical Loading. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2010, 54, R366-R374.	2.5	31
3	Effects of residual stresses and compressive mean stresses on the fatigue strength of longitudinal fillet-welded gussets. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2016, 60, 267-281.	2.5	26
4	Fatigue Strength Enhancement of Butt Welds by Means of Shot Peening and Clean Blasting. <i>Metals</i> , 2019, 9, 744.	2.3	25
5	Residual Stress Relaxation of Quasi-Statically and Cyclically-Loaded Steel Welds. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2010, 54, R49-R60.	2.5	21
6	On the effects of austenite phase transformation on welding residual stresses in non-load carrying longitudinal welds. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2015, 59, 179-190.	2.5	20
7	Effects of heat source geometric parameters and arc efficiency on welding temperature field, residual stress, and distortion in thin-plate full-penetration welds. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 99, 497-515.	3.0	20
8	Influence of Restraint Conditions on Welding Residual Stresses in H-Type Cracking Test Specimens. <i>Materials</i> , 2019, 12, 2700.	2.9	16
9	Investigation on fatigue strength of cut edges produced by various cutting methods for high-strength steels. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2020, 64, 545-561.	2.5	14
10	Engineering model for the quantitative consideration of residual stresses in fatigue design of welded components. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2017, 61, 997-1002.	2.5	13
11	Influence of residual stresses on fatigue strength of large-scale welded assembly joints. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2017, 61, 361-374.	2.5	11
12	Welding residual stresses in thick steel plates—MAG-welded at low ambient temperature. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2015, 59, 597-610.	2.5	10
13	Application of the Local Fatigue Strength Concept for the Evaluation of Post Weld Treatments. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2007, 51, 65-75.	2.5	7
14	Welding Residual Stress Behavior in Tubular Steel Joints under Multiaxial Loading. <i>HTM - Journal of Heat Treatment and Materials</i> , 2014, 69, 6-13.	0.2	7
15	Residual stresses in multi-pass butt-welded ferritic-pearlitic steel pipes. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2015, 59, 555-563.	2.5	6
16	Recommendations for the measurement of residual stresses in welded joints by means of X-ray diffraction—results of the WG6-RR test. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2021, 65, 589-600.	2.5	6
17	Influence of strain-hardening models and slopes on the predicted residual stresses in structural steel S235 weldments. <i>Journal of Materials Research and Technology</i> , 2022, 19, 4044-4062.	5.8	6
18	Simplified residual stress and distortion calculations of multi-pass welds and their possible influence on result quality. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2019, 63, 1291-1301.	2.5	5

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19	Fatigue strength of thermal cut edges – influence of ISO 9013 quality groups. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2019, 63, 349-363.	2.5	5
20	Relaxation and Stability of Welding Residual Stresses in High Strength Steel under Mechanical Loading. <i>Steel Research International</i> , 2010, 81, 1137-1143.	1.8	4
21	Investigations on the fatigue strength of beam-welded butt joints taking the weld quality into account. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2019, 63, 1303-1313.	2.5	4
22	Sequence effect of p(1/3) spectrum loading on service fatigue strength of as-welded and high-frequency mechanical impact (HFMI)-treated transverse stiffeners of mild steel. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2021, 65, 1821-1839.	2.5	4
23	Load induced inhomogeneous plastic deformations in welded aluminium joints. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2014, 58, 529-538.	2.5	3
24	Capability of martensitic low transformation temperature welding consumables for increasing the fatigue strength of high strength steel joints. <i>Materialprüfung/Materials Testing</i> , 2020, 62, 891-900.	2.2	3
25	Sequence effect of as-welded and HFMI-treated transverse attachments under variable loading with linear spectrum. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 0, , 1.	2.5	3
26	Investigations on the impact and fracture toughness of beam welded structural steels with yield strengths from 355 to 960 MPa. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2019, 63, 87-95.	2.5	2
27	An enhancement of the current design concepts for the improved consideration of residual stresses in fatigue-loaded welds. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2021, 65, 643-651.	2.5	2
28	Influence of competing notches on the fatigue strength of cut plate edges. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2021, 65, 1791-1803.	2.5	2
29	Residual Stresses and Fatigue Behavior of High Strength Structural Steels with Fillet Welded Longitudinal Stiffeners. <i>HTM - Journal of Heat Treatment and Materials</i> , 2014, 69, 14-23.	0.2	2
30	Study on the near-surface residual stress state in butt-welded pipes of austenitic steel using X-ray diffraction. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2016, 60, 1169-1179.	2.5	1