Universal manuscript template for Optica Publishing Group journals

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Abstract: not yet

1. Introduction

not yet

2. Experimental setup

2.1. 976 nm amplifier system

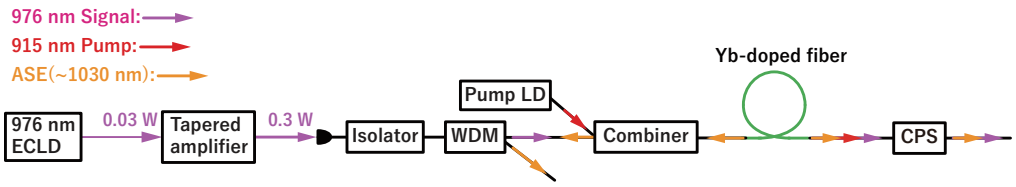

Fig. 1. 976 nm YDFA system.

A schematic of the 976 nm YDFA system is shown in Fig. 1. An external-cavity laser diode(ECLD) at 976 nm is used for a seed laser. The seed laser is pre-amplified by tapered amplifier from 30 mW to 900 mW, and coupled to the YDFA input fiber which is a polarization maintining(PM) fiber with a FPC/AC connector. The seed input of the YDFA is connected to an isolator and a wavelength division multiplexing(WDM) filter, which are used to block return light such as backward ASE to the seed laser. The seed and pump are combined into a double cladding PM fiber which has a core diameter of 20 µm and a cladding diameter of 125 µm by a pump and signal combiner. The 915 nm radiation for pumping the Yb-doped fiber is generated from fiber-coupled laser diode with an output power of up to 70 W. The output is directly fusion-spliced to a input port of the pump and signal combiner. The combiner output is spliced to the Yb-doped fiber. The cladding power stripper(CPS) is connected after Yb-doped fiber to remove a residual pump power in the output of Yb-doped fiber. The Yb-doped fiber nLIGHT Yb1200-25/125DC-PM is used as the gain fiber. The fiber is fixed on top of the water-cooled heatsink with a thermal conductive sheet.

2.2. 987 nm amplifier system

A schematic of the 987 nm YDFA system is shown in Fig. 2. The 987 nm YDFA has almost the same configuration as the 976 nm YDFA system.

2.3. 1112 nm amplifier system

A schematic of the 1112 nm YDFA system is shown in Fig. 2.

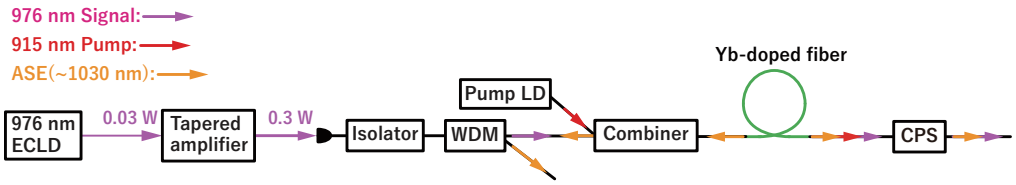

Fig. 2. 987 nm YDFA system.

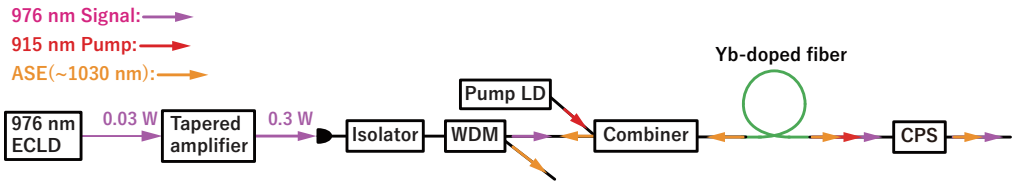

Fig. 3. 1112 nm YDFA system.

3. Results and discussion

The abstract should be limited to approximately 100 words If the work of another author is cited in the abstract, that citation should be written out without a number, (e.g., journal, volume, first page, and year in square brackets [Opt. Express **22**, 1234 (2014)]), and a separate citation should be included in the body of the text The first reference cited in the main text must be [1] Do not include numbers, bullets, or lists inside the abstract.

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5.1. Figures and tables

Figures and tables should be placed in the body of the manuscript. Standard LaTeX environments should be used to place tables and figures:

```
\begin{figure}[htbp]
\centering\includegraphics[width=7cm]{osafig1}
\caption{Sample caption (Fig. 2, \cite{Yelin:03}).}
\end{figure}
```

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5.3. Sample Dataset Citation

1. M. Partridge, "Spectra evolution during coating," figshare (2014), http://dx.doi.org/10.6084/m9.figshare.1004612.

5.4. Sample Code Citation

2. C. Rivers, "Epipy: Python tools for epidemiology," figshare (2014) [retrieved 13 May 2015], http://dx.doi.org/10.6084/m9.figshare.1005064.

6. Mathematical and scientific notation

6.1. Displayed equations

Displayed equations should be centered. Equation numbers should appear at the right-hand margin, in parentheses:

$$J(\rho) = \frac{\gamma^2}{2} \sum_{k(\text{even})=-\infty}^{\infty} \frac{(1+k\tau)}{\left[(1+k\tau)^2+(\gamma\rho)^2\right]^{3/2}}. \tag{1}$$

All equations should be numbered in the order in which they appear and should be referenced from within the main text as Eq. (1), Eq. (2), and so on [or as inequality (1), etc., as appropriate].

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ABC: 123 Corporation (I,E,P), DEF: 456 Corporation (R,S). GHI: 789 Corporation (C).

If there are no disclosures, then list "The authors declare no conflicts of interest."

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that immediately follows the Disclosures section See the Data Availability Statement policy page for more information.

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1. When datasets are included as integral supplementary material in the paper, they must be declared (e.g., as "Dataset 1" following our current supplementary materials policy) and cited in the DAS, and should appear in the references.

   Data availability. Data underlying the results presented in this paper are available in Dataset 1, Ref. [3].

2. When datasets are cited but not submitted as integral supplementary material, they must be cited in the DAS and should appear in the references.

   Data availability. Data underlying the results presented in this paper are available in Ref. [3].

3. If the data generated or analyzed as part of the research are not publicly available, that should be stated Authors are encouraged to explain why (e.g. the data may be restricted for privacy reasons), and how the data might be obtained or accessed in the future.

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Supplemental document. See Supplement 1 for supporting content.

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8.1. Formatting reference items

Each source must have its own reference number Footnotes (notes at the bottom of text pages) are not used in our journals References require all author names, full titles, and inclusive pagination Examples of common reference types can be found in the style guide.

The commands `\begin{thebibliography}{}` and `\end{thebibliography}` format the section according to standard style, showing the title **References** Use the `\bibitem{label}` command to start each reference.

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References should be numbered consecutively in the order in which they are referenced in the body of the paper Set reference callouts with standard `\cite{}` command or set manually inside square brackets [1].

To reference multiple articles at once, simply use a comma to separate the reference labels, e.g. `\cite{Yelin:03,Masajada:13,Zhang:14}`, produces [1–3].

8.3. BibTeX

BibTeX may be used to create a file containing the references, whose contents (i.e., contents of `.bbl` file) can then be pasted into the bibliography section of the `.tex` file. A BibTeX style file, `osajnl.bst`, is provided.

If your manuscript already contains a manually formatted `\begin{thebibliography}... \end{thebibliography}` list, then delete the `latexmkrc` file (if present) from your submission files However you should ensure that your manually-formatted reference list adheres to style accurately.

9. Conclusion

After proofreading the manuscript, compress your .tex manuscript file and all figures (which should be in EPS or PDF format) in a ZIP, TAR or TAR-GZIP package All files must be referenced at the root level (e.g., file `figure-1.eps`, not `/myfigs/figure-1.eps`). If there are supplementary materials, the associated files should not be included in your manuscript archive but be uploaded separately through the Prism interface.

Add references with BibTeX or manually. [1–8]

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