Umberto Prisco

List of Publications by Year
in descending order

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52	949	430874	501196
papers	citations	18	28
		h-index	g-index

53	53	53	894
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The influences of the variable speed and internal die geometry on the performance of two commercial soluble oils in the drawing process of pure copper fine wire. International Journal of Advanced Manufacturing Technology, 2022, 118, 3749-3760.	3.0	5
2	Shape of the melt pool produced by a moving Gaussian heat source. Welding in the World, Le Soudage Dans Le Monde, 2021, 65, 2105-2118.	2.5	3
3	Selective laser melting of Cu-inconel 718 powder mixtures. Journal of Manufacturing Processes, 2020, 59, 679-689.	5.9	19
4	Effect of die pressure on the lubricating regimes achieved in wire drawing. Production Engineering, 2020, 14, 667-676.	2.3	4
5	Effect of Process Parameters in Copper-Wire Drawing. Metals, 2020, 10, 105.	2.3	21
6	Influence of processing parameters on microstructure and roughness of electron beam melted Ti-6Al-4V titanium alloy. Materials and Manufacturing Processes, 2019, 34, 1753-1760.	4.7	25
7	Peck drilling of CFRP/titanium stacks: effect of tool wear on hole dimensional and geometrical accuracy. Production Engineering, 2019, 13, 529-538.	2.3	16
8	Linear friction welding of Ti-6Al-4V parts produced by electron beam melting. Materials and Manufacturing Processes, 2019, 34, 201-207.	4.7	20
9	Deposition of ferromagnetic particles using a magnetic assisted cold spray process. International Journal of Advanced Manufacturing Technology, 2019, 103, 29-36.	3.0	7
10	Mechanical Properties Optimization of Friction Stir Welded Lap Joints in Aluminium Alloy. Advances in Materials Science and Engineering, 2019, 2019, 1-9.	1.8	5
11	A comparison between wet and cryogenic drilling of CFRP/Ti stacks. Materials and Manufacturing Processes, 2018, 33, 1354-1360.	4.7	54
12	Selective electrochemical machining of the steel molds in hot isostatic pressing of Ti6Al4V powder. Materials and Manufacturing Processes, 2018, 33, 1587-1593.	4.7	2
13	Morphology of titanium coatings deposited through single pass cold spraying. Materials and Manufacturing Processes, 2018, 33, 123-129.	4.7	9
14	Effects of Cr3C2 Addition on Wear Behaviour of WC-Co Based Cemented Carbides. Metals, 2018, 8, 895.	2.3	6
15	Case microstructure in induction surface hardening of steels: an overview. International Journal of Advanced Manufacturing Technology, 2018, 98, 2619-2637.	3.0	11
16	Friction Stir Welding of AlSi10Mg Plates Produced by Selective Laser Melting. Metallography, Microstructure, and Analysis, 2018, 7, 457-463.	1.0	20
17	Strain Hardening of Carbon Steel During Wire Drawing. Materials Research, 2018, 21, .	1.3	2
18	Tensile Properties of a Hot Stretch Formed Ti-6Al-4V Alloy Component for Aerospace Applications. Manufacturing Technology, 2017, 17, 141-147.	1.4	6

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19	Repairing of an Engine Block Through the Cold Gas Dynamic Spray Technology. Materials Research, 2016, 19, 1226-1231.	1.3	13
20	Microstructure of a Hot Forged Ti 5-5-5-3 Aeronautical Component. Metallography, Microstructure, and Analysis, 2016, 5, 207-216.	1.0	4
21	Tensile Properties of AA6156-T4 Friction Stir Welded Joints in As-Welded and Post-Weld Aged Condition. Manufacturing Technology, 2016, 16, 786-792.	1.4	3
22	Size-dependent distributions of particle velocity and temperature at impact in the cold-gas dynamic-spray process. Journal of Materials Processing Technology, 2015, 216, 302-314.	6.3	33
23	Mechanical characterization by DOE analysis of AA6156-T4 friction stir welded joints in as-welded and post-weld aged condition. Materialpruefung/Materials Testing, 2015, 57, 192-199.	2.2	11
24	Thermal conductivity of flat-pressed wood plastic composites at different temperatures and filler content. Science and Engineering of Composite Materials, 2014, 21, 197-204.	1.4	28
25	On the critical technological issues of friction stir welding lap joints of dissimilar aluminum alloys. Surface and Interface Analysis, 2013, 45, 1643-1648.	1.8	11
26	Influence of welding parameters and post-weld aging on tensile properties and fracture location of AA2139-T351 friction-stir-welded joints. Materials Research, 2013, 16, 1106-1112.	1.3	25
27	Effect of welding parameters on morphology and mechanical properties of Tiâ€“6Alâ€“4V laser beam welded butt joints. Journal of Materials Processing Technology, 2012, 212, 427-436.	6.3	174
28	Friction-stir welding of AA 2198 butt joints: mechanical characterization of the process and of the welds through DOE analysis. International Journal of Advanced Manufacturing Technology, 2011, 53, 505-516.	3.0	44
29	Effect of filler content and temperature on steadyâ€state shear flow of wood/high density polyethylene composites. Polymer Composites, 2011, 32, 796-809.	4.6	18
30	A Comparison Between Mechanical And Electrochemical Tests on Ti6Al4V Welded By LBW. , 2011, , .		4
31	Friction stir welding of AA2198-T3 butt joints for aeronautical applications. International Journal of Material Forming, 2010, 3, 1079-1082.	2.0	32
32	Flatness, Cylindricity and Sphericity Assessment Based on the Seven Classes of Symmetry of the Surfaces. Advances in Mechanical Engineering, 2010, 2, 154287.	1.6	7
33	Influence of filler material on micro- and macro-mechanical behaviour of laser-beam-welded T-joint for aerospace applications. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2009, 223, 103-115.	1.1	12
34	Evaluation of drilling parameters effects on machinability of PM materials using ANOVA. Powder Metallurgy, 2009, 52, 164-171.	1.7	6
35	Three-Dimensional CFD Simulation of Two-Phase Flow Inside the Abrasive Water Jet Cutting Head. International Journal for Computational Methods in Engineering Science and Mechanics, 2008, 9, 300-319.	2.1	23
36	Characterization of NiTinol under torsional loads through a numerical implementation of the Boydâ€“Lagoudas constitutive model and comparison of the results with experimental data. Smart Materials and Structures, 2007, 16, 76-82.	3.5	4

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37	Monotonic and fatigue behaviour of chopped-strand-mat/polyester composites with rigid and flexibilised matrix. Composites Part A: Applied Science and Manufacturing, 2007, 38, 234-243.	7.6	5
38	Optimization of friction stir welds of aluminium alloys. , 2006, , 247-252.		9
39	Analysis of Composites with Infrared Thermography. Macromolecular Symposia, 2005, 228, 273-286.	0.7	6
40	Residue-specific immobilization of protein molecules by size-selected clusters. Journal of the Royal Society Interface, 2005, 2, 169-175.	3.4	15
41	Influence of the flexibiliser content on the monotonic and fatigue behaviour of a polyester resin for composites. Composites Part A: Applied Science and Manufacturing, 2004, 35, 1081-1089.	7.6	4
42	NONDESTRUCTIVE CONTROL OF POLYETHYLENE BLANKET INSULATION BY MEANS OF LOCK-IN THERMOGRAPHY. Research in Nondestructive Evaluation, 2004, 15, 55-63.	1.1	7
43	The estimation of the diameter error in bar turning: a comparison among three cutting force models. International Journal of Advanced Manufacturing Technology, 2003, 22, 465-474.	3.0	13
44	Merging Neural Network Material Rheological Behaviour Modelling with FEM Simulation of Orthogonal Metal Cutting. Machining Science and Technology, 2003, 7, 401-417.	2.5	4
45	Experimental Evaluation of Properties of Cross-Linked Polyethylene. Materials and Manufacturing Processes, 2003, 18, 135-144.	4.7	18
46	On control of Young's modulus of iron sintered part through steam oxidation treatment. Powder Metallurgy, 2003, 46, 15-20.	1.7	1
47	Overview of current CAT systems. Integrated Computer-Aided Engineering, 2002, 9, 373-387.	4.6	83
48	Dimensional errors in longitudinal turning based on the unified generalized mechanics of cutting approach.. International Journal of Machine Tools and Manufacture, 2002, 42, 1509-1515.	13.4	32
49	Dimensional errors in longitudinal turning based on the unified generalized mechanics of cutting approach.. International Journal of Machine Tools and Manufacture, 2002, 42, 1517-1525.	13.4	27
50	Simulation of Chip Formation in an Orthogonal Cutting Process Using Fem. , 2002, , 167-177.		1
51	LBW of Similar and Dissimilar Skin-Stringer Joints Part I: Process Optimization and Mechanical Characterization. Advanced Materials Research, 0, 38, 306-319.	0.3	26
52	FSW of AA 2139 Plates: Influence of the Temper State on the Mechanical Properties. Key Engineering Materials, 0, 554-557, 1065-1074.	0.4	10