

## *List of Publications*

1. **Sharma, Anand**, Nitesh K. Chourasia, Anumol Sugathan, Yogesh Kumar, Satyabrata Jit, Shun-Wei Liu, Anshu Pandey, Sajal Biring, and Bhola N. Pal. "Solution processed Li 5 AlO 4 dielectric for low voltage transistor fabrication and its application in metal oxide/quantum dot heterojunction phototransistors." **Journal of Materials Chemistry C** **6**, no. 4 (2018): 790-798.
2. **Sharma, Anand**, Nitesh K. Chourasia, Shun-Wei Liu, Sajal Biring, and Bhola N. Pal. " Ultra-low Voltage Metal Oxide Thin Film Transistor by Low-temperature Annealed Solution-processed Ion-conducting Gate Dielectric" **Electronic Materials Letters** (2019): 1-13.
3. **Sharma, Anand**, Nitesh K. Chourasia, Sajal Biring, and Bhola N. Pal. " Role of Electron Donation of TiO<sub>2</sub> Gate Interface for Developing Solution-processed High-performance One-volt Metal Oxide Thin Film Transistor Using Ion-conducting Gate Dielectric" **The Journal of Physical Chemistry C** 2019, **123**, **33**, 20278-20286.
4. Chourasia, Nitesh K., **Anand Sharma**, Vishwas Acharya, Nila Pal, Sajal Biring, and Bhola N. Pal. "Solution processed low band gap ion-conducting gate dielectric for low voltage metal oxide transistor." **Journal of Alloys and Compounds** **777** (2019): 1124-1132.
5. Nila Pal, **Anand Sharma**, Vishwas Acharya, Nitesh K. Chourasia, Sajal Biring, Bhola N. Pal. "Gate Interface Engineering for Subvolt Metal Oxide Transistor Fabrication by Using Ion-Conducting Dielectric with Mn<sub>2</sub>O<sub>3</sub> Gate Interface" **ACS Applied Electronics Materials** DOI:10.1021/acsaelm.9b00641.
6. Kenath, Gopal Sankar, Rekha Mahadevu, **Anand Sharma**, Vinod K. Gangwar, Sandip Chaterjee, Anshu Pandey, and Bhola N. Pal. "Shell Thickness-Dependent Tunable Threshold Voltage Single Quantum Dot Rectification Diode." **The Journal of Physical Chemistry C**, **122**, no. 5 (2018): 3176-3181.
7. Paliwal, Abhyuday, Satya Veer Singh, **Anand Sharma**, Anumol Sugathan, Shun-Wei Liu, Sajal Biring, and Bhola N. Pal. "Microwave-Polyol Synthesis of Sub-10-nm PbS Nanocrystals for Metal Oxide/Nanocrystal Heterojunction Photodetectors." **ACS Applied Nano Materials**, **1**, no. 11 (2018): 6063-6072.
8. Kumar, Yogesh, Hemant Kumar, Gopal Rawat, Chandan Kumar, **Anand Sharma**, Bhola N. Pal, and Satyabrata Jit. "Colloidal ZnO quantum dots based spectrum selective ultraviolet photodetectors." **IEEE Photonics Technology Letters**, **29**, no. 4 (2017): 361-364.