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Editorial Office

Journal of Solar Energy Materials and Solar Cells Special Issue: Life cycle, environmental, ecology and impact analysis of solar technology

Dear Dr Espinosa and Prof. Krebs,

We hereby submit our manuscript entitled *Life Cycle Assessment of Dynamic Build*ing *Integrated Photovoltaics*. Our manuscript assesses the field of dynamic building integrated photovoltaic (BIPV) systems, which is gaining interest due to the increasing efficiencies of light weight thin film PV technologies.

We find that the environmental performance of a dynamic BIPV system is only beneficial if built over glazed building surfaces so that building can gain from both adaptive shading, and additional PV production through solar tracking. A system built over an opaque facade which only benefits from solar tracking is inferior to simple static BIPV solutions. We also present design considerations for the design of dynamic BIPV systems. Because our findings can be applied in practice right away, they are likely to be of great interest to the vision of researchers, engineers and architects who read your journal.

This manuscript describes original work and is not under consideration by any other journal. All authors approved the manuscript and this submission

Thank you for receiving our manuscript and considering it for review. We appreciate your time and look forward to your response

Yours sincerely,

Prageeth Jayathissa