

MOST CITED JOURNAL PUBLICATIONS BY OUR FACULTY MEMBERS

TITLE OF THE PAPER	NO. OF CITATIONS
<p>A rough-set-based inference engine for ECG classification S Mitra, with M Mitra, BB Chaudhuri IEEE Transactions on instrumentation and measurement 55 (6), 2198-2206</p>	182
<p>Electrospun gelatin nanofiber based self-powered bio-e-skin for health care monitoring S Jana, with SK Ghosh, P Adhikary, A Biswas, V Sencadas, SD Gupta, B Tudu, ... Nano Energy 36, 166-175</p>	178
<p>Oxidative stress in five wheat varieties (<i>Triticum aestivum</i> L.) exposed to water stress and study of their antioxidant enzyme defense system, water stress responsive ... B Pradhan with U Chakraborty, Brazilian Journal of Plant Physiology 24, 117-130</p>	130
<p>Graphene-silver-induced self-polarized PVDF-based flexible plasmonic nanogenerator toward the realization for new class of self powered optical sensor S Jana with TK Sinha, SK Ghosh, R Maiti, B Adhikari, D Mandal, SK Ray ACS applied materials & interfaces 8 (24), 14986-14993</p>	116
<p>Direct observation of interfacial Dzyaloshinskii-Moriya interaction from asymmetric spin-wave propagation in W/CoFeB/SiO₂ heterostructures down to sub-nanometer CoFeB thickness S Pan with, AK Chaurasiya, C Banerjee, S Sahoo, S Choudhury, J Sinha, ... Scientific reports 6 (1), 1-8</p>	81
<p>An ECG signal compression technique using ASCII character encoding S Mitra with, SK Mukhopadhyay, M Mitra Measurement 45 (6), 1651-1660</p>	70
<p>A lossless ECG data compression technique using ASCII character encoding S Mitra, with SK Mukhopadhyay, M Mitra Computers & Electrical Engineering 37 (4), 486-497</p>	69
<p>Drought stress-induced oxidative stress and antioxidative responses in four wheat (<i>Triticum aestivum</i> L.) varieties B Pradhan with U Chakraborty, Archives of Agronomy and Soil Science 58 (6), 617-630</p>	64
<p>ECG signal compression using ASCII character encoding and transmission via SMS S Mitra with, SK Mukhopadhyay, M Mitra Biomedical Signal Processing and Control 8 (4), 354-363</p>	43
<p>Time plane ECG feature extraction using Hilbert transform, variable threshold and slope reversal approach S Mitra with SK Mukhopadhyay, M Mitra, 2011 International Conference on Communication and Industrial Application, 1-4</p>	40
<p>Pattern defined heuristic rules and directional histogram based online ECG parameter extraction S Mitra, M Mitra, BB Chaudhuri Measurement 42 (1), 150-156</p>	36
<p>Generation of digital time database from paper ECG records and Fourier transform-based analysis for disease identification S Mitra, M Mitra, BB Chaudhuri Computers in biology and medicine 34 (7), 551-560</p>	36
<p>Dynamics of $e^{++} H (ns) \rightarrow e^{++} H (n' s)$ with exponential cosine-screened Coulomb potentials S Nayek, A Ghoshal Physica Scripta 85 (3), 035301</p>	33