

S.No	TITLE	YEAR
1.	Evaluation of Electromagnetic Intrusion in Brushless DC motor drive for Electric vehicle applications with manifestation of mitigating the Electromagnetic Interference M Karthik, S Usha, K Venkateswaran, H Panchal, M Suresh, V Priya, ... International Journal of Ambient Energy, 1-8	2020
2.	Comparative Study of Recurrent and Non Recurrent Neural Network Based Approach for Modeling of PEM Fuel Cell Powered Electric Vehicle K Gomathi, M Karthik, S Usha IOP Conference Series: Materials Science and Engineering 937 (1), 012040	2020
3.	Characterization and experimental validation of a semi-empirical fuel cell model for investigating the water dynamics on the electrical behavior of a 5 kW ballard stack system ... K Murugesan, U Subramaniam Journal of Renewable and Sustainable Energy 12 (2), 024301	2020
4.	Self-Diagnosis of COVID-19 Through Mobile App: Need of the Hour in Pandemic Situation RL B Sreelekha, Karthik Murugesan, S Usha Journal of Green Engineering 10 (3), 1155-1166	2020
5.	Design and Implementation of Solar Powered Tricycle for Physically Challenged Person MK P.Karthikeyan, C.Bala Subramanian, V.Arunprasad Journal of Green Engineering 10 (3), 1018–1034	2020
6.	A new enhanced authentication mechanism using session key agreement protocol S Usha, S Kuppuswami, M Karthik Cybernetics and Information Technologies 18 (4), 61-74	2018

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7.	Effect of suryanamaskar practice on speed and explosive poweramong school Handball Players M Karthik, SRV Ravindran Asian Journal of Multidimensional Research (AJMR) 7 (2), 1010-1015	2018
8.	Automated Sorting and Grading of Vegetables Using Image Processing S Usha, M Karthik, R Jenifer, PG Scholar International Journal of Engineering Research and General Science 5 (6), 53-61	2017
9.	A Robust Digital Image Watermarking for Biometric Template Protection Applications S Usha, M Karthik International Journal of Advanced Research in Electrical, Electronics, and ...	2015
10.	Dynamic Modeling and Analysis of Power Sharing Control Strategy Based Fuel Cell/Battery Assisted Hybrid Electric Vehicle System M Karthik, S Vijayachitra International Journal of Renewable Energy Research (IJRER) 5 (1), 139-150	2015
11.	VLSI architectures for the 4-tap and 6-tap 2-D Daubechies wavelet filters using pipelined direct mapping method P Sangeetha, M Karthik, T KalavathiDevi 2015 International Conference on Innovations in Information, Embedded and ...	2015
12.	Modeling and performance analysis of neural network based fuel cell driven electric traction system S Sreemathy, M Karthik 2015 International Conference on Innovations in Information, Embedded and ...	2015
13.	A Baseline Framework Model for an Emission-free Fuel Cell Vehicle System employing Highway and Federal Driving Procedure	2015

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	M Karthik, S Usha, S Sreemathy International Journal of Engineering and Management Research (IJEMR) 5 (2 ...	
14.	Segmentation of doppler carotid ultrasound image using morphological method and classification by neural network S Usha, M Karthik, M Arthi Dept. of EEE 3, 650656	2015
15.	Numerical Study on the Detailed Characterization of Ni-MH Battery Model for its Dynamic Behavior using Multi-Regression Analysis - MRA M Karthik, S Vijayachitra International Journal of Soft Computing and Engineering 4 (6), 34-43	2015
16.	An integrated exploration of thermal and water management dynamics on the performance of a stand-alone 5-kW Ballard fuel-cell system for its scale-up design M Karthik, S Vijayachitra Proceedings of the Institution of Mechanical Engineers, Part A: Journal of ...	2014
17.	Modeling of PEM Fuel Cell Stack System using Feed-forward and Recurrent Neural Networks for Automotive Applications M Karthik, S Vijayachitra, K Gomathi International Journal of Engineering & Technology (0975-4024) 6 (2), 559-569	2014
18.	A new modeling approach for energy Management strategy in developing a fuel cell hybrid vehicle M Karthik, K Gomathi 2nd International Conference on Power, Control and Embedded Systems, ICPCES-2014	2014
19.	Dynamic Neural Network Based Parametric Modeling of PEM Fuel Cell System for Electric Vehicle Applications	2014

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	M Karthik, K Gomathi International Conference on Advances in Electrical Engineering, ICAEE'14	
20.	Design, Modeling and Simulation Study of a Cascaded Optimal Neural Network based Fuel Cell Powered Electric Vehicle M Karthik, K Gomathi International Conference on Electrical Energy Systems, ICEES-2014	2014