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High Power Laser-Sustained Plasma Light Sources for KLA-Tencor Broadinspection Tools

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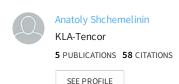
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Overview

- Motivation: high-brightness UV light sources for wafer inspection
- Failure of traditional sources to meet K-T brightness requirement
- Laser-Sustained Plasma (LSP) principles of operation
- Why not pulsed? Why not CO₂ pumped?
- Experimental capabilities
- Challenges of the high-power regime
- Prospect for high-power LSP sources



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