

List of Journal Publications

1. A Classification Scheme for Smart Manufacturing Systems' Performance Metrics, Smart and Sustainable Manufacturing Systems, Vol. 1, No. 1, pp. 52–74, 2017, (with Lee, Y. T., Jain, S., Robinson, S., Helu, M., Hatim, Q. Y., Rachuri, S., Dornfeld, D., Saldana, C. J., and Kumara, S.)
2. Methods and Tools for Performance Assurance of Smart Manufacturing Systems, Journal of Research of the National Institute of Standards and Technology, Vol. 121. 2016. (With Kibira, Deogratias, Katherine C. Morris)
3. Developing a virtual machining model to generate MTConnect machine monitoring data from STEP-NC, International Journal of Production Research, Vol. 54. No. 15. pp. 1-19, 2016, (With Seung-Jun Shin, Jungyub Woo, Duck Bong Kim and Sudarsan Rachuri)
4. A faceted approach for classification of manufacturing processes for sustainability performance evaluation, International Journal of Advanced Manufacturing Technology, Volume 75, Issue 9-12, pp 1309-1320, 2014, (With Sudarsan Rachuri and David Lechavalier)
5. The effect of neighborhood scan path exposures on heat buildup: Numerical investigations on the laser energy delivery in selective laser sintering process, International Journal of Rapid Manufacturing, Vol. 4, No. 2-4, pp 119-139, 2014, (With Kurian Antony and D.G. Meda)
6. Numerical and Experimental Investigations on Laser melting of SS316L metal powders, Journal of Manufacturing Processes, Vol. 16, No. 3, pp 345-355, 2014, (With Kurian Antony and N. Arivazhagan)
7. Energy metrics for product assembly equipment and processes, Journal of Cleaner Production, Vol. 65, pp 142-151. (With Shaw Feng, Christopher Brown and Boonserm Kulvatunyou)

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8. Statistical Modelling and minimization of form error in SLS prototyping, Rapid Prototyping Journal, 2011, Vol. 18, No. 1. (with P.M. Pandey and P.V.M. Rao).
 9. Influence of building strategies on the accuracy of parts in selective laser sintering, Materials and Design, 2009, Vol. 30, No. 8, pp. 2946-2954. (With P.M. Pandey and P.V.M. Rao)
 10. New model for shrinkage compensation in Selective Laser Sintering process, Virtual and Physical Prototyping Journal, 2009, Vol. 4, No. 2, pp. 49-62. (With P.M. Pandey and P.V.M. Rao)