

Review Form2

Book Name:	Chemical and Materials Sciences: Developments and Innovations
Manuscript Number:	Ms_BPR_2707
Title of the Manuscript:	On the mechanism of helium permeation through silica glass
Type of the Article	Book chapter

PART 1: Review Comments

Compulsory REVISION comments	Reviewer’s comment	Author’s Feedback(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimumof 3-4 sentences may be required for this part.	This manuscript contains the concept/ theory of the permeation of the different gasses through silica glass. This manuscripthas a briefreview of the experimental data and its contradictions with the continuous random network theory. The authors proposed nanoflake model to explain the mechanism of gas permeation. Hence, personally I feel that, I like the manuscript.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes! The title to the article suitable.	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	Yes! The current version of the abstract is comprehensive. No suggestions from my side.	
Are subsections and structure of the manuscript appropriate?	Yes! Subsections and structure of the manuscript are appropriate.	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimumof 3-4 sentences may be required for this part.	The authors proposed the structural model of silica glass which encompasses and it is explaining most of the perperties of glass. I found that, their intention, the authors tried to checkifthenanoflakemodelcanprovideanexplanationforthehighpermeabilityofsilicag lasstoheliumgas, is achieved. I found that, the authros proposed the nanoflake model of the medium – range silica glass structure is quite interesting.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. =	Yes! References are sufficient.	

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Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	Little bit grammatical errors to be corrected.	
Optional/General comments	SOME TYPOGRAPHICAL ERRORS MAY BE ELIMINATED.	

PART 2:

	Reviewer’s comment	Author’s comment(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)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	

Reviewer Details:

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