

Damjan KlobÄar

List of Publications by Year in descending order

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34
papers

782
citations

623734

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526287

27
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34
all docs

34
docs citations

34
times ranked

592
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Thermo fatigue cracking of die casting dies. <i>Engineering Failure Analysis</i> , 2012, 20, 43-53.	4.0	78
4	Powder Bed Fusion Additive Manufacturing Using Critical Raw Materials: A Review. <i>Materials</i> , 2021, 14, 909.	2.9	69
5	Thermal stresses in aluminium alloy die casting dies. <i>Computational Materials Science</i> , 2008, 43, 1147-1154.	3.0	58
6	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
7	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
8	Finite element modeling of GTA weld surfacing applied to hot-work tooling. <i>Computational Materials Science</i> , 2004, 31, 368-378.	3.0	31
9	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
10	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
11	Influence of Laser Texturing on Microstructure, Surface and Corrosion Properties of Ti-6Al-4V. <i>Metals</i> , 2020, 10, 1504.	2.3	21
12	Aging of maraging steel welds during aluminium alloy die casting. <i>Computational Materials Science</i> , 2008, 44, 515-522.	3.0	16
13	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
14	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
15	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
16	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
17	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
18	Influence of Laser Colour Marking on the Corrosion Properties of Low Alloyed Ti. <i>Coatings</i> , 2019, 9, 375.	2.6	11

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19	Suitability of Maraging Steel Weld Cladding for Repair of Die-Casting Tooling. International Journal of Materials Research, 2009, 100, 713-722.	0.3	10
20	Remote Fibre Laser Welding of Advanced High Strength Martensitic Steel. Metals, 2020, 10, 533.	2.3	10
21	Superplastic Behaviour of AA5083 Aluminium Alloy with Scandium and Zirconium. Materials Science Forum, 0, 706-709, 395-401.	0.3	8
22	Microstructure and Fatigue Properties of Resistance Element Welded Joints of DP500 Steel and AW 5754 H22 Aluminum Alloy. Crystals, 2022, 12, 258.	2.2	8
23	Wire arc additive manufacturing of mild steel. Materials and Geoenvironment, 2018, 65, 179-186.	0.2	7
24	Kalman filter based initial guess estimation for digital image correlation. Optics and Lasers in Engineering, 2015, 73, 80-88.	3.8	6
25	Influence of Metallic Oxide Nanoparticles on the Mechanical Properties of an A-TIG Welded 304L Austenitic Stainless Steel. Materials, 2020, 13, 4513.	2.9	3
26	MULTI-OBJECTIVE OPTIMIZATION OF THE RESISTANCE SPOT-WELDING PROCESS PARAMETERS FOR THE WELDING OF DUAL-PHASE STEEL DP500. Materiali in Tehnologije, 2021, 55, 201-206.	0.5	3
27	Microstructure and Properties after Friction Stir Processing of Twin-Roll Cast Al-Mn-Cu-Be Alloy. Crystals, 2022, 12, 630.	2.2	3
28	The superplasticity of friction stir processed Al-5Mg alloy with additions of scandium and zirconium. International Journal of Materials Research, 2014, 105, 1218-1226.	0.3	2
29	Analysis and prevention of weld crater cracking in circumferential laser microwelding of automotive pressure sensors. Engineering Failure Analysis, 2021, 128, 105579.	4.0	2
30	WAAM and Other Unconventional Metal Additive Manufacturing Technologies. Advanced Technologies & Materials, 2020, 45, 1-9.	0.1	2
31	The influence of laser pulse shape in repair welding of tool steels. , 2009, , .		1
32	Water versus Oil Lubrication of Laser-Textured Ti6Al4V Alloy upon Addition of MoS2 Nanotubes for Green Tribology. Materials, 2022, 15, 2974.	2.9	1
33	Laser Grooving and Welding of Cracks Occuring at Dies for Die Casting. Materials Science Forum, 2007, 539-543, 4059-4062.	0.3	0
34	Thermal Fatigue of Materials for Die Casting Tooling. , 2014, , 5023-5036.		0