

Publications list

Journals

- **Shend्रे, Sushant**, Vijay Kumar Sharma, Cuong Dang, and Hilmi Volkan Demir. "Exciton dynamics in colloidal quantum-dot LEDs under active device operations." ***ACS Photonics*** (2017).
- Bose, Sumanta, **Sushant Shend्रे**, Zhigang Song, Vijay Kumar Sharma, Dao Hua Zhang, Cuong Dang, Weijun Fan, and Hilmi Volkan Demir. "Temperature-dependent optoelectronic properties of quasi-2D colloidal cadmium selenide nanoplatelets." ***Nanoscale*** 9, no. 19 (2017): 6595-6605.
- Perumal, Ajay, **Sushant Shend्रे**, Mingjie Li, Yong Kang Eugene Tay, Vijay Kumar Sharma, Shi Chen, Zhanhua Wei et al. "High brightness formamidinium lead bromide perovskite nanocrystal light emitting devices." ***Scientific reports*** 6 (2016): 36733.
- Wei, Zhanhua, Ajay Perumal, Rui Su, **Shend्रे Sushant**, Jun Xing, Qing Zhang, Swee Tiam Tan, Hilmi Volkan Demir, and Qihua Xiong. "Solution-processed highly bright and durable cesium lead halide perovskite light-emitting diodes." ***Nanoscale*** 8, no. 42 (2016): 18021-18026.

Conferences

- **Shend्रे, Sushant**, Cuong Dang, and Hilmi Volkan Demir. "Unraveling exciton kinetics of electroluminescence in colloidal quantum dot LEDs." ***Lasers and Electro-Optics (CLEO), 2016***