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| C. DiGiovanni, L. He, H. Pan, N. Y. Zhou, E. Biro |

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| Thomas Dupuy |

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| Olakunle Timothy Betiku, Mohammad Shojaee, Oleksii Sherepenko, Abdelbaset R. H. Midawi, Andriy M. Chertov, Hassan Ghassemi-Armaki, Roman G. Maev, Elliot Biro |

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| Luciano A. Bergmann, Bruna Fernanda Batistão, Nelson Guedes Alcântara, Piter Gargarella, Benjamin Klusemann |

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| A. Habibizadeh, M. Honarpisheh, S. Golabi |

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| [Improving tensile-shear strength of friction stir lap welded joints of light-weight Mg-Li/Mg–Al-Zn alloys](http://links.springernature.com/f/a/fpZhUvi31gga_U0OE3lQMA~~/AABE5gA~/RgRkxlGoP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTM0MS0xP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl85JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjA3MjlXA3NwY0IKYuCozONiKqW_CFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Huankun Deng, Yuming Xie, Xiangchen Meng, Huizi Chen, Ranzhuoluo Zang, Yuexin Chang, Xuan Li, Long Wan, Yongxian Huang |

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| [Friction stir cladding of commercially pure titanium on 304 stainless steel](http://links.springernature.com/f/a/FI5y_ZC4iqTPmnfcgzVR0A~~/AABE5gA~/RgRkxlGoP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTM1MC0wP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl85JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjA3MjlXA3NwY0IKYuCozONiKqW_CFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Iman Harasani, Roohollah Jamaati, Hamed Jamshidi Aval |

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| [High-strength micro impact welding of NiTi wire to brass sheet](http://links.springernature.com/f/a/nDp3vvXhDND-rhhG4K4yiQ~~/AABE5gA~/RgRkxlGoP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTMzNi15P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl85JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjA3MjlXA3NwY0IKYuCozONiKqW_CFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Jianxiong Li, Boyd Panton, Yu Mao, Anupam Vivek, Glenn Daehn |

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| [Effect of surface topography on mechanical properties of steel-polycarbonate joints by laser direct joining](http://links.springernature.com/f/a/EPprxDZ0inA1eIEBguAovA~~/AABE5gA~/RgRkxlGoP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTM0NC15P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl85JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjA3MjlXA3NwY0IKYuCozONiKqW_CFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Bo Chen, Xiao Jiang, Junying Min, Chengcheng Sun, Yi Liu, Shanglu Yang, Jianping Lin |

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| [Real-time and visible monitoring of structural damage using mechanoresponsive luminogen: recent progress and perspectives](http://links.springernature.com/f/a/v16Qyp1NLNYJRGsPFBU-AA~~/AABE5gA~/RgRkxlGoP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTMwMy03P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl85JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjA3MjlXA3NwY0IKYuCozONiKqW_CFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Zhe Zhang, Hong Lin, Xiaowen Wei, Gang Chen, Xu Chen |

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| Anatoly Dubov, Alexander Dubov, Sergey Kolokolnikov, Artem Marchenkov |

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| [Sequence effect of as-welded and HFMI-treated transverse attachments under variable loading with linear spectrum](http://links.springernature.com/f/a/kbMtg5D7B2R9nCsXWr8ZUQ~~/AABE5gA~/RgRkxlGoP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTMwMi04P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl85JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjA3MjlXA3NwY0IKYuCozONiKqW_CFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Daniel Löschner, Richard Schiller, Paul Diekhoff, Imke Engelhardt, Thomas Nitschke-Pagel, Klaus Dilger |

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| [Laser welding of 16MnCr5 butt welds with gap: resulting weld quality and fatigue strength assessment](http://links.springernature.com/f/a/iCpJT0juOO0YjucHct6Nyg~~/AABE5gA~/RgRkxlGoP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTMwNi00P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl85JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjA3MjlXA3NwY0IKYuCozONiKqW_CFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| J. Hensel, M. Köhler, L. Uhlenberg, J. Diniz e Castro, K. Dilger, M. Faß, J. Baumgartner |

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| [Experimental investigation of fatigue strength of out-of-plane gusset welded joints under variable amplitude plate bending loading in long life region](http://links.springernature.com/f/a/jWBefaCW867TqYctocet_Q~~/AABE5gA~/RgRkxlGoP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTMxMi02P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl85JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjA3MjlXA3NwY0IKYuCozONiKqW_CFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Yuki Banno, Koji Kinoshita |

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| [Parametric formulae for stress concentration factor and clamping-induced stress of butt-welded joints under fatigue test condition](http://links.springernature.com/f/a/_tnX8GP4qI9rRkAL9VukNg~~/AABE5gA~/RgRkxlGoP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTMyMi00P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl85JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjA3MjlXA3NwY0IKYuCozONiKqW_CFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Yuxiao Luo, Seiichiro Tsutsumi, Rui Han, Renle Ma, Kaoshan Dai |

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| [DIC-aided analysis of the fatigue behaviour of a welded 316L stainless steel](http://links.springernature.com/f/a/8et4DeIGvf01olNRdVrgjw~~/AABE5gA~/RgRkxlGoP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTM1NS05P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl85JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjA3MjlXA3NwY0IKYuCozONiKqW_CFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Amina Sriba, Jérémie Bouquerel, Jean-Bernard Vogt |

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| [Improvement of weld details to avoid brittle fracture initiating at the toes of weld access hole of the beam end — prediction of ultimate strength of welded joint with conventional detail](http://links.springernature.com/f/a/cUzyfvNF53OjB1WKAPBpAQ~~/AABE5gA~/RgRkxlGoP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTI5OS0wP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82Nl85JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMjA3MjlXA3NwY0IKYuCozONiKqW_CFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Koji Azuma, Tsutomu Iwashita, Toshiomi Itatani |

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