Dear Editor,

We are submitting this revision to the paper titled “A lower limb exoskeleton recycling energy from knee joint and ankle joint to assist push-off” with ID “JMR-19-1300”.

We made the following major changes in this revision: 1) We reviewed the language thoroughly and made our best efforts to eliminate the grammatic mistakes and unclear formulations. 2) The “Parameter Design” subsection was rewritten after we recognized some logic flaws and undefined notations, as pointed out by the reviewers. 3) The “Results and Discussion” subsection was further structured into sub-subsections to categorize the experimental findings, in order to make it easier for readers to follow. 4) We added the inverse kinematics and dynamics analysis of the hip joint with a brief discussion on how they are affected by the exoskeleton. 5) We also added the experiment results for the left leg where no exoskeleton was worn in the EXO\_ON and EXO\_OFF conditions, and discussed how this asymmetry affected the analysis on the performance of the exoskeleton.

To make this manuscript readable, we only highlighted the changes which are important or specific to the reviewers’ comments. The changes 2), 3) and language revisions were not highlighted.

Finally, we want to thank you for your recognition on our work, and especially for your efforts in finding the qualified reviewers which helped us tremendously in improving the manuscript.

Sincerely,

Chenglong Fu,

Yihua Chang,

Weixin Wang