

Energy performance of ETICS integrated with a flexible photovoltaic panel

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European roadmap for the En-ActivETICS advancement and potential of the PV/PCM unventilated wall system application

Heim, Dariusz; **Talvik, Martin**; Wieprzkowicz, Anna; **Ilomets, Simo**; Knera, Dominika; **Kalamees, Targo**; Czarny, Dariusz Energy and buildings 2023 / art. 113207 <https://doi.org/10.1016/j.enbuild.2023.113207> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

GeTe2 phase change material for terahertz devices with reconfigurable functionalities using optical activation

Konnikova, Maria R.; Khomenko, Maxim D.; Tverjanovich, Andrey S.; **Bereznev, Sergei**; Mankova, Anna A.; Parashchuk, Olga D.; Vasilevsky, Ivan S.; Ozheredov, Ilya A.; Shkurinov, Alexander P.; Bychkov, Eugene A. ACS applied materials & interfaces 2023 / p. 9638-9648 <https://doi.org/10.1021/acsami.2c21678> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Improved thermal and power management of modified solar PV system integrated with phase change material through transient charging and discharging cycles

Ali, Mohsin; Ali, Muzaffar; Shah, Najam Ul Hassan; Li, Guiqiang; **Ferrantelli, Andrea** Engineering Proceedings 2025 / art. 31 <https://doi.org/10.3390/engproc2025111031>

Measured hygrothermal performance of energy activated facade in cold climate

Talvik, Martin; **Kalamees, Targo**; **Ilomets, Simo** Journal of building physics 2025 / p. 1-27 <https://doi.org/10.1177/174425912413124>

Wax actuator's empirical model development and application to underfloor heating control with varying complexity of controller modelling detail

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