



SDI Review Form 1.6

Journal Name:	Journal of Materials Science Research and Reviews
Manuscript Number:	Ms_JMSRR_40591
Title of the Manuscript:	First Principles study of electronic structure, mechanical and superconducting Properties of Palladium Hydride
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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

PART 1: Review Comments

	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)
<u>Compulsory</u> REVISION comments	Absent	
<u>Minor</u> REVISION comments	Absent	
<u>Optional/General</u> comments	The strong-coupling equation is in the form of Volterra integral equation. The paper discusses <i>theoretical study</i> of superconductivity in PdH in the framework of strong-coupling theory of superconductivity. Several parameters such as λ , μ^* have been obtained from calculation based on density functional theory, which is input to the numerically derived McMillan equation. Moreover, PdH received significant interest in the past, before the discovery of HTSC. The paper can be accepted.	

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