5GH Foundation

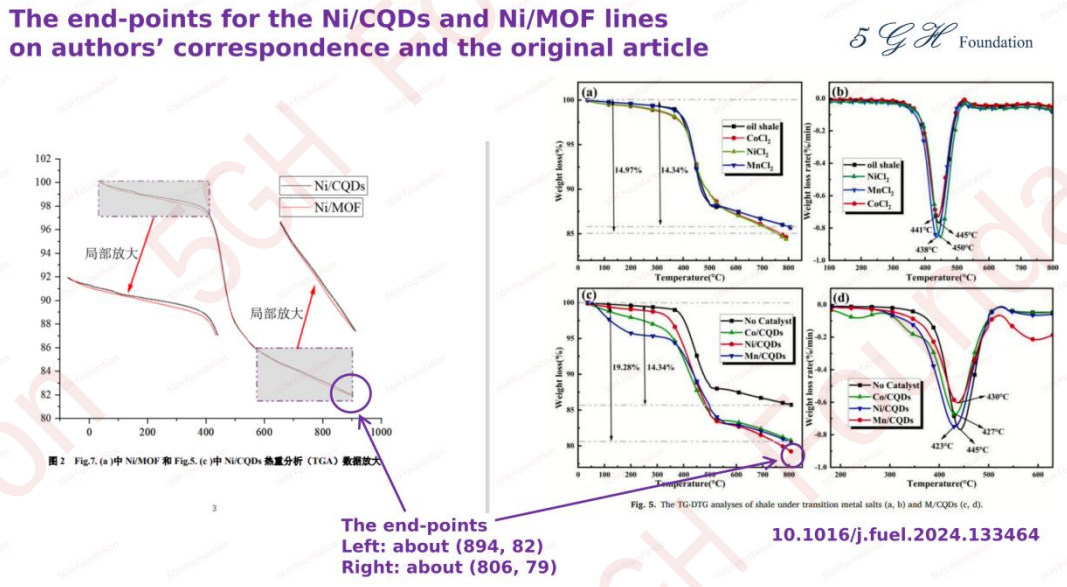
Our Concerns on Two Articles from GUO Jixiang's Team

Dear Mr. Cui,

On behalf of the 5GH Team, I am writing this letter to expressing our further concerns regarding two articles [1-2] published by GUO Jixiang's team.

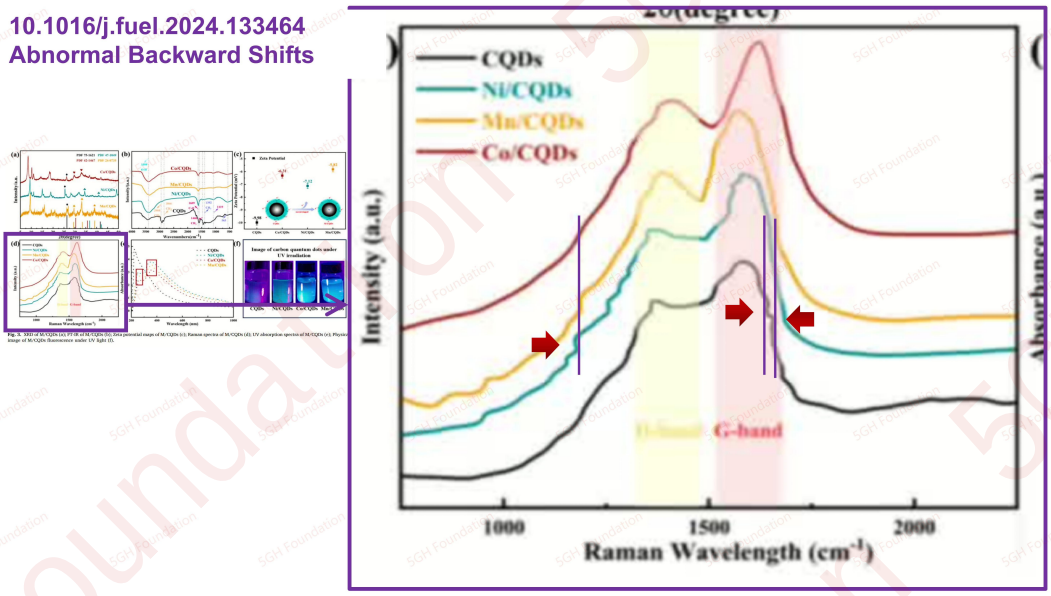
We noticed a post [3] on your WeChat and a correspondence from the GUO Jixiang's team addressing concerns of reusing data on the Figure 5(c) of the article [1], and the Figure 7(a) of the article [2]. However, the lines shown on the correspondence from WANG Li, a member from the GUO Jixiang's team, are inconsistent to those on the article [1] and [2].

For example, we extracted the end-point data for the Ni/CQDs and Ni/MOF lines on WANG's correspondence [4], using the automeris.io APP (https://automeris.io/). Results show that the Ni/CQDs and Ni/MOF lines on WANG's correspondence end around (894, 82), suggesting the "weight loss" values higher than 82% at 800 deg.C. However, the "weight loss" values for the Ni/CQDs line on Figure 5(c) of article [1] and the Ni/MOF line on Figure 7(a) of article [2] are both around or lower than 80%. Similar discrepancy can be observed for the Co/CQDs and Co/MOF lines. This suggests that the lines shown in WANG's correspondence may not be the same as those in the original articles [1] and [2].



Additionally, we also observed some abnormal backward shifts in the Raman spectra shown on Figure 3 of the article [1]. Such shifts are unlikely to occur in real Raman spectra.

10.1016/j.fuel.2024.133464
Abnormal Backward Shifts



Furthermore, we noticed two different “styles” of error bars on Figure 8 of article [2]: (1) with a gap to the data bars, and (2) without a gap to the data bars. The phenomenon is rarely observed on the outputs from the visualization software such as Origine, Python, and R, although it is possible that this could have been caused by image processing during the publication process.

10.1016/j.jaap.2023.106149
Samples of the Error Bars

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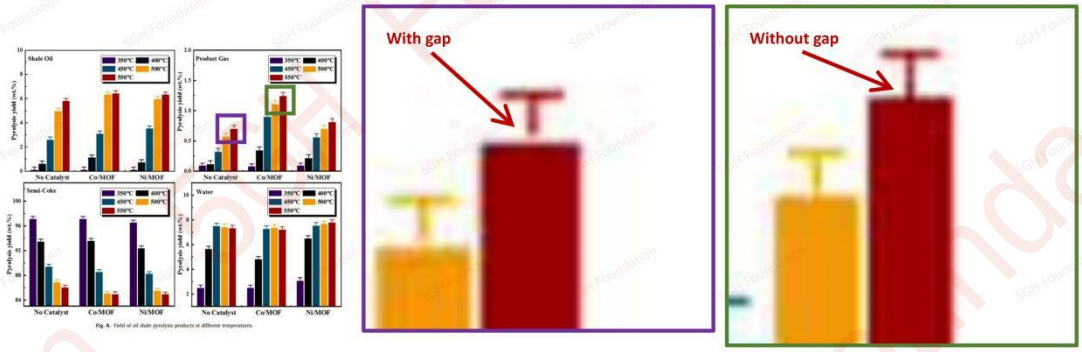

Above are our concerns on the article [1-2]. Thank you very much for your attention to this matter.

[1] 10.1016/j.fuel.2024.133464
[2] 10.1016/j.jaap.2023.106149
[3] https://mp.weixin.qq.com/s/R3MkUqw7DjjHTaXysStdEQ
[4] https://mp.weixin.qq.com/s/cutysThFMGp-IgkZN1rNqw