

Sergej Gook

List of Publications by Year in descending order

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18
papers

295
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1039880

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citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid laser-arc welding of laser- and plasma-cut 20-mm-thick structural steels. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2022, 66, 507-514.	1.3	5
2	Shielded metal arc welding of 9%Ni steel using matching ferritic filler metal. <i>Science and Technology of Welding and Joining</i> , 2021, 26, 116-122.	1.5	13
3	Hybrid laser arc welding of thick high-strength pipeline steels of grade X120 with adapted heat input. <i>Journal of Materials Processing Technology</i> , 2020, 275, 116358.	3.1	35
4	Avoidance of end crater imperfections at high-power laser beam welding of closed circumferential welds. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2020, 64, 407-417.	1.3	9
5	Hybrid laser-arc welding of thick-walled pipe segments with optimization of the end crater. <i>Procedia CIRP</i> , 2020, 94, 676-679.	1.0	3
6	Notch impact toughness of laser beam welded thick sheets of cryogenic nickel alloyed steel X8Ni9. <i>Procedia CIRP</i> , 2020, 94, 627-631.	1.0	8
7	Laser surface hardening of engine camshaft cams. <i>Materials Today: Proceedings</i> , 2020, 30, 478-482.	0.9	11
8	Laser welding of Inconel 718 nickel-based alloy layer-by-layer products. <i>Materials Today: Proceedings</i> , 2020, 30, 473-477.	0.9	7
9	Laser Welding of SLM-Manufactured Tubes Made of IN625 and IN718. <i>Materials</i> , 2019, 12, 2967.	1.3	16
10	Mechanical Properties of Single-pass Hybrid Laser Arc Welded 25 mm Thick-walled Structures Made of Fine-grained Structural Steel. <i>Procedia Manufacturing</i> , 2019, 36, 112-120.	1.9	16
11	Influence of heat input and preheating on the cooling rate, microstructure and mechanical properties at the hybrid laser-arc welding of API 5L X80 steel. <i>Procedia CIRP</i> , 2018, 74, 748-751.	1.0	29
12	Comparison between GTA and laser beam welding of 9%Ni steel for critical cryogenic applications. <i>Journal of Materials Processing Technology</i> , 2018, 261, 193-201.	3.1	22
13	Hybrid Laser Arc Welding of High Grade X80 and X120 Pipeline Steels. <i>Global Nuclear Safety</i> , 2017, 13, 21-35.	0.1	2
14	Application of D-optimum Experimental Designs in Consideration of Restrictions for Laser Metal Deposition. <i>Global Nuclear Safety</i> , 2017, 11, 46-60.	0.1	0
15	Hybrid laser arc welding of X80 and X120 steel grade. <i>Science and Technology of Welding and Joining</i> , 2014, 19, 15-24.	1.5	62
16	Hot cracking in high power laser beam welding of thick high strength structural steels under restraint conditions. , 2010, , .		5
17	Weld seam formation and mechanical properties of girth welds performed with laser-GMA-hybrid process on pipes of grade X65. , 2010, , .		6
18	Laser-Hybrid Welding of Thick Plates up to 32 mm Using a 20 kW Fibre Laser. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , 2009, 27, 74s-79s.	0.1	46