

Review of: "EEG-based Emotion Classification using Deep Learning: Approaches, Trends and Bibliometrics"

Sara Bagherzadeh¹

¹ Islamic Azad University, Tehran Science & Research Branch

Potential competing interests: No potential competing interests to declare.

There are some valuable articles on emotion recognition using deep learning methods that are not included in this manuscript.

- Bagherzadeh, S., Maghooli, K., Farhadi, J., & Zangeneh Soroush, M. (2018). Emotion recognition from physiological signals using parallel stacked autoencoders. *Neurophysiology*, 50, 428-435.
- Jafari, M., Shoeibi, A., Khodatars, M., Bagherzadeh, S., Shalbaf, A., García, D. L., ... & Acharya, U. R. (2023). Emotion recognition in EEG signals using deep learning methods: A review. *Computers in Biology and Medicine*, 107450.
- Bagherzadeh, S., Maghooli, K., Shalbaf, A., & Maghsoudi, A. (2023). Emotion recognition using continuous wavelet transform and ensemble of convolutional neural networks through transfer learning from electroencephalogram signal. *Frontiers in Biomedical Technologies*, 10(1), 47-56.
- Bagherzadeh, S., Maghooli, K., Shalbaf, A., & Maghsoudi, A. (2022). Emotion recognition using effective connectivity and pre-trained convolutional neural networks in EEG signals. *Cognitive Neurodynamics*, 16(5), 1087-1106.
- Bagherzadeh, S., Maghooli, K., Shalbaf, A., & Maghsoudi, A. (2022). Recognition of emotional states using frequency effective connectivity maps through transfer learning approach from electroencephalogram signals. *Biomedical Signal Processing and Control*, 75, 103544.
- Bagherzadeh, S., Norouzi, M. R., Hampa, S. B., Ghasri, A., Kouroshi, P. T., Hosseininasab, S., ... & Nasrabadi, A. M. (2024). A subject-independent portable emotion recognition system using synchrosqueezing wavelet transform maps of EEG signals and ResNet-18. *Biomedical Signal Processing and Control*, 90, 105875.
- Bagherzadeh, S., Maghooli, K., Shalbaf, A., & Maghsoudi, A. (2023). A Hybrid EEG-based Emotion Recognition Approach Using Wavelet Convolutional Neural Networks and Support Vector Machine. *Basic and Clinical Neuroscience*, 14(1), 87
- Better subdivisions could be added to organize articles, for example, based on databases, based on processing EEG signals (create images for CNNs, raw signals, extract features for CNNs or LSTMs).