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List of journal publications in the last five years

- 1) S. J. Ben Christopher, M. Carolin Mabel, A bio-inspired approach for probabilistic energy management of micro-grid incorporating uncertainty in statistical cost estimation, Energy, Elsevier Publications, Vol. 203, July 2020, Article 117810.
- 2) Amutha Priya, M. Carolin Mabel, Novel heuristic ToD-Block Rate tariff for DSM initiation in domestic sector - A Study Analysis, Journal of Electrical Engineering & Technology, Springer publications, <https://doi.org/10.1007/s42835-020-00427-4>, 2020
- 3) S.R. Selva Jeevitha, M. Carolin Mabel, Novel optimization parameters of power quality disturbances using novel bio-inspired algorithms: A comparative approach, Biomedical Signal Processing and Control, Elsevier Publications, Vol. 42, April 2018, Pages 253-266.
- 4) Sagai Francis Britto, R. Edwin Raj, M. Carolin Mabel, "Prediction and optimization of mechanical strength of diffusion bonds using integrated ANN-GA approach with process variables and metallographic characteristics, Journal of Manufacturing Processes", Elsevier Publications, Vol. 32, April 2018, Pages 828-838.
- 5) M. Carolin Mabel, D. Suja Darling, and D. Jeraldin Auxilia, "Optimizing wind turbine parameters to enhance power generation", Journal of Renewable and Sustainable Energy, The American Institute of Physics, Vol. 10, January 2018, pp. 013303 (1-10).
- 6) M. John Bosco, M. Carolin Mabel, "A novel cross diagonal view configuration of a PV system under partial shading condition", Solar Energy, Elsevier Publications, Vol. 158, December 2017, pp. 760–773.
- 7) Sagai Francis Britto, R. Edwin Raj, M. Carolin Mabel, Prediction of shear and tensile strength of the diffusion bonded AA5083 and AA7075 aluminium alloy using ANN, Materials Science and Engineering: A, Elsevier Publications, Vol. 692, April 2017, pp. 1-

- 8) R.Rajesh, M. Carolin Mabel, "Design and real time implementation of a novel rule compressed fuzzy logic method for the determination operating point in a photo voltaic system", Energy, Elsevier Publications, Vol. 116, 2016, pp. 140-153.
- 9) R.Rajesh, M. Carolin Mabel, "A Comprehensive Review of Photovoltaic Systems"Renewable and Sustainable Energy Reviews, Elsevier Publications, Vol. 51, Nov. 2015, pp. 231-248.
- 10) R.Rajesh, M. Carolin Mabel, "Efficiency Analysis of a Multi-Fuzzy Logic Controller for the Determination of Operating Points in a PV system", Solar Energy, Elsevier Publications, Vol. 99, 2014, pp. 77-87.
- 11) S. R. Selva Jeevitha and M. Carolin Mabel, "Analysis of multi-disturbance power signals on compression: A Wavelet Based Approach", Journal of Computational and Theoretical Nanoscience, Vol. 15, pp. 345–350, January 2018
- 12) A.Bindu, M.Carolin Mabel, C.Bharatiraja, A real-time energy management approach and its power converter for PV powered plug-in electric vehicles, Journal of Electrical Engineering, Vol. 17, 2017.