



K Chockalingam

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Rapid prototyping and reverse engineering

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TITLE	CITED BY	YEAR
Influence of layer thickness on mechanical properties in stereolithography K Chockalingam, N Jawahar, U Chandrasekhar Rapid Prototyping Journal	92	2006
Optimization of stereolithography process parameters for part strength using design of experiments K Chockalingam, N Jawahar, KN Ramanathan, PS Banerjee The International Journal of Advanced Manufacturing Technology 29 (1-2), 79-88	74	2006
Establishment of process model for part strength in stereolithography K Chockalingam, N Jawahar, U Chandrasekar, KN Ramanathan Journal of Materials Processing Technology 208 (1-3), 348-365	71	2008
Microstructure and mechanical behavior of AA2024 aluminum matrix composites reinforced with in situ synthesized ZrB₂ particles N Muralidharan, K Chockalingam, I Dinaharan, K Kalaiselvan Journal of Alloys and Compounds 735, 2167-2174	42	2018
Enhancement of anisotropic strength of fused deposited ABS parts by genetic algorithm K Chockalingam, N Jawahar, J Praveen Materials and Manufacturing Processes 31 (15), 2001-2010	31	2016
Establishment of Process model for rapid prototyping technique (Stereolithography) to enhance the part quality by Taguchi method BS Raju, UC Shekar, K Venkateswarlu, DN Drakashayani Procedia Technology 14, 380-389	22	2014
Optimization of surface roughness in selective laser sintered stainless steel parts I Arasu, K Chockalingam, C Kailasanathan, M Sivabharathy International Journal of ChemTech Research 6 (5), 2993-2999	15	2014
Determining the influence of layer thickness for rapid prototyping with stereolithography (SLA) process BS Raju, U Chandrashekar, DN Drakashayani, K Chockalingam International Journal of Engineering Science and Technology 2 (7), 3199-3205	14	2010
Optimization of CNC wire EDM process parameter and establishment polynomial process model for multiple performance characteristics K Chockalingam, N Jawahar, KL Jeyaraj, C Kesavasubramanian, ... Int J Elixir Mech Eng 50, 10420-10433	6	2012
Development of Process Model for Optimal Selection of Process Parameters for Geometric Tolerances and Surface Roughness in Stereolithography C Kunjan ADMT Journal 9 (3), 103-113	5	2017

TITLE	CITED BY	YEAR
Optimization of process parameters in stereolithography using genetic algorithm K Chockalingam, N Jawahar, ER Vijaybabu Smart Materials, Structures, and Systems 5062, 417-424	5	2003
Optimization of process parameters in stereolithography using genetic algorithm K Chockalingam, N Jawahar, ER Vijaybabu Smart Materials, Structures, and Systems 5062, 417-424	5	2003
Optimization of CNC-WEDM Parameters for AA2024/ZrB2 in situ Stir Cast Composites Using Response Surface Methodology with Desirability Function Technique N Muralidharan, K Chockalingam, R Parameshwaran, K Kalaiselvan, ... ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING	3	2020
Optimization Studies in CNC Wire Cut EDM: A Review K Chockalingam, S Gopala Krishnan, N Jawahar Elixir Mech. Eng. 95, 40808-40832	3	2016
Development of thermal and structural deformation model to predict the part build dimensional error in fused deposition modeling K Chockalingam, M Karthic, N Jawahar ADMT Journal 11 (2), 27-37	2	2018
Material subtraction study of AISI T-15-HSS by wire cut electrical discharge machining (CNC-wire cut EDM) based on Taguchi grey relational analysis K Chockalingam, N Jawahar, N Muralidharan, KL Jeyaraj International Journal of Machining and Machinability of Materials 21 (3 ...	1	2019
Impact of post processing parameter on mechanical properties and surface roughness of selective laser sintered sand mold casting part IV Arasu, K Chockalingam NISCAIR-CSIR, India	1	2018
Influence Of Fdm Process Parameters On Part Deformation And Its Comparision With 3d Fea Simulation M Karthic, K Chockalingam, N Jawahar	1	2016
Estimation of stresses at knuckle of variable thickness in torispherical heads H Kanagasabapathy, KSK Chockalingam International Journal of Applied Engineering Research 4 (5), 789-805	1	2009
Recent trends in rapid product development RBSUCDNDK Chockalingam Int. Journal of Mechanical Engineering and Technology 4, 21-31	1 *	
Influence of circumferential curve shapes and surface options on curve length and volume of axisymmetric components in modelling for reverse engineering applications D Sangupandy, K Chockalingam, M Ramesh, V Anbumalar Journal of the Chinese Institute of Engineers 42 (2), 149-159		2019
Delay analysis of two way reservation schemes in optical burst switching network E Mohan, C Puttamadappa, MR Gandhi, R Sathyan, R Muthuvel International Journal of Applied Engineering Research 4 (5), 635-645		2009

TITLE	CITED BY	YEAR
Stress analysis at knuckle of variable thickness in torispherical end vessels using axisymmetric shell finite element H Kanagasabapathy, KSK Chockalingam, D Venkatkumar, G Selvakumar JOURNAL OF STRUCTURAL ENGINEERING 35 (2)		2008
Machinability Study on Ni-Based Super Alloy Using Wire-Cut Electrical Discharge Machining By Taguchi Based Design AG Karthikeyan, N Muralidharan, K Chockalingam		
Internet based E- Manufacturing of prototypes for one –off intricate casting by using Rapid prototyping Technology RBSUCDNDK Chockalingam Int. Journal of Applied Engineering Research 5, 3357-3365		
Determining the influence of layer thickness for rapid prototyping with Stereography (SLA) Process RBSUCDNDK Chockalingam Int. Journal of Engineering Science and Technology 2, 3199-3205		