

国内共同研究員との共著査読付学術論文(2017年度)

- (1) "Influence of Admixture of Oxygen into Shielding Gas on Cathode Spot Behavior"
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T. Yuji, S. Tashiro, T. Methong, H. Kinoshita, K. Yasui, T. Bouno, N. Kamata, L. H. PHAN and M. Tanaka
- (2) "スパッタレスSLM法を用いたチタン合金の積層造形"
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- (3) "Perheat Effect on Titanium Plate Fabricated by Sputter-Free Selective Laser Melting in Vacuum"
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Y. Sato, M. Tsukamoto, T. Shobu, Y. Yamashita, S. Yamagata, T. Nishi, R. Higashino, T. Ohkubo, H. Nakano and N. Abe
- (4) "Dynamics of Solid-Liquid Interface and Porosity Formation Determined through X-Ray Phase-Contrast in Laser Welding of Pure Al"
J. Mater. Process. Technol., 250 (2017), 9-15.
M. Miyagi, Y. Kawahito, H. Kawakami and T. Shoubud
- (5) "Improvement of Smooth Surface of RuO₂ Bottom Electrode on Al₂O₃ Buffer Layer and Characteristics of RuO₂/TiO₂/Al₂O₃/TiO₂/RuO₂ Capacitors"
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T. Matsuda, M. Takahashi, T. Sano and A. Hirose
- (7) "Low-temperature Metal-To-Alumina Direct Bonding Process Utilizing Redox Reaction between Silver Oxide and Organic Agent"
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K. Asama, T. Matsuda, T. Ogura, T. Sano, M. Takahashi and A. Hirose
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Theor. Appl. Fract. Mec., 92 (2017), 214-222.
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- (9) "Modeling of Hydrogen Diffusion Behavior Considering the Microstructure of Duplex Stainless Steel Weld Metal"
溶接学会論文集, 35, 2 (2017), 23s-27s.
Y. Shibamoto, Y. Mikami and M. Mochizuki
- (10) "Numerical Simulation of Relationship between Member Dimension and Weld-Induced Stress in Plate-Fin Type Heat Exchanger"
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- (11) "Numerical Simulation of Hydrogen Diffusion and Accumulation Behavior under Residual Stress Distribution in Resistance Spot Welds"
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T. Kizaki, Y. Mikami, N. Kawabe, H. Matsuda, R. Ikeda and M. Mochizuki
- (12) "Characterization of WC/12Co Cermet-Steel Dissimilar Friction Stir Welds"
J. Manufacturing Processes, 31 (2018), 139-155.
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- (13) "Fabrication and Compression Properties of Functionally Graded Copper Foam Made Using Friction Powder Sintering and Dissolution"
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- (15) "異種アルミニウム合金の摩擦かくはん接合特性"
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- (20) "Deformation of Dissimilar-Metals Joint between F82H and 316L in Impact Tests after Neutron Irradiation"
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- (21) "Impact of Friciton Stir Welding on Recrystallization of Oxide Dispersion Strengthened Ferritic Steel"
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W. H. Han, P. Liu, X. Yi, Q. Zhan, F. Wan, K. Yabuuchi, H. Serizawa and A. Kimura
- (22) "Plastic Deformation Behavior in SEB Specimens with Various Crack Length to Width Ratios"
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- (27) "Numerical and Experimental Study on Fatigue Life Extension of U-rib Steel Structure by Hammer Peening"
Q. J. Jpn. Weld. Soc., 35, 2 (2017), 169s-172s.
S. Tsutsumi, R. Nagao, R. Fincato, T. Ishikawa and R. Matsumoto
- (28) "Anisotropic Damage Constitutive Law for Cleavage Failure in Crystalline Grain by Cohesive Zone Model"
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T.-W. Lian, A. Kondo, T. Kozawa, M. Akoshima, H. Abe, T. Ohmura, W.-H. Tuan and M. Naito
- (33) "Scalable Synthesis of Sr₃Al₂(OH)₁₂ Hydrogarnet by Wet Milling and Its Thermal Decomposition Behavior"
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T. Kozawa, Y. Suzuki and M. Naito
- (34) "ガラス纖維/フームドシリカ複合多孔体の比熱容量測定"
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小西 恭平, 茂田 正哉, 田中 学, 村田 彰久, 村田 唯介, A. B. Murphy
- (5) "Study on the Microstructure and Liquid Phase Formation in a Semisolid Gray Cast Iron"
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- (7) "Microstructure and Synergistic-Strengthening Efficiency of CNTs-SiCp Dual-Nano Reinforcements in Aluminum Matrix Composites"
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- (9) "Length Effect of Carbon Nanotubes on the Strengthening Mechanisms in Metal Matrix Composites"
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