

The reviewed article "Simulation and experimental study of dynamical recrystallization kinetics of TB8 titanium alloys" is interesting and enrich the knowledge regarding the dynamic recrystallization behavior of TB8 – a new type of metastable β titanium alloy. The results of carried out experiments are presented in a good scientific level. The comprehensive description of obtained results is given in a clear and detailed. The great advantage of the described research works is the support of the experiments with numerical simulations. I highly rate the presented work nevertheless, I ask the authors to refer to the following minor remarks:

1. Page 1, Line: 39: Please delete the unnecessary free space between "technology", and "the".
2. Page 2, Line: 83: Should be "815 °C" rather than "815°C". Please carefully check and correct this mistake in the entire manuscript.
3. Page 3, Line: 88: Please provide the type and manufacturer of the instrument with which the image of the TB8 titanium microstructure was obtained (Leica DMI5000M optical microscope?).
4. Page 3, Line: 90: Should be "ø8×12 mm" rather than "Φ8×12 mm".
5. Page 3, Line: 94: Should be "20 °C/s" rather than "20°C/s". Please carefully check and correct this mistake in the entire manuscript.
6. Page 3, Line: 111: Should be "Figure 2" rather than "Fig. 2". Term "Figure" is used in the main text of the manuscript, whereas "Fig." only in brackets. Please carefully check and correct this mistake in the entire manuscript.
7. Page 5, Line: 148: Please remove the unnecessary parenthesis of ((a) 850 1 s⁻¹.
8. Page 6, Line: 164: Should be "(2° ~ 15°)" rather than "(2o ~ 15o)". Please carefully check and correct this mistake in the entire manuscript.
9. Page 7, Line: 181: Please check font size.
10. Page 7/8: Figure 6 with its caption must be at one page.
11. Page 10, Line: 195: You wrote "Histograms" as a capital letter. Why?
12. Page 10, Line: 203: The description of Figure 9 is given in subsection 3.1, but the figure is in subsection 3.2. Why?
13. The authors use many symbols and acronyms. I suggest consider inserting their explanation in the Nomenclature at the end of the work (after the Conflicts of Interest).
14. Please carefully check English language and grammar.