Accepted Manuscript

An Overview of Experimental Studies on Nanorefrigerants: Recent Research, Development and Applications

S.S. Sanukrishna, Maneesh Murukan, Prakash M. Jose

 PII:
 S0140-7007(18)30092-6

 DOI:
 10.1016/j.ijrefrig.2018.03.013

 Reference:
 JIJR 3926

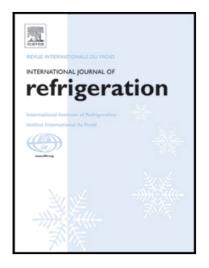
To appear in:

International Journal of Refrigeration

Received date:1 March 2018Revised date:5 March 2018Accepted date:11 March 2018

Please cite this article as: S.S. Sanukrishna, Maneesh Murukan, Prakash M. Jose, An Overview of Experimental Studies on Nanorefrigerants: Recent Research, Development and Applications, *International Journal of Refrigeration* (2018), doi: 10.1016/j.ijrefrig.2018.03.013

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Highlights

- An overview of experimental studies on nanorefrigerants has been presented.
- The nanoparticles play vital role in the thermophysical properties of refrigerants.
- Phase change heat transfer coefficients have been enhanced with nanorefrigerants.
- Particle aggregation, migration and degradation properties have crucial effects.
- Overall performance of HVAC systems is improved by using nanorefrigerants.

Download English Version:

https://daneshyari.com/en/article/7175344

Download Persian Version:

https://daneshyari.com/article/7175344

Daneshyari.com