

Comments on “Simulation of ...” by Zakery et al.

This work reports simulated results for understanding previous experimental results of surface-enhanced Raman scattering reported by the Elliott’s group. The content seems to be original, while the presentation should be improved before a final judgment.

1. The equations on p. 4 are nearly duplicates of those in Ref. 13, which may be represented in a more sophisticated way. In addition, the presentation gives big confusion of scalar and vector, and also scalar product and vector product. This should be corrected.
2. This kind of simulation studies should be written so that it can be reproduced by readers. For that reproduction, the employed program should be referenced (opened) so that we can obtain it, and also employed quantities (of Au...) should be written.
3. The authors write that the obtained enhancement factor is $\sim 10^6$, which is one order greater than that of Ag. But, why? Can you write down the physical and intuitive reason?
4. I cannot follow “xyz-polarization” and “x-polarization”, since the illustrations in Fig. 4 are poor. Please improve those and define unambiguously.
5. Can you physically explain the obtained polarization dependence?

Note: Anonymous Reviewer