

Fig. 1. XRD results of VZnO nanorods grown by 0-6 V% growth solution.

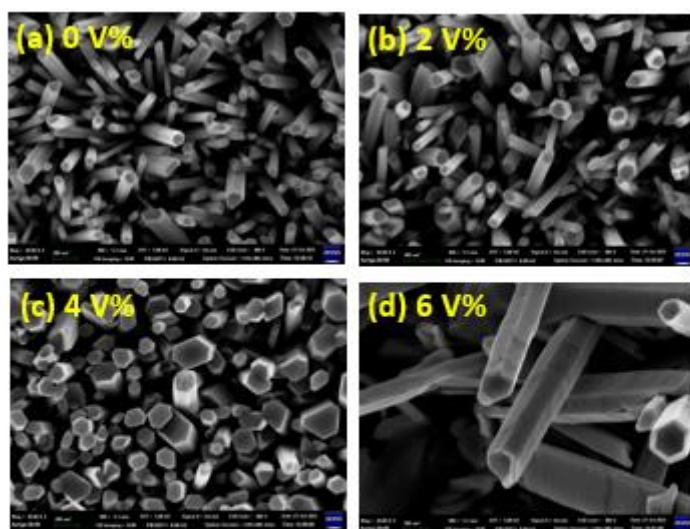


Fig. 2. SEM top-view images of VZnO nanorods grown by (a) 0 v% , (b) 2 v% , (c) 4 v% , (d) 6 v% growth solution.

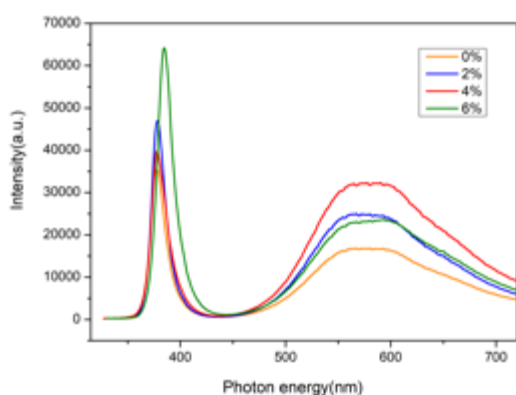


Fig. 3. Photoluminescence spectrum of VZnO nanorods grown by 0-6 V% growth solution.

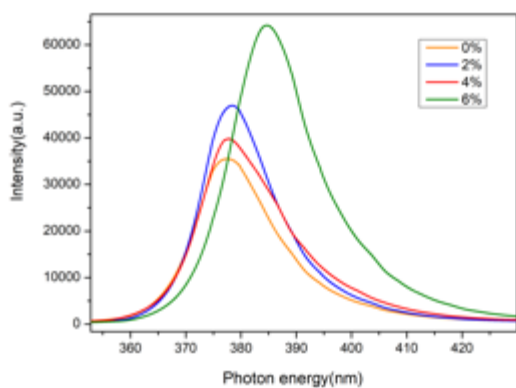


Fig. 4. The UV emission part of the PL spectrum.

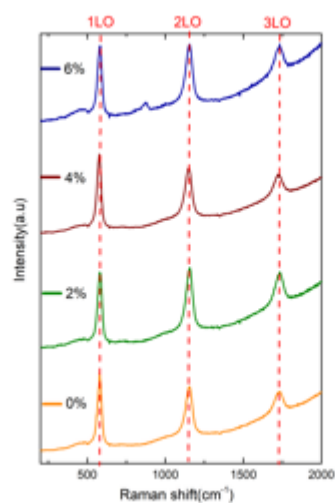


Fig. 5. Resonance Raman spectrum of of VZnO nanorods grown by 0-6 V% growth solution.

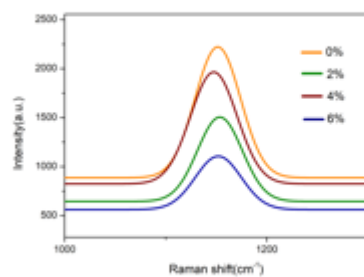


Fig. 6. The 2LO peak of the PL spectrum.