

|  |
| --- |
| Dear Reader, |
| We are pleased to deliver your requested table of contents alert for **Welding in the World**. [Volume 68, Issue 6](https://links.springernature.com/f/a/efrZ1PztNiMgb5kqu1SOVg~~/AABE5gA~/RgRoKE46P0SKaHR0cDovL2xpbmsuc3ByaW5nZXIuY29tL2pvdXJuYWwvNDAxOTQvNjgvNj91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjhfNiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjQwNTE2VwNzcGNCCmYzOslFZsHwdaFSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) is now available online. |

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

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

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

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

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

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

|  |
| --- |
|    |

 |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| Research Paper |

 |

 |

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

|  |
| --- |
| Open Access |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| [Effect of partial and global shielding on surface-driven phenomena in keyhole mode laser beam welding](https://links.springernature.com/f/a/TN6_Jzwbw9As22jIBNsf_w~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTYyNy15P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Leander Schmidt, Klaus Schricker, Christian Diegel, Florian Sachs, Jean Pierre Bergmann, Andrea Knauer, Henry Romanus, Herwig Requardt, Yunhui Chen, Alexander Rack |

 |

 |

 |

 |

 |
|

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

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

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

|  |
| --- |
| [**» Abstract**](https://links.springernature.com/f/a/TN6_Jzwbw9As22jIBNsf_w~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTYyNy15P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](https://links.springernature.com/f/a/TN6_Jzwbw9As22jIBNsf_w~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTYyNy15P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](https://links.springernature.com/f/a/8J8xqk7Ef-Z3TdS2jSKPbQ~~/AABE5gA~/RgRoKE46P0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjMtMDE2MjcteT91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjhfNiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjQwNTE2VwNzcGNCCmYzOslFZsHwdaFSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| Research Paper |

 |

 |

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

|  |
| --- |
|  |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| [Elucidation of dissimilar material joining phenomena on steel and aluminum alloy using hot-wire laser brazing](https://links.springernature.com/f/a/6VMtAd33feEyK2YgJ0rgMA~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTY2Ny00P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Tamaki Ito, Kai Tomita, Koichi Taniguchi, Satoshi Igi, Motomichi Yamamoto |

 |

 |

 |

 |

 |
|

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

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

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

|  |
| --- |
| [**» Abstract**](https://links.springernature.com/f/a/6VMtAd33feEyK2YgJ0rgMA~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTY2Ny00P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](https://links.springernature.com/f/a/6VMtAd33feEyK2YgJ0rgMA~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTY2Ny00P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](https://links.springernature.com/f/a/EoHBFyVI3xEkDR0Xh96PjA~~/AABE5gA~/RgRoKE46P0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjMtMDE2NjctND91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjhfNiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjQwNTE2VwNzcGNCCmYzOslFZsHwdaFSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| Research Paper |

 |

 |

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

|  |
| --- |
|  |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| [Enhancing microstructural and mechanical characteristics of laser welded NiTi SMA/304 SS lap joints with medium and high entropy alloy fillers](https://links.springernature.com/f/a/fH_3YTeunbT0RIRIothTHg~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTY2OC0zP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Yipeng Wang, Dongni Zhang, Hong Li, Zhuoxin Li, Zijia Yang, Xin Chen, Baoqiang Cong |

 |

 |

 |

 |

 |
|

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

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

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

|  |
| --- |
| [**» Abstract**](https://links.springernature.com/f/a/fH_3YTeunbT0RIRIothTHg~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTY2OC0zP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](https://links.springernature.com/f/a/fH_3YTeunbT0RIRIothTHg~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTY2OC0zP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](https://links.springernature.com/f/a/Dt3NM0a9m-rgJIq-f-kEZw~~/AABE5gA~/RgRoKE46P0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjMtMDE2NjgtMz91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjhfNiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjQwNTE2VwNzcGNCCmYzOslFZsHwdaFSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| Research Paper |

 |

 |

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

|  |
| --- |
| Open Access |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| [Combined experimental and theoretical approach to improve measurement accuracy of temperature-dependent reflectance of copper for near-infrared lasers](https://links.springernature.com/f/a/LsiehXXRecsaATxBXsrgxA~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTY3Mi03P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Manuel Mattern, Lalit Mohan Kukreja, Andreas Ostendorf |

 |

 |

 |

 |

 |
|

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

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

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

|  |
| --- |
| [**» Abstract**](https://links.springernature.com/f/a/LsiehXXRecsaATxBXsrgxA~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTY3Mi03P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](https://links.springernature.com/f/a/LsiehXXRecsaATxBXsrgxA~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTY3Mi03P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](https://links.springernature.com/f/a/T0y51IYFoNqirSWoyaVa6w~~/AABE5gA~/RgRoKE46P0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjMtMDE2NzItNz91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjhfNiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjQwNTE2VwNzcGNCCmYzOslFZsHwdaFSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| Research Paper |

 |

 |

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

|  |
| --- |
|  |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| [High-speed synchrotron x-ray imaging and multi-physics modeling of molten pool and gas dynamics in laser additive manufacturing of a medium-entropy alloy](https://links.springernature.com/f/a/e3C4kn0jtKUmVoY3Yj7m4Q~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTY3My02P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Dongsheng Wu, Yuan Li, Tao Sun, Guoai He, Qinghuan Huo, Ninshu Ma, Youxiong Ye |

 |

 |

 |

 |

 |
|

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

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

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

|  |
| --- |
| [**» Abstract**](https://links.springernature.com/f/a/e3C4kn0jtKUmVoY3Yj7m4Q~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTY3My02P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](https://links.springernature.com/f/a/e3C4kn0jtKUmVoY3Yj7m4Q~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTY3My02P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](https://links.springernature.com/f/a/Gwoi6wDpT9uPiRZbhgcZAw~~/AABE5gA~/RgRoKE46P0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjMtMDE2NzMtNj91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjhfNiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjQwNTE2VwNzcGNCCmYzOslFZsHwdaFSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| Research Paper |

 |

 |

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

|  |
| --- |
|  |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| [Laser beam welding of 316L stainless steel to Kovar alloy (UNS K94610) lap joint for a space X-ray counterpart collection device](https://links.springernature.com/f/a/EmNjVDK-Cn0EAevG2qV8Fw~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTY4Mi16P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Guangjie Xia, Canyang Chen, Jie Jia, Wei Huang, Hongbang Liu, Yu Long |

 |

 |

 |

 |

 |
|

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

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

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

|  |
| --- |
| [**» Abstract**](https://links.springernature.com/f/a/EmNjVDK-Cn0EAevG2qV8Fw~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTY4Mi16P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](https://links.springernature.com/f/a/EmNjVDK-Cn0EAevG2qV8Fw~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTY4Mi16P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](https://links.springernature.com/f/a/bS3yr2As22nYAoXUxbGTEA~~/AABE5gA~/RgRoKE46P0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjQtMDE2ODItej91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjhfNiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjQwNTE2VwNzcGNCCmYzOslFZsHwdaFSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| Research Paper |

 |

 |

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

|  |
| --- |
| Open Access |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| [Suppression of spiking defects in deep penetration electron beam welded ETP copper](https://links.springernature.com/f/a/32U--fMgtZ_JLN64acT43g~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTY4NC14P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Konrad Kerber, Lars Halbauer, Horst Biermann, Anja Buchwalder |

 |

 |

 |

 |

 |
|

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

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

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

|  |
| --- |
| [**» Abstract**](https://links.springernature.com/f/a/32U--fMgtZ_JLN64acT43g~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTY4NC14P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](https://links.springernature.com/f/a/32U--fMgtZ_JLN64acT43g~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTY4NC14P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](https://links.springernature.com/f/a/so-hFbtLLuXCC1R5QectJg~~/AABE5gA~/RgRoKE46P0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjQtMDE2ODQteD91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjhfNiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjQwNTE2VwNzcGNCCmYzOslFZsHwdaFSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| Research Paper |

 |

 |

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

|  |
| --- |
| Open Access |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| [Robustness investigation of an in-situ absorption measurement system for laser processing](https://links.springernature.com/f/a/UFyW4FvmmGHTvub5sQ82mw~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTY4OS02P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Moritz Wittemer, Katrin Wudy |

 |

 |

 |

 |

 |
|

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

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

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

|  |
| --- |
| [**» Abstract**](https://links.springernature.com/f/a/UFyW4FvmmGHTvub5sQ82mw~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTY4OS02P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](https://links.springernature.com/f/a/UFyW4FvmmGHTvub5sQ82mw~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTY4OS02P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](https://links.springernature.com/f/a/H5rJudAXnRRqK1rBBsxjcA~~/AABE5gA~/RgRoKE46P0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjQtMDE2ODktNj91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjhfNiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjQwNTE2VwNzcGNCCmYzOslFZsHwdaFSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| Research Paper |

 |

 |

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

|  |
| --- |
| Open Access |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| [Process comparison of laser deep penetration welding in pure nickel using blue and infrared wavelengths](https://links.springernature.com/f/a/abQdJybTJO507fYaAJGmGQ~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTcxMy05P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| M. Möbus, R. Pordzik, A. Krämer, T. Mattulat |

 |

 |

 |

 |

 |
|

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

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

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

|  |
| --- |
| [**» Abstract**](https://links.springernature.com/f/a/abQdJybTJO507fYaAJGmGQ~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTcxMy05P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](https://links.springernature.com/f/a/abQdJybTJO507fYaAJGmGQ~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTcxMy05P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](https://links.springernature.com/f/a/es5BhAoznJNfVzp6M6Rqew~~/AABE5gA~/RgRoKE46P0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjQtMDE3MTMtOT91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjhfNiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjQwNTE2VwNzcGNCCmYzOslFZsHwdaFSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| Research Paper |

 |

 |

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

|  |
| --- |
| Open Access |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| [Control of meltpool shape in laser welding](https://links.springernature.com/f/a/fBi65KNyQti-9R4ZqJqSgA~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTcxOS0zP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Wojciech Suder, Xin Chen, David Rico Sierra, Guangyu Chen, James Wainwright, Kuladeep Rajamudili, Goncalo Rodrigues Pardal, Stewart Williams |

 |

 |

 |

 |

 |
|

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

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

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

|  |
| --- |
| [**» Abstract**](https://links.springernature.com/f/a/fBi65KNyQti-9R4ZqJqSgA~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTcxOS0zP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](https://links.springernature.com/f/a/fBi65KNyQti-9R4ZqJqSgA~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTcxOS0zP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](https://links.springernature.com/f/a/mXQr3HHH1akSu8xHwStF1A~~/AABE5gA~/RgRoKE46P0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjQtMDE3MTktMz91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjhfNiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjQwNTE2VwNzcGNCCmYzOslFZsHwdaFSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| Research Paper |

 |

 |

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

|  |
| --- |
| Open Access |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| [Softening effect in the heat-affected zone of laser-welded joints of high-strength low-alloyed steels](https://links.springernature.com/f/a/ddTe7Bush14KpaqL7ru6Uw~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTczMC04P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Miloš Mičian, Martin Frátrik, Marek Brůna |

 |

 |

 |

 |

 |
|

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

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

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

|  |
| --- |
| [**» Abstract**](https://links.springernature.com/f/a/ddTe7Bush14KpaqL7ru6Uw~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTczMC04P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](https://links.springernature.com/f/a/ddTe7Bush14KpaqL7ru6Uw~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTczMC04P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](https://links.springernature.com/f/a/CpDS8cLJMFrjQdwF-D3SbA~~/AABE5gA~/RgRoKE46P0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjQtMDE3MzAtOD91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjhfNiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjQwNTE2VwNzcGNCCmYzOslFZsHwdaFSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| Research Paper |

 |

 |

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

|  |
| --- |
| Open Access |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| [Spatter reduction in deep penetration welding of pure copper using blue-IR hybrid laser](https://links.springernature.com/f/a/SWo130GlBjYOtySVE24gzw~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTczNC00P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Shumpei Fujio, Yuji Sato, Mao Sudo, Keisuke Takenaka, Koji Tojo, Timotius Pasang, Masahiro Tsukamoto |

 |

 |

 |

 |

 |
|

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

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

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

|  |
| --- |
| [**» Abstract**](https://links.springernature.com/f/a/SWo130GlBjYOtySVE24gzw~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTczNC00P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](https://links.springernature.com/f/a/SWo130GlBjYOtySVE24gzw~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTczNC00P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](https://links.springernature.com/f/a/3nkg8Af5U3KnDtRL7Kl_fQ~~/AABE5gA~/RgRoKE46P0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjQtMDE3MzQtND91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjhfNiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjQwNTE2VwNzcGNCCmYzOslFZsHwdaFSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| Research Paper |

 |

 |

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

|  |
| --- |
| Open Access |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| [Investigation of the effects of beam oscillations in electron beam–welded S1100M TMCP steel](https://links.springernature.com/f/a/IK2jTIegrwZhlVLmDsbqOw~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTc2NS14P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Raghawendra P. S. Sisodia, Marcell Gáspár, Sumit Ghosh, Erika Hodúlová |

 |

 |

 |

 |

 |
|

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

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

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

|  |
| --- |
| [**» Abstract**](https://links.springernature.com/f/a/IK2jTIegrwZhlVLmDsbqOw~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTc2NS14P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](https://links.springernature.com/f/a/IK2jTIegrwZhlVLmDsbqOw~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTc2NS14P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](https://links.springernature.com/f/a/mXZP8JbQmrkhSC740bT12w~~/AABE5gA~/RgRoKE46P0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjQtMDE3NjUteD91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjhfNiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjQwNTE2VwNzcGNCCmYzOslFZsHwdaFSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| Research Paper |

 |

 |

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

|  |
| --- |
|  |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| [Microstructure and mechanical properties of laser-MIG hybrid multi-layer welded joints for 20-mm thick aluminum alloy plates](https://links.springernature.com/f/a/DEdg6t24mck1XoGBzuIwig~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTc3My14P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Zhibin Yang, Likang Sheng, Yanqi Xie |

 |

 |

 |

 |

 |
|

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

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

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

|  |
| --- |
| [**» Abstract**](https://links.springernature.com/f/a/DEdg6t24mck1XoGBzuIwig~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTc3My14P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](https://links.springernature.com/f/a/DEdg6t24mck1XoGBzuIwig~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTc3My14P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](https://links.springernature.com/f/a/opvsKGg6JcyFDyf1gOA5Nw~~/AABE5gA~/RgRoKE46P0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjQtMDE3NzMteD91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjhfNiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjQwNTE2VwNzcGNCCmYzOslFZsHwdaFSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| Research Paper |

 |

 |

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

|  |
| --- |
| Open Access |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| [Effects of post-weld heat treatment on the microstructure and properties of the matching SMAW filler metal for weld joints in MarBN steel](https://links.springernature.com/f/a/J6xSM1lbrfh-YIP351uoGQ~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTY1My13P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Zhuyao Zhang, Steve Roberts, Josh Wildgoose, Will Philpott, Mark A. E. Jepson |

 |

 |

 |

 |

 |
|

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

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

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

|  |
| --- |
| [**» Abstract**](https://links.springernature.com/f/a/J6xSM1lbrfh-YIP351uoGQ~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTY1My13P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](https://links.springernature.com/f/a/J6xSM1lbrfh-YIP351uoGQ~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTY1My13P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](https://links.springernature.com/f/a/O_m0KqdQYHgMqjkQ0coQfQ~~/AABE5gA~/RgRoKE46P0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjMtMDE2NTMtdz91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjhfNiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjQwNTE2VwNzcGNCCmYzOslFZsHwdaFSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| Research Paper |

 |

 |

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

|  |
| --- |
| Open Access |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| [Local mechanical properties of dissimilar metal TIG welded joints of CoCrFeMnNi high entropy alloy and AISI 304 austenitic steel](https://links.springernature.com/f/a/r1XvIJ1Ivn7fuZCqE7SUkg~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTcxOC00P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Michael Rhode, Kjell Erxleben, Tim Richter, Dirk Schroepfer, Tobias Mente, Thomas Michael |

 |

 |

 |

 |

 |
|

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

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

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

|  |
| --- |
| [**» Abstract**](https://links.springernature.com/f/a/r1XvIJ1Ivn7fuZCqE7SUkg~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTcxOC00P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](https://links.springernature.com/f/a/r1XvIJ1Ivn7fuZCqE7SUkg~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTcxOC00P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](https://links.springernature.com/f/a/yDQ-Hiq8fJY9vhf-dLv2Tw~~/AABE5gA~/RgRoKE46P0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjQtMDE3MTgtND91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjhfNiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjQwNTE2VwNzcGNCCmYzOslFZsHwdaFSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| Research Paper |

 |

 |

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

|  |
| --- |
| Open Access |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| [Quantification of the local mechanical behavior in dissimilar metal welds using digital image correlation instrumented cross-weld tensile testing](https://links.springernature.com/f/a/elaos8jfVNaTNNUwWmTlMg~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTczOC0wP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| W. Siefert, M. Buehner, B. T. Alexandrov |

 |

 |

 |

 |

 |
|

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

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

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

|  |
| --- |
| [**» Abstract**](https://links.springernature.com/f/a/elaos8jfVNaTNNUwWmTlMg~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTczOC0wP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](https://links.springernature.com/f/a/elaos8jfVNaTNNUwWmTlMg~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTczOC0wP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](https://links.springernature.com/f/a/kqsLKKIZJAL4WKPXdPEQ7Q~~/AABE5gA~/RgRoKE46P0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjQtMDE3MzgtMD91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjhfNiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjQwNTE2VwNzcGNCCmYzOslFZsHwdaFSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| Research Paper |

 |

 |

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

|  |
| --- |
|  |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| [Effect of gas metal arc welding on microstructure, microtexture, and mechanical properties of a new type Al–Mg-Er-Zr alloy](https://links.springernature.com/f/a/AD59ZmSK56dqCiRyyoDrOg~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTc0MC02P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Peng Wang, Li Cui, Wu Wei, Hui Huang, Dingyong He |

 |

 |

 |

 |

 |
|

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

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

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

|  |
| --- |
| [**» Abstract**](https://links.springernature.com/f/a/AD59ZmSK56dqCiRyyoDrOg~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTc0MC02P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](https://links.springernature.com/f/a/AD59ZmSK56dqCiRyyoDrOg~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTc0MC02P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](https://links.springernature.com/f/a/MkAyu9OZN_xos65zPu867g~~/AABE5gA~/RgRoKE46P0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjQtMDE3NDAtNj91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjhfNiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjQwNTE2VwNzcGNCCmYzOslFZsHwdaFSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| Research Paper |

 |

 |

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

|  |
| --- |
|  |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| [Joint design influence on hybrid laser arc welding of maraging steel](https://links.springernature.com/f/a/wdm6LxAEi7rD4feLC4V9Jg~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTc1MS0zP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| L. Subashini, K. V. Phani Prabhakar, Swati Ghosh |

 |

 |

 |

 |

 |
|

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

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

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

|  |
| --- |
| [**» Abstract**](https://links.springernature.com/f/a/wdm6LxAEi7rD4feLC4V9Jg~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTc1MS0zP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](https://links.springernature.com/f/a/wdm6LxAEi7rD4feLC4V9Jg~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTc1MS0zP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](https://links.springernature.com/f/a/GByT0tdEz_tUBa51GOA-DQ~~/AABE5gA~/RgRoKE46P0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjQtMDE3NTEtMz91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjhfNiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjQwNTE2VwNzcGNCCmYzOslFZsHwdaFSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
|    |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| Research Paper |

 |

 |

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

|  |
| --- |
| Open Access |

 |

 |

 |

 |

 |
|

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

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

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

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

|  |
| --- |
| [Modification of electro gas weld metal microstructure reflecting mechanical property specifications in cruise vessel shipbuilding](https://links.springernature.com/f/a/EVrI7f1jxSMRzbMFedaANA~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTc3OS01P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Richard Banaschik, Oliver Brätz, Andreas Gericke, Knuth-Michael Henkel |

 |

 |

 |

 |

 |
|

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

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

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

|  |
| --- |
| [**» Abstract**](https://links.springernature.com/f/a/EVrI7f1jxSMRzbMFedaANA~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTc3OS01P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](https://links.springernature.com/f/a/EVrI7f1jxSMRzbMFedaANA~~/AABE5gA~/RgRoKE46P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTc3OS01P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF82JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA1MTZXA3NwY0IKZjM6yUVmwfB1oVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](https://links.springernature.com/f/a/Xi5Llm6n4cnNlaP7QNAnuA~~/AABE5gA~/RgRoKE46P0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjQtMDE3NzktNT91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjhfNiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjQwNTE2VwNzcGNCCmYzOslFZsHwdaFSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |

 |

 |

 |

 |