CITATION REPORT List of articles citing

Thermal testing and numerical simulation of a prototype cell using light wallboards coupling vacuum isolation panels and phase change material

DOI: 10.1016/j.enbuild.2005.11.002 Energy and Buildings, 2006, 38, 673-681.

Source: https://exaly.com/paper-pdf/40489479/citation-report.pdf

Version: 2024-04-10

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
193	VIP and their applications in buildings: a review. 2007 , 160, 145-153		17
192	An innovation wall model based on interlayer ventilation. 2008 , 49, 1271-1282		10
191	Phase Change Material Sandwich Panels for Managing Solar Gain in Buildings. 2009 , 131,		33
190	Dynamic characteristics and energy performance of buildings using phase change materials: A review. 2009 , 50, 3169-3181		234
189	Experimental assessment of a phase change material for wall building use. <i>Applied Energy</i> , 2009 , 86, 20)3& c2∫ 94	1 6 287
188	Experimental investigation of wallboard containing phase change material: Data for validation of numerical modeling. <i>Energy and Buildings</i> , 2009 , 41, 561-570	7	166
187	Analytical optimization of interior PCM for energy storage in a lightweight passive solar room. <i>Applied Energy</i> , 2009 , 86, 2013-2018	10.7	100
186	Thermal performance of a mobile home with light envelope. 2010 , 3, 331-338		9
185	Solar micro-energy harvesting based on thermoelectric and latent heat effects. Part I: Theoretical analysis. 2010 , 163, 277-283		66
184	Novel concept of composite phase change material wall system for year-round thermal energy savings. <i>Energy and Buildings</i> , 2010 , 42, 1759-1772	7	142
183	Development and validation of a new TRNSYS type for the simulation of external building walls containing PCM. <i>Energy and Buildings</i> , 2010 , 42, 1004-1009	7	104
182	Comparison between design and actual energy performance of a HVAC-ground coupled heat pump system in cooling and heating operation. <i>Energy and Buildings</i> , 2010 , 42, 1394-1401	7	44
181	Influence of phase change materials on temperature rise caused by hydration heat evolution of cement-based materials. 2010 , 62, 789-794		7
180	Development of phase change materials based microencapsulated technology for buildings: A review. 2011 , 15, 1373-1391		528
179	Impact of shape of container on natural convection and melting inside enclosures used for passive cooling of electronic devices. <i>Applied Thermal Engineering</i> , 2011 , 31, 3022-3035	5.8	62
178	Thermal testing and numerical simulation of gypsum wallboards incorporated with different PCMs content. <i>Applied Energy</i> , 2011 , 88, 930-937	10.7	100
177	Tests of prototype PCM âBailsâlfor office cooling. <i>Applied Thermal Engineering</i> , 2011 , 31, 717-726	5.8	25

(2013-2011)

176	Realization, test and modelling of honeycomb wallboards containing a Phase Change Material. <i>Energy and Buildings</i> , 2011 , 43, 232-238	7	87
175	Experimental and modelling study of twin cells with latent heat storage walls. <i>Energy and Buildings</i> , 2011 , 43, 2456-2461	7	70
174	Effective thermal conductivity of a staggered double layer of vacuum insulation panels. <i>Energy and Buildings</i> , 2011 , 43, 1241-1246	7	31
173	Modelling of a thermal insulation system based on the coldest temperature conditions by using artificial neural networks to determine performance of building for wall types in Turkey. 2011 , 34, 362-	373	8
172	A review on phase change materials integrated in building walls. 2011 , 15, 379-391		669
171	Thermal enhancement of plastering mortars with Phase Change Materials: Experimental and numerical approach. <i>Energy and Buildings</i> , 2012 , 49, 16-27	7	102
170	Dynamic thermal performance analysis of fiber insulations containing bio-based phase change materials (PCMs). <i>Energy and Buildings</i> , 2012 , 52, 122-131	7	92
169	Review on thermal energy storage with phase change materials (PCMs) in building applications. <i>Applied Energy</i> , 2012 , 92, 593-605	10.7	1097
168	Use of microencapsulated PCM in buildings and the effect of adding awnings. <i>Energy and Buildings</i> , 2012 , 44, 88-93	7	77
167	Energy saving latent heat storage and environmental friendly humidity-controlled materials for indoor climate. 2012 , 16, 3136-3145		59
166	Sustainable thermal energy storage technologies for buildings: A review. 2012 , 16, 2394-2433		212
165	High thermal performance composite PCMs loading xGnP for application to building using radiant floor heating system. <i>Solar Energy Materials and Solar Cells</i> , 2012 , 101, 51-56	6.4	73
164	Modeling phase change materials embedded in building enclosure: A review. 2013 , 21, 659-673		191
163	Short-term storage systems of thermal energy for buildings: a review. 2013 , 7, 66-119		46
162	Gypsum based composite materials with micro-encapsulated PCM: Experimental correlations for thermal properties estimation on the basis of the composition. <i>Energy and Buildings</i> , 2013 , 57, 227-236	7	51
161	Application of PCM thermal energy storage system to reduce building energy consumption. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013 , 111, 279-288	4.1	117
160	Phase change material (PCM) storage for free cooling of buildingsâA review. 2013 , 18, 607-625		339
159	Experimental thermal characterization of a Mediterranean residential building with PCM gypsum board walls. <i>Building and Environment</i> , 2013 , 61, 93-103	6.5	97

158	Review of passive PCM latent heat thermal energy storage systems towards buildingsâlenergy efficiency. <i>Energy and Buildings</i> , 2013 , 59, 82-103	7	610
157	A methodology for investigating the effectiveness of PCM wallboards for summer thermal comfort in buildings. <i>Building and Environment</i> , 2013 , 59, 517-527	6.5	158
156	Numerical study of heat transfer from a wall incorporating a phase change material. 2013 , 44, 02001		
155	Mortars with Phase Change Materials - Part I: Physical and Mechanical Characterization. 2014 , 634, 22-	32	10
154	Influence of the Type of Phase Change Materials Microcapsules on the Properties of Lime-Gypsum Thermal Mortars. 2014 , 16, 433-441		19
153	Mortars with Phase Change Materials: Contribute to Sustainable Construction. 2014 , 634, 3-13		4
152	Review on the Modeling and Simulation of Thermal Energy Storage Systems. 2014 , 247-278		
151	Parametric analysis of influencing factors in Phase Change Material Wallboard (PCMW). <i>Applied Energy</i> , 2014 , 119, 33-42	10.7	76
150	Phase change materials integrated in building walls: A state of the art review. 2014 , 31, 870-906		389
149	Multi-dimensional optimization of the incorporation of PCM-drywalls in lightweight steel-framed residential buildings in different climates. <i>Energy and Buildings</i> , 2014 , 70, 411-421	7	98
148	Multipurpose characterization of glazing systems with silica aerogel: In-field experimental analysis of thermal-energy, lighting and acoustic performance. <i>Building and Environment</i> , 2014 , 81, 92-102	6.5	80
147	Latent Thermal Energy Storage. 2014 , 83-126		1
146	Estimation of the specific enthalpyâlemperature functions for plastering mortars containing hybrid mixes of phase change materials. 2014 , 5, 1		8
145	An experimental method for validating transient heat transfermathematical models used for phase change materials(PCMs) calculations. 2014 , 87, 541-558		16
144	Establishment and experimental verification of PCM room's TRNSYS heat transfer model based on latent heat utilization ratio. <i>Energy and Buildings</i> , 2014 , 84, 287-298	7	18
143	Energy saving potential of phase change materials in major Australian cities. <i>Energy and Buildings</i> , 2014 , 78, 192-201	7	110
142	PCM Storage. 2015 , 1-23		6
141	Argamassas com incorpora ß de Materiais de Mudan ß de Fase (PCM): Caracteriza ß fßica, mecßica e durabilidade. <i>Revista Materia</i> , 2015 , 20, 245-261	0.8	2

140	PCM-Enhanced Building Components. 2015 ,		34
139	Experimental Study on the Use of Microencapsulated Phase Change Material in Walls and Roofs for Energy Savings. 2015 , 141, 04014046		5
138	Parametric investigations of using a PCM curtain for energy efficient buildings. <i>Energy and Buildings</i> , 2015 , 94, 33-42		16
137	Energy Sustainability Through Green Energy. <i>Green Energy and Technology</i> , 2015 , o	.6	8
136	Mortars based in different binders with incorporation of phase-change materials: Physical and mechanical properties. 2015 , 19, 1216-1233		32
135	An Overview of Phase Change Materials for Building Applications. <i>Green Energy and Technology</i> , 2015, 189-213	.6	2
134	Thermal and Energy Modeling of PCM-Enhanced Building Envelopes. 2015, 167-234		2
133	Properties evaluation and applications of thermal energystorage materials in buildings. 2015 , 48, 500-522	2	43
132	Effect of temperature on mortars with incorporation of phase change materials. <i>Construction and Building Materials</i> , 2015 , 98, 89-101	·7	38
131	Phase change material wall optimization for heating using metamodeling. <i>Energy and Buildings</i> , 2015 , 106, 216-224		27
130	Sustainable Mortars with Incorporation of Microencapsulated Phase Change Materials. 2015 , 1129, 621-62	28	1
129	A reference device for evaluating the thermal behavior of installed multilayered wall containing a phase change material. 2015 , 106, 1409-1417		4
128	Thermal energy storage (TES) systems for cooling in residential buildings. 2015 , 549-572		5
127	Integrating phase change materials (PCMs) in thermal energy storage systems for buildings. 2015 , 325-35	3	8
126	. 2016,		5
125	Effects of phase change material roof layers on thermal performance of a residential building in Melbourne and Sydney. <i>Energy and Buildings</i> , 2016 , 121, 152-158		40
124	Impact of the enthalpy function on the simulation of a building with phase change material wall. Energy and Buildings, 2016 , 126, 220-229		17
123	Investigation on the properties of a new type of concrete blocks incorporated with PEG/SiO2 composite phase change material. <i>Building and Environment</i> , 2016 , 104, 172-177	.5	41

122	A review on the air-PCM-TES application for free cooling and heating in the buildings. 2016 , 61, 175-186	5	138
121	Energy saving potential of a novel phase change material wallboard in typical climate regions of China. <i>Energy and Buildings</i> , 2016 , 128, 360-369	7	29
120	Thermal performance and cost analysis of mortars made with PCM and different binders. <i>Construction and Building Materials</i> , 2016 , 122, 637-648	6.7	36
119	Investigation of PCM as retrofitting option to enhance occupant thermal comfort in a modern residential building. <i>Energy and Buildings</i> , 2016 , 133, 217-229	7	77
118	Influence of adding phase change materials on the physical and mechanical properties of cement mortars. <i>Construction and Building Materials</i> , 2016 , 127, 1-10	6.7	67
117	Mortars with Incorporation of Phase Change Materials for Thermal Rehabilitation. 2016 , 1-10		5
116	Chapter 5 A Role of Phase Change Materials in Building Applications. 2016 , 113-134		
115	Influence of PCMs in thermal insulation on thermal behaviour of building envelopes. 2016 , 745, 032138	3	1
114	Properties of cementitious mortar and concrete containing micro-encapsulated phase change materials. <i>Construction and Building Materials</i> , 2016 , 120, 408-417	6.7	91
113	Numerical investigation of PCM melting process in sleeve tube with internal fins. 2016 , 110, 428-435		80
112	The State of the Art for Technologies Used to Decrease Demand in Buildings: Thermal Energy Storage. 2016 , 319-348		1
111	Outdoor test cells for building envelope experimental characterisation âlʿA literature review. 2016 , 54, 606-625		42
110	Thermal energy storage for renewable heating and cooling systems. 2016 , 139-179		6
109	Experimental investigation of the fire resistance of multi-layer drywall systems incorporating Vacuum Insulation Panels and Phase Change Materials. 2016 , 81, 8-16		19
108	Phase change material's (PCM) impacts on the energy performance and thermal comfort of buildings in a mild climate. <i>Building and Environment</i> , 2016 , 99, 221-238	6.5	90
107	Thermal performance assessment of encapsulated PCM based thermal management system to reduce peak energy demand in buildings. <i>Energy and Buildings</i> , 2016 , 117, 44-52	7	60
106	Latent heat storage in building elements: A systematic review on properties and contextual performance factors. 2016 , 60, 852-866		50
105	Passive thermal control in residential buildings using phase change materials. 2016 , 55, 371-398		182

104	Literature review on the use of phase change materials in glazing and shading solutions. 2016 , 53, 515-	535	109
103	Development and verification of an EnergyPlus-based algorithm to predict heat transfer through building walls integrated with phase change materials. 2016 , 40, 77-95		15
102	Computational assessment of a full-scale Mediterranean building incorporating wallboards with phase change materials. 2017 , 26, 1429-1443		7
101	Heat transfer performance and melting dynamic of a phase change material subjected to thermocapillary effects. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 109, 501-510	4.9	28
100	Experimental study of a modified solar phase change material storage wall system. 2017 , 128, 224-231		35
99	Evaluating the passive and free cooling application methods of phase change materials in residential buildings: A comparative study. <i>Energy and Buildings</i> , 2017 , 148, 238-256	7	28
98	The impact of phase change materials assisted night purge ventilation on the indoor thermal conditions of office buildings in hot-arid climates. <i>Energy and Buildings</i> , 2017 , 150, 488-497	7	25
97	Modelling for performance prediction of highly insulated buildings with different types of thermal mass. <i>Applied Thermal Engineering</i> , 2017 , 122, 139-147	5.8	16
96	Passive cooling of buildings with phase change materials using whole-building energy simulation tools: A review. 2017 , 80, 1239-1255		128
95	A Comparative Study on the Effectiveness of Passive and Free Cooling Application Methods of Phase Change Materials for Energy Efficient Retrofitting in Residential Buildings. 2017 , 180, 993-1002		15
94	Phase Change Materials as Smart Nanomaterials for Thermal Energy Storage in Buildings. 2017 , 247-29	3	1
93	Facile preparation of porous plaster board containing phase change capsules using gel template. <i>Energy and Buildings</i> , 2017 , 156, 134-139	7	7
92	Experimental studies on the applications of PCMs and nano-PCMs in buildings: A critical review. <i>Energy and Buildings</i> , 2017 , 154, 96-112	7	162
91	Application of shape-stabilized phase-change material sheets as thermal energy storage to reduce heating load in Japanese climate. <i>Building and Environment</i> , 2017 , 125, 1-14	6.5	22
90	Experimental study on effect of microencapsulated phase change coating on indoor temperature response and energy consumption. <i>Advances in Mechanical Engineering</i> , 2017 , 9, 168781401770390	1.2	6
89	Experimental analysis of thermal performance in buildings with shape-stabilized phase change materials. <i>Energy and Buildings</i> , 2017 , 152, 524-533	7	34
88	Experimental investigation and EnergyPlus-based model prediction of thermal behavior of building containing phase change material. <i>Journal of Building Engineering</i> , 2017 , 12, 259-266	5.2	15
87	PCM thermal storage design in buildings: Experimental studies and applications to solaria in cold climates. <i>Applied Energy</i> , 2017 , 185, 95-106	10.7	107

86	Thermal behavior of a hybrid PCM/plaster: A numerical and experimental investigation. <i>Applied Thermal Engineering</i> , 2017 , 111, 49-59	5.8	61
85	Phase change materials for improving the building thermal inertia. <i>Energy Procedia</i> , 2017 , 139, 744-749	2.3	19
84	Comparative Research on Solar Phase Change Material Storage Wall Systems under Different Summer Working Conditions. <i>Energies</i> , 2017 , 10, 1878	3.1	2
83	Caracter¤ticas trmicas de materiais de mudana de fase adequados para edificaas brasileiras. Ambiente Construdo, 2017 , 17, 125-145	0.4	1
82	Comportamento tîmico de argamassas com incorpora l o de Materiais de Mudanlo de Fase (PCM) no clima portugulo. <i>Revista Materia</i> , 2017 , 22,	0.8	
81	Improving indoor thermal comfort by using phase change materials: A review. <i>International Journal of Energy Research</i> , 2018 , 42, 2084-2103	4.5	53
80	Lightweight composite timber fallde wall with improved thermal response. <i>Sustainable Cities and Society</i> , 2018 , 38, 325-332	10.1	19
79	Reabilitaß tfmica: Contributo das argamassas com incorporaß de material de mudanß de fase. <i>Revista Materia</i> , 2018 , 23,	0.8	
78	Attenuation of Temperature Fluctuations on an External Surface of the Wall by a Phase Change Material-Activated Layer. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 11	2.6	17
77	Integration of the PCM with intra-ventilation for improved thermal and inertial characteristics of the building envelope. <i>EPJ Applied Physics</i> , 2018 , 84, 30901	1.1	
76	Integration of passive PCM technologies for net-zero energy buildings. <i>Sustainable Cities and Society</i> , 2018 , 41, 286-295	10.1	131
75	An experimental and a numerical analysis of the dynamic behavior of PCM-27 included inside a vertical enclosure: Application in space heating purposes. <i>International Journal of Thermal Sciences</i> , 2018 , 133, 252-265	4.1	15
74	Nanoclay and polymer-based nanocomposites: Materials for energy efficiency. 2018 , 75-103		6
73	Dynamic of plumes and scaling during the melting of a Phase Change Material heated from below. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 126, 206-220	4.9	26
72	Passive Building Walls. 2018 , 1165-1201		
71	Parametric analysis of using PCM walls for heating loads reduction. <i>Energy and Buildings</i> , 2018 , 172, 328	3-336	50
70	Controlled active thermal storage in smart PCM walls for energy independent building applications. 2018 ,		2
69	A review on macro-encapsulated phase change material for building envelope applications. <i>Building and Environment</i> , 2018 , 144, 281-294	6.5	117

(2020-2018)

68	Novel wall panels containing CaCl2[6H2O-Mg(NO3)2[6H2O/expanded graphite composites with different phase change temperatures for building energy savings. <i>Energy and Buildings</i> , 2018 , 176, 407-4	4717	30
67	A parametric study of phase change material characteristics when coupled with thermal insulation for different Australian climatic zones. <i>Building and Environment</i> , 2019 , 163, 106317	6.5	18
66	Thermal Assessment of a Novel Drywall System Insulated with VIPs. <i>Energies</i> , 2019 , 12, 2373	3.1	5
65	Argamassas eco-eficientes com incorpora ß simultßea de material de mudanß de fase e cinzas volantes. <i>Revista Materia</i> , 2019 , 24,	0.8	
64	Thermal building control using active ventilated block integrating phase change material. <i>Energy and Buildings</i> , 2019 , 187, 50-63	7	29
63	Classifica ট de argamassas com incorpora ট de materiais de mudanā de fase com base nas suas propriedades fāicas, mecāicas e trmicas. <i>Revista Materia</i> , 2019 , 24,	0.8	
62	Passive cooling techniques for building and their applicability in different climatic zonesâ¶he state of art. <i>Energy and Buildings</i> , 2019 , 198, 467-490	7	88
61	Thermal and Structural Characterization of Geopolymer-Coated Polyurethane Foam-Phase Change Material Capsules/Geopolymer Concrete Composites. <i>Materials</i> , 2019 , 12,	3.5	5
60	Preparation and characterization of sodium sulfate pentahydrate/sodium pyrophosphate composite phase change energy storage materials. <i>Journal of Molecular Liquids</i> , 2019 , 280, 360-366	6	15
59	Thermal Performance of Hollow-Core Slab Ventilation System with Macro-Encapsulated Phase-Change Materials in Supply Air Duct. <i>Buildings</i> , 2019 , 9, 51	3.2	2
58	Thermal Behavior of a Building with Incorporated Phase Change Materials in the South and the North Wall. <i>Computation</i> , 2019 , 7, 2	2.2	8
57	Thermal testing and numerical simulation of PCM wall integrated inside a test cell on a small scale and subjected to the thermal stresses. <i>Renewable Energy</i> , 2019 , 135, 597-607	8.1	13
56	Transient thermal analysis of multilayer pipeline with phase change material. <i>Applied Thermal Engineering</i> , 2020 , 165, 114512	5.8	9
55	Behavior of cementitious mortars with direct incorporation of non-encapsulated phase change material after severe temperature exposure. <i>Construction and Building Materials</i> , 2020 , 230, 117011	6.7	16
54	Potential of microencapsulated PCM for energy savings in buildings: A critical review. <i>Sustainable Cities and Society</i> , 2020 , 53, 101884	10.1	40
53	Review on performance assessment of phase change materials in buildings for thermal management through passive approach. <i>Materials Today: Proceedings</i> , 2020 , 22, 419-431	1.4	10
52	Numerical simulation and thermal performance of hybrid brick walls embedding a phase change material for passive building applications. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 140, 965-97	7 4 .1	15
51	Phase change materials and energy efficiency of buildings: A review of knowledge. <i>Journal of Energy Storage</i> , 2020 , 27, 101083	7.8	94

50	Performance assessment of residential building envelopes enhanced with phase change materials. <i>Energy and Buildings</i> , 2020 , 208, 109664	7	22
49	Experimental study on phase transition behaviour of shape stable phase change material for application in vacuum insulation panel. <i>Journal of Energy Storage</i> , 2020 , 32, 101825	7.8	8
48	Impact of a Composite Trombe Wall Incorporating Phase Change Materials on the Thermal Behavior of an Individual House with Low Energy Consumption. <i>Energies</i> , 2020 , 13, 4872	3.1	10
47	Peak indoor air temperature reduction for buildings in hot-humid climate using phase change materials. <i>Case Studies in Thermal Engineering</i> , 2020 , 22, 100762	5.6	14
46	Experimental study of the thermal performance of a building wall with vacuum insulation panels and extruded polystyrene foams. <i>Applied Thermal Engineering</i> , 2020 , 180, 115801	5.8	8
45	Optimization of the Structural Parameters of the Vertical Trabeculae Beetle Elytron Plate Based on the Mechanical and Thermal Insulation Properties. <i>KSCE Journal of Civil Engineering</i> , 2020 , 24, 3765-377	4 ^{1.9}	4
44	Modeling PCM Phase Change Temperature and Hysteresis in Ventilation Cooling and Heating Applications. <i>Energies</i> , 2020 , 13, 6455	3.1	4
43	Improved latent heat storage properties through mesopore enrichment of a zeolitic shape stabilizer. <i>Solar Energy Materials and Solar Cells</i> , 2020 , 216, 110677	6.4	2
42	Experimental evaluation of structural insulated panels outfitted with phase change materials. <i>Applied Thermal Engineering</i> , 2020 , 178, 115454	5.8	6
41	Cooling performance of a thermal energy storage-based portable box for cold chain applications. Journal of Energy Storage, 2020 , 28, 101238	7.8	21
40	Characterization of innovative mortars with direct incorporation of phase change materials. <i>Journal of Energy Storage</i> , 2020 , 30, 101439	7.8	20
39	Review on optimization of phase change parameters in phase change material building envelopes. Journal of Building Engineering, 2021, 35, 101979	5.2	11
38	Validation of different numerical models with benchmark experiments for modelling microencapsulated-PCM-based applications for buildings. <i>International Journal of Thermal Sciences</i> , 2021 , 159, 106565	4.1	17
37	Coupled EnergyPlus and CFD analysis of PCM for thermal management of buildings. <i>Energy and Buildings</i> , 2021 , 231, 110598	7	27
36	State of the Art in PEG-Based Heat Transfer Fluids and Their Suspensions with Nanoparticles. <i>Nanomaterials</i> , 2021 , 11,	5.4	8
35	Thermal energy storage systems for cooling in residential buildings. 2021 , 595-623		
34	An Experimental Study on Electrical Conductivity of Several Oxide Nanoparticle Enhanced PEG 400 Fluid. <i>International Journal of Thermophysics</i> , 2021 , 42, 1	2.1	3
33	Judicious method of integrating phase change materials into a building envelope under Saharan climate. <i>International Journal of Energy Research</i> , 2021 , 45, 18048-18065	4.5	2

(2020-2021)

32	The heat capacity of low-temperature phase change materials (PCM) applied in thermal energy storage systems. <i>Renewable Energy</i> , 2021 , 172, 541-550	8.1	10
31	Potential Phase Change Materials in Building Wall Construction-A Review. <i>Materials</i> , 2021 , 14,	3.5	1
30	Thermal performance assessment of cold chain chamber with vacuum insulation panel envelope layer. <i>Cleaner Engineering and Technology</i> , 2021 , 4, 100157	2.7	2
29	Numerical study of the feasibility of coupling vacuum isolation panels with phase change material for enhanced energy-efficient buildings. <i>Energy and Buildings</i> , 2021 , 251, 111369	7	О
28	Integrating phase change materials in thermal energy storage systems for buildings. 2021 , 381-422		О
27	Encapsulation of Phase Change Materials. 2021 ,		
26	ISIL ENERJĪDEPOLAMA SBTEMLERĪ S I ORGANĪŠ FAZ DE TĪR EN MADDELERĪSI MEVCUT DURUMU ĪZERĪSIE B R ĪSICELEME. <i>Mī</i> Bendislik Bilimleri Ve Tasarīb Dergisi, 161-174	0.2	6
25	Ranking procedure based on mechanical, durability and thermal behavior of mortars with incorporation of phase change materials. <i>Materiales De Construccion</i> , 2015 , 65, e068	1.8	5
24	Evaluation of Thermal Effect of PCM Wallboards by Coupling Simplified Phase Change Model with Design Tool. <i>Journal of Building Construction and Planning Research</i> , 2014 , 02, 12-29	0.4	1
23	Passive Study of Energy Efficiency of a Building with PCM on the Roof during Summer in Casablanca. <i>Journal of Power and Energy Engineering</i> , 2016 , 04, 26-37	0.7	6
22	Experimental Study of Heat Transfer in a Real Scale Building Incorporating PCM in the Air Layer of the Vertical Walls. <i>Journal of Power and Energy Engineering</i> , 2019 , 07, 14-25	0.7	1
21	Argamassas com incorpora ß direta de Materiais de Mudan ß de Fase: Avalia ß do comportamento a baixas e elevadas temperaturas. <i>Revista Materia</i> , 2021 , 26,	0.8	
20	Passive Building Walls. 2018 , 1-37		
19	Classificaß de argamassas com incorporaß de materiais de mudanß de fase com base nas suas propriedades fßicas, mecßicas e tfmicas. <i>Revista Materia</i> , 2018 , 23,	0.8	
18	Reabilitaß trmica: Contributo das argamassas com incorporaß de material de mudanß de fase. <i>Revista Materia</i> , 2019 , 24,	0.8	
17	Sistema instrumental para estimar la relacifi de turbulencia del flujo de aire en una cuadrfiula rfiida, en funcifi de su matriz de funciones de transferencia de orden dinfinico reducido. <i>Revista De Ciencias Tecnològicas</i> , 2020 , 3, 106-119	0.1	
16	Experimental-simulation methodology for estimation of thermal parameters of adaptive facades in mild climate conditions: A water-flow glazing case study. <i>Journal of Building Engineering</i> , 2021 , 45, 103	38 ⁵ 4 ²	
15	PCMs in Building Structure. <i>Green Energy and Technology</i> , 2020 , 63-87	0.6	1

14	Effect and Mechanism of Polyethylene Glycol (PEG) Used as a Phase Change Composite on Cement Paste <i>Materials</i> , 2022 , 15,	3.5	1
13	Cement mortars with ceramic molds shells and paraffin waxes wastes: Physical and mechanical behavior. <i>Construction and Building Materials</i> , 2022 , 342, 127949	6.7	1
12	Phase change materials composite boards and mortars: Mixture design, physical, mechanical and thermal behavior. <i>Journal of Energy Storage</i> , 2022 , 53, 105135	7.8	1
11	The use of a thermal diode bridge for passive temperature control in the built environment during the heating seasons âlʿAn analytical study. 2023 , 262, 125289		O
10	Argamassas de cimento com incorpora® direta de Materiais de Mudan® de Fase. 2022 , 40-53		О
9	Influence of phase change materials on thermal comfort, greenhouse gas emissions, and potential indoor air quality issues across different climatic regions: A critical review.		O
8	A comprehensive state-of-the-art review of sustainable thermal insulation system used in external walls for reduction in energy consumption in buildings. 1-19		0
7	A reduced-scale experimental method for the thermal evaluation of building envelopes outfitted with phase change materials. 2022 , 105372		O
6	Description of phase change materials (PCMs) used in buildings under various climates: A review. 2022 , 56, 105760		2
5	A Comprehensive Review of Composite Phase Change Materials (cPCMs) for Thermal Management Applications, Including Manufacturing Processes, Performance, and Applications. 2022 , 15, 8271		1
4	Innovative PCM-incorporated foamed concrete panels for wallsâlexterior cladding: An experimental assessment in real-weather conditions. 2023 , 288, 113003		О
3	A comprehensive review of integrating phase change materials in building bricks: Methods, performance and applications. 2023 , 62, 106913		1
2	Challenges of the application of PCMs to achieve zero energy buildings under hot weather conditions: A review. 2023 , 64, 107156		О
1	Thermal energy storage methods. 2023 , 1-93		O