

1. This is a concise review of the author's works on the neutron scattering analysis of proteins, some of which are almost classics. The three categories of the analysis methods may also give a good perspective.
2. Writing is not very straight forward and scholarly. At many places, the organization of sentences/words is very complex and difficult to make sense.
3. A lot of modifications need to be made regarding proper English in the paper. This includes grammar and expressions.
4. In citing references, numbers 17, 18 etc. come before 4. References should be cited serially.
5. In Fig. 1 Type-2 transition is not very clear. Please modify the figure to mark the appropriate point. Pointing the arrow heads from the Temp-axis gives a better idea about the transition temperature.
6. If possible, more explanation on the relation of protein dynamics and biological function (or physical properties) is welcome.
7. Delete sentences: "honored for his functional molecular dynamic simulations of proteins by the Nobel prize in 2013" and "also nobel prize winner of 2013" .
8. Martin Karplus is not the presenter for the possible relationship between protein dynamics and enzyme activity. He is one advocator among many scientists. In addition, this question has been resolved, see paper, Qinyi Zhao. On the indirect relationship between protein dynamics and enzyme activity. Progress in biophysics and molecular biology. 125; 52-60 (2017).
9. This review presents a definite picture of protein dynamics, most clearly in the TR model. However, I cannot find a statement related to the physical implication of the TR model thus determined in the analysis of the neutron scattering data. For example, what kinds of motions in myoglobin reflect the parameter values, tau values and Δ^2 , and their barrier heights and the frequency factors? Are these rotational motions characteristic of amino acids (ala, val, leu, ...) in the protein, or common to small molecules? If Type II motions are originated only from hydration water, what is the diffusive motion of the protein molecule? ...