## **Publication List:**

Towhid H. Chowdhury

2021 May

- "Chemical passivation of the under coordinated Pb<sup>2+</sup> defects in the inverted perovskite solar cells via β-diketone Lewis base additives", M. Abdel-Shakour, <u>Towhid H. Chowdhury</u>, Kiyoto Matsuishi, Yutaka Moritomo, Ashraful Islam, **Photochemical & Photobiological** Sciences, vol. 20 (3), pp. 357-367, February 2021
- 2) "Study of open circuit voltage loss mechanism in perovskite solar cells", Yulu He, Imane Abdellaoui, M. Abdel-Shakour, <u>Towhid H Chowdhury</u>, Muhammad Akmal Kamarudin, Ana Flavia Nogueira, Qing Shen, Shuzi Hayase, Ashraful Islam and Takeaki Sakurai, Japanese Journal of Applied Physics, vol.60, SBBF13, February 2021
- "Influence of Inorganic NiO<sub>x</sub> Hole Transport Layer on the Growth of CsBi3I10 Perovskite Films for Photovoltaic Applications", Pandiyarajan Mariyappan, <u>Towhid H. Chowdhury</u>, Shanthi Subashchandran , Ashraful Islam, Advanced Materials and Interfaces, 202002083, February 2021
- "High-Efficiency Tin Halide Perovskite Solar Cells: The Chemistry of Tin (II) Compounds and Their Interaction with Lewis Base Additives during Perovskite Film Formation", M. Abdel-Shakour, <u>Towhid H. Chowdhury</u>, Kiyoto Matsuishi, Ashraful Islam. Solar RRL, vol. 5, pp. 2000606, January 2021
- 5) "Facile and low-cost synthesis of a novel dopant-free hole transporting material that rivals Spiro-OMeTAD for high efficiency perovskite solar cells", Islam M. Abdellah, <u>Towhid H. Chowdhury</u>, Jae-Joon Lee, Ashraful Islam, Mohamad Khaja Nazeeruddin, Michael Gräetzel, and Ahmed El-Shafei, **Sustainable Energy & Fuels**, vol. 5, pp. 199-211, January 2021
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- 10) "Cross-Conjugated BODIPY Pigment for Highly Efficient Dye Sensitized Solar Cells", Md Faiz Shah, Antoine Mirloup, <u>Towhid H Chowdhury</u>, Alexandra Sutter, Abdulkader S Hanbazazah, Anas Ahmed, Jae-Joon Lee, M Abdel-Shakour, Nicolas Leclerc, Ryuji Kaneko, Ashraful Islam, **Sustainable Energy & Fuels**, vol. 4, pp. 1908-1914, January 2020
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