2020 | Volume Volume - 5 - Issue Issue - 1

In this issue

Research Article

Open Access Research Article PTZAID:ABSE-5-111

The QRS complex detection using morphological filtering

Published On: January 25, 2019 | Pages: 001 - 006

Author(s): Taouli SA* and Bereksi-Reguig F

This article presents a method of QRS complex detection and more precisely the R wave in an electrocardiogram (ECG) based on the mathematics morphology which calls upon the four operators' morphology, erosion, dilation, opening and closing. These operators are combined with a window relocated which is called the structuring element. Morphological filtering uses the st ...

Abstract View Full Article View DOI: 10.17352/abse.000011

Review Article

Open Access Review Article PTZAID:ABSE-5-113

The new paradigm in thermodynamic formulation of electrolytic systems – A review

Published On: August 12, 2019 | Pages: 019 - 060

Author(s): Anna M Michaowska-Kaczmarczyk and Tadeusz Michaowski*

The general property of electrolytic systems in aqueous media is presented. The linear combination f12 = 2f(O) – f(H) of elemental balances: f1 = f(H) for Y1 = H and f2 = f(O) for Y2 = O, is put in context withcharge balance (f0 = ChB) and other elemental and/or core balances fk = f(Yk) (k=3,…,K) related to the system in question It is stated that f12 is (a) linearl ...

Abstract View Full Article View DOI: 10.17352/abse.000013

Open Access Review Article PTZAID:ABSE-5-112

3D Bioprinting: An attractive alternative to traditional organ transplantation

Published On: July 05, 2019 | Pages: 007 - 018

Author(s): Darakhshanda Iram, Rafi a Riaz and Rana Khalid Iqbal*

3D bioprinting is computer-aided technology used to generate 3D models of organs. Employing this technique, organ and tissues are generated according to the patient body. 3D structures are formed by the deposition of bioink. ...

Abstract View | Full Article View | DOI: 10.17352/abse.000012