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Title: Influence of Irradiation Dose on Laser-Induced Surface Nanostructures on Silicon

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**Influence of irradiation dose on laser-induced surface nanostructures on silicon**

J. Reif et al.

**Highlights**

- Dose-dependent **continuous evolution** of LIPSS.
- **One single** interaction mechanism for different structures, scales and shapes
- Inter-structural cross-linkages, typical for self-organized structure formation
- Experimental results strongly support self-organization model for LIPSS formation

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