**OBSAH**

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

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

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

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

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

|  |
| --- |
| Research Paper |

 |

 |

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

|  |
| --- |
|  |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| [High cycle fatigue behaviour of thin sheet joints of aluminium-lithium alloys under constant and variable amplitude loading](http://links.springernature.com/f/a/XMP-zrXV9mlBOU5ER9_wEQ~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk3Ni0yP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |
| Sviatoslav Motrunich, Illia Klochkov, Anatoliy Poklaytsky |

 |

 |

 |

 |

 |
|

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

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

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

|  |
| --- |
| [**» Abstract**](http://links.springernature.com/f/a/XMP-zrXV9mlBOU5ER9_wEQ~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk3Ni0yP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~)    [**» Full text HTML**](http://links.springernature.com/f/a/XMP-zrXV9mlBOU5ER9_wEQ~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk3Ni0yP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) [**» Full text PDF**](http://links.springernature.com/f/a/LVhOIyEULUQXFGESVsJdSw~~/AABE5gA~/RgRhjNYhP0SgaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjAtMDA5NzYtMj91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjRfMTImdXRtX2NvbnRlbnQ9ZXRvY19zcHJpbmdlcl8yMDIwMTExMFcDc3BjQgoANSFRql_TavQlUhJjd3MtYW5iQGN3cy1hbmIuY3pYBAAABx4~) |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| Research Paper |

 |

 |

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

|  |
| --- |
|  |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| [Numerical investigation on stress distribution and evolution in 9Cr/2.25Cr dissimilar welded rotor undergoing welding and heat treatment](http://links.springernature.com/f/a/yetLglfVs-qSubcxOwhpsA~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk3Ny0xP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |
| Mengjia Hu, Kejian Li, Shanlin Li, Zhipeng Cai, Jiluan Pan |

 |

 |

 |

 |

 |
|

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

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

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

|  |
| --- |
| [**» Abstract**](http://links.springernature.com/f/a/yetLglfVs-qSubcxOwhpsA~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk3Ny0xP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~)    [**» Full text HTML**](http://links.springernature.com/f/a/yetLglfVs-qSubcxOwhpsA~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk3Ny0xP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) [**» Full text PDF**](http://links.springernature.com/f/a/RCTLmDbPdgE11p0KEloDTw~~/AABE5gA~/RgRhjNYhP0SgaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjAtMDA5NzctMT91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjRfMTImdXRtX2NvbnRlbnQ9ZXRvY19zcHJpbmdlcl8yMDIwMTExMFcDc3BjQgoANSFRql_TavQlUhJjd3MtYW5iQGN3cy1hbmIuY3pYBAAABx4~) |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| Research Paper |

 |

 |

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

|  |
| --- |
| Open Access |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| [Hydrogen-assisted cracking in GMA welding of high-strength structural steels using the modified spray arc process](http://links.springernature.com/f/a/Kh9TyiCWNxc4WVGFfx_urQ~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk3OC0wP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |
| Thomas Schaupp, Michael Rhode, Hamza Yahyaoui, Thomas Kannengiesser |

 |

 |

 |

 |

 |
|

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

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

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

|  |
| --- |
| [**» Abstract**](http://links.springernature.com/f/a/Kh9TyiCWNxc4WVGFfx_urQ~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk3OC0wP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~)    [**» Full text HTML**](http://links.springernature.com/f/a/Kh9TyiCWNxc4WVGFfx_urQ~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk3OC0wP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) [**» Full text PDF**](http://links.springernature.com/f/a/w6R4TWojoL4zzPJ6myZRVA~~/AABE5gA~/RgRhjNYhP0SgaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjAtMDA5NzgtMD91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjRfMTImdXRtX2NvbnRlbnQ9ZXRvY19zcHJpbmdlcl8yMDIwMTExMFcDc3BjQgoANSFRql_TavQlUhJjd3MtYW5iQGN3cy1hbmIuY3pYBAAABx4~) |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| Research Paper |

 |

 |

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

|  |
| --- |
|  |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| [Three-dimensional numerical model of short-circuiting transfer in GMAW](http://links.springernature.com/f/a/NAQBR81wAYNTxrHgAR90tg~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk3OS16P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |
| K. Hashimoto, Y. Hirata, K. Kadota, Y. Ogino |

 |

 |

 |

 |

 |
|

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

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

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

|  |
| --- |
| [**» Abstract**](http://links.springernature.com/f/a/NAQBR81wAYNTxrHgAR90tg~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk3OS16P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~)    [**» Full text HTML**](http://links.springernature.com/f/a/NAQBR81wAYNTxrHgAR90tg~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk3OS16P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) [**» Full text PDF**](http://links.springernature.com/f/a/5fe1tGAxxRK2bOiuDO6EPw~~/AABE5gA~/RgRhjNYhP0SgaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjAtMDA5Nzktej91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjRfMTImdXRtX2NvbnRlbnQ9ZXRvY19zcHJpbmdlcl8yMDIwMTExMFcDc3BjQgoANSFRql_TavQlUhJjd3MtYW5iQGN3cy1hbmIuY3pYBAAABx4~) |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| Research Paper |

 |

 |

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

|  |
| --- |
|  |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| [Numerical investigation of the influence of FSW parameters on the heat and mass transfer of austenitic stainless steels](http://links.springernature.com/f/a/4MhuqtjgmBdG54z4nigRLg~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk4MC02P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |
| Yuri C. Silva, Francisco J. V. Oliveira Júnior, Jorge F. Santos, Francisco Marcondes, Cleiton Silva |

 |

 |

 |

 |

 |
|

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

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

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

|  |
| --- |
| [**» Abstract**](http://links.springernature.com/f/a/4MhuqtjgmBdG54z4nigRLg~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk4MC02P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~)    [**» Full text HTML**](http://links.springernature.com/f/a/4MhuqtjgmBdG54z4nigRLg~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk4MC02P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) [**» Full text PDF**](http://links.springernature.com/f/a/n0kxnYuuyweaKPTdj0us0g~~/AABE5gA~/RgRhjNYhP0SgaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjAtMDA5ODAtNj91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjRfMTImdXRtX2NvbnRlbnQ9ZXRvY19zcHJpbmdlcl8yMDIwMTExMFcDc3BjQgoANSFRql_TavQlUhJjd3MtYW5iQGN3cy1hbmIuY3pYBAAABx4~) |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| Research Paper |

 |

 |

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

|  |
| --- |
|  |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| [Effects of welding parameters on micro-junction structure and fracture behavior of refill friction stir spot welded joints for 2060 aluminum alloys](http://links.springernature.com/f/a/AJcSx-qyJQnHSdIvsyDb3w~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk4MS01P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |
| Yue Wang, Peng Chai |

 |

 |

 |

 |

 |
|

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

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

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

|  |
| --- |
| [**» Abstract**](http://links.springernature.com/f/a/AJcSx-qyJQnHSdIvsyDb3w~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk4MS01P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~)    [**» Full text HTML**](http://links.springernature.com/f/a/AJcSx-qyJQnHSdIvsyDb3w~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk4MS01P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) [**» Full text PDF**](http://links.springernature.com/f/a/9LVL4KqOqZ__emBlZ7csWQ~~/AABE5gA~/RgRhjNYhP0SgaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjAtMDA5ODEtNT91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjRfMTImdXRtX2NvbnRlbnQ9ZXRvY19zcHJpbmdlcl8yMDIwMTExMFcDc3BjQgoANSFRql_TavQlUhJjd3MtYW5iQGN3cy1hbmIuY3pYBAAABx4~) |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| Research Paper |

 |

 |

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

|  |
| --- |
|  |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| [Determination of notch factors for welded butt joints based on numerical analysis and metamodeling](http://links.springernature.com/f/a/wGxf07EtusjKAhU5HFyz1g~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk4Mi00P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |
| Markus Oswald, Josef Neuhäusler, Klemens Rother |

 |

 |

 |

 |

 |
|

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

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

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

|  |
| --- |
| [**» Abstract**](http://links.springernature.com/f/a/wGxf07EtusjKAhU5HFyz1g~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk4Mi00P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~)    [**» Full text HTML**](http://links.springernature.com/f/a/wGxf07EtusjKAhU5HFyz1g~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk4Mi00P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) [**» Full text PDF**](http://links.springernature.com/f/a/7T5hCod8Tw6FJF-NJBf3Ww~~/AABE5gA~/RgRhjNYhP0SgaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjAtMDA5ODItND91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjRfMTImdXRtX2NvbnRlbnQ9ZXRvY19zcHJpbmdlcl8yMDIwMTExMFcDc3BjQgoANSFRql_TavQlUhJjd3MtYW5iQGN3cy1hbmIuY3pYBAAABx4~) |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| Research Paper |

 |

 |

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

|  |
| --- |
|  |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| [Numerical investigation on the fracture driving force of laser welds and arc welds](http://links.springernature.com/f/a/z7DU56R-hTgZYMKX619eEw~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk4My0zP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |
| Chendong Shao, Haichao Cui, Yasuhito Takashima, Fumiyoshi Minami, Fenggui Lu |

 |

 |

 |

 |

 |
|

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

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

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

|  |
| --- |
| [**» Abstract**](http://links.springernature.com/f/a/z7DU56R-hTgZYMKX619eEw~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk4My0zP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~)    [**» Full text HTML**](http://links.springernature.com/f/a/z7DU56R-hTgZYMKX619eEw~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk4My0zP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) [**» Full text PDF**](http://links.springernature.com/f/a/Llx-M5w9EBbCm7LZzrMmjQ~~/AABE5gA~/RgRhjNYhP0SgaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjAtMDA5ODMtMz91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjRfMTImdXRtX2NvbnRlbnQ9ZXRvY19zcHJpbmdlcl8yMDIwMTExMFcDc3BjQgoANSFRql_TavQlUhJjd3MtYW5iQGN3cy1hbmIuY3pYBAAABx4~) |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| Research Paper |

 |

 |

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

|  |
| --- |
| Open Access |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| [Local mechanical properties of explosively welded AA2519-AA1050-Ti6Al4V layered material](http://links.springernature.com/f/a/y92URFQxi_hi5DPBvhjJrg~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk4NC0yP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |
| Dariusz Boroński |

 |

 |

 |

 |

 |
|

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

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

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

|  |
| --- |
| [**» Abstract**](http://links.springernature.com/f/a/y92URFQxi_hi5DPBvhjJrg~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk4NC0yP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~)    [**» Full text HTML**](http://links.springernature.com/f/a/y92URFQxi_hi5DPBvhjJrg~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk4NC0yP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) [**» Full text PDF**](http://links.springernature.com/f/a/IcnyICY-aCCBhXZtVeUKOQ~~/AABE5gA~/RgRhjNYhP0SgaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjAtMDA5ODQtMj91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjRfMTImdXRtX2NvbnRlbnQ9ZXRvY19zcHJpbmdlcl8yMDIwMTExMFcDc3BjQgoANSFRql_TavQlUhJjd3MtYW5iQGN3cy1hbmIuY3pYBAAABx4~) |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| Research Paper |

 |

 |

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

|  |
| --- |
|  |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| [Experimental and numerical simulation of mechanical behavior of micro-scale SAC305 solder joint based on joint height](http://links.springernature.com/f/a/uQ9svSJYldfh4vmbo1Zt5w~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk4NS0xP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |
| Limeng Yin, Cunguo Zuo, Zhongwen Zhang, Gang Wang, Zongxiang Yao, Zilong Su, Naiwen Fang |

 |

 |

 |

 |

 |
|

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

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

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

|  |
| --- |
| [**» Abstract**](http://links.springernature.com/f/a/uQ9svSJYldfh4vmbo1Zt5w~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk4NS0xP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~)    [**» Full text HTML**](http://links.springernature.com/f/a/uQ9svSJYldfh4vmbo1Zt5w~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk4NS0xP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) [**» Full text PDF**](http://links.springernature.com/f/a/f8GQrsS8JklWYwUzBI__SA~~/AABE5gA~/RgRhjNYhP0SgaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjAtMDA5ODUtMT91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjRfMTImdXRtX2NvbnRlbnQ9ZXRvY19zcHJpbmdlcl8yMDIwMTExMFcDc3BjQgoANSFRql_TavQlUhJjd3MtYW5iQGN3cy1hbmIuY3pYBAAABx4~) |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| Research Paper |

 |

 |

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

|  |
| --- |
| Open Access |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| [Analysis of metal transfer and weld geometry in hot-wire GTAW with indirect resistive heating](http://links.springernature.com/f/a/3fpMXFgtbtrXzFuZ2stk8g~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk4Ni0wP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |
| T. Ungethüm, E. Spaniol, M. Hertel, U. Füssel |

 |

 |

 |

 |

 |
|

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

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

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

|  |
| --- |
| [**» Abstract**](http://links.springernature.com/f/a/3fpMXFgtbtrXzFuZ2stk8g~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk4Ni0wP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~)    [**» Full text HTML**](http://links.springernature.com/f/a/3fpMXFgtbtrXzFuZ2stk8g~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk4Ni0wP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) [**» Full text PDF**](http://links.springernature.com/f/a/rduraQE36T1J4mSYGeEgEw~~/AABE5gA~/RgRhjNYhP0SgaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjAtMDA5ODYtMD91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjRfMTImdXRtX2NvbnRlbnQ9ZXRvY19zcHJpbmdlcl8yMDIwMTExMFcDc3BjQgoANSFRql_TavQlUhJjd3MtYW5iQGN3cy1hbmIuY3pYBAAABx4~) |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| Research Paper |

 |

 |

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

|  |
| --- |
| Open Access |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| [Improving the properties of AA7075 resistance spot-welded joints by chemical oxide removal and post weld heat treating](http://links.springernature.com/f/a/UQCq31oblZyzWvDJ7mb_jw~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk4OC15P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |
| Marcell Gáspár, Ádám Dobosy, Miklós Tisza, Imre Török, Yangchun Dong, Kailun Zheng |

 |

 |

 |

 |

 |
|

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

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

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

|  |
| --- |
| [**» Abstract**](http://links.springernature.com/f/a/UQCq31oblZyzWvDJ7mb_jw~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk4OC15P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~)    [**» Full text HTML**](http://links.springernature.com/f/a/UQCq31oblZyzWvDJ7mb_jw~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk4OC15P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) [**» Full text PDF**](http://links.springernature.com/f/a/5CTFmU5dHnVMbQHZxcGzFw~~/AABE5gA~/RgRhjNYhP0SgaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjAtMDA5ODgteT91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjRfMTImdXRtX2NvbnRlbnQ9ZXRvY19zcHJpbmdlcl8yMDIwMTExMFcDc3BjQgoANSFRql_TavQlUhJjd3MtYW5iQGN3cy1hbmIuY3pYBAAABx4~) |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| Research Paper |

 |

 |

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

|  |
| --- |
|  |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| [Bonding pressure effects on characteristics of microstructure, mechanical properties, and mass diffusivity of Ti-6Al-4V and TiAlNb diffusion-bonded joints](http://links.springernature.com/f/a/NJm2pwklKsECWeCmMU55vA~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk4OS14P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |
| J. Kundu, A. Chakraborty, S. Kundu |

 |

 |

 |

 |

 |
|

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

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

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

|  |
| --- |
| [**» Abstract**](http://links.springernature.com/f/a/NJm2pwklKsECWeCmMU55vA~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk4OS14P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~)    [**» Full text HTML**](http://links.springernature.com/f/a/NJm2pwklKsECWeCmMU55vA~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk4OS14P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) [**» Full text PDF**](http://links.springernature.com/f/a/GbMzZka6JZoNfFinmYqTUw~~/AABE5gA~/RgRhjNYhP0SgaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjAtMDA5ODkteD91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjRfMTImdXRtX2NvbnRlbnQ9ZXRvY19zcHJpbmdlcl8yMDIwMTExMFcDc3BjQgoANSFRql_TavQlUhJjd3MtYW5iQGN3cy1hbmIuY3pYBAAABx4~) |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| Research Paper |

 |

 |

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

|  |
| --- |
|  |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| [Numerical investigation of heat, flow and particle trajectory in A-TIG welding pool of 304L-SS](http://links.springernature.com/f/a/6piEBRid5K-O1V_ctioGEA~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk5MC00P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |
| Sara Pourmand, Amin Ramiani Jafari, Alireza Ebrahimi |

 |

 |

 |

 |

 |
|

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

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

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

|  |
| --- |
| [**» Abstract**](http://links.springernature.com/f/a/6piEBRid5K-O1V_ctioGEA~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk5MC00P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~)    [**» Full text HTML**](http://links.springernature.com/f/a/6piEBRid5K-O1V_ctioGEA~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk5MC00P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) [**» Full text PDF**](http://links.springernature.com/f/a/Cid0g_845JI4-8Ut-UaklA~~/AABE5gA~/RgRhjNYhP0SgaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjAtMDA5OTAtND91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjRfMTImdXRtX2NvbnRlbnQ9ZXRvY19zcHJpbmdlcl8yMDIwMTExMFcDc3BjQgoANSFRql_TavQlUhJjd3MtYW5iQGN3cy1hbmIuY3pYBAAABx4~) |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| Research Paper |

 |

 |

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

|  |
| --- |
| Open Access |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| [Microstructural and mechanical properties of dissimilar nitinol and stainless steel wire joints produced by micro electron beam welding without filler material](http://links.springernature.com/f/a/00inOPKg67HWxkpJS_rpdw~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk5MS0zP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |
| Sebastian Hellberg, Joana Hummel, Philipp Krooß, Thomas Niendorf, Stefan Böhm |

 |

 |

 |

 |

 |
|

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

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

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

|  |
| --- |
| [**» Abstract**](http://links.springernature.com/f/a/00inOPKg67HWxkpJS_rpdw~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk5MS0zP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~)    [**» Full text HTML**](http://links.springernature.com/f/a/00inOPKg67HWxkpJS_rpdw~~/AABE5gA~/RgRhjNYhP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk5MS0zP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMTEwVwNzcGNCCgA1IVGqX9Nq9CVSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) [**» Full text PDF**](http://links.springernature.com/f/a/gaU1U_WyO-rHdAUy1Hflpw~~/AABE5gA~/RgRhjNYhP0SgaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjAtMDA5OTEtMz91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjRfMTImdXRtX2NvbnRlbnQ9ZXRvY19zcHJpbmdlcl8yMDIwMTExMFcDc3BjQgoANSFRql_TavQlUhJjd3MtYW5iQGN3cy1hbmIuY3pYBAAABx4~) |

 |

 |

 |

 |