

Sergej Gook

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

295
citations

1039880

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996849

15
g-index

18
all docs

18
docs citations

18
times ranked

163
citing authors

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