

## Angewandte Corrigendum



Ultrafast Energy Transfer to Liquid Water  
by Sub-Picosecond High-Intensity  
Terahertz Pulses: An Ab Initio Molecular  
Dynamics Study

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The application of an external electric field in the calculations described in this Communication has been based on the usual position gauge formalism which is only adequate for non-periodic systems. In the present case, this leads to an artificially high amount of energy transfer from the electric field to the liquid at a given field intensity.

This issue was overcome by using the correct Berry phase formalism for electric fields in periodic boundary conditions as implemented in the CP2K program. The temperature jump is now achieved at an intensity of  $5 \times 10^{12} \text{ W cm}^{-2}$  instead of  $10^{10} \text{ W cm}^{-2}$  as reported in the Communication. No ionization is found at this intensity during the pulse and therefore the conclusions remain unaffected.

The Supporting Information provided along with this Corrigendum contains new Figures 1 and 3 with corrected mean energies and corresponding distributions of the water monomers and radial distribution functions.

The authors sincerely apologize for this mistake which does not affect the main conclusions of the work.