

Damjan KlobÄar

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

782
citations

623734

14
h-index

526287

27
g-index

34
all docs

34
docs citations

34
times ranked

592
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructure and Fatigue Properties of Resistance Element Welded Joints of DP500 Steel and AW 5754 H22 Aluminum Alloy. <i>Crystals</i> , 2022, 12, 258.	2.2	8
2	Water versus Oil Lubrication of Laser-Textured Ti6Al4V Alloy upon Addition of MoS2 Nanotubes for Green Tribology. <i>Materials</i> , 2022, 15, 2974.	2.9	1
3	Microstructure and Properties after Friction Stir Processing of Twin-Roll Cast Al-Mn-Cu-Be Alloy. <i>Crystals</i> , 2022, 12, 630.	2.2	3
4	Powder Bed Fusion Additive Manufacturing Using Critical Raw Materials: A Review. <i>Materials</i> , 2021, 14, 909.	2.9	69
5	Condition based maintenance of the two-beam laser welding in high volume manufacturing of piezoelectric pressure sensor. <i>Journal of Manufacturing Systems</i> , 2021, 59, 117-126.	13.9	16
6	In-process path replanning and online layer height control through deposition arc current for gas metal arc based additive manufacturing. <i>Journal of Manufacturing Processes</i> , 2021, 64, 1169-1179.	5.9	27
7	MULTI-OBJECTIVE OPTIMIZATION OF THE RESISTANCE SPOT-WELDING PROCESS PARAMETERS FOR THE WELDING OF DUAL-PHASE STEEL DP500. <i>Materiali in Tehnologije</i> , 2021, 55, 201-206.	0.5	3
8	Analysis and prevention of weld crater cracking in circumferential laser microwelding of automotive pressure sensors. <i>Engineering Failure Analysis</i> , 2021, 128, 105579.	4.0	2
9	Influence of Laser Texturing on Microstructure, Surface and Corrosion Properties of Ti-6Al-4V. <i>Metals</i> , 2020, 10, 1504.	2.3	21
10	WAAM system with interpass temperature control and forced cooling for near-net-shape printing of small metal components. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 110, 1955-1968.	3.0	54
11	Influence of Metallic Oxide Nanoparticles on the Mechanical Properties of an A-TIG Welded 304L Austenitic Stainless Steel. <i>Materials</i> , 2020, 13, 4513.	2.9	3
12	Remote Fibre Laser Welding of Advanced High Strength Martensitic Steel. <i>Metals</i> , 2020, 10, 533.	2.3	10
13	WAAM and Other Unconventional Metal Additive Manufacturing Technologies. <i>Advanced Technologies & Materials</i> , 2020, 45, 1-9.	0.1	2
14	Influence of Laser Colour Marking on the Corrosion Properties of Low Alloyed Ti. <i>Coatings</i> , 2019, 9, 375.	2.6	11
15	Metal Oxide Nanoparticle-Based Coating as a Catalyzer for A-TIG Welding: Critical Raw Material Perspective. <i>Metals</i> , 2019, 9, 567.	2.3	12
16	Improvement of corrosion resistance of AA2024-T3 using femtosecond laser peening without protective and confining medium. <i>Corrosion Science</i> , 2018, 143, 46-55.	6.6	83
17	Wire arc additive manufacturing of mild steel. <i>Materials and Geoenvironment</i> , 2018, 65, 179-186.	0.2	7
18	Thermal fatigue study of tungsten alloy WNi28Fe15 clad on AISI H13 hot work tool steel. <i>Surface and Coatings Technology</i> , 2016, 285, 304-311.	4.8	12

#	ARTICLE	IF	CITATIONS
19	Parametric study of FSSW of aluminium alloy 5754 using a pinless tool. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2015, 59, 269-281.	2.5	31
20	Kalman filter based initial guess estimation for digital image correlation. <i>Optics and Lasers in Engineering</i> , 2015, 73, 80-88.	3.8	6
21	The superplasticity of friction stir processed Al-5Mg alloy with additions of scandium and zirconium. <i>International Journal of Materials Research</i> , 2014, 105, 1218-1226.	0.3	2
22	Superplasticity of the rolled and friction stir processed Al-4.5 Mg-0.35Sc-0.15Zr alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 590, 239-245.	5.6	41
23	Thermal Fatigue of Materials for Die Casting Tooling. , 2014, , 5023-5036.		0
24	Thermo fatigue cracking of die casting dies. <i>Engineering Failure Analysis</i> , 2012, 20, 43-53.	4.0	78
25	A new approach to monitoring thermal fatigue cracks in die casting moulds. <i>International Journal of Materials Research</i> , 2011, 102, 69-75.	0.3	15
26	The influence of laser pulse shape in repair welding of tool steels. , 2009, , .		1
27	Suitability of Maraging Steel Weld Cladding for Repair of Die-Casting Tooling. <i>International Journal of Materials Research</i> , 2009, 100, 713-722.	0.3	10
28	Thermal fatigue of materials for die-casting tooling. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 472, 198-207.	5.6	130
29	Thermal stresses in aluminium alloy die casting dies. <i>Computational Materials Science</i> , 2008, 43, 1147-1154.	3.0	58
30	Aging of maraging steel welds during aluminium alloy die casting. <i>Computational Materials Science</i> , 2008, 44, 515-522.	3.0	16
31	Suitability of maraging steel weld cladding for repair of die casting tooling. <i>International Journal of Materials Research</i> , 2008, 99, 1006-1014.	0.3	11
32	Laser Grooving and Welding of Cracks Occuring at Dies for Die Casting. <i>Materials Science Forum</i> , 2007, 539-543, 4059-4062.	0.3	0
33	Finite element modeling of GTA weld surfacing applied to hot-work tooling. <i>Computational Materials Science</i> , 2004, 31, 368-378.	3.0	31
34	Superplastic Behaviour of AA5083 Aluminium Alloy with Scandium and Zirconium. <i>Materials Science Forum</i> , 0, 706-709, 395-401.	0.3	8