

Peer Review

Review of: "Heat Transfer in Composite Materials: Mechanisms and Applications"

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By this review article the author's lucid style of explanation is clearly appreciated by the reviewer. This review article needs minor corrections as mentioned below.

1. The figure caption should be not be too lengthy and must be stated in a single

line the extra text can be written in the explanation. For example, "Figure 4.

Illustration of the applicability of different modeling approaches for predicting

heat transfer in composite materials across diverse size and time scales" is

enough and the one mentioned below should be curtailed.

Figure 4. Illustration of the applicability of different modeling approaches for predicting heat transfer in composite materials across diverse size and time scales. Each method demonstrates unique advantages tailored to the specific scale and complexity of the problem being analyzed.

Please do the same for rest of figure-like figure 3 too.

2. Please also make a table of contents at the beginning of the paper after abstract mentioning all the major topics covered in this review, for example,

1. Introduction

2. Fundamentals of Heat transfer in Composite materials

- 2.1. Conductive Heat Transfer in Composite Materials

- 2.1.1 and so on

It helps in studying and analyzing the various topics of the lengthy review at the beginning stage.

3. Cite certain relevant articles on computational analysis and composite change materials as mentioned below :

Polymer-based supporting materials and polymer-encapsulated phase change materials for thermal energy storage: A review on the recent advances of materials, synthesis, and ...

S Nagar, S Sreenivasa

Polymer Engineering & Science 64 (9), 4341-4370

Characterizations and Energy Analysis of Hydroxyl Group Functionalized Graphene (Nanomaterial) Mixed with Paraffin Wax (Polymer Pcm) as Thermal Energy Storage Materials And ...

S Nagar, S Sreenivasa, G Kumar, GK Gard

International Journal of Maritime Engineering 1 (1), 447-454

Declarations

Potential competing interests: No potential competing interests to declare.