Proposed relaxation of solar glass

Despite the abundance of solar radiation, significant energy losses occur due to scattering, reflection, and thermal dissipation. Glass mitigates these losses by functioning as a ...

Here, we present a comprehensive review of experimental and computational models used to study the relaxation behavior of high-temperature oxide glasses, with an emphasis on ...

We study the microscopic origins of relaxation modes revealed by spectroscopic studies of glasses. Major features in calorimetric and structural relaxation spectra, including ? peaks, ? peaks, ...

This work proposes a fundamental thermodynamic description of structural relaxation in glasses by establishing a link between the Prony series solution to volume relaxation derived from the principles ...

Models to predict the behavior of glass relaxation have been proposed for more than 80 years and have become increasingly more accurate at the cost of simplicity.

We emphasize the apparent difference between the glass transitions in polymers and small molecules. We also discuss the possible role of quantum effects in the glass transition of light molecules and ...

The structuring of glass surfaces is a promising way to reduce glare, increase performance and, as a result, enlarge the application possibilities of PV modules. Glass structuring was investigated before. ...

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