



Dr. R. Joseph Bensingh

[GET MY OWN PROFILE](#)

CIPET

Product Design & Development

Additive Manufacturing

Design for Manufacturing

	All	Since 2015
Citations	118	106
h-index	6	6
i10-index	4	4

TITLE	CITED BY	YEAR
Preparation and characterization of shear thickening fluid coated polypropylene fabric for soft armour application S Deepak, D Thirumalaikumarasamy, P Thirumal, T Dharun, KP Bhuvana, ... JOURNAL OF THE TEXTILE INSTITUTE		2020
Finite element analysis of elastomer used in automotive suspension systems R Karthikeyan, S Rajkumar, RJ Bensingh, MA Kader, SK Nayak Journal of Elastomers & Plastics 52 (6), 521-536		2020
A review on fatigue damages in the wind turbines: Challenges in determining and reducing fatigue failures in wind turbine blades K Ravikumar, R Subbiah, N Ranganathan, J Bensingh, A Kader, ... Wind Engineering 44 (4), 434-451		2020
Copper (0) Mediated Single Electron Transfer-Living Radical Polymerization of Methyl Methacrylate: Functionalized Graphene as a Convenient Tool for Radical Initiator A Murali, S Sampath, B Appukutti Achuthan, M Sakar, S Chandrasekaran, ... Polymers 12 (4), 874	2	2020
Influence of printing parameters on structures, mechanical properties and surface characterization of aluminium alloy manufactured using selective laser melting R Subbiah, J Bensingh, A Kader, S Nayak The International Journal of Advanced Manufacturing Technology 106 (11 ...	3	2020
Influence of surface roughness on tribological and mechanical properties of micro-milled and laser ablated poly (methyl methacrylate) PMMA organic glass N Ranganathan, FA Lawrence, S Rajkumar, RJ Bensingh, MA Kader, ... Polymer Testing 81, 106184		2020
Hierarchically nanostructured functional materials for artificial photosynthesis A Murali, M Sakar, N Malarvizhi, S Priya, MA Kader, M Selvaraj, ... Nanostructured, Functional, and Flexible Materials for Energy Conversion and ...		2020
Low-dimensional carbon-based nanomaterials for energy conversion and storage applications T Senthil, N Divakaran, MB Kale, S Mubarak, D Dhamodharan, L Wu, ... Nanostructured, Functional, and Flexible Materials for Energy Conversion and ...		2020
Benchmarking the complex geometric profiles, dimensional accuracy and surface analysis of printed parts PS Kaliamoorthy, R Subbiah, J Bensingh, A Kader, S Nayak Rapid Prototyping Journal		2019

TITLE	CITED BY	YEAR
Injection molding process optimization of a bi-aspheric lens using hybrid artificial neural networks (ANNs) and particle swarm optimization (PSO) RJ Bensingh, R Machavaram, SR Boopathy, C Jebaraj Measurement 134, 359-374	26	2019
Cellulose-based hydrogels for agricultures N Ranganathan, RJ Bensingh, MA Kader, SK Nayak Springer Science and Business Media LLC	1	2019
Biopolymeric Scaffolds for Tissue Engineering Application N Ranganathan, A Mugeshwaran, RJ Bensingh, MA Kader, SK Nayak Biomedical Engineering and its Applications in Healthcare, 249-274	1	2019
Polymer light emitting diodes: materials, technology and device KP Bhuvana, RJ Bensingh, MA Kader, SK Nayak Polymer-Plastics Technology and Engineering 57 (17), 1784-1800	8	2018
Influence of Fiber Surface Energy on Mechanical Properties of Sisal Fiber-Bio Based Epoxy Composites. S Rajkumar, RJ Bensingh, MA Kader, SK Nayak Journal of Polymer Materials 35 (4)		2018
Development of Hybrid Composites and Joining Technology for Lightweight Structures S Deepak, KP Bhuvana, RJ Bensingh, K Prakalathan, SK Nayak Advances in Polymer Sciences and Technology, 123-131		2018
Synthesis and properties of hydrogels prepared by various polymerization reaction systems N Ranganathan, R Joseph Bensingh, M Abdul Kader, SK Nayak Springer International Publishing: Cham, Switzerland	8	2018
Minimization of variation in volumetric shrinkage and deflection on injection molding of Bi-aspheric lens using numerical simulation RJ Bensingh, SR Boopathy, C Jebaraj Journal of Mechanical Science and Technology 30 (11), 5143-5152	11	2016
Computational and experimental analysis of a counter-rotating wind turbine system PS Kumar, A Abraham, RJ Bensingh, S Ilangoan NISCAIR-CSIR, India	41	2013
Computational analysis of 30 kW contra rotor wind turbine PS Kumar, RJ Bensingh, A Abraham ISRN Renewable Energy 2012	17	2012