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PUBLICATIONS

International Journals

1. E Fantin Irudaya Raj, M Balaji Analysis and Classification of Faults in Switched Reluctance Motors Using Deep Learning Neural Networks 2020 Arabian Journal for Science and Engineering Springer Berlin Heidelberg Page 1 – 20.
2. P Sundaramoorthy, M Balaji, K Suresh, E Natesan, K Mohan Vibration analysis of E-core flux reversal free stator switched reluctance motor 2020 Circuit World, Emerald Publishing Ltd
3. S Vinod, M Balaji Variable speed PMSG design and implementation for wind driven welding power source 2020 Circuit World, Emerald Publishing Ltd
4. S Devi Vidhya, M Balaji Hybrid fuzzy PI controlled multi-input DC/DC converter for electric vehicle application 2020 Automatika, Taylor & Francis Vol 61 Issue 1 , Pages 79 – 91
5. S Devi Vidhya, M Balaji Modelling, design and control of a light electric vehicle with hybrid energy storage system for Indian driving cycle 2019 Measurement and Control, SAGE Publications Vol 52, Issue 9-10 Pages 1420-1433
6. M Balaji Failure-mode analysis of modular multilevel capacitor-clamped converter for electric vehicle application 2019 IET Power Electronics, IET Digital Library, Vol 12 Issue 13 Pages 3411 – 3421
7. A Ramya, M Balaji, V Kamaraj Adaptive MF tuned fuzzy logic speed controller for BLDC motor drive using ANN and PSO technique 2019 The Journal of Engineering, IET, Vol 2019 Issue 17, Pages 3947 – 3950.
8. S Saranya, M Balaji Electromagnetic and Vibration Analysis of E-core Switched Reluctance Motor with Permanent Magnets and Auxiliary Windings Journal of Power Electronics, 2019 Vol 19 Issue 2 , Pages 540-548
9. S Gowtham, M Balaji, S Harish, MSA Pinto, G Jagadeesh Fault tolerant single switch PWM DC-DC converters for battery charging applications 2017 Energy Procedia, Elsevier, Vol 117 Pages 753 – 760
10. VS Nagarajan, B Mahadevan, V Kamaraj, R Arumugam, G Nagarajan Design optimization of ferrite assisted synchronous reluctance motor using multi-objective differential evolution algorithm 2017, COMPEL-The international journal for computation and mathematics in electrical and electronic engineering , Emerald Publishing House
11. P Saravanan, M Balaji, Nagaraj K Balaji, R Arumugam Analysis of neural network approaches for nonlinear modeling of switched reluctance motor drive 2017 Journal

- of Electrical Engineering and Technology, The Korean Institute of Electrical Engineers, Vol 1 Issue 4 Pages 1548 – 1555.
12. VS Nagarajan, V Kamaraji, M Balaji, R Arumugam, N Ganesh, R Rahul, M Lohit Effect of geometrical parameters on optimal design of synchronous reluctance motor 2016, Journal of Magnetism, Vol 21 Issue 4 , Pages 544-553
 13. A Ramya, A Imthiaz, M Balaji Hybrid self tuned fuzzy PID controller for speed control of brushless DC motor 2016 Automatika, Vol 57 Issue 3 Pages 672-679

Chapter Book

1. Padala Lakshmi Sai Vineetha, M Balaji Advances in Smart Grid Technology, 2020, Springer, Singapore, Pages 121 – 133