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Finite element analysis of temperature and stress fields during the selective laser melting process of thermoelectric SnTe

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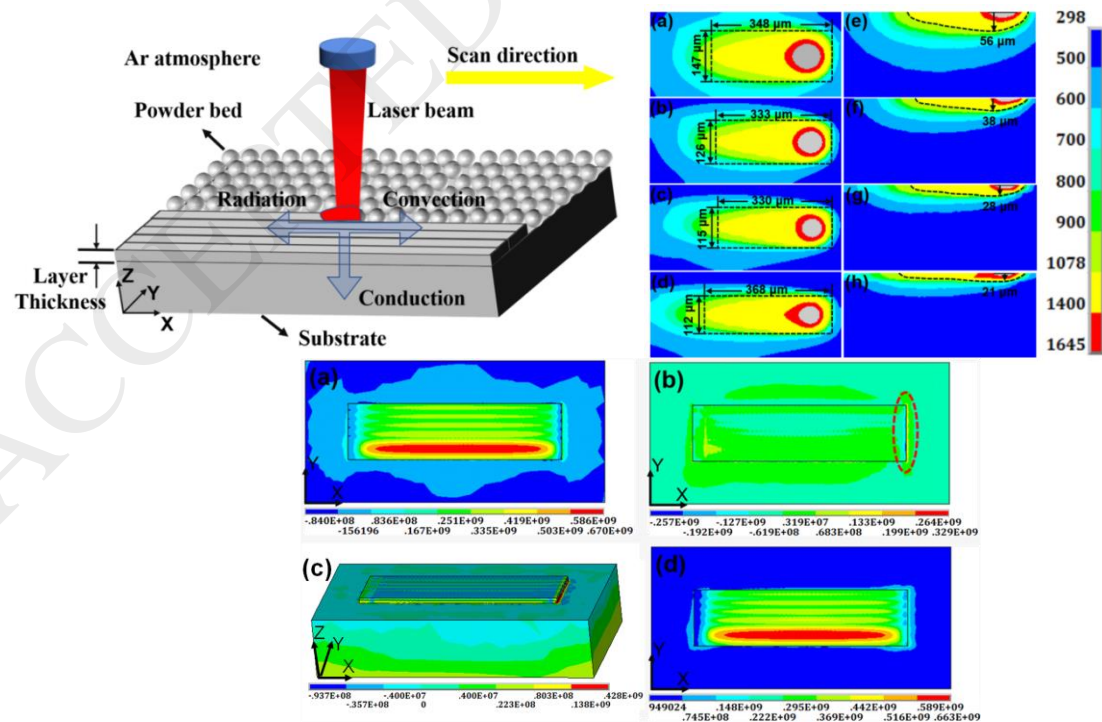
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Graphical abstract

A 3D non-linear transient finite element model is set up using the ANSYS program to predict the temperature and stress distribution during the selective laser melting (SLM) processing of a promising thermoelectric material (SnTe), and the calculation results are consistent with SLM experiments.



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