



SDI Review Form 1.6

PART 1:

Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	2013_BJAST_3788
Title of the Manuscript:	Local Structure and Tracer Diffusion Mechanism in Amorphous Fe-based Alloys

General guideline for Peer Review process is available in this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

- This form has total 7 parts. Kindly note that you should use all the parts of this review form.



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PART 2: Review Comments

	Reviewer's comment	Author's comment <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>
<u>Compulsory</u> REVISION comments		
<u>Minor</u> REVISION comments	In this paper, using the statistic relaxation model, the author investigated the local structure and tracer diffusion mechanism in the amorphous Fe and Fe ₈₀ B ₂₀ solid by simulation. The diffusion mechanism in the amorphous solid has been studied. The number of the bubbles weakly depends on the temperature, but is sensitive to the relaxation. In the field of material science, especially for bulk metallic glasses, the investigation on the structural relaxation and atomic diffusion upon thermal annealing is welcome. I think personally that this paper has some referenced significance for discussing the structural essences for high plasticity of some bulk metallic glasses. However, 1) the INTRODUCTION section was not well written; 2) There exist some short on English expression, polishing words is necessary; 3) in the References section, the abbreviation of the journal name should be uniform. For example, references [1] and [3]; [8], [18], and [23]	I will revise in the next manuscript
<u>Optional/General</u> comments		