

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |
| --- |
| Dear Reader, |
| We are pleased to deliver your requested table of contents alert for **Welding in the World**. [Volume 66, Issue 1](http://links.springernature.com/f/a/V4nQi2Hj5gZhzpbLB9lknQ~~/AABE5gA~/RgRj1QhSP0SKaHR0cDovL2xpbmsuc3ByaW5nZXIuY29tL2pvdXJuYWwvNDAxOTQvNjYvMT91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjZfMSZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjIwMTI3VwNzcGNCCmHgUoPyYXxRbM1SEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) is now available online. |
|  |

 |

 |

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
| Welding in the World cover image |

 |

 |

 |

 |

 |

 |
|

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
|  |

 |

 |

 |

 |

 |
|

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
|  |

 |

 |

 |
|

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |
| --- |
| In this issue |
|

|  |
| --- |
|    |

 |

 |

 |

 |

 |

 |
|

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
| Review Article |

 |

 |

|  |  |
| --- | --- |
|

|  |
| --- |
|  |

 |

 |

 |

 |

 |
|

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |
| --- |
| [A review on friction stir welding of thermoplastic materials: recent advances and progress](http://links.springernature.com/f/a/hiOLVR1ty7zV4EN7JTfvgQ~~/AABE5gA~/RgRj1QhSP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTE3OC0wP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjAxMjdXA3NwY0IKYeBSg_JhfFFszVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Mohamed A. E. Omer, Maher Rashad, Ammar H. Elsheikh, Ezzat A. Showaib |

 |

 |

 |

 |

 |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
| [**» Abstract**](http://links.springernature.com/f/a/hiOLVR1ty7zV4EN7JTfvgQ~~/AABE5gA~/RgRj1QhSP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTE3OC0wP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjAxMjdXA3NwY0IKYeBSg_JhfFFszVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](http://links.springernature.com/f/a/hiOLVR1ty7zV4EN7JTfvgQ~~/AABE5gA~/RgRj1QhSP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTE3OC0wP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjAxMjdXA3NwY0IKYeBSg_JhfFFszVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](http://links.springernature.com/f/a/_xJFREdDAuS45MU7goJs4g~~/AABE5gA~/RgRj1QhSP0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjEtMDExNzgtMD91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjZfMSZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjIwMTI3VwNzcGNCCmHgUoPyYXxRbM1SEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |

 |

 |

 |

 |
|

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
| Research Paper |

 |

 |

|  |  |
| --- | --- |
|

|  |
| --- |
|  |

 |

 |

 |

 |

 |
|

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |
| --- |
| [Modeling ultrasonic welding of polymers using an optimized artificial intelligence model using a gradient-based optimizer](http://links.springernature.com/f/a/xlh2oYjHvKwMXdWIJ8yRJw~~/AABE5gA~/RgRj1QhSP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTE5Ny14P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjAxMjdXA3NwY0IKYeBSg_JhfFFszVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Ammar H. Elsheikh, Mohamed Abd Elaziz, Arungalai Vendan |

 |

 |

 |

 |

 |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
| [**» Abstract**](http://links.springernature.com/f/a/xlh2oYjHvKwMXdWIJ8yRJw~~/AABE5gA~/RgRj1QhSP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTE5Ny14P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjAxMjdXA3NwY0IKYeBSg_JhfFFszVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](http://links.springernature.com/f/a/xlh2oYjHvKwMXdWIJ8yRJw~~/AABE5gA~/RgRj1QhSP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTE5Ny14P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjAxMjdXA3NwY0IKYeBSg_JhfFFszVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](http://links.springernature.com/f/a/S-cqbXjQHzTEicbFLHZGqQ~~/AABE5gA~/RgRj1QhSP0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjEtMDExOTcteD91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjZfMSZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjIwMTI3VwNzcGNCCmHgUoPyYXxRbM1SEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |

 |

 |

 |

 |
|

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
| Research Paper |

 |

 |

|  |  |
| --- | --- |
|

|  |
| --- |
| Open Access |

 |

 |

 |

 |

 |
|

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |
| --- |
| [Development of a new joining technology for hybrid joints of sheet metal and continuous fiber-reinforced thermoplastics](http://links.springernature.com/f/a/qBrDCg10gJ4ys-CShAyo3g~~/AABE5gA~/RgRj1QhSP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTE5NC0wP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjAxMjdXA3NwY0IKYeBSg_JhfFFszVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Dimitri Krassmann, Elmar Moritzer |

 |

 |

 |

 |

 |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
| [**» Abstract**](http://links.springernature.com/f/a/qBrDCg10gJ4ys-CShAyo3g~~/AABE5gA~/RgRj1QhSP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTE5NC0wP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjAxMjdXA3NwY0IKYeBSg_JhfFFszVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](http://links.springernature.com/f/a/qBrDCg10gJ4ys-CShAyo3g~~/AABE5gA~/RgRj1QhSP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTE5NC0wP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjAxMjdXA3NwY0IKYeBSg_JhfFFszVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](http://links.springernature.com/f/a/ca1PvSm-ddo-uW8qAQBa_A~~/AABE5gA~/RgRj1QhSP0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjEtMDExOTQtMD91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjZfMSZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjIwMTI3VwNzcGNCCmHgUoPyYXxRbM1SEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |

 |

 |

 |

 |
|

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
| Research Paper |

 |

 |

|  |  |
| --- | --- |
|

|  |
| --- |
|  |

 |

 |

 |

 |

 |
|

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |
| --- |
| [Effect of C/C composite surface pretreatment on properties of brazed joint](http://links.springernature.com/f/a/pAVkzJoTFzfb9uU5qsihDg~~/AABE5gA~/RgRj1QhSP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTE4My0zP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjAxMjdXA3NwY0IKYeBSg_JhfFFszVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Shengnan Li, Quanbin Lu, Dong Du, Yinyin Pei, Lei Zhang, Huawei Sun, Weimin Long |

 |

 |

 |

 |

 |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
| [**» Abstract**](http://links.springernature.com/f/a/pAVkzJoTFzfb9uU5qsihDg~~/AABE5gA~/RgRj1QhSP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTE4My0zP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjAxMjdXA3NwY0IKYeBSg_JhfFFszVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](http://links.springernature.com/f/a/pAVkzJoTFzfb9uU5qsihDg~~/AABE5gA~/RgRj1QhSP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTE4My0zP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjAxMjdXA3NwY0IKYeBSg_JhfFFszVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](http://links.springernature.com/f/a/nXuJGd8_BERwZrXdkv1I2w~~/AABE5gA~/RgRj1QhSP0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjEtMDExODMtMz91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjZfMSZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjIwMTI3VwNzcGNCCmHgUoPyYXxRbM1SEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |

 |

 |

 |

 |
|

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
| Research Paper |

 |

 |

|  |  |
| --- | --- |
|

|  |
| --- |
|  |

 |

 |

 |

 |

 |
|

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |
| --- |
| [Gas metal arc brazing behaviour of a galvanised advanced high strength steel in short circuiting and short circuiting with pulsing modes](http://links.springernature.com/f/a/_6h30sk1XJ8EYy6YwSCZAg~~/AABE5gA~/RgRj1QhSP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTE5My0xP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjAxMjdXA3NwY0IKYeBSg_JhfFFszVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Divya Nalajala, Rama Kishore Mookara, Murugaiyan Amirthalingam |

 |

 |

 |

 |

 |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
| [**» Abstract**](http://links.springernature.com/f/a/_6h30sk1XJ8EYy6YwSCZAg~~/AABE5gA~/RgRj1QhSP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTE5My0xP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjAxMjdXA3NwY0IKYeBSg_JhfFFszVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](http://links.springernature.com/f/a/_6h30sk1XJ8EYy6YwSCZAg~~/AABE5gA~/RgRj1QhSP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTE5My0xP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjAxMjdXA3NwY0IKYeBSg_JhfFFszVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](http://links.springernature.com/f/a/vSwphFiiWAIdWgPjEA1yPQ~~/AABE5gA~/RgRj1QhSP0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjEtMDExOTMtMT91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjZfMSZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjIwMTI3VwNzcGNCCmHgUoPyYXxRbM1SEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |

 |

 |

 |

 |
|

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
| Research Paper |

 |

 |

|  |  |
| --- | --- |
|

|  |
| --- |
|  |

 |

 |

 |

 |

 |
|

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |
| --- |
| [Electron beam brazing of AISI 304 and copper dissimilar materials](http://links.springernature.com/f/a/N5LqvzFtOa4-fsNekv--pg~~/AABE5gA~/RgRj1QhSP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTIwNi16P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjAxMjdXA3NwY0IKYeBSg_JhfFFszVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Erika Hodúlová, Hong Li, Miroslav Sahul, Beáta Šimeková, Ingrid Kovaříková |

 |

 |

 |

 |

 |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
| [**» Abstract**](http://links.springernature.com/f/a/N5LqvzFtOa4-fsNekv--pg~~/AABE5gA~/RgRj1QhSP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTIwNi16P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjAxMjdXA3NwY0IKYeBSg_JhfFFszVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](http://links.springernature.com/f/a/N5LqvzFtOa4-fsNekv--pg~~/AABE5gA~/RgRj1QhSP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTIwNi16P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjAxMjdXA3NwY0IKYeBSg_JhfFFszVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](http://links.springernature.com/f/a/T68C3VARKbEd9eofF4IbtQ~~/AABE5gA~/RgRj1QhSP0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjEtMDEyMDYtej91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjZfMSZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjIwMTI3VwNzcGNCCmHgUoPyYXxRbM1SEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |

 |

 |

 |

 |
|

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
| Research Paper |

 |

 |

|  |  |
| --- | --- |
|

|  |
| --- |
| Open Access |

 |

 |

 |

 |

 |
|

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |
| --- |
| [Parameter investigation and optimization of friction stir welded AA6061/TiO2 composites through TLBO](http://links.springernature.com/f/a/hFoK3KAUpmd1CX2jhZImAQ~~/AABE5gA~/RgRj1QhSP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTE4Ny16P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjAxMjdXA3NwY0IKYeBSg_JhfFFszVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Subramanya R. Prabhu, Arun Shettigar, Mervin A. Herbert, Shrikantha S. Rao |

 |

 |

 |

 |

 |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
| [**» Abstract**](http://links.springernature.com/f/a/hFoK3KAUpmd1CX2jhZImAQ~~/AABE5gA~/RgRj1QhSP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTE4Ny16P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjAxMjdXA3NwY0IKYeBSg_JhfFFszVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](http://links.springernature.com/f/a/hFoK3KAUpmd1CX2jhZImAQ~~/AABE5gA~/RgRj1QhSP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTE4Ny16P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjAxMjdXA3NwY0IKYeBSg_JhfFFszVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](http://links.springernature.com/f/a/TsMf4KKzaA2jlLjgaFvM0Q~~/AABE5gA~/RgRj1QhSP0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjEtMDExODctej91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjZfMSZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjIwMTI3VwNzcGNCCmHgUoPyYXxRbM1SEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |

 |

 |

 |

 |
|

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
| Review Article |

 |

 |

|  |  |
| --- | --- |
|

|  |
| --- |
|  |

 |

 |

 |

 |

 |
|

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |
| --- |
| [Development of automation and artificial intelligence technology for welding and inspection process in aircraft industry](http://links.springernature.com/f/a/AaqesBUf1PtQ60Q1IcwQIQ~~/AABE5gA~/RgRj1QhSP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTIxMC0zP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjAxMjdXA3NwY0IKYeBSg_JhfFFszVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Ryoichi Tsuzuki |

 |

 |

 |

 |

 |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
| [**» Abstract**](http://links.springernature.com/f/a/AaqesBUf1PtQ60Q1IcwQIQ~~/AABE5gA~/RgRj1QhSP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTIxMC0zP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjAxMjdXA3NwY0IKYeBSg_JhfFFszVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](http://links.springernature.com/f/a/AaqesBUf1PtQ60Q1IcwQIQ~~/AABE5gA~/RgRj1QhSP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTIxMC0zP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjAxMjdXA3NwY0IKYeBSg_JhfFFszVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](http://links.springernature.com/f/a/3XPcNLRoMD4-CB95CO5_RQ~~/AABE5gA~/RgRj1QhSP0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjEtMDEyMTAtMz91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjZfMSZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjIwMTI3VwNzcGNCCmHgUoPyYXxRbM1SEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |

 |

 |

 |

 |
|

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
| Research Paper |

 |

 |

|  |  |
| --- | --- |
|

|  |
| --- |
|  |

 |

 |

 |

 |

 |
|

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |
| --- |
| [Numerical simulation of liquid bridge breakup in short-circuit transfer process](http://links.springernature.com/f/a/isYkSxNuK2Y_PnL2B3yOiA~~/AABE5gA~/RgRj1QhSP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTIwMi0zP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjAxMjdXA3NwY0IKYeBSg_JhfFFszVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Yuriko Sato, Satoshi Eda, Yosuke Ogino, Satoru Asai |

 |

 |

 |

 |

 |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
| [**» Abstract**](http://links.springernature.com/f/a/isYkSxNuK2Y_PnL2B3yOiA~~/AABE5gA~/RgRj1QhSP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTIwMi0zP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjAxMjdXA3NwY0IKYeBSg_JhfFFszVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](http://links.springernature.com/f/a/isYkSxNuK2Y_PnL2B3yOiA~~/AABE5gA~/RgRj1QhSP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTIwMi0zP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjAxMjdXA3NwY0IKYeBSg_JhfFFszVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](http://links.springernature.com/f/a/DtIRNRiqa2dKCcMb7Ej-Vg~~/AABE5gA~/RgRj1QhSP0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjEtMDEyMDItMz91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjZfMSZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjIwMTI3VwNzcGNCCmHgUoPyYXxRbM1SEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |

 |

 |

 |

 |
|

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
| Research Paper |

 |

 |

|  |  |
| --- | --- |
|

|  |
| --- |
|  |

 |

 |

 |

 |

 |
|

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |
| --- |
| [Study on the creep properties of butt fusion–welded joints of HDPE pipes using the nanoindentation test](http://links.springernature.com/f/a/4tdwubhdNYdLlgwMdvvR9w~~/AABE5gA~/RgRj1QhSP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTE4Ni0wP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjAxMjdXA3NwY0IKYeBSg_JhfFFszVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Shushan Chen, Huan Sheng Lai, Rong Lin, Xie Hang Duan |

 |

 |

 |

 |

 |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
| [**» Abstract**](http://links.springernature.com/f/a/4tdwubhdNYdLlgwMdvvR9w~~/AABE5gA~/RgRj1QhSP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTE4Ni0wP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjAxMjdXA3NwY0IKYeBSg_JhfFFszVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](http://links.springernature.com/f/a/4tdwubhdNYdLlgwMdvvR9w~~/AABE5gA~/RgRj1QhSP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTE4Ni0wP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjAxMjdXA3NwY0IKYeBSg_JhfFFszVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](http://links.springernature.com/f/a/b81g-xUy6yA4CtUvJ4LxWw~~/AABE5gA~/RgRj1QhSP0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjEtMDExODYtMD91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjZfMSZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjIwMTI3VwNzcGNCCmHgUoPyYXxRbM1SEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |

 |

 |

 |

 |
|

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
| Research Paper |

 |

 |

|  |  |
| --- | --- |
|

|  |
| --- |
|  |

 |

 |

 |

 |

 |
|

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |
| --- |
| [Fatigue behavior and microstructural evaluation of Inconel 718 gas tungsten arc welds](http://links.springernature.com/f/a/wLkImAYXY74b87wlS53rbA~~/AABE5gA~/RgRj1QhSP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTE5MC00P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjAxMjdXA3NwY0IKYeBSg_JhfFFszVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| N. K. Rodríguez, R. Cortés, R. R. Ambriz, D. Jaramillo |

 |

 |

 |

 |

 |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
| [**» Abstract**](http://links.springernature.com/f/a/wLkImAYXY74b87wlS53rbA~~/AABE5gA~/RgRj1QhSP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTE5MC00P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjAxMjdXA3NwY0IKYeBSg_JhfFFszVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](http://links.springernature.com/f/a/wLkImAYXY74b87wlS53rbA~~/AABE5gA~/RgRj1QhSP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTE5MC00P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjAxMjdXA3NwY0IKYeBSg_JhfFFszVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](http://links.springernature.com/f/a/s9nwwF7EfdpkTzBPebrvXQ~~/AABE5gA~/RgRj1QhSP0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjEtMDExOTAtND91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjZfMSZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjIwMTI3VwNzcGNCCmHgUoPyYXxRbM1SEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |

 |

 |

 |

 |
|

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
| Research Paper |

 |

 |

|  |  |
| --- | --- |
|

|  |
| --- |
| Open Access |

 |

 |

 |

 |

 |
|

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |
| --- |
| [Statistical analysis of sub-zero temperature effects on fatigue strength of welded joints](http://links.springernature.com/f/a/AoKcHcqUj9bATz8Ta4T-bA~~/AABE5gA~/RgRj1QhSP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTIwNy15P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjAxMjdXA3NwY0IKYeBSg_JhfFFszVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Moritz Braun |

 |

 |

 |

 |

 |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
| [**» Abstract**](http://links.springernature.com/f/a/AoKcHcqUj9bATz8Ta4T-bA~~/AABE5gA~/RgRj1QhSP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTIwNy15P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjAxMjdXA3NwY0IKYeBSg_JhfFFszVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](http://links.springernature.com/f/a/AoKcHcqUj9bATz8Ta4T-bA~~/AABE5gA~/RgRj1QhSP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTIwNy15P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjAxMjdXA3NwY0IKYeBSg_JhfFFszVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](http://links.springernature.com/f/a/KmcFr-QH3qHF8kbsvEffWg~~/AABE5gA~/RgRj1QhSP0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjEtMDEyMDcteT91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjZfMSZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjIwMTI3VwNzcGNCCmHgUoPyYXxRbM1SEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |

 |

 |

 |

 |
|

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
| Obituary |

 |

 |

|  |  |
| --- | --- |
|

|  |
| --- |
|  |

 |

 |

 |

 |

 |
|

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |
| --- |
| [Obituary: David J. Landon](http://links.springernature.com/f/a/DGE8aLm0miQ1FfuiM6B_8g~~/AABE5gA~/RgRj1QhSP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTIyMC0xP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjAxMjdXA3NwY0IKYeBSg_JhfFFszVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Luca Costa |

 |

 |

 |

 |

 |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
| [**» Abstract**](http://links.springernature.com/f/a/DGE8aLm0miQ1FfuiM6B_8g~~/AABE5gA~/RgRj1QhSP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTIyMC0xP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjAxMjdXA3NwY0IKYeBSg_JhfFFszVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](http://links.springernature.com/f/a/DGE8aLm0miQ1FfuiM6B_8g~~/AABE5gA~/RgRj1QhSP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTIyMC0xP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjAxMjdXA3NwY0IKYeBSg_JhfFFszVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](http://links.springernature.com/f/a/UX92KUhFa-J9_VZOUba2cA~~/AABE5gA~/RgRj1QhSP0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjEtMDEyMjAtMT91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjZfMSZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjIwMTI3VwNzcGNCCmHgUoPyYXxRbM1SEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |

 |

 |

 |

 |
|

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |  |
| --- | --- |
|

|  |
| --- |
|    |

 |

 |

 |

 |

 |