Review of: "Multiplicity of solutions for nonlocal fractional equations with nonsmooth potentials"

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The paper under review deals with a class of nonlocal fractional equations with nonsmooth potentials :

$$\begin{cases} L_K u \in \epsilon \partial F(x,u) - \lambda \partial G(x,u) + v \partial H(x,u) & \text{in } \Omega, \\ u = 0 & \text{on } R^N \backslash \Omega. \end{cases}$$

under suitable assumptions on F,G,H and K. By applying an abstract critical point theorem for nonsmooth functionals and combining it with the analytical framework on fractional Sobolev spaces developed by Servadei and Valdinoci, the authors are able to establish the existence of solutions to the above problem.\\

This paper is a nice contribution to the study of PDE's. The main result obtained in this paper is new. The paper promotes the results of the existing literature to a certain extent.

I recommend its publication.