Ã–mer ÃœstÃ¼ndag

List of Publications by Year
in descending order

18 papers	192 citations	933264 10 h-index	1058333 14 g-index
18 all docs	18 docs citations	18 times ranked	112 citing authors

#	Article	IF	Citations
1	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
2	Improvement of Filler Wire Dilution Using External Oscillating Magnetic Field at Full Penetration Hybrid Laser-Arc Welding of Thick Materials. Metals, 2019, 9, 594.	1.0	18
3	Hybrid laser-arc welding of thick-walled ferromagnetic steels with electromagnetic weld pool support. Welding in the World, Le Soudage Dans Le Monde, 2018, 62, 767-774.	1.3	16
4	Laser Welding of SLM-Manufactured Tubes Made of IN625 and IN718. Materials, 2019, 12, 2967.	1.3	16
5	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
6	Influence of oscillating magnetic field on the keyhole stability in deep penetration laser beam welding. Optics and Laser Technology, 2021, 135, 106715.	2.2	13
7	Full penetration hybrid laser arc welding of up to 28 mm thick S355 plates using electromagnetic weld pool support. Journal of Physics: Conference Series, 2018, 1109, 012015.	0.3	12
8	Improvements of hybrid laser arc welding for shipbuilding T-joints with 2F position of 8Âmm thick steel. Optics and Laser Technology, 2021, 143, 107284.	2.2	12
9	Study of gap and misalignment tolerances at hybrid laser arc welding of thick-walled steel with electromagnetic weld pool support system. Procedia CIRP, 2018, 74, 757-760.	1.0	11
10	The detrimental molten pool narrowing phenomenon in wire feed laser beam welding and its suppression by magnetohydrodynamic technique. International Journal of Heat and Mass Transfer, 2022, 193, 122913.	2.5	11
11	Experimental and numerical study on the influence of the laser hybrid parameters in partial penetration welding on the solidification cracking in the weld root. Welding in the World, Le Soudage Dans Le Monde, 2020, 64, 501-511.	1.3	10
12	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
13	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
14	Hybrid laser-arc welding of thick-walled pipe segments with optimization of the end crater. Procedia CIRP, 2020, 94, 676-679.	1.0	3
15	LMD coatings as filler material for laser beam welded 30 mm thick plates. Procedia CIRP, 2020, 94, 293-297.	1.0	2
16	The bulging effect and its relevance in high power laser beam welding. IOP Conference Series: Materials Science and Engineering, 2021, 1135, 012003.	0.3	2
17	Influence of an external applied AC magnetic field on the melt pool dynamics at high-power laser beam welding. IOP Conference Series: Materials Science and Engineering, 2021, 1135, 012017.	0.3	1
18	Investigation of the gap bridgeability at high-power laser hybrid welding of plasma-cut thick mild steels with AC magnetic support. Journal of Physics: Conference Series, 2021, 2077, 012007.	0.3	0