Designing novel organic/inorganic hybrid architectures for efficient energy conversion

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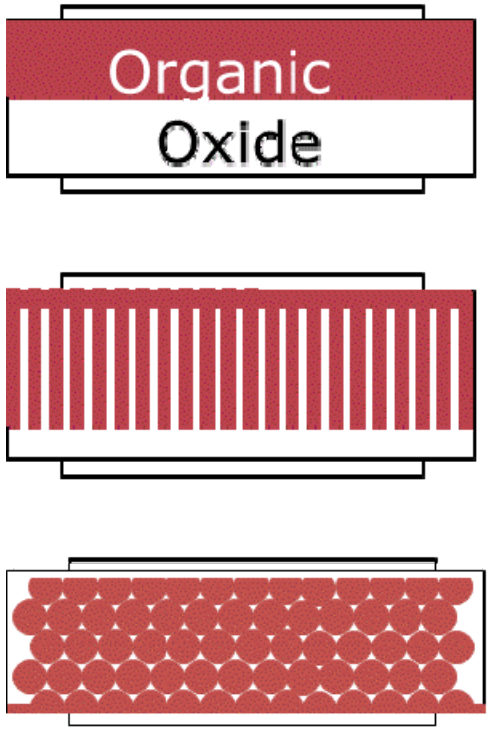

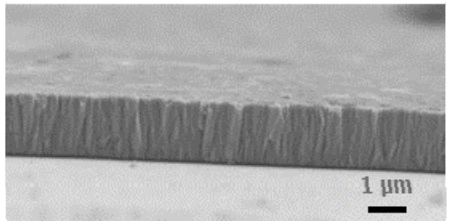

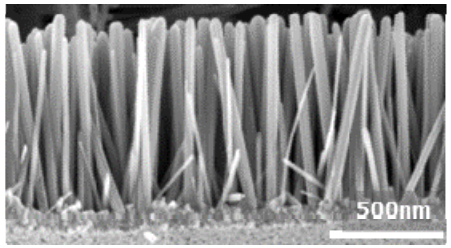

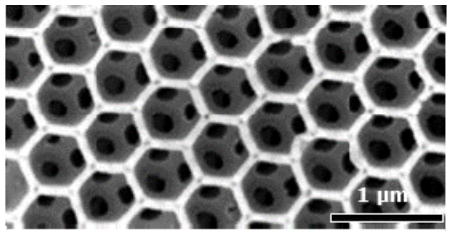

A new collaboration with experts in ZnO growth, that has been established through the ACS PRF grant, has been used to expand the activities of Dr. Natalie Stingelin to activities in the field of organic/ inorganic photovoltaics, with focus on polymer-based hybrid systems. In the first part of the project, we have:

- Investigated controlled growth of well-defined ZnO structures
- Explored filling of those architectures with the polymer using solution-, melt- and solid-state processing methods.

Melt-processing has been identified to provide complete filling.