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Special Issue Reprint

Building Resilient Cities

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This Special Issue fosters discussion on cutting-edge progress and unresolved challenges in climate-resilient buildings and cities to develop low-carbon, healthy built environments coping with climate extremes. It presents recent research on climate-adaptive construction materials, smart thermal technologies, multi-scale climate-responsive architectural and urban design, and urban microclimate regulation. The included papers cover material passive thermal optimization, building retrofits, blue-green urban infrastructure, and climate governance across diverse climatic zones, providing practical design methods and technical strategies for climate-resilient human settlements.

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