

We	eb of Science [™]	Search	AMIRAH HAFIT ~
=<	Results for MODE-LOCKIN	G >	
IENU	Mode-locking in holmium	doped fiber laser operating at 2	06 μm using man
9			
	Mode-loc	king in holmi	um doped fiber
	laser ope	rating at 2.06	µm using
	mangane	ese violet	
	Are you this author?		
	Ву	Ahmad, H; Kamaruzzaman,	<; Zulkifli, MZ
	Source	OPTICAL AND QUANTUM	ELECTRONICS
		Volume: 56 Issue: 7	
		DOI: 10.1007/S11082-024-07	019-w
	Article Number	1091	
	Published	MAY 18 2024	
	Document Type	Review	
	Abstract	In this letter, we demons fiber laser (HDFL) using r arc-shaped fiber as the s was prepared using the k pumped with a compact operating at 1943 nm, de up to 2 W. Mode-locking power of 1.2 W by integra pulses obtained were cer repetition rate of 4.41 Mi	trated mode-locking in a holmium-doped nanganese violet (MV) drop-casted on an aturable absorber (SA). The MV solution hydrothermal method. The HDFL was in-house thulium-doped fiber laser livering a continuous wave (CW) output of was successfully generated at the pump ating the MV-SA into the ring cavity. The ntered at a wavelength of 2067.4 nm, with a la and a pulse duration of 3.05 ps. The 16

Mode-locking in holmium doped fiber laser operating at 2.06 µm using manganese violet-Web of Science Core Collection

first to use a material-based SA on an arc-shaped fiber to generate mode-locking in an HDFL. It will hopefully spur further research on exploring other two-dimensional (2D) materials to generate short pulses at the longer wavelength near 2.1 mu m.

+ See more data fields

Citation Network

In Web of Science Core Collection

2 Citations

64 Cited References

How does this document's citation performance compare to peers?

Copen comparison metrics panel
New

Data is from InCites Benchmarking & Analytics

This record is from:

Web of Science Core Collection

• Science Citation Index Expanded (SCI-EXPANDED)

Suggest a correction

If you would like to improve the quality of the data in this record, please **Suggest a correction**

Clarivate[™] Accelerating innovation ${\small @ {\tt 2025 Clarivate Data Correction } Copyright Notice Manage cookie preferences } {\small {\tt Follow Us}}$

Training Portal Privacy StatementCookie Policy

Product SupportNewsletter

Terms of Use

