

**BPI Review Form 070520**

Book Name:	<b><u>Current Innovations in Chemical and Materials Sciences</u></b>
Manuscript Number:	<b>Ms_BP_6884C</b>
Title of the Manuscript:	<b>Numerical simulation of thermal energy transfer between the rarified gas and solid surface</b>
Type of the Article	<b>Book Chapter</b>

**PART 1: Review Comments**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <i>(If agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. Authors must write his/her feedback here)</i>
Is the manuscript important for the scientific community? Please write a few sentences explaining your answer	Yes. The scattering of gases on solid surfaces plays a vital role in many advanced technologies. However, the energy transport mechanism at gas-surface interfaces is still not clear and the gas/2D-surface interaction affects the thermal energy transport is unclear, so it is necessary of this work to address the questions above.	
Is the title of the article suitable? Do you have any alternative Title in your mind?	Yes. The title is appropriate in this manuscript.	
Is the abstract of the article comprehensive? If your answer is No, please provide suggestions	No. At the beginning, the significance of this work should be emphasized, and the broad impact of this work is not mentioned. Namely, the motivation should be clearly stated. What is the research question being addressed in this work. Please list the key results in this work. Please also concise the experimental procedures. One sentence is enough.	
Do you think the English quality of the article is suitable for scholarly communications? If your answer is No, please provide suggestions	Yes. The logic flow of this manuscript is pretty good.	
Please provide your comments regarding the appropriateness of different sections of the manuscript.	The logic flow of each section is pretty good.	
Do you think that the references in the manuscript are proper, recent and sufficient? If you have any suggestions, please write here.	No. The references cited are too old. Please cite the literature within last 1-3 years to support the significance of this work.	

**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**BPI Review Form 070520**

**Reviewer Details:**

Name:	<b>Jinlong Zhang</b>
Department, University & Country	<b>School for Engineering of Mater, Transport and Engineering, Arizona State University, USA</b>