Deep Learning applied to EBSD; State of the art and perspective

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Abstract

Deep learning is ideal for dealing with large amounts of data, but crystalline orientation data from EBSD is an exception. Most of the work published in the field exploits features derived from EBSD, but very few works directly employ the rich orientation data. In this paper, we will review the state of the art of what has been tested to process orientation data in deep learning models, and outline possible perspectives.

Keywords: EBSD, Deep Learning, Cristalline orientation

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