Anisotropic double-glass components

Laser-guided anisotropic etching is developed for precision glass micromachining. Steady guided etching ensures LGAE"s robustness and the shape accuracy. High-quality microstructures, ...

Dielectric spectroscopy and shear viscosity measurements were employed to get insight into the decoupling between reorientation relaxation times and viscosity for anisotropic glass-formers ...

This phenomenon is termed " double " or " bi " refraction and is seen to a greater or lesser degree in all anisotropic crystals. One of the most dramatic demonstrations of double ...

We study glass behavior in a mixture of elliptic and circular particles in two dimensions at low temperatures using an orientation-dependent Lennard-Jones potential.

Our discovery of a new phenomenon, where laser-modified regions break the rule of inherently isotropic glass etching and regulate a directional ...

The mechanism relies on the system exhibiting two properties: (1) molecular mobility at the free surface of the glass that is significantly enhanced in comparison to bulk glass, and (2) an ...

Here, we present a systematic review of electronic structure, transport and optical properties of several representative groups of anisotropic two-dimensional materials including semiconductors, anisotropic ...

Fiber-reinforced polymers (FRPs) are now prevalently employed in applications that necessitate superior thermo-mechanical properties alongside weight reduction and cost-effective ...

This article systematically categorizes anisotropic 2D materials and offers an insightful overview of their crystal structures. It also introduces various ...

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