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Optimizing PCM-integrated walls for potential energy savings in U.S. Buildings

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#	Paper	IF	Citations
69	PCM Cement-Lime Mortars for Enhanced Energy Efficiency of Multilayered Building Enclosures under Different Climatic Conditions. <i>Materials</i> , 2020 , 13,	3.5	4
68	Enhancing building energy performance by effectively using phase change material and dynamic insulation in walls. <i>Applied Energy</i> , 2021 , 283, 116306	10.7	25
67	Application of PCMs to Improve Energy Efficiency in Residential Buildings. <i>Lecture Notes in Civil Engineering</i> , 2021 , 1-12	0.3	
66	Intelligent Controllers and Optimization Algorithms for Building Energy Management Towards Achieving Sustainable Development: Challenges and Prospects. <i>IEEE Access</i> , 2021 , 9, 41577-41602	3.5	10
65	Incorporation of phase change materials into building envelope for thermal comfort and energy saving: A comprehensive analysis. <i>Journal of Building Engineering</i> , 2021 , 36, 102122	5.2	42
64	A review of solar-driven short-term low temperature heat storage systems. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 141, 110824	16.2	8
63	Introducing two scenarios to reduce building energy usage: PCM installation and integrating nanofluid solar collectors with DHW system. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021 , 128, 327-327	5.3	7
62	The Effect of a Segmented Wall Filled With Phase Change Material on Heat Transfer and Airflow in a Closed Cavity. <i>Journal of Heat Transfer</i> , 2021 , 143,	1.8	0
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59	Energy-saving of building envelope using passive PCM technique: A case study of Kuwait City climate conditions. <i>Sustainable Energy Technologies and Assessments</i> , 2021 , 46, 101254	4.7	5
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54	Influence of wall thermal performance on the contribution efficiency of the Phase-Change Material (PCM) layer. <i>Case Studies in Thermal Engineering</i> , 2021 , 28, 101398	5.6	5
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