Claudia Polese

List of Publications by Year
in descending order

28	305	933447 10	940533 16
papers	citations	h-index	g-index

29	29	29	217
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fatigue in laser shock peened open-hole thin aluminium specimens. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 534, 573-579.	5.6	60
2	Experimental and analytical investigation of the effects of laser shock peening processing strategy on fatigue crack growth in thin 2024 aluminium alloy panels. International Journal of Fatigue, 2021, 142, 105969.	5.7	23
3	The effect of interference-fit fasteners on the fatigue life of central hole specimens. Fatigue and Fracture of Engineering Materials and Structures, 2005, 28, 587-597.	3.4	22
4	High-temperature sliding wear, elastic modulus and transverse rupture strength of Ni bonded NbC and WC cermets. International Journal of Refractory Metals and Hard Materials, 2020, 87, 105143.	3.8	17
5	Microstructure, mechanical and machining properties of LPS and SPS NbC cemented carbides for face-milling of grey cast iron. International Journal of Refractory Metals and Hard Materials, 2018, 73, 111-120.	3.8	16
6	Electric strain gauge measurement of residual stress in welded panels. Journal of Strain Analysis for Engineering Design, 2009, 44, 117-126.	1.8	14
7	Abrasion wear, thermal shock and impact resistance of WC-cemented carbides produced by PECS and LPS. International Journal of Refractory Metals and Hard Materials, 2015, 49, 133-142.	3.8	14
8	â€œSize effectâ€•in the fatigue behavior of Friction Stir Welded plates. International Journal of Fatigue, 2015, 80, 238-245.	5.7	12
9	Evaluation of laser shock peening process parameters incorporating Almen strip deflections. Surface and Coatings Technology, 2022, 434, 128158.	4.8	12
10	Incremental Hole Drilling Residual Stress Measurement in Thin Aluminum Alloy Plates Subjected to Laser Shock Peening. Experimental Mechanics, 2020, 60, 553-564.	2.0	11
11	Fatigue crack propagation in tensile shear stainless steel spot welded specimens. Fatigue and Fracture of Engineering Materials and Structures, 2008, 31, 76-84.	3.4	10
12	Laser Shock Peening on a 6056-T4 Aluminium Alloy for Airframe Applications. Advanced Materials Research, 0, 891-892, 974-979.	0.3	10
13	Mechanical behaviour of pack carburized AISI 316L austenitic stainless steel. Journal of the South African Institute of Mining and Metallurgy, 2015, 115, 1183-1191.	0.5	10
14	Some contraindications of hole expansion in riveted joints. Engineering Failure Analysis, 2014, 46, 140-156.	4.0	8
15	Experimental and analytical assessment of fatigue and crack propagation in cold worked open hole specimens. Fatigue and Fracture of Engineering Materials and Structures, 2013, 36, 930-941.	3.4	7
16	Towards Qualification in the Aviation Industry: Impact Toughness of Ti6Al4V(ELI) Specimens Produced through Laser Powder Bed Fusion Followed by Two-Stage Heat Treatment. Metals, 2021, 11, 1736.	2.3	7
17	Fatigue crack propagation in the wing to fuselage connection of the new trainer aircraft M346. Fatigue and Fracture of Engineering Materials and Structures, 2006, 29, 1000-1009.	3.4	6
18	Cavitation bubble oscillation period as a process diagnostic during the laser shock peening process. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	6

#	Article	IF	Citations
19	Roughing, semi-finishing and finishing of laser surface modified nickel bonded NbC and WC inserts for grey cast iron (GCI) face-milling. International Journal of Refractory Metals and Hard Materials, 2020, 86, 105128.	3.8	5
20	Characterisation of Fatigue and Crack Propagation in Laser Shock Peened Open Hole 7075-T73 Aluminium Specimens. , 2011, , 855-866.		5
21	Synchrotron XRD Evaluation of Residual Stresses Introduced by Laser Shock Peening for Steam Turbine Blade Applications. , 2018, , .		5
22	Fatigue crack propagation of through cracks in thin sheets under combined traction and bending stresses. Fatigue and Fracture of Engineering Materials and Structures, 2003, 26, 421-428.	3.4	4
23	Measurement of Residual Stresses in Different Thicknesses of Laser Shock Peened Aluminium Alloy Samples. , 2018, , .		4
24	Evaluation of Residual Stresses Introduced by Laser Shock Peening in Steel using Different Measurement Techniques. , 2018, , .		4
25	Simulations of fatigue crack propagation in friction stir welds under flight loading conditions*. Materialpruefung/Materials Testing, 2006, 48, 370-375.	2.2	4
26	Effects of Mo2C, Ni binder and laser surface modification on WC inserts for turning Ti-6Al-4V. International Journal of Refractory Metals and Hard Materials, 2020, 87, 105145.	3.8	3
27	Fatigue properties of monolithic and metal-laminated aluminium open-hole specimens. Fatigue and Fracture of Engineering Materials and Structures, 2008, 31, 911.	3.4	2
28	Relationship Between Residual Stresses and Welding Rates in Friction Stir Welded AA6056-T4. SSRN Electronic Journal, 0, , .	0.4	1