

Supporting Information

Violet emission in ZnO nanorods treated with high energy hydrogen plasma

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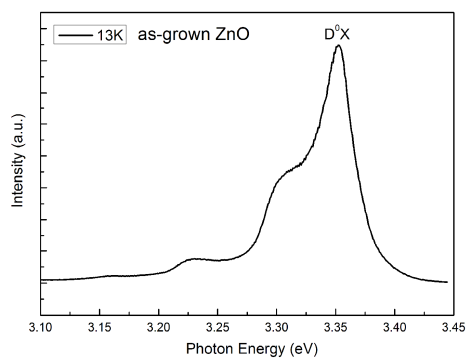


Fig. S1 Low-temperature (13 K) PL spectrum of the as-grown ZnO nanorods.

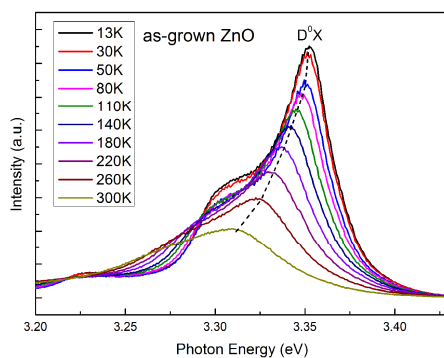


Fig. S2 Temperature-dependent PL spectra of the as-grown ZnO nanorods.

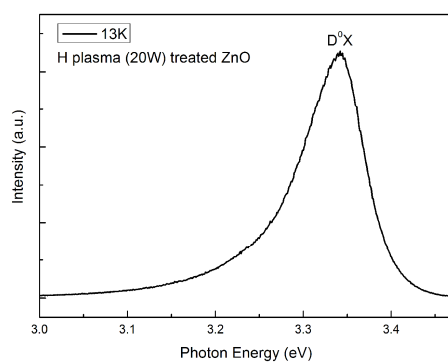


Fig. S3 Low-temperature (13 K) PL spectrum of the H plasma treated (20W) ZnO nanorods.

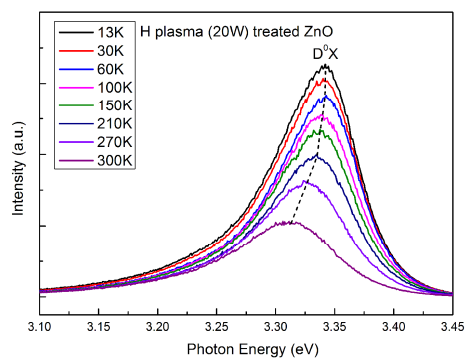


Fig. S4 Temperature-dependent PL spectra of the H plasma treated (20W) ZnO nanorods.

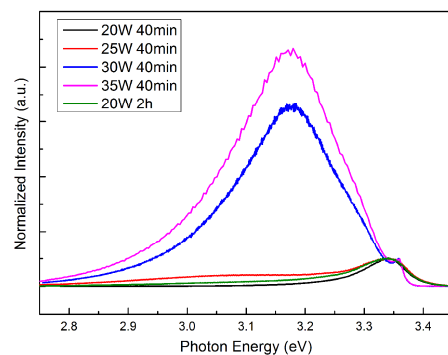


Fig. S5 Low-temperature (13 K) PL spectra of the ZnO nanorods treated with H plasma of different power and treatment time (20 W, 25 W, 30 W, 35 W for 40 min, 20

W for 2 h).