



New Advances in Thermal Transport

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Message from the Guest Editor

Over the past years, the study of thermal conductivity has become a key point in order to make advances in the fabrication of new electronic devices. Proper knowledge of the thermal transport of materials, especially in semiconductors, metals, and their contacts, would allow to avoid overheating and a faster release of the heat, for instance. At the same time, this will allow an increase in the operation velocity and reduction in the size of the microprocessors.

Nowadays, the thermal conductivities of a large number of bulk materials have been accurately calculated using ab initio techniques.

This Special Issue in the journal Applied Sciences, aims to cover recent advances in the development of theoretical models and experimental techniques regarding thermal transport beyond the Fourier law.





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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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