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AUTHOR'S RELEVANT PUBLICATIONS

Journals:

1. **Deep Chandra Upadhyay** and Satyabrata Jit, "High Responsivity ZnO Nanorods/ PTB7 Polymer Heterojunction Based UV - Visible Photodetector," in *IEEE Photonics Technology Letters*, doi: 10.1109/LPT.2021.3112685. (IF: **2.451**)

2. **Deep Chandra Upadhyay**, Rishibrind Kumar Upadhyay and Satyabrata Jit, "PCDTBT: PCBM: CdSe Tetrapod Shaped Nanocrystals Hybrid Nanocomposites based UV-Visible Photodetectors," in *IEEE Photonics Technology Letters*, doi: 10.1109/LPT.2021.3088219. (IF: **2.451**)

3. **Deep Chandra Upadhyay**, Rishibrind Kumar Upadhyay, Abhinav Pratap Singh and Satyabrata Jit, "High-Performance Inverted Structure Broadband Photodetector Based on ZnO Nanorods/PCDTBT:PCBM:PbS QDs," in *IEEE Transactions on Electron Devices*, vol. 67, no. 11, pp. 4970-4976, Nov. 2020, doi: 10.1109/TED.2020.3026984. (IF: **2.913**)

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1. **Deep Chandra Upadhyay**, Rishibrind Kumar Upadhyay, Abhinav Pratap Singh and Satyabrata Jit "Low Band Gap Polymer: Fullerene based Photodetector with Spectral Response from 350 nm to 850 nm," 2021 **5th International Conference on Electronics, Materials Engineering & Nano-Technology (IEMENTech)**, 2021, pp. 1-4, doi: 10.1109/IEMENTech53263.2021.9614849.

2. **Deep Chandra Upadhyay**, Rishibrind Kumar Upadhyay, Abhinav Pratap Singh and Satyabrata Jit, " White Light Photosensitivity and Stable Photoresponse Properties of Tetrapod Shaped CdSe Nanocrystals: Polymer: Fullerene Blend " **3rd IEEE Conference on VLSI Device, Circuit and System 2022**, MSIT, Kolkata, India