

# VAC for ECG Literature

Mehdi Bakka

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Note : the order is not of relevance to the importance of the paper.

## 1. Noise Reduction in ECG Signals Using Fully Convolutional Denoising Autoencoders.

- **Authors:** HSIN-TIEN CHIANG<sup>1</sup>, YI-YEN HSIEH, SZU-WEI FU, KUO-HSUAN HUNG, YU TSAO, AND SHAO-YI CHIEN, (Senior Member, IEEE)
- **Date:** 2019
- **Number of citations:** 25 citations.
- **Organisation:**
  - National Taiwan University.
  - Research Center for Information Technology Innovation, Academia Sinica, Taipei.
- **Journal:** IEEE
- **URL:** <https://ieeexplore.ieee.org/document/8693790/citations?tabFilter=papers>

## 2. ECG signal enhancement based on improved denoising auto-encoder.

- **Authors:** Peng Xiong, Hongrui Wang, Ming Liu, Suiping Zhou, Zengguang Hou, Xiuling Liu.
- **Date:** 2016
- **Number of citations:** 72
- **Organisation:**
  - College of Electronic and Information Engineering, Yanshan University, Qinhuangdao, China.
  - Key Laboratory of Digital Medical Engineering of Hebei Province, College of Electronic and Information Engineering, Hebei University, Baoding, China.
  - School of Science and Technology, Middlesex University, UK.
  - Institute of Automation, Chinese Academy of Sciences, Beijing, China.
- **Publisher:** Elsevier
- **URL:** <https://www.sciencedirect.com/science/article/pii/S0952197616300331>

## 3. Denoising Criterion for Variational Auto-Encoding Framework.

- **Authors:** Daniel Jiwoong Im, Sungjin Ahn, Roland Memisevic, Yoshua Bengio.
- **Date:** 2017
- **Number of citations:** 131 (Google Scholar)

- **Organisation:**
    - Montreal Institute for Learning Algorithms.
    - University of Montreal.
  - **Publisher:** AAAI Press
  - **URL:** <https://dl.acm.org/doi/10.5555/3298483.3298537>
4. **A novel dimensionality reduction approach for ECG signal via convolutional denoising autoencoder with LSTM.**
- **Authors:** Evangelin Dasan, Ithayarani Panneerselvam.
  - **Date:** 2020
  - **Number of citations:** 5
  - **Organisation:** Sethu Institute of Technology, Kariapatti, India.
  - **Journal:** Elsevier
  - <https://www.sciencedirect.com/science/article/pii/S1746809420303554?via%3Dihub>
5. **Adversarial de-noising of electrocardiogram.**
- **Authors:** Jilong Wang, Renfa Li, Rui Li, Keqin Li, Haibo Zeng, Guoqi Xie, Li Liu.
  - **Date:** 2019
  - **Number of citations:** 16
  - **Organisation:**
    - State University of New York.
    - Virginia Tech.
    - Hospital of Central South University, China.
  - **Journal:** Elsevier
  - **Url:** <https://www.sciencedirect.com/science/article/pii/S092523121930534X?via%3Dihub>
6. **Deep Learning Models for Denoising ECG Signals**
- **Authors:** Corneliu T.C.Arsene, Richard Hankins, Hujun Yin.
  - **Date:** 2019
  - **Number of citations:** 17
  - **Organisation:**
    - The University of Manchester.
  - **Journal:** IEEE
  - **Url:** <https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=8902833&tag=1>
7. **Deep Recurrent Neural Networks for ECG Signal Denoising.**
- **Authors:** K. Antczak
  - **Date:** 2018
  - **Number of citations:** 38
  - **Organisation:**
    - Military University of Technology, Kaliskiego 2, 00-908 Warsaw, Poland.

- **Journal:**
  - **Url:** <https://arxiv.org/pdf/1807.11551.pdf>
8. **An Efficient ECG Denoising Technique Based on Non-local Means Estimation and Modified Empirical Mode Decomposition.**
- **Authors:** Pratik Singh, S.Shahnawazuddin, G.Pradhan,
  - **Date:** 2018
  - **Number of citations:** 18
  - **Organisation:**
    - , National Institute of Technology Patna, India.
  - **Journal:** Springer
  - **Url:** <https://link.springer.com/article/10.1007%2Fs00034-018-0777-9>