

Theme 3-4: Smart and Sustainable Manufacturing - 2022

Title	Authors	Scopus Source title	Volume	Issue	Pages	Publication type
Machinability analysis of dry and liquid nitrogen-based cryogenic cutting of Inconel 718: experimental and FE analysis	Pervaiz, S. Kannan, S. Anwar, S. Huo, D.	International Journal of Advanced Manufacturing Technology	118	11-12	3801-3818	Article
Sustainable Machining of Mg-9Al-1.4Zn Foam Used for Temporary Biomedical Implant Using Cryogenic Cooling	Mohammed, A. Kannan, S. Pervaiz, S. Ali, S. Thomas, K.K. Karthikeyan, R.	Materials	15	19	-	Article
Submerged Friction Stir Back Extrusion of AZ31 Magnesium Alloy	Alhourani, A. Nazzal, M. Darras, B.	Key Engineering Materials	933	-	78-87	Chapter
Sliding Wear Maps for AZ31 Magnesium Alloy Reinforced with Thin Walled Hollow Alumina Microspheres	Vavanan, M. Kannan, S. Karthikeyan, R. Selvam, R.	Journal of Bio- and Tribo-Corrosion	8	4	-	Article
Implementation of Sustainable Vegetable-Oil-Based Minimum Quantity Cooling Lubrication (MQCL) Machining of Titanium Alloy with Coated Tools	Pervaiz, S. Ahmad, N. Ishfaq, K. Khan, S. Deiab, I. Kannan, S.	Lubricants	10	10	-	Article
A Numerical Simulation of Machining 6061 Syntactic Foams Reinforced with Hollow Al ₂ O ₃ Shells	Thomas, K. Kannan, S. Nazzal, M. Pervaiz, S. Karthikeyan, R.	Metals	12	4	-	Article