

Review of: "A memory dependent analysis on permeation of non-Gaussian laser pulse through human skin"

Xiaoya Li

Potential competing interests: No potential competing interests to declare.

This work analyzed the influence of the memory dependence characteristic on the thermodynamic responses of skin tissue. And the effects of two different types of laser beams on the skin were investigated. The quality of this paper will be improved if the following comments are considered:

1. There are some spelling mistakes in some words, the author should read the whole paper carefully.
2. The results of Memory response should be compared with the thermal wave model not the Pennes model (as shown in Figures 4-6). Only in this way, it can be explained the influence of the memory dependence characteristic on the results. And the values of parameters (a , b and ω) in the Memory model should be given in this section. Besides, how the results of blue line (Without energy Dissipation) in Figure 4 are obtained.
3. To verify the results in this work, the solutions obtained in this paper should be validated with the experimental data or results in other references.
4. The symbol ξ appear in s_1 of Eq.(27) and Eq.(52), but it represents a different physical meaning. It should be replaced by a different symbol.