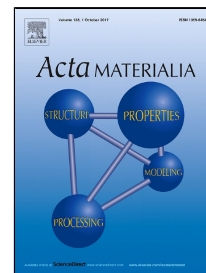


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Microstructure Recognition Using Convolutional Neural Networks for Prediction of Ionic Conductivity in Ceramics



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Title

Microstructure Recognition Using Convolutional Neural Networks for Prediction of Ionic Conductivity in Ceramics

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Abstract

Convolutional neural networks (CNNs) have recently exhibited state-of-the-art performance with respect to image recognition tasks. In the present study, we adopt CNNs to link experimental microstructures with corresponding ionic conductivities.

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