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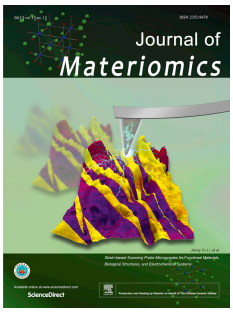

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Graphical Abstract

Materials Discovery and Design using Machine Learning

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Machine learning provides a new means of screening novel materials with good performance, developing quantitative structure-activity relationships (QSARs) and other models, predicting the properties of materials, discovering new materials and performing other materials-related studies.