

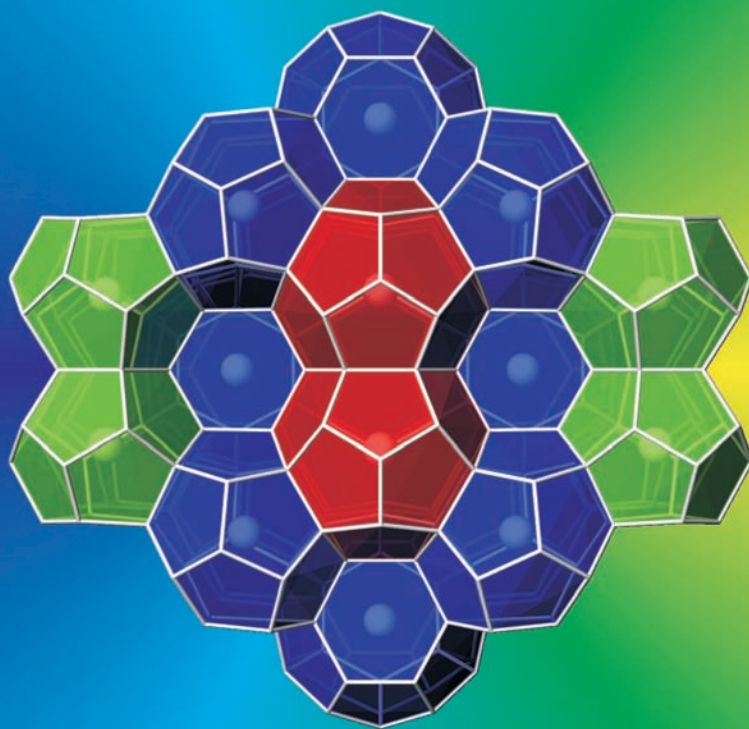
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THERMOELECTRIC POWER



OF CLATHRATE III

The fascinating...

... crystal structure of type-III clathrates consisting of cage polyhedra of three types (shown in green, red, and blue in the picture) is not the only grace of the compounds in the Si-P-Te system. They combine effective charge-carrier transport and poor transport of heat with chemical stability in air up to 1500 K, making them a solid base for designing powerful thermoelectric materials for high-temperature power generation. For more details, see the Full Paper on page 12582 ff., by A. V. Shevelkov et al.

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