

Supporting Information

Microwave Assisted Synthesis of ZnIn₂S₄ Nanoparticles: Effect of Power Variation for Photo Response and Optoelectronic Applications

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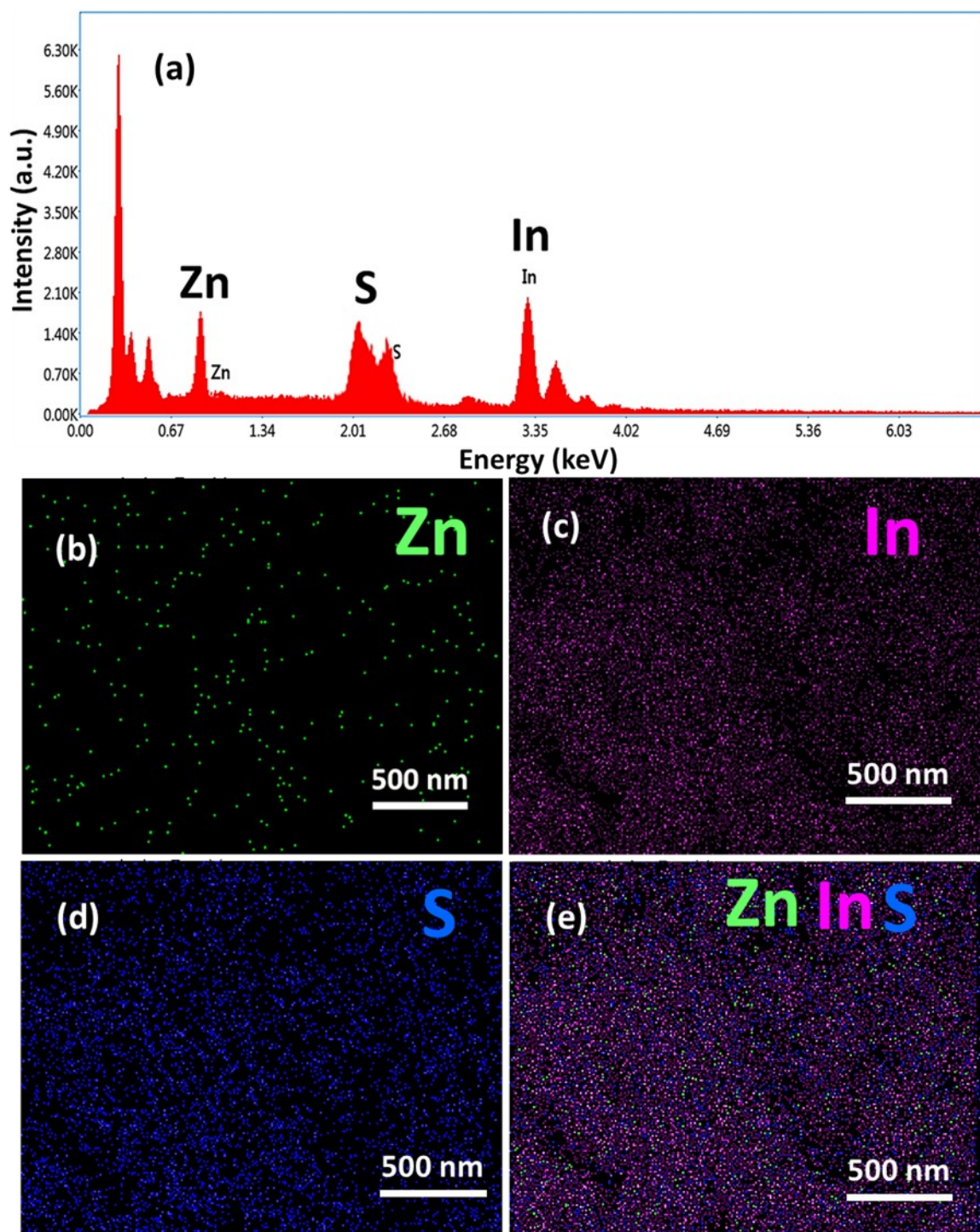


Fig. S1. (a) EDX spectrum, (b-e) corresponding individual elemental mapping of Zn, In, and S of repeated ZIS- 540 W nanoparticles.

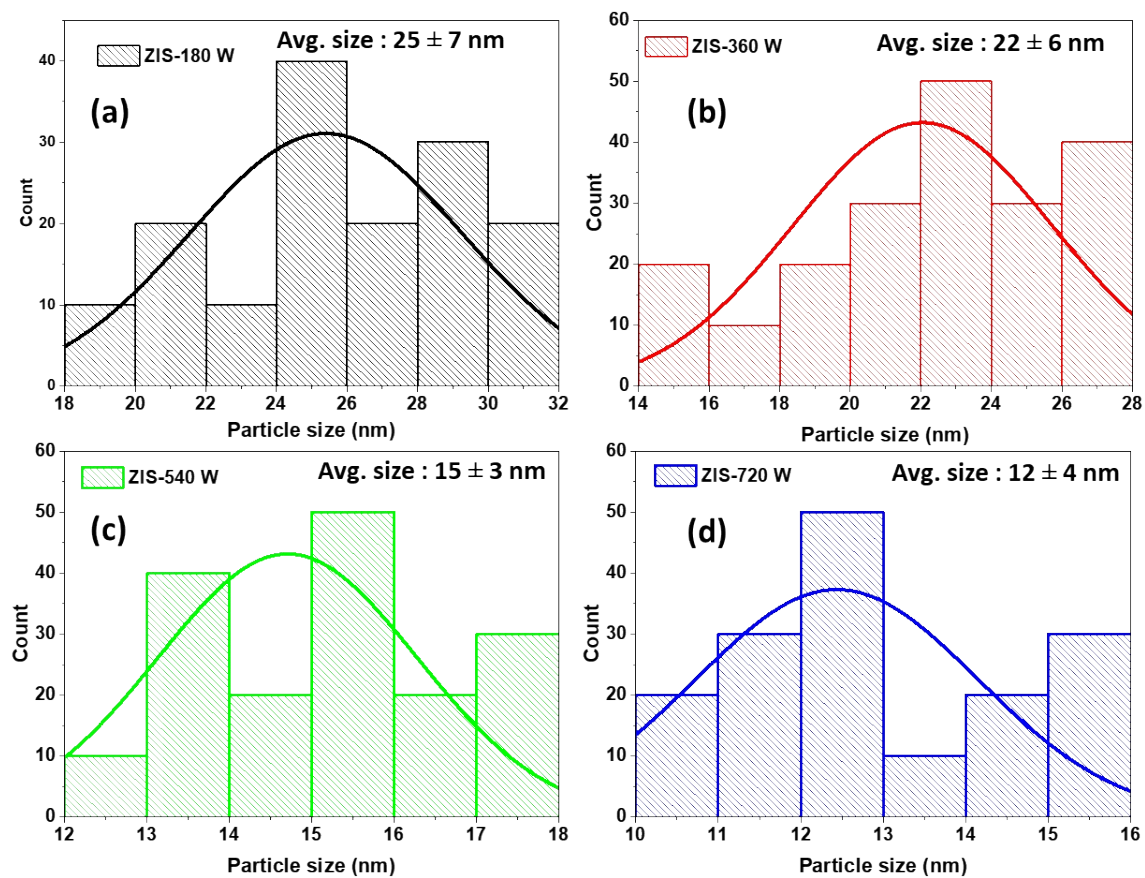


Fig. S2. Particle size histogram of (a) ZIS-180 W, (b) ZIS-360 W, (c) ZIS-540 W, and (d) ZIS-720 W samples.

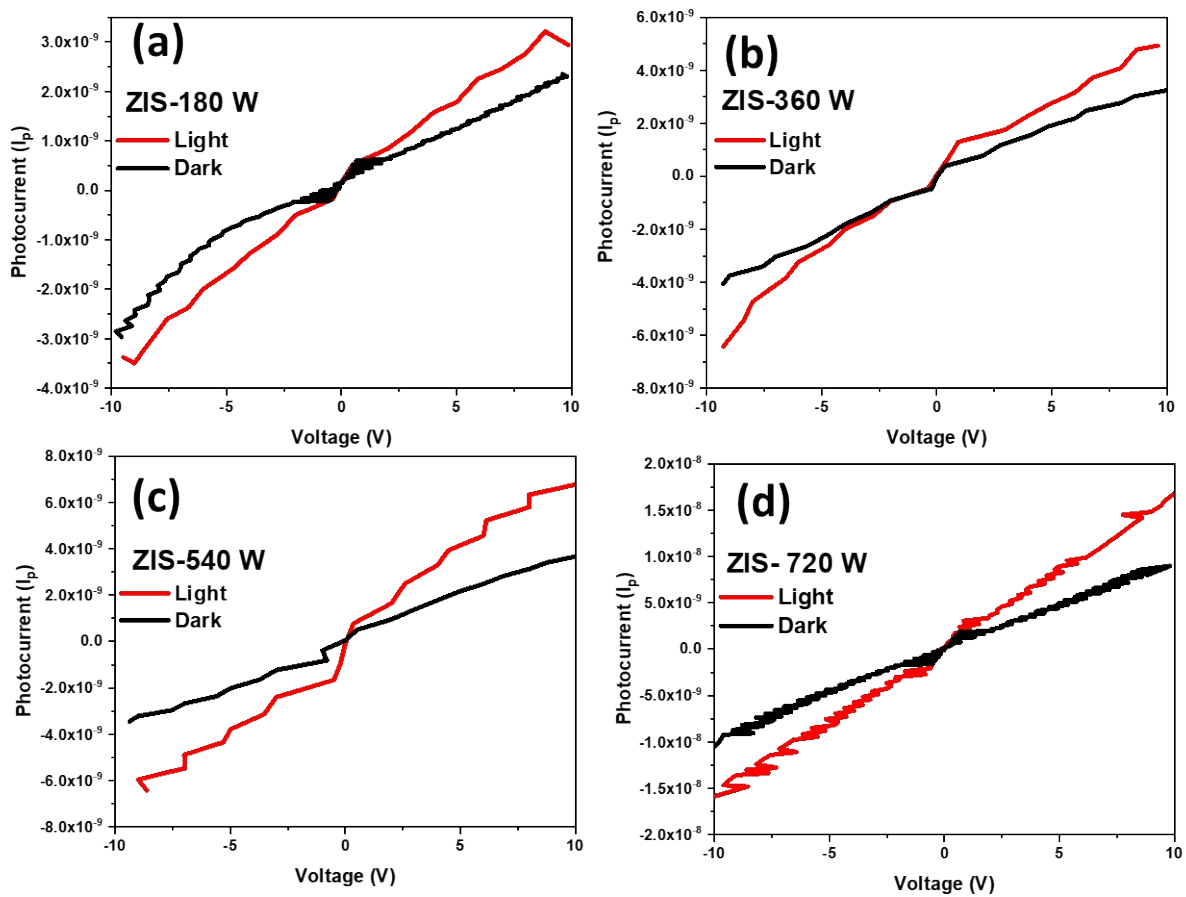


Fig. S3. Variation of individual photocurrent of (a) ZIS-180 W, (b) ZIS-360 W, (c) ZIS-540 W, and (d) ZIS-720 W, samples under light and dark conditions.

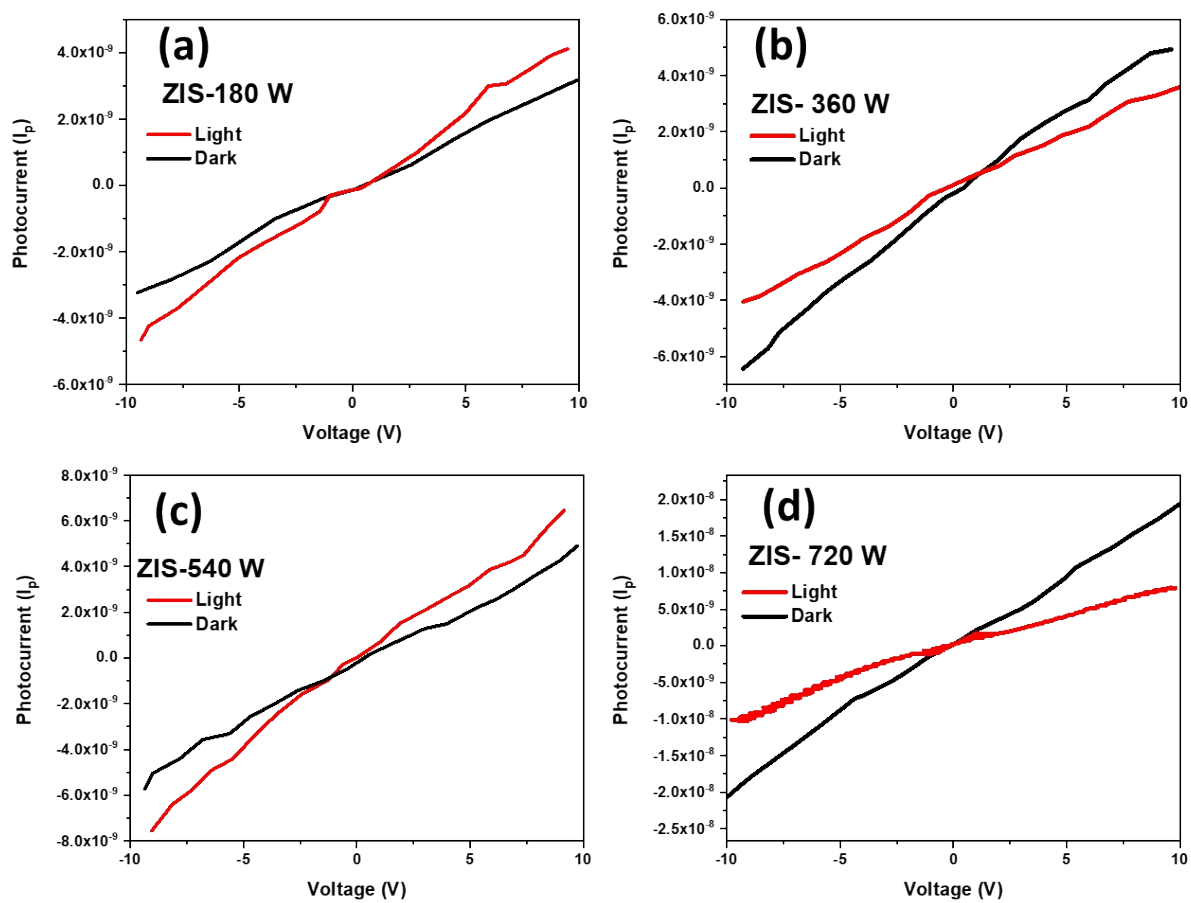


Fig. S4. Variation of individual photocurrent of (a) ZIS-180W, (b) ZIS-360W, (c) ZIS-540W, and (d) ZIS-720W repeated samples after 4 hrs annealing under light and dark conditions.

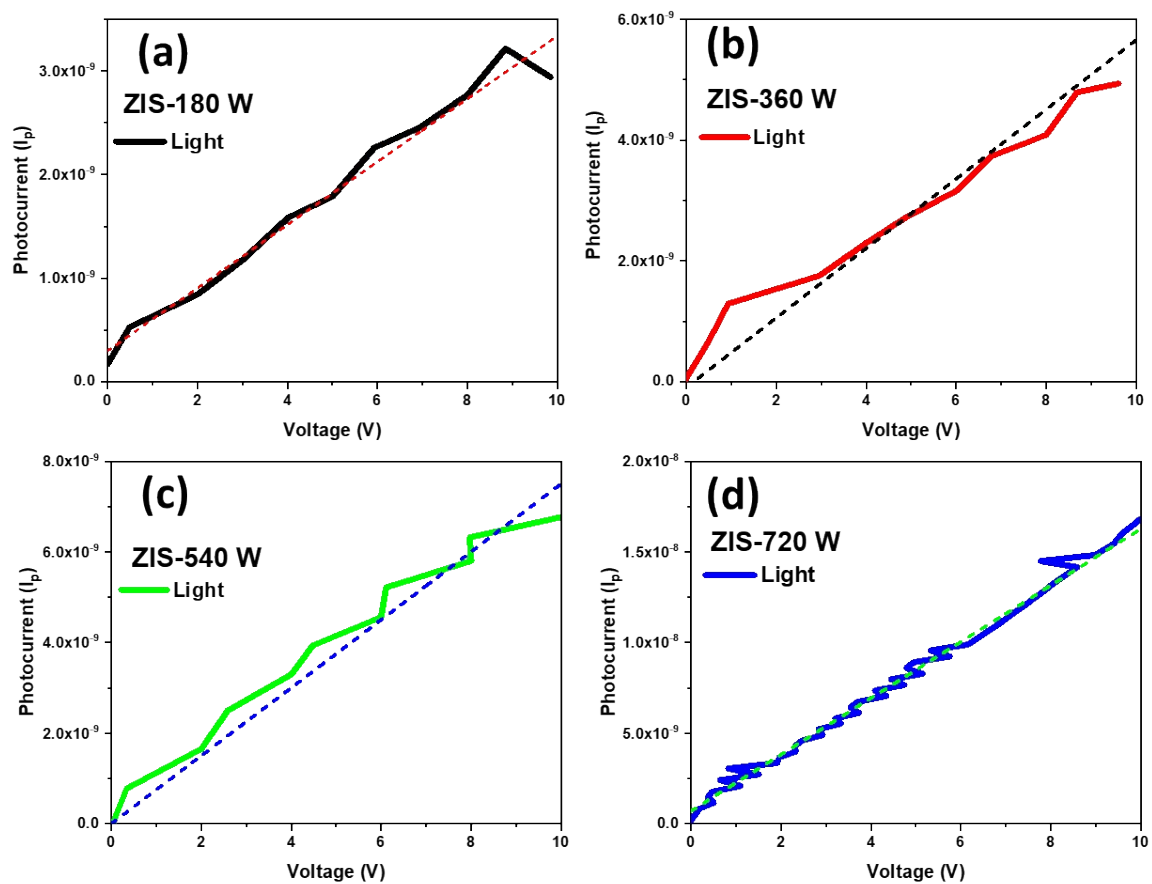


Fig. S5. Evaluation of resistance of (a) ZIS-180W, (b) ZIS-360W, (c) ZIS-540W, and (d) ZIS-720W, samples in the light condition.

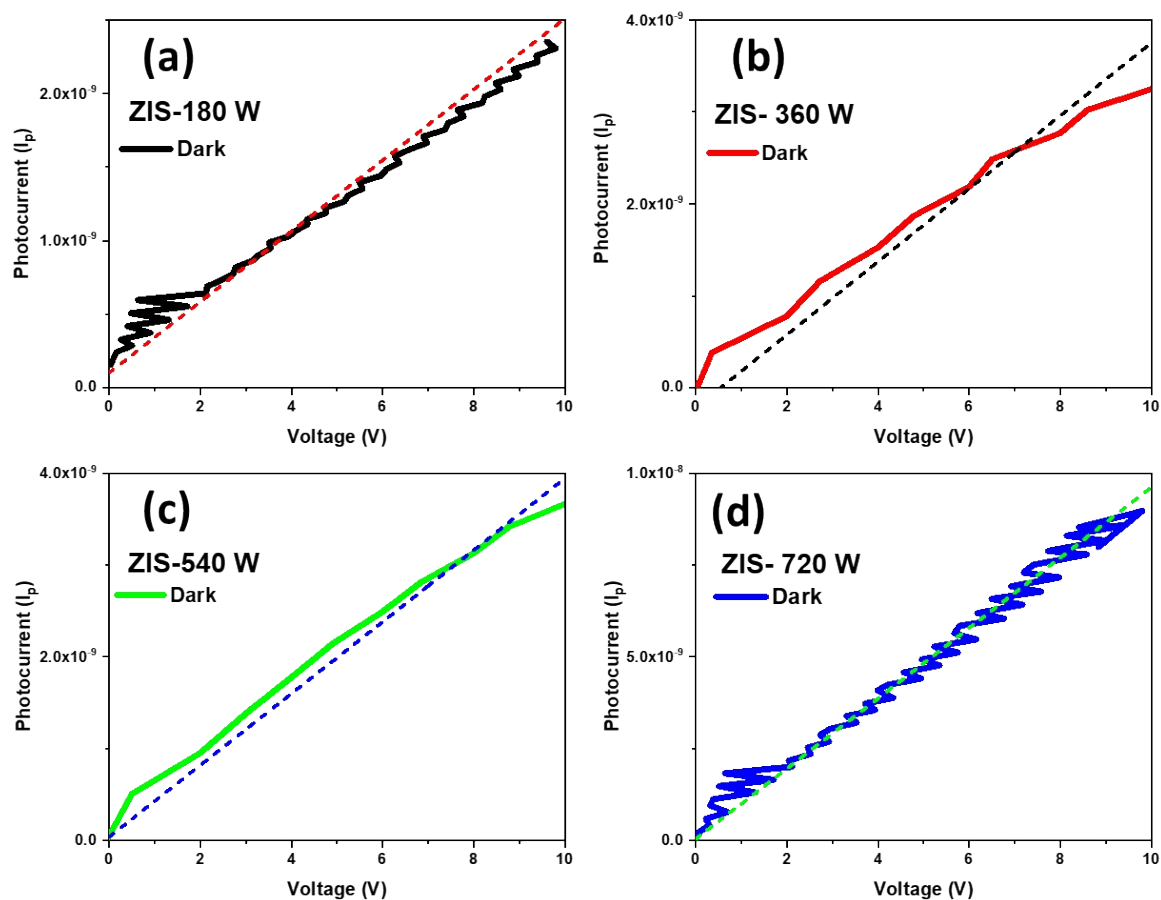


Fig. S6. Evaluation of resistance of (a) ZIS-180 W, (b) ZIS-360 W, (c) ZIS-540 W, and (d) ZIS-720 W, samples in the dark condition.