Editorial



The December 2022 cover paper

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The cover for the December 2022 issues of the Journal of Materials Science comes from the paper by Bui et al., which appeared in issue #40 from October 2022 [1]. The paper was handled by our Editor Mark Bissett and is entitled "In-situ formation and integration of graphene into MoS₂ interlayer spacing: expansion of interlayer spacing for superior hydrogen evolution reaction in acidic and alkaline electrolyte"; it is part of our "Energy materials" Topical Collection.

The paper brings together (literally) two of our favorite materials, namely MoS₂ and graphene. The authors propose that the new material is a "promising hydrogen evolution reaction (HER) electrocatalyst". The authors are in the Vietnam Academy of Science and Technology in Hanoi and three different Universities in South Korea, so it is a strong international collaboration. The cover image succinctly summarizes the material being studied. SEM, XRD and, of course, TEM are

combined with XPE, Raman and TGA. The promising results leave many avenues for further studies.

The paper does also have a SharedIt link like all articles in JMS (https://rdcu.be/cYZa4) so it can be widely and immediately shared with readers along with the extensive supplementary data; all papers published in JMS are free-to-read in their published form using the SharedIt link from the moment they appear online with their permanent DOI.

References

[1] Bui HT, Linh DC, Nguyen LD et al (2022) In-situ formation and integration of graphene into MoS₂ interlayer spacing: expansion of interlayer spacing for superior hydrogen evolution reaction in acidic and alkaline electrolyte. J Mater Sci 57:18993–19005. https://doi.org/10.1007/s10853-022-07779-4



