

1963

IWE

1981. 9-1985. 6

1992. 9-1995. 6

2000. 9-2003. 2

2004. 9-2005. 1

2011. 2-2011. 8

2017. 8-2018. 8

4 2017

MAG

5 2018

+3D

3D

2

SCI

5

1 Measurement and calculation of plasma drag force in arc welding and particle dynamics. *Materials & Design*, 2015, 85: 97-101.

2 Metal transfer in submerged arc welding. *Journal of Materials Processing Technology*, 2017, 244: 314-319.

3 Numerical Simulation of Ti/Al Bimetal Composite Fabricated by Explosive Welding. *Metals*. 2017 7 407.

4 Arc characteristics of submerged arc welding with stainless steel wire. *International Journal of Minerals, Metallurgy, and Materials*, 2014, 21(8): 772-778.

5 Microstructure and Corrosion Behavior of Friction Stir Welded 5A06 Alloy, *Rare Metal Materials and Engineering* 2018 47, 8 2353-2359.

3

5

1

MB5

2

5A06

MIG

3

4

5

- -

4

2012

1

2018 2