Electronic Supplementary Material (ESI) for Journal of Materials Chemistry C.

Broad-band self-injection organic laser amplifier based on a DBR microcavity

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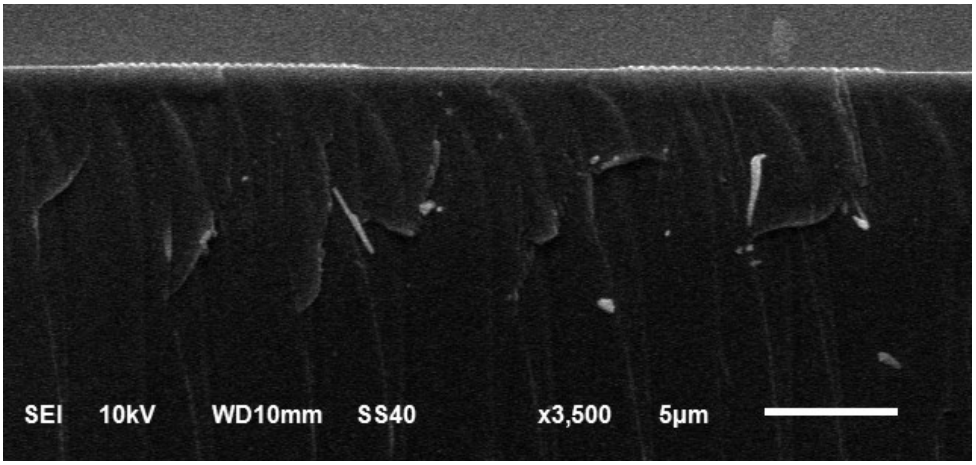

Fig. S1 The SEM image of the DRB microcavities fabricated into the silica substrate using interference lithography and reaction ion beam etching.

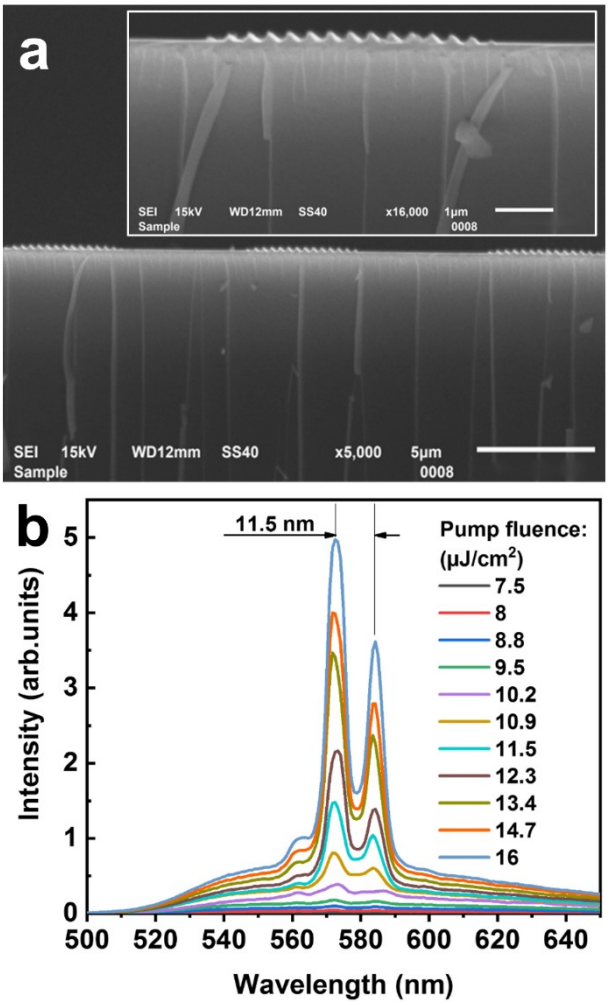

Fig. S2 (a) The SEM image of the DBR microcavities with a period of 10 μm for the large-period grating. (b) Lasing spectra of the DBR microcavity laser array with a period of 10 μm at varied pump fluence from 7.5 to 16 μJ/cm^2.

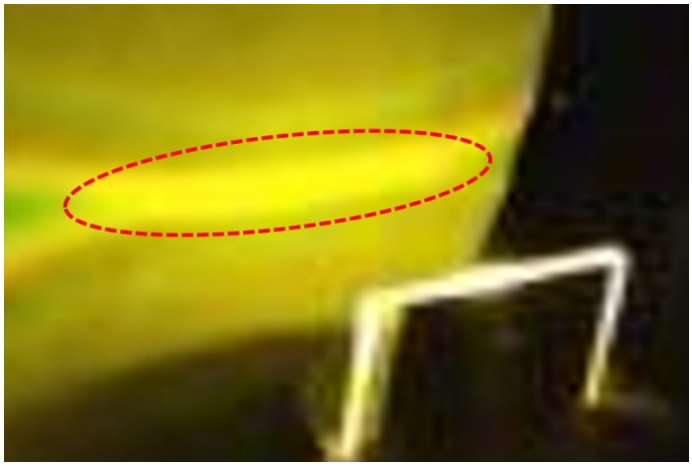

Fig. S3 A enlarged view to demonstrate the high-contrast output laser beam of the DBR microcavity laser amplifier.