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[Volume 65, Issue 2](http://links.springernature.com/f/a/SiQBF3Cbz6IKKrw-oj_Y8A~~/AABE5gA~/RgRiG1GqP0SKaHR0cDovL2xpbmsuc3ByaW5nZXIuY29tL2pvdXJuYWwvNDAxOTQvNjUvMj91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjVfMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjEwMjI2VwNzcGNCCmA3qsw4YPh3-elSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) is now available online. | |  | |  |  | | --- | |  | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | Welding in the World cover image | | | | | | | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  | | --- | | In this issue | | |  | | --- | |  | | | | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | Editorial | | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  | | --- | | [Welding in the World—update 2021](http://links.springernature.com/f/a/2ETHXmEVQL5idwcrSCw-ig~~/AABE5gA~/RgRiG1GqP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTA2OS00P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NV8yJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMTAyMjZXA3NwY0IKYDeqzDhg-Hf56VISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) | | John C. Lippold, Ing Thomas Böllinghaus, Américo Scotti | | | | | | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | [**» Abstract**](http://links.springernature.com/f/a/2ETHXmEVQL5idwcrSCw-ig~~/AABE5gA~/RgRiG1GqP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTA2OS00P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NV8yJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMTAyMjZXA3NwY0IKYDeqzDhg-Hf56VISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](http://links.springernature.com/f/a/2ETHXmEVQL5idwcrSCw-ig~~/AABE5gA~/RgRiG1GqP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMS0wMTA2OS00P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NV8yJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMTAyMjZXA3NwY0IKYDeqzDhg-Hf56VISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](http://links.springernature.com/f/a/l7NhmdWlmO3jw07ZQLo8hA~~/AABE5gA~/RgRiG1GqP0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjEtMDEwNjktND91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjVfMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjEwMjI2VwNzcGNCCmA3qsw4YPh3-elSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) | | | | | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | Research Paper | | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  | | --- | | [Investigation of microstructure, mechanical, and corrosion behavior of nickel-based alloy 625/duplex stainless steel UNS S32205 dissimilar weldments using ERNiCrMo-3 filler metal](http://links.springernature.com/f/a/x8dY8WMz0s-Y8dNd9QLmQg~~/AABE5gA~/RgRiG1GqP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMTAxMS0wP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NV8yJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMTAyMjZXA3NwY0IKYDeqzDhg-Hf56VISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) | | M. Tümer, T. Mert, Tuba Karahan | | | | | | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | [**» Abstract**](http://links.springernature.com/f/a/x8dY8WMz0s-Y8dNd9QLmQg~~/AABE5gA~/RgRiG1GqP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMTAxMS0wP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NV8yJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMTAyMjZXA3NwY0IKYDeqzDhg-Hf56VISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](http://links.springernature.com/f/a/x8dY8WMz0s-Y8dNd9QLmQg~~/AABE5gA~/RgRiG1GqP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMTAxMS0wP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NV8yJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMTAyMjZXA3NwY0IKYDeqzDhg-Hf56VISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text 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|  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  | | --- | | [Improving and monitoring the magnetic pulse welding process between dissimilar metals](http://links.springernature.com/f/a/7_Vs16e6q3eSU8mbmBOHuA~~/AABE5gA~/RgRiG1GqP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMTAwOS04P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NV8yJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMTAyMjZXA3NwY0IKYDeqzDhg-Hf56VISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) | | Joerg Bellmann, Sebastian Schettler, Sebastian Schulze, Markus Wagner, Jens Standfuss, Martina Zimmermann, Eckhard Beyer, Christoph Leyens | | | | | | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | 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PDF**](http://links.springernature.com/f/a/ra4zzuqaezJ46QrVLukMbw~~/AABE5gA~/RgRiG1GqP0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjAtMDEwMDktOD91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjVfMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjEwMjI2VwNzcGNCCmA3qsw4YPh3-elSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) | | | | | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | Research Paper | | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  | | --- | | [Design and optimization of an integrated multi-layer coil for decreasing the discharge energy in electromagnetic welding using numerical and experimental methods](http://links.springernature.com/f/a/zNGfyD85sS4tBE0K5f1UIQ~~/AABE5gA~/RgRiG1GqP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMTAxMC0xP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NV8yJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMTAyMjZXA3NwY0IKYDeqzDhg-Hf56VISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) | | Mohsen Ayaz, Mehrdad Khandaei, Yaser Vahidshad | | | | | | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | 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| --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  | | --- | | [Tool wear behaviour and the influence of wear-resistant coatings during refill friction stir spot welding of aluminium alloys](http://links.springernature.com/f/a/OdaPr6JnM1FsNqYqFCZzfw~~/AABE5gA~/RgRiG1GqP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMTAyMS15P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NV8yJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMTAyMjZXA3NwY0IKYDeqzDhg-Hf56VISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) | | Dennis Lauterbach, Daniel Keil, Alexander Harms, Christoph Leupold, Klaus Dilger | | | | | | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | 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PDF**](http://links.springernature.com/f/a/C_jrIfuMM80HlIREDH2tGA~~/AABE5gA~/RgRiG1GqP0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjAtMDEwMjEteT91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjVfMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjEwMjI2VwNzcGNCCmA3qsw4YPh3-elSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) | | | | | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | Research Paper | | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  | | --- | | [Effects of current pulsation at ultra-high frequency on physical aspects of the arc and its implications in the weld bead morphology in the GTAW process](http://links.springernature.com/f/a/T3RgukuTFIh0gllyb7kDAA~~/AABE5gA~/RgRiG1GqP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMTAxNi05P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NV8yJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMTAyMjZXA3NwY0IKYDeqzDhg-Hf56VISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) | | Tiago Vieira Cunha, Carlos Enrique Niño Bohórquez | | | | | | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | [**» Abstract**](http://links.springernature.com/f/a/T3RgukuTFIh0gllyb7kDAA~~/AABE5gA~/RgRiG1GqP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMTAxNi05P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NV8yJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMTAyMjZXA3NwY0IKYDeqzDhg-Hf56VISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](http://links.springernature.com/f/a/T3RgukuTFIh0gllyb7kDAA~~/AABE5gA~/RgRiG1GqP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMTAxNi05P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NV8yJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMTAyMjZXA3NwY0IKYDeqzDhg-Hf56VISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](http://links.springernature.com/f/a/tgIOFA3TeSSr0R6c-FzCYA~~/AABE5gA~/RgRiG1GqP0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjAtMDEwMTYtOT91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjVfMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjEwMjI2VwNzcGNCCmA3qsw4YPh3-elSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) | | | | | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | Research Paper | | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  | | --- | | [Evolution behavior of laser welding in hybrid structure between open-cell aluminum foam and solid aluminum shell](http://links.springernature.com/f/a/rk6z_E3oiVYpj8zrkUrS7Q~~/AABE5gA~/RgRiG1GqP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMTAyMi14P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NV8yJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMTAyMjZXA3NwY0IKYDeqzDhg-Hf56VISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) | | Paiboon Wattanapornphan, Chakkrist Phongphisutthinan, Tetsuo Suga, Masami Mizutani, Seiji Katayama | | | | | | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | [**» Abstract**](http://links.springernature.com/f/a/rk6z_E3oiVYpj8zrkUrS7Q~~/AABE5gA~/RgRiG1GqP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMTAyMi14P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NV8yJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMTAyMjZXA3NwY0IKYDeqzDhg-Hf56VISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](http://links.springernature.com/f/a/rk6z_E3oiVYpj8zrkUrS7Q~~/AABE5gA~/RgRiG1GqP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMTAyMi14P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NV8yJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMTAyMjZXA3NwY0IKYDeqzDhg-Hf56VISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](http://links.springernature.com/f/a/9iqjIjSNvXFb9qHAO7LFpg~~/AABE5gA~/RgRiG1GqP0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjAtMDEwMjIteD91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjVfMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjEwMjI2VwNzcGNCCmA3qsw4YPh3-elSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) | | | | | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | Research Paper | | | |  |  | | --- | --- | | |  | | --- | | Open Access | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  | | --- | | [Integral treatment of butt joints for the fatigue life assessment in the low cycle fatigue regime](http://links.springernature.com/f/a/QDVEr8qMJR9luvKUTjwdrw~~/AABE5gA~/RgRiG1GqP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMTAwNi14P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NV8yJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMTAyMjZXA3NwY0IKYDeqzDhg-Hf56VISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) | | Benjamin Möller | | | | | | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | [**» Abstract**](http://links.springernature.com/f/a/QDVEr8qMJR9luvKUTjwdrw~~/AABE5gA~/RgRiG1GqP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMTAwNi14P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NV8yJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMTAyMjZXA3NwY0IKYDeqzDhg-Hf56VISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](http://links.springernature.com/f/a/QDVEr8qMJR9luvKUTjwdrw~~/AABE5gA~/RgRiG1GqP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMTAwNi14P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NV8yJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMTAyMjZXA3NwY0IKYDeqzDhg-Hf56VISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](http://links.springernature.com/f/a/pGJz1HfqAbNMvw4x5wduPQ~~/AABE5gA~/RgRiG1GqP0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjAtMDEwMDYteD91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjVfMiZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjEwMjI2VwNzcGNCCmA3qsw4YPh3-elSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) | | | | | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | Research Paper | | | |  |  | | --- | --- | | |  | | --- | | Open Access | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  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| --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  | | --- | | [Enhancing fatigue strength of welded joints made of SBHS700 by hammer peening with ICR apparatus and HFMI treatment](http://links.springernature.com/f/a/7cUnjl8GVILVY1Vm5R-nxw~~/AABE5gA~/RgRiG1GqP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMTAyMC16P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NV8yJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMTAyMjZXA3NwY0IKYDeqzDhg-Hf56VISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) | | Yuki Ono, Koji Kinoshita | | | | | | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | 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| --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  | | --- | | [Evolution of microstructure and mechanical properties on dissimilar transient liquid phase (TLP) bonding of GTD-111 and IN-718 by BNi-9 (AWS A5.8/A5.8M) interlayer](http://links.springernature.com/f/a/HbEn6VH_NbZ5-KWdFnmJtA~~/AABE5gA~/RgRiG1GqP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMTAxNC14P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NV8yJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMTAyMjZXA3NwY0IKYDeqzDhg-Hf56VISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) | | Ali Izadi Ghahferokhi, Masoud Kasiri-Asgarani, Kamran Amini, Reza Ebrahimi-kahrizsangi, Mahdi Rafiei | | | | | | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | 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Bick, K. Treutler, V. 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