

Claudia Polese

List of Publications by Year in descending order

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28
papers

305
citations

933447

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29
all docs

29
docs citations

29
times ranked

217
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of laser shock peening process parameters incorporating Almen strip deflections. Surface and Coatings Technology, 2022, 434, 128158.	4.8	12
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	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
4	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
5	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
6	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
7	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
8	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
9	Synchrotron XRD Evaluation of Residual Stresses Introduced by Laser Shock Peening for Steam Turbine Blade Applications. , 2018, , .		5
10	Measurement of Residual Stresses in Different Thicknesses of Laser Shock Peened Aluminium Alloy Samples. , 2018, , .		4
11	Evaluation of Residual Stresses Introduced by Laser Shock Peening in Steel using Different Measurement Techniques. , 2018, , .		4
12	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
13	â€œSize effectâ€•in the fatigue behavior of Friction Stir Welded plates. International Journal of Fatigue, 2015, 80, 238-245.	5.7	12
14	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
15	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
16	Some contraindications of hole expansion in riveted joints. Engineering Failure Analysis, 2014, 46, 140-156.	4.0	8
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Characterisation of Fatigue and Crack Propagation in Laser Shock Peened Open Hole 7075-T73 Aluminium Specimens. , 2011, , 855-866.		5
20	Electric strain gauge measurement of residual stress in welded panels. Journal of Strain Analysis for Engineering Design, 2009, 44, 117-126.	1.8	14
21	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
22	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
23	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
24	Simulations of fatigue crack propagation in friction stir welds under flight loading conditions*. Materialpruefung/Materials Testing, 2006, 48, 370-375.	2.2	4
25	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
26	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
27	Laser Shock Peening on a 6056-T4 Aluminium Alloy for Airframe Applications. Advanced Materials Research, 0, 891-892, 974-979.	0.3	10
28	Relationship Between Residual Stresses and Welding Rates in Friction Stir Welded AA6056-T4. SSRN Electronic Journal, 0, , .	0.4	1