

Please check: are the following details reported in the manuscript?

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Lasing Reporting Summary

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	Experimental	ucsiei	ı

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L.	Threshold		
	Plots of device output power versus pump power over a wide range of values indicating a clear threshold	Yes No	Not necessary for the fabrication of the microstructure template, with the universal laser system (VLS 2.30) operated far above the threshold.
2.	Linewidth narrowing		
	Plots of spectral power density for the emission at pump powers below, around, and above the lasing threshold, indicating a clear linewidth narrowing at threshold	Yes No	Not necessary for the fabrication of the microstructure template.
	Resolution of the spectrometer used to make spectral measurements	Yes No	Spectral measurements were not performed.
3.	Coherent emission		
	Measurements of the coherence and/or polarization of the emission	Yes No	Not necessary for the fabrication of the microstructure template.
ļ.	Beam spatial profile		
	Image and/or measurement of the spatial shape and profile of the emission, showing a well-defined beam above threshold	Yes No	Not necessary for the fabrication of the microstructure template.
).	Operating conditions		
	Description of the laser and pumping conditions Continuous-wave, pulsed, temperature of operation	Yes No	"Fabrication of the PMMA mold" Section and Supplementary Table 1.
	Threshold values provided as density values (e.g. W cm ⁻² or J cm ⁻²) taking into account the area of the device	Yes No	Not necessary for the fabrication of the microstructure template.
õ.	Alternative explanations		
	Reasoning as to why alternative explanations have been ruled out as responsible for the emission characteristics e.g. amplified spontaneous, directional scattering; modification of fluorescence spectrum by the cavity	Yes No	Not necessary for the fabrication of the microstructure template.
7.	Theoretical analysis		
	Theoretical analysis that ensures that the experimental values measured are realistic and reasonable e.g. laser threshold, linewidth, cavity gain-loss, efficiency	Yes No	Not necessary for the fabrication of the microstructure template.
3.	Statistics		
	Number of devices fabricated and tested	Yes No	Not necessary for the fabrication of the microstructure template.
	Statistical analysis of the device performance and lifetime (time to failure)	Yes	There was no statistical analysis on this device.