

Å-mer ÅæstÅ¼ndag

List of Publications by Year in descending order

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papers

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#	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	The detrimental molten pool narrowing phenomenon in wire feed laser beam welding and its suppression by magnetohydrodynamic technique. <i>International Journal of Heat and Mass Transfer</i> , 2022, 193, 122913.	2.5	11
3	Influence of oscillating magnetic field on the keyhole stability in deep penetration laser beam welding. <i>Optics and Laser Technology</i> , 2021, 135, 106715.	2.2	13
4	Improvements of hybrid laser arc welding for shipbuilding T-joints with 2F position of 8mm thick steel. <i>Optics and Laser Technology</i> , 2021, 143, 107284.	2.2	12
5	Investigation of the gap bridgeability at high-power laser hybrid welding of plasma-cut thick mild steels with AC magnetic support. <i>Journal of Physics: Conference Series</i> , 2021, 2077, 012007.	0.3	0
6	The bulging effect and its relevance in high power laser beam welding. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1135, 012003.	0.3	2
7	Influence of an external applied AC magnetic field on the melt pool dynamics at high-power laser beam welding. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1135, 012017.	0.3	1
8	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
9	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
10	LMD coatings as filler material for laser beam welded 30 mm thick plates. <i>Procedia CIRP</i> , 2020, 94, 293-297.	1.0	2
11	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
12	Experimental and numerical study on the influence of the laser hybrid parameters in partial penetration welding on the solidification cracking in the weld root. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2020, 64, 501-511.	1.3	10
13	Laser Welding of SLM-Manufactured Tubes Made of IN625 and IN718. <i>Materials</i> , 2019, 12, 2967.	1.3	16
14	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
15	Improvement of Filler Wire Dilution Using External Oscillating Magnetic Field at Full Penetration Hybrid Laser-Arc Welding of Thick Materials. <i>Metals</i> , 2019, 9, 594.	1.0	18
16	Study of gap and misalignment tolerances at hybrid laser arc welding of thick-walled steel with electromagnetic weld pool support system. <i>Procedia CIRP</i> , 2018, 74, 757-760.	1.0	11
17	Full penetration hybrid laser arc welding of up to 28 mm thick S355 plates using electromagnetic weld pool support. <i>Journal of Physics: Conference Series</i> , 2018, 1109, 012015.	0.3	12
18	Hybrid laser-arc welding of thick-walled ferromagnetic steels with electromagnetic weld pool support. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2018, 62, 767-774.	1.3	16