

Synthesis conditions in the second CVD process for the nanowire samples (b-f)

(b) ZnO-ZnGa₂O₄ **(c) ZnO-ZnGaON-1** **(d) ZnO-ZnGaON-2** **(e) ZnO-ZnGaON-3** **(f) ZnO-ZnGaON-4**

Temperature of the ZnO
nanowire substrate (°C)

900

780

800

850

900

Ammonia flow rate
(sccm)

30

30

30

30

Ammonia annealing time
(min.)

20

20

20

20

