Contents

Research Articles

Review of Commercially Available Microfluidic Materials and Fabricating Techniques for Point of Care Testing
Luck Ereku, Ruth Mackay, Wamadeva Balachandran and Kolawole Ajayi .......................... 1

Machine-Stitched E-textile Stretch Sensors
Guido Gioberto, Crystal Compton and Lucy E. Dunne ..................................................... 25

Microcontroller Based E-Nose for Gas Classification without Using ADC
Lachit Dutta, Anil Hazarika and Manabendra Bhuyan ..................................................... 38

Investigation of High Precision Marine Pressure Sensor Based on Silicon-on-Sapphire
Li Hong-Zhi, Jia Wen-Juan, Wu Sheng, Zhang Ting, Lan Hui, Liao He-Qin and Zou Qiang .................................................................................................................. 46

An FEM Study of the Effect of Temperature on the Design of Reliable Micro Electrical Contact
Femi R, Anita Agrawal and Shibulal Clement .................................................................... 51

Electrochemical Characterization a New Epoxy Graphite Composite Electrode as Transducer for Biosensor
Abel I. Balbin Tamayo, Laura S. Riso, Aurora Pérez Granates, Precio Augusto Marini Farias, Ana Margarita Esteva Guas and Ideo Tamanaca ........... 59

Influence of Ni Doping on Structural and Optical Properties of ZnO Nanopowders Synthesized by Sol-gel Process
Jayasree Aluri, Sudha Lakshmi P. B and Basaveswara Rao Mandava ................................ 66

Change in Blood Cell Capacitance with Diseases
Gupta Arpita and Kharat G. U. ........................................................................................ 72

Polypyrrole-silver Nanocomposite: Synthesis and Characterization
D. M. Nerkar, S. V. Panse, S. P. Patil, S. E. Jaware and G. G. Padhye ................................. 76

Analysis of Evaluation Stages Involved in Penman Monteith Equation
Faruk Bin Poyen, Apurba Kumar Ghosh, Palash Kundu and Kausik Sen ............................ 83

Authors are encouraged to submit article in MS Word (doc) and Acrobat (pdf) formats by e-mail: editor@sensorsportal.com. Please visit journal’s webpage with preparation instructions:
http://www.sensorsportal.com/HTML/DIGEST/Submition.htm