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**Widely tunable multi-wavelength passively mode-locked
Yb-doped fiber laser operation in an all-normal-dispersion
regime**

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Abstract:

We have demonstrated the generation of widely tunable spectral multi-wavelength all-normal-dispersion (ANDi) Yb-doped fiber laser based on nonlinear polarization evolution (NPE) as the passively mode-locking mechanism. An easy-controlling tunable passband filter fabricated through a phase-shift long-period grating (PS-LPG) is employed to tune and control the wavelength in the laser cavity. By combining the character of the emission cross section of Yb-doped

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