

## Theme 3-4: Smart and Sustainable Manufacturing - 2020

Title	Authors	Scopus Source title	Volume	Issue	Pages	Source type	Publication type
Adopting a circular open-field layout in designing flexible manufacturing systems	Alduaij, A.   Hassan, N.M.	International Journal of Computer Integrated Manufacturing	33	6	572-589	Journal	Article
Sustainability-based evaluation of Friction Stir Back Extrusion of seamless tubular shapes	Saad, M.H.   Jarrah, O.M.   Nazzal, M.A.   Darras, B.M.   Kishawy, H.A.	Journal of Cleaner Production	267	-	-	Journal	Article
Numerical modeling and experiments of Friction Stir Back Extrusion of seamless tubes	Jarrah, O.M.   Nazzal, M.A.   Darras, B.M.	CIRP Journal of Manufacturing Science and Technology	31	-	165-177	Journal	Article
A study on sustainability assessment of welding processes	Jamal, J.   Darras, B.   Kishawy, H.	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture	234	3	501-512	Journal	Article
Simulation and Optimization of a Single Heater Convective PCR Chip and Its Controller for Fast Salmonella Enteritidis Detection	Khnouf, R.   Jaradat, M.A.K.   Karasneh, D.   Al-Shami, F.   Sawaqed, L.   Albiss, B.A.	IEEE Sensors Journal	20	22	13186-13195	Journal	Article