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A combination of active and passive solar energy systems and night-time electricity are used to supply the heating and cooling demands. The main goal of this paper is to provide detailed design information and an evaluation of performance.

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The present paper proposes a novel zero-energy solar application system combining the thermal catalytic technology with Trombe wall (TC-Trombe wall), which could realize indoor air purification and space heating simultaneously fully driven by solar energy.

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Design and performance of energy-efficient solar residential house in Andorra (PDF) Design and performance of energy-efficient solar residential house in Andorra | Marc Medrano - ...

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Developing a Sustainable Solar-Residence Architecture Like a Home Unit without Energy Consumption from the Power Grid; Nearly Zero Energy Building (NZEB) - Materials, Design and New Approaches; 2022-06-08

