Response to Reviewer 1 Comments

Point 1: The authors have incorporated some of the recommendations made in the last report. Numerous references have been incorporated that improve the state-of-the-art.

Response 1: Thank you for your affirmation and patient guidance.

Point 2: Although it would be advisable to indicate in the conclusions the novelty of the paper and the contribution of the authors to the topic addressed.

Response 2: In the conclusions, we added a special paragraph to describe the difference between this proposed method and the existing similar methods, as well as its features and benefits, and then introduce the main content of this paper. So that readers can directly judge the novelty and contribution of this article.

Point 3: It would be advisable to increase the number of bibliographical references.

Response 3: Based on your comments, we cited more bibliographical references. Some of them are in the introduction to show the typical structures and controls of STATCOM, and some are about the control system designed in this article, such as the control structure, modulation, and voltage balancing control. In the previous versions, we thought that these contents were common in the STATCOM, so they were not listed. In this revised version, we list special references on these contents to facilitate readers to understand the control details.