Mahmoud Abbasi

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College: Faculty of Engineering

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Papers in Journals

1. M. Abbasi,Obtaining high formability of If-galvanized steel tailor welded blanks by applying optimum CO2 laser welding parameters,International Journal of Materials Research,2011.
2. M. Abbasi,A new concept in obtaining forming limit diagram of tailor welded blanks,Journal of Strain analysis for Engineering Design,2011.
3. M. Abbasi,Analysis of microstructure and mechanical properties of different boron and non-boron alloyed steels after being hot stamped,Procedia Engineering,2011.
4. M. Abbasi,Identification of GTN model parameters by application of response surface methodology,Procedia Engineering,2011.
5. M. Abbasi,Semi-hot stamping as an improved process of hot stamping,Journal of Materials Science and Technology,2011.
6. M. Abbasi,Analysis of microstructure and mechanical properties of different high strength carbon steels after hot stamping,Journal of Materials Processing Technology,2011.
7. M. Abbasi,Formability enhancement of galvanized IF-steel TWB by modification of forming parameters,Journal of Materials Engineering and Performance,2012.
8. M. Abbasi,Effect of different yield criteria on prediction of wrinkling initiation of interstitial-free (IF) galvanized steel sheet,Materials and Design,2011.
9. M. Abbasi,Investigation into formability of tailor welded blank consisted of IF-steel sheets with different thicknesses- experiment and simulation,Steel Research International,2010.
10. M. Barati, M. Abbasi, M. Abedini,The effects of friction stir processing and friction stir vibration processing on mechanical, wear and corrosion characteristics of Al6061/SiO2 surface composite,Journal of Manufacturing Processes,2019 8 1.
11. M. Abbasi,Analysis of microstructure and mechanical properties of different hot stamped B-bearing steels,Steel Research International,2010.
12. B. Bagheri, M. Abbasi, A. Abdollahzadeh, A.H. Kokabi,Numerical analysis of cooling and joining speed effects on friction stir welding by smoothed particle hydrodynamics (SPH),Archive of Applied Mechanics,2020.
13. B. Bagheri, M. Abbasi, A. Abdollahzadeh, A.H. Kokabi,Numerical analysis of vibration effect on friction stir welding by smoothed particle hydrodynamics (SPH),The International Journal of Advanced Manufacturing Technology,2020.
14. B. Bagheri, M. Abbasi, R. Hamzehlo,Comparison of different welding methods on mechanical properties and formability behaviors of tailor welded blanks (TWB) made from AA6061 alloys,Journal of Mechanical Engineering Science,2020.
15. B. Bagheri, M. Abbasi, A. Abdollahzadeh, A.H. Kokabi,A comparative study between friction stir

processing and friction stir vibration processing to develop magnesium surface nanocomposites,International Journal of Minerals, Metallurgy and Materials,2020.
16. M. Abbasi, M. Givi, B. Bagheri,New method to enhance the mechanical characteristics of Al-5052 alloy weldment produced by tungsten inert gas,Journal of Engineering Manufacture,2020.
17. B. Bagheri, M. Abbasi, R. Hamzehlo,The investigation into vibration effect on microstructure and mechanical characteristics of friction stir spot vibration welded aluminum: Simulation and experiment,Journal of Mechanical Engineering Science,2020.
18. B. Bagheri, M. Abbasi,Amin Abdollahzadeh, Amir Hossein Kokabi,Effect of vibration on machining and mechanical properties of AZ91 alloy during FSP: modeling and experiments,International Journal of Material Forming,2020.
19. B. Bagheri, M. Abbasi, Amin Abdollahzadeh, Ehsan Mirsalehi,Effect of second-phase particle size and presence of vibration on AZ91/SiC surface composite layer produced by FSP,Transactions of Nonferrous Metals Society of China,2020.
20. B. Bagheri, M. Abbasi,Development of AZ91/SiC surface composite by FSP: effect of vibration and process parameters on microstructure and mechanical characteristics,Advances In Manufacturing,2020.
21. B. Bagheri, M. Abbasi, M. Dadaei,Mechanical Behavior and Microstructure of AA6061-T6 Joints Made by Friction Stir Vibration Welding,Journal of Materials Engineering and Performance,2020.
22. B. Bagheri, M. Abbasi, M. Dadaei,Effect of Water Cooling and Vibration on the Performances of Friction-Stir-Welded AA5083 Aluminum Joints,Metallography, Microstructure, and Analysis,2020.
23. B. Bagheri, M. Abbasi,Amin Abdollahzadeh,Investigation into microstructure and mechanical characteristics of AA6061-T6 joints made by FSW, FSVW, and TIG: A comparative study,International Journal of Minerals, Metallurgy and Materials,2020.