

## Balaji M. SSN college of engineering switched reluctance motor

<b>GET MY OWN PROFILE</b>				
	All	Since 2015		
Citations	312	238		
h-index	8	7		
i10-index	7	6		

TITLE	CITED BY	YEAR
Maximum power point tracking of partially shaded solar PV system using modified Fibonacci search method with fuzzy controller R Ramaprabha, M Balaji, BL Mathur International Journal of Electrical Power & Energy Systems 43 (1), 754-765	109	2012
Evolutionary computation based multi-objective pole shape optimization of switched reluctance machine M Balaji, V Kamaraj International Journal of Electrical Power & Energy Systems 43 (1), 63-69	38	2012
Design optimization of switched reluctance machine using particle swarm optimization M Balaji, V Kamaraj 2011 1st International Conference on Electrical Energy Systems, 164-169	21	2011
Particle swarm optimization based selection of optimal polymeric blend R Deepalaxmi, M Balaji, V Rajini IEEE Transactions on Dielectrics and Electrical Insulation 20 (3), 922-931	17	2013
Design of high torque density and low torque ripple switched reluctance machine using genetic algorithm M Balaji, V Kamaraj European Journal of Scientific Research 47 (2), 187-196	15	2010
Hybrid self tuned fuzzy PID controller for speed control of brushless DC motor A Ramya, A Imthiaz, M Balaji Automatika 57 (3), 672-679	13	2016
Particle swarm optimization approach for optimal design of switched reluctance machine M Balaji, V Kamaraj American Journal of Applied Sciences 8 (4), 374	13	2011
TORQUE RIPPLE MINIMIZATION IN SWITCHED RELUCTAN CE MOTOR DRIVES M Balaji, CA Vaithilingam, V Kamaraj	8	2004
Design optimization of ferrite assisted synchronous reluctance motor using multi-objective differential evolution algorithm VS Nagarajan, B Mahadevan, V Kamaraj, R Arumugam, G Nagarajan, COMPEL-The international journal for computation and mathematics in	7	2017
Adaptive MF tuned fuzzy logic speed controller for BLDC motor drive using ANN and PSO technique A Ramya, M Balaji, V Kamaraj The Journal of Engineering 2019 (17), 3947-3950	5	2019

TITLE	CITED BY	YEAR
Robust control of parallel buck fed buck converter using hybrid fuzzy PI controller S Vinod, M Balaji, M Prabhakar 2015 IEEE 11th International Conference on Power Electronics and Drive	5	2015
Commutation torque ripple reduction in brushless DC motor using modified SEPIC converter A Ramya, V Srinath, S Samyuktha, R Vimal, M Balaji 2015 IEEE 11th International Conference on Power Electronics and Drive	5	2015
A comparative study of operating angle optimization of switched reluctance motor with robust speed controller using PSO and GA VV Prabhu, V Rajini, M Balaji, V Prabhu Journal of Electrical Engineering & Technology 10 (2), 551-559	5	2015
Back-Emf-Based Sensorless Field-Oriented Control of PMSM Using Neural-Network-Based Controller with a Start-Up Strategy VS Nagarajan, M Balaji, V Kamaraj Artificial Intelligence and Evolutionary Algorithms in Engineering Systems	5	2015
Optimum Design of Switched Reluctance Machine Using Adaptive Particle Swarm Optimization M Balaji, V Kamaraj ARPN Journal of Engineering and Applied Sciences 7 (6), 666-671	5	2012
Influence of stator and rotor profiles on torque ripple minimization in SRM V Prabhakar, M Balaji, S Ramkumar, V Kamaraj 2006 India International Conference on Power Electronics, 403-406	5	2006
Data interpolation and design optimisation of brushless DC motor using generalized regression neural network N Umadevi, M Balaji, V Kamaraj, LA Padmanaban Journal of Electrical Engineering and Technology 1 (1), 188-194	4	2015
Sensitivity analysis of geometrical parameters of a switched reluctance motor with modified pole shapes M Balaji, S Ramkumar, V Kamaraj Journal of Electrical Engineering & Technology 9 (1), 136-142	4	2014
Optimum Design of Switched Reluctance Machine for Electric Vehicle Applications using Chaotic Particle Swarm Optimization M Balaji, V Kamaraj, S Ramkumar International Review of Electrical Engineering 6 (2)	4	2011
Effect of geometrical parameters on optimal design of synchronous reluctance motor VS Nagarajan, V Kamaraji, M Balaji, R Arumugam, N Ganesh, R Rahul, Journal of Magnetics 21 (4), 544-553	3	2016