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**A review of solar collectors and thermal energy storage in solar thermal applications**

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#	Paper	IF	Citations
1195	Performance of a new solar air heater with packed-bed latent storage energy for nocturnal use. <i>Applied Energy</i> , <b>2013</b> , 110, 267-275	10.7	91
1194	Low and medium temperature solar thermal collector based in innovative materials and improved heat exchange performance. <b>2013</b> , 75, 118-129		16
1193	A review of studies on central receiver solar thermal power plants. <b>2013</b> , 23, 12-39		457
1192	Experimental investigation of inserts configurations and PCM type on the thermal performance of PCM based heat sinks. <i>Applied Energy</i> , <b>2013</b> , 112, 1349-1356	10.7	157
1191	Effects of relative volume-ratios on dynamic performance of a direct-heated supercritical carbon-dioxide closed Brayton cycle in a solar-thermal power plant. <b>2013</b> , 55, 1025-1032		43
1190	Design and optimization of lab-scale sensible heat storage prototype for solar thermal power plant application. <b>2013</b> , 97, 217-229		41
1189	Study on flow and heat transfer characteristics of composite porous material and its performance analysis by FSP and EDEP. <i>Applied Energy</i> , <b>2013</b> , 112, 1367-1375	10.7	28
1188	Efficient, low-cost solar thermoelectric cogenerators comprising evacuated tubular solar collectors and thermoelectric modules. <i>Applied Energy</i> , <b>2013</b> , 109, 51-59	10.7	80
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821	Carbon nanotube nanofluid in enhancing the efficiency of evacuated tube solar collector. <b>2018</b> , 121, 36-44	142
820	Evaluating thermodynamic performance limits of thermochemical energy storage subsystems using reactive perovskite oxide particles for concentrating solar power. <b>2018</b> , 167, 179-193	15
819	Optical characterization of hafnium boride and hafnium carbide-based ceramics for solar energy receivers. <b>2018</b> , 169, 111-119	18

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815	Thermal modeling and experimental evaluation of five different photovoltaic modules integrated on prototype test cells with and without water flow. <b>2018</b> , 165, 219-235	27
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808	A review on solar Rankine cycles: Working fluids, applications, and cycle modifications. <b>2018</b> , 82, 868-885	78
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805	Sulfur-based thermal energy storage system using intermodal containment: Design and performance analysis. <b>2018</b> , 128, 1009-1021	10
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802	Enhancement of spectral absorption of solar thermal collectors by bulk graphene addition via high-pressure graphite blasting. <b>2018</b> , 156, 757-764	16
801	Optimal design of PCM thermal storage tank and its application for winter available open-air swimming pool. <i>Applied Energy</i> , <b>2018</b> , 209, 224-235	10.7 40

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786	Enthalpy of fusion prediction for the economic optimisation of salt based latent heat thermal energy stores. <b>2018</b> , 20, 459-472		1
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