

## List of references

Adeh, E.H., Good, S.P., Calaf, M. & Higgins, C.W. 2019, Solar PV Power Potential is Greatest Over Croplands. *Scientific Reports*, 9, 11442

dos Reis Benatto, G.A., Corazza, M., Roth, B., Schütte, F., Rengenstein, M., Gevorgyan, S.A., & Krebs, F.C. 2017. Inside or Outside? Linking Outdoor and Indoor Lifetime Tests of ITO-Free Organic Photovoltaic Devices for Greenhouse Applications. *Energy Technology*, 5(2), 338-344.

Emmott, C.J., Röhr, J. A., Campoy-Quiles, M., Kirchartz, T., Urbina, A., Ekins-Daukes, N.J., & Nelson, J. 2015. Organic photovoltaic greenhouses: a unique application for semi-transparent PV? *Energy & Environmental Science*, 8(4), 1317-1328.

Emmott, C.J., Moia, D., Sandwell, P., Ekins-Daukes, N., Hösel, M., Lukoschek, L., Amarasinghe, C., Krebs, F.C., & Nelson, J. 2016. In-situ, long-term operational stability of organic photovoltaics for off-grid applications in Africa. *Solar Energy Materials and Solar Cells*, 149, 284-293.

Friman-Peretz, M., Geoola, F., Yehia, I., Ozer, S., Levi, A., Magadley, E., Brikman, R., Rosenfeld, L., Levy, A., Kacira, M. & Teitel, M. 2019. Testing organic photovoltaic modules for application as greenhouse cover or shading element. *Biosystems Engineering*, 184, 24-36.

Gielen, D., Boshella, F., Sayginb, D., Bazilianc, M.D., Wagnera, N. & Gorinia, R. 2019. The role of renewable energy in the global energy transformation, *Energy Strategy Reviews*, 24, 38-50.

Gruda, N. & Tanny, J. 2015. Protected crops - recent advances, innovative technologies and future challenges. *Acta Horticulturae*, 1107, 271-278.

IRENA. 2019. Future of Solar Photovoltaic: Deployment, investment, technology, grid integration and socio-economic aspects (A Global Energy Transformation paper). International Renewable Energy Agency

Kim, J.J., Kang, M., Kwak, O. K., Yoon, Y. J., Min, K.S., & Chu, M.J. 2014. Fabrication and characterization of dye-sensitized solar cells for greenhouse application. *International Journal of Photoenergy*, Vol. 2014, Article ID 376315.

Magadley, E., Teitel, M., Friman-Peretz, M., Kacira, M. & Yehia, I. 2020. Outdoor behaviour of organic photovoltaics on a greenhouse roof. *Sustainable Energy Technologies and Assessments*, 37, 100641.

Marucci, A., Gusman, A., Pagniello, B., & Cappuccini, A. 2013. Limits and prospects of photovoltaic covers in Mediterranean greenhouses. *Journal of Agricultural Engineering*, 44(1), e1.

Yang, F., Zhang, Y., Hao, Y., Cui, Y., Wang, W., Ji, T., Shi, F., and Wei, B. 2015. Visibly transparent organic photovoltaic with improved transparency and absorption based on tandem photonic crystal for greenhouse application. *Applied Optics*, 54(34), 10232-10239.

Yano, A., and Cossu, M. 2019. Energy sustainable greenhouse crop cultivation using photovoltaic technologies. *Renewable and Sustainable Energy Reviews*, 109, 116-137.

Yano, A., Onoe, M., Nakata, J. 2014. Prototype semi-transparent photovoltaic modules for greenhouse roof applications. *Biosystems Engineering*, 122, 62–73.

Yano, A., Furue, A., Kadowaki, M., Tanaka, T., Hiraki, E., Miyamoto, M., Ishizu, F., and Noda, S. 2009. Electrical energy generated by photovoltaic modules mounted inside the roof of a north–south oriented greenhouse. *Biosystems Engineering*, 103(2), 228-238.

Zhang, Y., Samuel, I.D., Wang, T., and Lidzey, D.G. 2018. Current status of outdoor lifetime testing of organic photovoltaics. *Advanced Science*, 5(8), 1800434.