Libor TrÅ¡ko

List of Publications by Year
in descending order

24 papers	475 citations	759233 12 h-index	677142 22 g-index
24 all docs	24 docs citations	24 times ranked	415 citing authors

#	Article	IF	Citations
1	Measurement of the rate of transformation induced plasticity in TRIP steel by the use of Barkhausen noise emission as a function of plastic straining. ISA Transactions, 2022, 125, 318-329.	5.7	6
2	Butt welding of thin sheets of S960MC steel. PrzeglÄ…d Spawalnictwa, 2021, 93, 5-12.	0.5	0
3	Effect of Severe Shot Peening on the Very-High Cycle Notch Fatigue of an AW 7075 Alloy. Metals, 2020, 10, 1262.	2.3	8
4	Fatigue properties of welded Strenx 700 MC HSLA steel after ultrasonic impact treatment application. Materials Today: Proceedings, 2020, 32, 174-178.	1.8	3
5	Microstructure and residual stress analysis of Strenx 700 MC welded joint. Production Engineering Archives, 2020, 26, 41-44.	2.4	6
6	Effect of the t8/5 Cooling Time on the Properties of S960MC Steel in the HAZ of Welded Joints Evaluated by Thermal Physical Simulation. Metals, 2020, 10, 229.	2.3	36
7	Fatigue Safety Coefficients for Ultra - High Region of Load Cycles. Communications - Scientific Letters of the University of Zilina, 2020, 22, 97-102.	0.6	0
8	Degradation of unconventional fluoride conversion coating on AZ61 magnesium alloy in SBF solution. Surface and Coatings Technology, 2019, 380, 125012.	4.8	16
9	Fatigue Life Improvement of the High Strength Steel Welded Joints by Ultrasonic Impact Peening. Metals, 2019, 9, 619.	2.3	26
10	Improvement of electrochemical corrosion characteristics of AZ61 magnesium alloy with unconventional fluoride conversion coatings. Surface and Coatings Technology, 2019, 357, 638-650.	4.8	35
11	Safe choice of structural steels in a region of ultra-high number of load cycles. Production Engineering Archives, 2019, 24, 25-28.	2.4	6
12	Non-Destructive Evaluation of Steel Surfaces after Severe Plastic Deformation via the Barkhausen Noise Technique. Metals, 2018, 8, 1029.	2.3	14
13	Design of Shaft Respecting the Fatigue Limit for Ultra-High Number of Cycles. Periodica Polytechnica Transportation Engineering, 2018, 47, 6-12.	1.2	3
14	Comparison of the mechanical properties and microstructural evolution in the HAZ of HSLA DOMEX 700MC welded by gas metal arc welding and electron beam welding. MATEC Web of Conferences, 2018, 244, 01009.	0.2	6
15	Influence of structure sensitising of the AlSi 316Ti austenitic stainless steel on the ultra-high cycle fatigue properties. MATEC Web of Conferences, 2018, 157, 05011.	0.2	3
16	Ultrasonic Fatigue Testing in the Tension-Compression Mode. Journal of Visualized Experiments, 2018, , .	0.3	7
17	Study of Relation between Shot Peening Parameters and Fatigue Fracture Surface Character of an AW 7075 Aluminium Alloy. Metals, 2018, 8, 111.	2.3	15
18	Improvement of fatigue endurance of welded S355 J2 structural steel by severe shot peening. Surface Engineering, 2017, 33, 715-720.	2.2	10

#	Article	IF	Citations
19	Influence of Severe Shot Peening on the Surface State and Ultra-High-Cycle Fatigue Behavior of an AW 7075 Aluminum Alloy. Journal of Materials Engineering and Performance, 2017, 26, 2784-2797.	2.5	39
20	Shot peening as a pre-treatment to anodic oxidation coating process of AW 6082 aluminum for fatigue life improvement. International Journal of Advanced Manufacturing Technology, 2017, 93, 3315-3323.	3.0	14
21	Fatigue Resistance of Low Alloy Steel after Shot Peening. Materials Today: Proceedings, 2016, 3, 1220-1225.	1.8	14
22	Effect of severe shot peening on ultra-high-cycle fatigue of a low-alloy steel. Materials & Design, 2014, 57, 103-113.	5.1	83
23	Fatigue life of AW 7075 Aluminium Alloy after Severe Shot Peening Treatment with Different Intensities. Procedia Engineering, 2014, 74, 246-252.	1.2	27
24	Fatigue behavior of X70 microalloyed steel after severe shot peening. International Journal of Fatigue, 2013, 55, 33-42.	5.7	98