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Dear Editor

On behalf of all the authors, I hereby submit our revised manuscript entitled "Enhanced storage performance of PANI and PANI/graphene composites synthesized in protic ionic liquids" . Below our response to reviewer comments (reviewer 1, 2 and 3). Changes made to the paper, following to the reviewer's recommendations, are highlighted with yellow color.

Reviewer 2: I write you in regards to the manuscript entitled "Enhanced storage performance of PANI and PANI/graphene composites synthesized in protic ionic liquids*"*, submitted to the Materials. After going through the manuscript, I have got the belief that it is written in a suitable manner and the content could be interesting for the researchers in this field in term of fabricating PANI and PANI/graphene composites synthesized in protic ionic liquids and employed as electrodes for the supercapacitor. The manuscript was well-prepared with scientific sound and logic. However, there are some aspects where more work is requested. For the guidance of the authors, these are included below. Please consider them and deliver a revised version for reconsideration for publication.

Authors: We would like to thank the reviewer for his acceptance to review our work, for his careful reading of the manuscript and for his very positive feedback. Below our point-by-point responses. All changes made in the revised version are highlighted with yellow color.

Reviewer 2: The scale bar in the SEM image (figure 1) should be enlarged for the better vision.

Authors: We have made the change following the reviewer recommendation

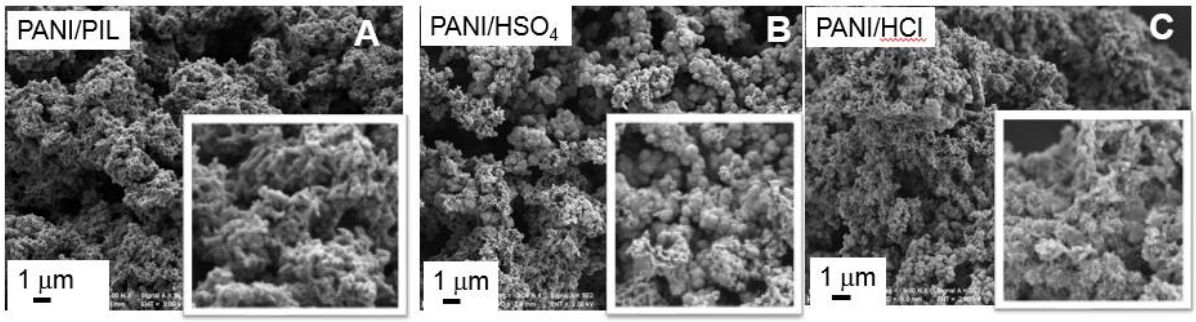


Figure 1: SEM images of PANI/PIL, PANI/HSO_4 and PANI/HCl

Reviewer 2: Labels of Figure 4 is missing. Please check and correct.

Authors: It seems to be an issue which happens when the original word document is converted into pdf file. We have added the label in the new version of the manuscript.

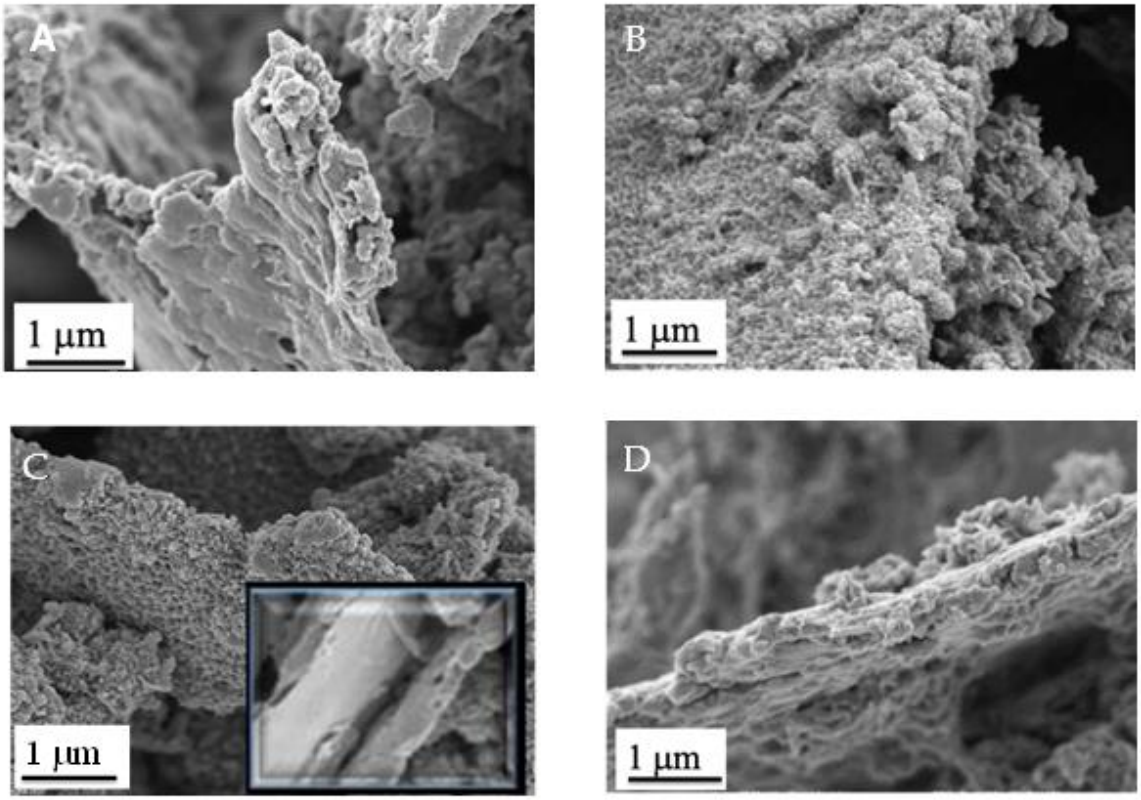


Figure 4: SEM images of the PANI/PIL/GO 98/2 (A), PANI/PIL/GO 84/16 (B), PANI/PIL/GO 68/32 (C) and PANI/PIL/Gr 84/16 (D)

Reviewer 2 : There are many graphene/PANI nanocomposite for supercapacitor reported in the literature. It is necessary to compare the performance of the PANI/graphene as electrode for the supercapacitor in this work to others in the literature**.**

Authors: the following section (line 442 to 453) has been modified to follow the reviewer recommendation:

From Figure 6 and according to reference [52], one of the first to note is that covalently grafted PANI on GO enhances the power density of nanocomposite PANI/GO: it increases from 3160 Wh.Kg-1 for non-grafted PANI/GO to 3500 Wh.kg-1 for covalently grafted PANI/GO at 10 A.g-1. Moving to the other main point in the Ragone plot, In the light of such information, we can conclude that it is noticeable that the energy and power densities of covalently grafted PANI/GO taken from the reference [52] (4.8 Wh.kg-1 and 3500 W.kg-1 @ 10 A.g-1) are very close to those obtained herein using the PANI/PIL/GO 84/16 (4.9 Wh.kg-1 and 3700 W.kg-1 @ 10 A.g-1). In other words, during this work, we were therefore able to get nanocomposites with good performances (specific energy and specific power) without resorting to the intermediate step of aniline functionalization of GO as reported in the literature [52], and, more importantly, with an electrode loading (3 mg.cm-2) three time higher than that used in the literature [52].

Reviewer 2 : There are several English errors throughout the manuscript such as line 123: “synthesis” should be “synthesized”.

Authors: Again, we thank the reviewer for his careful reading and valuable comment, we have checked the English and corrected the mistakes (correction highlighted with the yellow color in the revised version)