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Peer Review Reports

# UV and X-ray excited optical luminescence of $Y_2O_3$:$Eu^{3+}$: a correlation of microstructural parameters and its spectroscopic properties

**The article went through 1 round of review, the reviewer A agreed previously to publish his opinion anonymously and the reviewer B agreed previously to publish his report, revealing his identity.**
**The authors agreed to disclose the reviewers' reports and their responses to the reviewers' comments.**
**Disclaimer: The peer review report content is the entire copy of the reviewers' and authors' comments. Typing and punctuation errors are not edited.**

## ROUND 1

**Reviewer A:** Anonymous
**Recommendation:** Accept Submission
Reviewer X chose not to share his or her opinion, so only the final decision will be disclosed.

**Reviewer B:** Francisco Audiso Dias Filho
**Recommendation:** Accept Submission
The article discusses the importance of using different preparation methods to evaluate the properties of solid samples. Although simple and versatile methods have been proposed, the results raise a question mark over the Pechini method. Could the product be improved by investigating the influence of temperature, time and even the atmosphere of synthesis? Wouldn't obtaining nanoparticles using an ORMOSIL precursor be interesting? There is a whole range of possibilities yet to be explored. Finally, I recommend that the authors do a minor revision of English

## ACCEPT SUBMISSION

Jun. 10, 2026