

Boyd Panton

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

559
citations

840585

11
h-index

794469

19
g-index

20
all docs

20
docs citations

20
times ranked

389
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Laser weld formation and microstructure evolution in stainless steel alloys. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2022, 66, 1521-1534. | 1.3 | 6 |
| 2 | High-strength micro impact welding of NiTi wire to brass sheet. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2022, 66, 1799-1809. | 1.3 | 3 |
| 3 | Influence of focus and deflection when comparing electron beam welds to laser welds at varying parameters in 304 SS. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2021, 65, 1007-1014. | 1.3 | 4 |
| 4 | A review of high energy density beam processes for welding and additive manufacturing applications. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2021, 65, 1235-1306. | 1.3 | 26 |
| 5 | Superelasticity preservation in dissimilar joint of NiTi shape memory alloy to biomedical PtIr. <i>Materialia</i> , 2021, 16, 101090. | 1.3 | 12 |
| 6 | Laser Alloying as an Effective Way to Fabricate NiTiPt Shape Memory Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2021, 52, 4368-4378. | 1.1 | 1 |
| 7 | Controlling intermetallic compounds formation during laser welding of NiTi to 316L stainless steel. <i>Intermetallics</i> , 2020, 116, 106656. | 1.8 | 67 |
| 8 | High strength welding of NiTi and stainless steel by impact: Process, structure and properties. <i>Materials Today Communications</i> , 2020, 25, 101306. | 0.9 | 8 |
| 9 | Effect of Laser Positioning on the Microstructure and Properties of NiTi-Copper Dissimilar Laser Welds. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 849-857. | 1.2 | 19 |
| 10 | High strength impact welding of NiTi and stainless steel wires. <i>Smart Materials and Structures</i> , 2020, 29, 105023. | 1.8 | 11 |
| 11 | Effects of post-processing on the thermomechanical fatigue properties of laser modified NiTi. <i>International Journal of Fatigue</i> , 2019, 118, 307-315. | 2.8 | 12 |
| 12 | A stabilized, high stress self-biasing shape memory alloy actuator. <i>Smart Materials and Structures</i> , 2016, 25, 095027. | 1.8 | 10 |
| 13 | Thermomechanical fatigue of post-weld heat treated NiTi shape memory alloy wires. <i>International Journal of Fatigue</i> , 2016, 92, 1-7. | 2.8 | 21 |
| 14 | Laser joining of NiTi to Ti6Al4V using a Niobium interlayer. <i>Acta Materialia</i> , 2016, 105, 9-15. | 3.8 | 181 |
| 15 | Local composition and microstructure control for multiple pseudoelastic plateau and hybrid self-biasing shape memory alloys. <i>Materials and Design</i> , 2016, 92, 802-813. | 3.3 | 12 |
| 16 | Laser welded superelastic Cu-Al-Mn shape memory alloy wires. <i>Materials and Design</i> , 2016, 90, 122-128. | 3.3 | 68 |
| 17 | Dissimilar laser welding of NiTi shape memory alloy and copper. <i>Smart Materials and Structures</i> , 2015, 24, 125036. | 1.8 | 49 |
| 18 | Dissimilar Laser Joining of NiTi SMA and MP35N Wires. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014, 45, 3533-3544. | 1.1 | 31 |

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|----|---|-----|-----------|
| 19 | An Experimental Study of Transient Liquid Phase Bonding of the Ternary Ag-Au-Cu System Using Differential Scanning Calorimetry. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 3708-3720. | 1.1 | 17 |
| 20 | An Innovative Laser-Processed NiTi Self-Biasing Linear Actuator. , 2013, , . | | 1 |