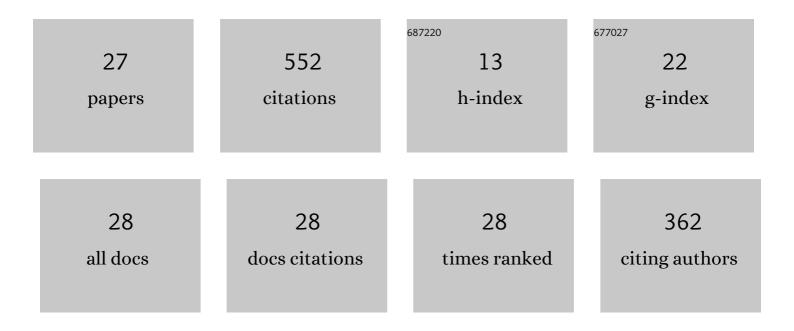
Dawei Zhao

List of Publications by Year in descending order

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Πλωει Ζηλο

| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Mechanical performance and microstructural characteristic of gas metal arc welded A606 weathering steel joints. International Journal of Advanced Manufacturing Technology, 2022, 119, 1921-1932. | 1.5 | 9 |
| 2 | Multi-objective optimization of the resistance spot welding process using a hybrid approach. Journal of Intelligent Manufacturing, 2021, 32, 2219-2234. | 4.4 | 13 |
| 3 | Welding quality evaluation of resistance spot welding based on a hybrid approach. Journal of Intelligent Manufacturing, 2021, 32, 1819-1832. | 4.4 | 15 |
| 4 | Research on the correlation between dynamic resistance and quality estimation of resistance spot welding. Measurement: Journal of the International Measurement Confederation, 2021, 168, 108299. | 2.5 | 12 |
| 5 | The use of TOPSIS-based-desirability function approach to optimize the balances among mechanical performances, energy consumption, and production efficiency of the arc welding process. International Journal of Advanced Manufacturing Technology, 2021, 112, 3545-3559. | 1.5 | 11 |
| 6 | Statistical modeling and optimization of the resistance welding process with simultaneous expulsion magnitude consideration for high-strength low alloy steel. International Journal of Advanced Manufacturing Technology, 2021, 113, 1173-1189. | 1.5 | 6 |
| 7 | Modeling and optimization of weld bead profile with varied welding stages for weathering steel A606. International Journal of Advanced Manufacturing Technology, 2021, 116, 3179-3192. | 1.5 | 6 |
| 8 | Performances of regression model and artificial neural network in monitoring welding quality based on power signal. Journal of Materials Research and Technology, 2020, 9, 1231-1240. | 2.6 | 36 |
| 9 | Performances of dimension reduction techniques for welding quality prediction based on the dynamic resistance signal. Journal of Manufacturing Processes, 2020, 58, 335-343. | 2.8 | 10 |
| 10 | Modeling and Experimental Research on Resistance Spot Welded Joints for Dual-Phase Steel. Materials, 2019, 12, 1108. | 1.3 | 14 |
| 11 | Correlating variations in the dynamic power signature to nugget diameter in resistance spot welding using Kriging model. Measurement: Journal of the International Measurement Confederation, 2019, 135, 6-12. | 2.5 | 14 |
| 12 | Quality Estimation in Small Scale Resistance Spot Welding of Titanium Alloy Based on Dynamic Electrical Signals. ISIJ International, 2018, 58, 721-726. | 0.6 | 6 |
| 13 | A comparison of two types of neural network for weld quality prediction in small scale resistance spot welding. Mechanical Systems and Signal Processing, 2017, 93, 634-644. | 4.4 | 36 |
| 14 | An investigation into weld defects of spot-welded dual-phase steel. International Journal of Advanced Manufacturing Technology, 2017, 92, 3043-3050. | 1.5 | 14 |
| 15 | Weld quality monitoring research in small scale resistance spot welding by dynamic resistance and neural network. Measurement: Journal of the International Measurement Confederation, 2017, 99, 120-127. | 2.5 | 47 |
| 16 | Quality evaluation in small-scale resistance spot welding by electrode voltage recognition. Science and Technology of Welding and Joining, 2016, 21, 358-365. | 1.5 | 24 |
| 17 | Modeling and process analysis of resistance spot welded DP600 joints based on regression analysis. Materials and Design, 2016, 110, 676-684. | 3.3 | 42 |
| 18 | Grey relational and neural network approach for multi-objective optimization in small scale resistance spot welding of titanium alloy. Journal of Mechanical Science and Technology, 2016, 30, 2675-2682. | 0.7 | 16 |

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| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Quality monitoring based on dynamic resistance and principal component analysis in small scale resistance spot welding process. International Journal of Advanced Manufacturing Technology, 2016, 86, 3443-3451. | 1.5 | 29 |
| 20 | Multiple Quality Characteristics Prediction and Parameter Optimization in Small-Scale Resistance Spot Welding. Arabian Journal for Science and Engineering, 2016, 41, 2011-2021. | 1.1 | 8 |
| 21 | Multi-response optimization in small scale resistance spot welding of titanium alloy by principal component analysis and genetic algorithm. International Journal of Advanced Manufacturing Technology, 2016, 83, 545-559. | 1.5 | 18 |
| 22 | Multi-objective optimal design of small scale resistance spot welding process with principal component analysis and response surface methodology. Journal of Intelligent Manufacturing, 2014, 25, 1335-1348. | 4.4 | 39 |
| 23 | Process analysis and optimization for failure energy of spot welded titanium alloy. Materials & Design, 2014, 60, 479-489. | 5.1 | 25 |
| 24 | Real time monitoring weld quality of small scale resistance spot welding for titanium alloy. Measurement: Journal of the International Measurement Confederation, 2013, 46, 1957-1963. | 2.5 | 18 |
| 25 | Effects of electrode force on microstructure and mechanical behavior of the resistance spot welded DP600 joint. Materials & Design, 2013, 50, 72-77. | 5.1 | 46 |
| 26 | An effective quality assessment method for small scale resistance spot welding based on process parameters. NDT and E International, 2013, 55, 36-41. | 1.7 | 26 |
| 27 | Quality Monitoring Research of Small Scale Resistance Spot Welding Based on Voltage Signal. ISIJ International, 2013, 53, 240-244. | 0.6 | 12 |