

Response to Reviewer 4 Comments

Dear editor and reviewer,

I am very grateful to your comments for the manuscript. All of your suggestions are very important. They have important guiding significance for our paper writing and scientific research work. According to your suggestion, we revised the relevant part in manuscript. Some of your questions were answered below.

Point 1: The authors have improved the manuscript and took into account the most of comments. I still suggest they improve the introduction part a bit more by adding/describing there a couple of more recently published results in the field such as

<https://www.mdpi.com/1424-8220/16/3/316>

<https://www.sciencedirect.com/science/article/abs/pii/S0360544216311525>

Response 1: After carefully reading the references you provided, we found that the research contents of these two references were very meaningful and decided to add them to the manuscript.

Bearing faults, which often occur gradually, represent one of the foremost causes of failures in the industry. Therefore, detection of their faults in an early stage is quite important to assure reliable and efficient operation [1].

In recent years, fault diagnosis methods based on intelligent classifier and machine learning have attracted the attention of scholars and made good progress [10,11].

[1] Gligorijevic, J.; Gajic, D.; Brkovic, A.; Savic-Gajic, I.; Georgieva, O.; Di Gennaro, S. Online condition monitoring of bearings to support total productive maintenance in the packaging materials industry. *Sensors* **2016**, *16*, 316.

[2] Brkovic, A.; Gajic, D.; Gligorijevic, J.; Savic-Gajic, I.; Georgieva, O.; Di Gennaro, S. Early fault detection and diagnosis in bearings for more efficient operation of rotating machinery. *Energy* **2016**, *136*, 63–71.

Thank you.

Thank you again for your advice. I hope I can learn more from you.