Reference

4. Innovative technical solutions category and lines of research

4.2. Passive Active and Smart Technologies

- Biyanto, Totok Ruki, Enrico Kevin Gonawan, Gunawan Nugroho, Ridho Hantoro, Hendra
 Cordova, and Katherin Indrawati. 2016. "Heat Exchanger Network Retrofit throughout
 Overall Heat Transfer Coefficient by Using Genetic Algorithm." *Applied Thermal Engineering* 94 (February). Elsevier Ltd:274–81.
- Capeluto, I Guedi, and Carlos E Ochoa. 2014. "Simulation-Based Method to Determine
 Climatic Energy Strategies of an Adaptable Building Retrofit Façade System." *Energy* 76 (November). Elsevier Ltd:375–84.
- Carlos, Jorge S. 2017. "Optimizing the Ventilated Double Window for Solar Collection." *Solar Energy* 150 (July). Elsevier Ltd:454–62.
- Cuce, Erdem. 2016. "Toward Multi-Functional PV Glazing Technologies in Low/Zero Carbon Buildings: Heat Insulation Solar Glass – Latest Developments and Future Prospects Prospects." *Renewable and Sustainable Energy Reviews* 60 (July). Elsevier Ltd:1286–1301.
- Eliopoulou, Eftychia, and Eleni Mantziou. 2017. "Architectural Energy Retrofit (AER): An Alternative Building's Deep Energy Retrofit Strategy." *Energy & Buildings* 150 (September). Elsevier B.V.:239–52.
- Evola, G, and G Margani. 2016. "Renovation of Apartment Blocks with BIPV: Energy and Economic Evaluation in Temperate Climate." *Energy & Buildings* 130 (October).
 Elsevier B.V.:794–810.
- Giovanardi, A, A Passera, F Zottele, and R Lollini. 2015. "Integrated Solar Thermal Façade System for Building Retrofit." *Solar Energy* 122:1100–1116. https://doi.org/10.1016/j.solener.2015.10.034.

Häkkinen, Tarja. 2012. "Systematic Method for the Sustainability Analysis of Refurbishment

Concepts of Exterior Walls." *Construction and Building Materials* 37 (December). Elsevier Ltd:783–90.

- Halawa, E. 2009. "Exploring Synergies with Innovative Green Technologies for Advanced Renovation Using a Bioclimatic Approach." *Architectural Science Review* 52 (3). Earthscan:229–36.
- Hengstberger, Florian, Christoph Zauner, Katharina Resch, Stefan Holper, and Michael Grobbauer. 2016. "High Temperature Phase Change Materials for the Overheating Protection of Facade Integrated Solar Thermal Collectors." *Energy & Buildings* 124 (July). Elsevier B.V.:1–6.
- Hestnes, Anne Grete, and Niels Ulrik Kofoed. 2002. "Effective Retrofitting Scenarios for Energy Efficiency and Comfort: Results of the Design and Evaluation Activities within the OFFICE Project." *Building and Environment* 37 (6):569–74. https://doi.org/10.1016/S0360-1323(02)00003-3.
- Monetti, Valentina, Enrico Fabrizio, and Marco Filippi. 2015. "Impact of Low Investment Strategies for Space Heating Control: Application of Thermostatic Radiators Valves to an Old Residential Building." *Energy & Buildings* 95 (May). Elsevier B.V.:202–10.
- Santamouris, M, and E Dascalaki. 2002. "Passive Retrofitting of Office Buildings to Improve Their Energy Performance and Indoor Environment: The OFFICE Project." *Building and Environment* 37 (6):575–78. https://doi.org/10.1016/S0360-1323(02)00004-5.
- Si, Jin, Ljiljana Marjanovic-Halburd, Fuzhan Nasiri, and Sarah Bell. 2016. "Assessment of Building-Integrated Green Technologies: A Review and Case Study on Applications of Multi-Criteria Decision Making (MCDM) Method." *Sustainable Cities and Society* 27 (November). Elsevier Ltd:106–15.
- Smith, Kevin Michael, and Svend Svendsen. 2015. "Development of a Plastic Rotary Heat Exchanger for Room-Based Ventilation in Existing Apartments." *Energy & Buildings* 107 (November). Elsevier B.V.:1–10.