

# Yanping Yuan

## List of Publications by Year in Descending Order

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

183  
papers

4,736  
citations

38  
h-index

62  
g-index

196  
ext. papers

6,074  
ext. citations

6.4  
avg, IF

6.32  
L-index

| #   | Paper  | IF  | Citations |
|-----|--|-----|-----------|
| 183 | Thermo-economic analysis of geothermal heat pump system integrated with multi-modular water-phase change material tanks for underground space cooling applications. <i>Journal of Energy Storage</i> , <b>2022</b> , 45, 103726  | 7.8 | 2         |
| 182 | Experimental and analytical analysis of the impact of different base plate materials and design parameters on the performance of the photovoltaic/thermal system. <i>Renewable Energy</i> , <b>2022</b> , 187, 522-536   | 8.1 | 2         |
| 181 | Comparative numerical study of aerodynamic heating and performance of transonic hyperloop pods with different noses. <i>Case Studies in Thermal Engineering</i> , <b>2022</b> , 29, 101701   | 5.6 | 2         |
| 180 | Theoretical and numerical study of choking mechanism of fluid flow in Hyperloop system. <i>Aerospace Science and Technology</i> , <b>2022</b> , 121, 107367  | 4.9 | 2         |
| 179 | Photo-to-thermal conversion and energy storage of polyethylene glycol/copper sulfide composite PCMs. <i>Solar Energy Materials and Solar Cells</i> , <b>2022</b> , 238, 111583   | 6.4 | 3         |
| 178 | Wall-Attached Night Ventilation Combined with Phase Change Material Wallboard in Hot Summer: An Experimental Study on the Thermal Performance. <i>Journal of Thermal Science</i> , <b>2022</b> , 31, 318   | 1.9 | 1         |
| 177 | Heat pipe/phase change material coupled thermal management in Li-ion battery packs: optimization and energy-saving assessment. <i>Applied Thermal Engineering</i> , <b>2022</b> , 208, 118211  | 5.8 | 1         |
| 176 | Pollutant emission performances of improved solid fuel heating stoves and future implications in rural China. <i>Energy and Buildings</i> , <b>2022</b> , 257, 111810  | 7   | 0         |
| 175 | Performance of an Integrated Thermal Management System for helicopter. <i>Energy</i> , <b>2022</b> , 239, 122292   | 7.9 |           |
| 174 | Daylight and thermal performance of a switchable ethylene tetra-fluoro-ethylene cushion with dynamic control in different climates. <i>Building Simulation</i> , <b>2022</b> , 15, 29-40   | 3.9 | 0         |
| 173 | Peculiarities of Transformations in Systems of Coordination of Nitrate Precursors of REE and Alkali Metals During Formation of Polyfunctional Layered Oxide Materials. <i>Lecture Notes in Civil Engineering</i> , <b>2022</b> , 73-94   | 0.3 |           |
| 172 | Experimental investigation on ceiling temperature characteristics induced by weak and strong fire plumes in tunnel fires equipped with two-point extraction ventilation using smoke extraction channel. <i>Tunnelling and Underground Space Technology</i> , <b>2022</b> , 124, 104487 | 5.7 | 1         |
| 171 | The impact of oxygen content in the primary air supply on fuel burning rate and pollutant emissions in a forced-draft biomass stove. <i>Fuel</i> , <b>2022</b> , 321, 124129   | 7.1 | 1         |
| 170 | The effect of louver blinds on the wind-driven cross ventilation of multi-storey buildings. <i>Journal of Building Engineering</i> , <b>2022</b> , 104614  | 5.2 | 0         |
| 169 | Experimental and numerical investigation on a solar direct-expansion heat pump system employing PV/T & solar thermal collector as evaporator. <i>Energy</i> , <b>2022</b> , 254, 124312  | 7.9 | 2         |
| 168 | Heat pipe/phase change material thermal management of Li-ion power battery packs: A numerical study on coupled heat transfer performance. <i>Energy</i> , <b>2021</b> , 240, 122754  | 7.9 | 3         |
| 167 | Aerodynamic thermal environment around transonic tube train in choked/unchoked flow. <i>International Journal of Heat and Fluid Flow</i> , <b>2021</b> , 92, 108890  | 2.4 | 2         |

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| 166 | Balsa-based porous carbon composite phase change material with photo-thermal conversion performance for thermal energy storage. <i>Solar Energy</i> , <b>2021</b> , 230, 269-277  | 6.8  | 8  |
| 165 | Thermal performance of energy diaphragm wall (EDW) adjacent to air-conditioned space from the underground-engineering perspective. <i>Geothermics</i> , <b>2021</b> , 91, 102044  | 4.3  | 1  |
| 164 | Impact of vacuum degree on the aerodynamics of a high-speed train capsule running in a tube. <i>International Journal of Heat and Fluid Flow</i> , <b>2021</b> , 88, 108752   | 2.4  | 9  |
| 163 | A Review on the Heat Pipe Photovoltaic/Thermal (PV/T) System. <i>Journal of Thermal Science</i> , <b>2021</b> , 30, 1469-1490   | 1.9  | 1  |
| 162 | Techno-economic performances of clean heating solutions to replace raw coal for heating in Northern rural China. <i>Energy and Buildings</i> , <b>2021</b> , 240, 110881  | 7    | 18 |
| 161 | Performance analysis of photovoltaic-thermal road assisted ground source heat pump system during non-heating season. <i>Solar Energy</i> , <b>2021</b> , 221, 10-29   | 6.8  | 1  |
| 160 | Experimental investigation on the supercooling and heat conduction of sodium acetate trihydrate/copper foam/YSZ composite phase change material. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 143, 3275-3284        | 4.1  | 4  |
| 159 | Numerical simulation of smoke stratification in tunnel fires under longitudinal velocities. <i>Underground Space (China)</i> , <b>2021</b> , 6, 163-172   | 3.7  | 6  |
| 158 | Thermodynamic and economic analysis of a micro-combined polygeneration system coupled with solar energy and fuels for distributed applications. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 145, 581-595           | 4.1  | 3  |
| 157 | Sensitivity analysis of design parameters for erythritol melting in a horizontal shell and multi-finned tube system: Numerical investigation. <i>Renewable Energy</i> , <b>2021</b> , 163, 423-436  | 8.1  | 11 |
| 156 | A novel terrain adaptive omni-directional unmanned ground vehicle for underground space emergency: Design, modeling and tests. <i>Sustainable Cities and Society</i> , <b>2021</b> , 65, 102621   | 10.1 | 1  |
| 155 | A novel kinetic energy harvester using vibration rectification mechanism for self-powered applications in railway. <i>Energy Conversion and Management</i> , <b>2021</b> , 228, 113720  | 10.6 | 11 |
| 154 | Feasibility study on temperature control with phase change material in intensive heat-releasing space during emergency power failure: A case analysis of information system room. <i>Energy and Buildings</i> , <b>2021</b> , 230, 110482 | 7    | 2  |
| 153 | 10-year simulation of photovoltaic-thermal road assisted ground source heat pump system for accommodation building heating in expressway service area. <i>Solar Energy</i> , <b>2021</b> , 215, 459-472                                   | 6.8  | 5  |
| 152 | A High-Efficiency, Portable Solar Energy-Harvesting System Based on a Foldable-Wings Mechanism for Self-Powered Applications in Railways. <i>Energy Technology</i> , <b>2021</b> , 9, 2000794   | 3.5  | 9  |
| 151 | Thermal properties of biomass-based form-stable phase change material for latent heat thermal energy storage. <i>International Journal of Energy Research</i> , <b>2021</b> , 45, 20372   | 4.5  | 1  |
| 150 | Mathematical and experimental evaluation of a mini-channel PV/T and thermal panel in summer mode. <i>Solar Energy</i> , <b>2021</b> , 224, 401-410  | 6.8  | 5  |
| 149 | Operation performance test and energy efficiency analysis of ground-source heat pump systems. <i>Journal of Building Engineering</i> , <b>2021</b> , 41, 102446   | 5.2  | 4  |

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|-----|---|------|----|
| 148 | A review on the influence of the components on the performance of PVT modules. <i>Solar Energy</i> , <b>2021</b> , 226, 365-388   | 6.8  | 4  |
| 147 | Interactions between the Built Environment and the Energy-Related Behaviors of Occupants in Government Office Buildings. <i>Sustainability</i> , <b>2021</b> , 13, 10607                                      | 3.6  | 1  |
| 146 | Effects of in-situ bismuth catalyst electrodeposition on performance of vanadium redox flow batteries. <i>Journal of Power Sources</i> , <b>2021</b> , 506, 230238  | 8.9  | 3  |
| 145 | Phytoremediation of formaldehyde by the stems of <i>Epipremnum aureum</i> and <i>Rohdea japonica</i> . <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 1                                  | 5.1  | 0  |
| 144 | Multi-energy driven form-stable phase change materials based on SEBS and reduced graphene oxide aerogel. <i>Solar Energy Materials and Solar Cells</i> , <b>2021</b> , 233, 111390                            | 6.4  | 4  |
| 143 | Numerical analysis of the aerothermodynamic behavior of a Hyperloop in choked flow. <i>Energy</i> , <b>2021</b> , 237, 121427   | 7.9  | 7  |
| 142 | Analysis on the power and bandwidth improvement of a frequency-tuning optimized SECE circuit. <i>Sensors and Actuators A: Physical</i> , <b>2021</b> , 332, 113110  | 3.9  | 1  |
| 141 | Polyethylene glycolBased functional composite phase change materials with excellent electrical and thermal conductivities. <i>International Journal of Energy Research</i> , <b>2021</b> , 45, 7675-7688      | 4.5  | 1  |
| 140 | An Aerothermal Study of Influence of Blockage Ratio on a Supersonic Tube Train System. <i>Journal of Thermal Science</i> , <b>2020</b> , 1  | 1.9  | 13 |
| 139 | Aerodynamics of railway train/tunnel system: A review of recent research. <i>Energy and Built Environment</i> , <b>2020</b> , 1, 351-375  | 6.3  | 27 |
| 138 | Photo-to-thermal conversion and energy storage of lauric acid/expanded graphite composite phase change materials. <i>International Journal of Energy Research</i> , <b>2020</b> , 44, 8555-8566               | 4.5  | 13 |
| 137 | Effect of arrangement and quantity of <i>epipremnum aureum</i> on work efficiency and subjective perceptions. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 17804-17814             | 5.1  | 1  |
| 136 | Numerical analysis on the thermal performance of capillary heat exchange system in metro running tunnel. <i>Energy and Built Environment</i> , <b>2020</b> , 1, 207-214                                       | 6.3  | 7  |
| 135 | Thermal and electrical performance of a novel photovoltaic-thermal road. <i>Solar Energy</i> , <b>2020</b> , 199, 1-18  | 6.8  | 14 |
| 134 | Computer modelling and experimental investigation of phase change hysteresis of PCMs: The state-of-the-art review. <i>Applied Energy</i> , <b>2020</b> , 263, 114572  | 10.7 | 33 |
| 133 | Comparison of optimal oriented facade integrated solar cooling systems in Australian climate zones. <i>Solar Energy</i> , <b>2020</b> , 198, 385-398  | 6.8  | 7  |
| 132 | A High-Efficiency, Portable, Solar-Powered Cooling System Based on a Foldable-Flower Mechanism and Wireless Power Transfer Technology for Vehicle Cabins. <i>Energy Technology</i> , <b>2020</b> , 8, 2000028 | 3.5  | 8  |
| 131 | An electro-mechanical braking energy recovery system based on coil springs for energy saving applications in electric vehicles. <i>Energy</i> , <b>2020</b> , 200, 117472                                     | 7.9  | 11 |

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|-----|--|------|----|
| 130 | Thermal performance of triplex-tube latent heat storage exchanger: simultaneous heat storage and hot water supply via condensation heat recovery. <i>Renewable Energy</i> , <b>2020</b> , 157, 616-625                           | 8.1  | 10 |
| 129 | A thermal comfort field study on subway passengers during air-conditioning season in Beijing. <i>Sustainable Cities and Society</i> , <b>2020</b> , 61, 102218   | 10.1 | 12 |
| 128 | Thermal performance of helicopter air conditioning system with lube oil source (LOS) heat pump. <i>Energy</i> , <b>2020</b> , 190, 116446  | 7.9  | 3  |
| 127 | Thermal properties and crystallization kinetics of pentaglycerine/graphene nanoplatelets composite phase change material for thermal energy storage. <i>International Journal of Energy Research</i> , <b>2020</b> , 44, 448-459 | 4.5  | 8  |
| 126 | Friction-Load Relationship in the Adhesive Regime Revealing Potential Incapability of AFM Investigations. <i>Tribology Letters</i> , <b>2020</b> , 68, 1   | 2.8  | 5  |
| 125 | Air quality control in mine refuge chamber with ventilation through pressure air pipeline. <i>Chemical Engineering Research and Design</i> , <b>2020</b> , 135, 46-58  | 5.5  | 5  |
| 124 | Optimization of falling film thermosyphons bundle arrangement for large-scale cooling applications by genetic algorithm. <i>Applied Thermal Engineering</i> , <b>2020</b> , 169, 114892  | 5.8  | 3  |
| 123 | Potential for energy conservation: A portable desktop paper reusing system for office waste paper. <i>Energy and Built Environment</i> , <b>2020</b> , 1, 165-177  | 6.3  | 0  |
| 122 | Theoretical and experimental study of a novel solar indirect-expansion heat pump system employing mini channel PV/T and thermal panels. <i>Renewable Energy</i> , <b>2020</b> , 151, 674-686                                     | 8.1  | 12 |
| 121 | A novel oscillating buoy wave energy harvester based on a spatial double X-shaped mechanism for self-powered sensors in sea-crossing bridges. <i>Energy Conversion and Management</i> , <b>2020</b> , 204, 112286                | 10.6 | 24 |
| 120 | Numerical investigations of effects of the interdigitated channel spacing on overall performance of vanadium redox flow batteries. <i>Journal of Energy Storage</i> , <b>2020</b> , 32, 101781                                   | 7.8  | 9  |
| 119 | Buried water-phase change material storage for load shifting: A parametric study. <i>Energy and Buildings</i> , <b>2020</b> , 227, 110428  | 7    | 1  |
| 118 | Correlations for the forced convective heat transfer at a windward building façade with exterior louver blinds. <i>Solar Energy</i> , <b>2020</b> , 209, 709-723   | 6.8  | 1  |
| 117 | Micro-Channel Heat Sink: A Review. <i>Journal of Thermal Science</i> , <b>2020</b> , 29, 1431-1462   | 1.9  | 13 |
| 116 | Melting and solidification performance in two horizontal shell-and-tube heat exchangers with different structures. <i>International Journal of Energy Research</i> , <b>2020</b> , 44, 11288-11301                               | 4.5  | 2  |
| 115 | High-energy orbit attainment of a nonlinear beam generator by adjusting the buckling level. <i>Sensors and Actuators A: Physical</i> , <b>2020</b> , 312, 112164   | 3.9  | 8  |
| 114 | Dynamic Heating System of Multiphase Flow Digester by Solar-Untreated Sewage Source Heat Pump. <i>International Journal of Photoenergy</i> , <b>2020</b> , 2020, 1-15  | 2.1  |    |
| 113 | Flue Gas Water Recovery by Indirect Cooling Technology for Large-Scale Applications: A Review. <i>Journal of Thermal Science</i> , <b>2020</b> , 29, 1223-1241   | 1.9  | 8  |

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| 112 | Operational performance of a novel heat pump coupled with mini-channel PV/T and thermal panel in low solar radiation. <i>Energy and Built Environment</i> , <b>2020</b> , 1, 50-59  | 6.3  | 31 |
| 111 | A high-efficiency regenerative shock absorber considering twin ball screws transmissions for application in range-extended electric vehicles. <i>Energy and Built Environment</i> , <b>2020</b> , 1, 36-49                              | 6.3  | 27 |
| 110 | Functional phase change composites with highly efficient electrical to thermal energy conversion. <i>Renewable Energy</i> , <b>2020</b> , 145, 2629-2636  | 8.1  | 20 |
| 109 | Numerical simulation and experimental validation of a micro-channel PV/T modules based direct-expansion solar heat pump system. <i>Renewable Energy</i> , <b>2020</b> , 145, 1992-2004  | 8.1  | 39 |
| 108 | Synthesis and thermal properties of nanoencapsulation of paraffin as phase change material for latent heat thermal energy storage. <i>Energy and Built Environment</i> , <b>2020</b> , 1, 410-416                                       | 6.3  | 31 |
| 107 | A hierarchical interdigitated flow field design for scale-up of high-performance redox flow batteries. <i>Applied Energy</i> , <b>2019</b> , 238, 435-441   | 10.7 | 78 |
| 106 | Investigation of energy performance and operational schemes of a Tibet-focused PCM-integrated solar heating system employing a dynamic energy simulation model. <i>Energy</i> , <b>2019</b> , 172, 141-154                              | 7.9  | 13 |
| 105 | Thermal and infrared camouflage performance of earth-air heat exchanger for cooling an underground diesel generator room for protective engineering. <i>Sustainable Cities and Society</i> , <b>2019</b> , 47, 101437                   | 10.1 | 12 |
| 104 | Biogas Production and Heat Transfer Performance of a Multiphase Flow Digester. <i>Energies</i> , <b>2019</b> , 12, 1960   | 3.1  | 10 |
| 103 | Experimental Investigation on Performance Comparison of Solar Water Heating-Phase Change Material System and Solar Water Heating System. <i>Energies</i> , <b>2019</b> , 12, 2347   | 3.1  | 4  |
| 102 | Thermal performance of a heating system combining solar air collector with hollow ventilated interior wall in residential buildings on Tibetan Plateau. <i>Energy</i> , <b>2019</b> , 182, 93-109                                       | 7.9  | 17 |
| 101 | A Study on Ceiling Temperature Distribution and Critical Exhaust Volumetric Flow Rate in a Long-Distance Subway Tunnel Fire with a Two-Point Extraction Ventilation System. <i>Energies</i> , <b>2019</b> , 12, 1411                    | 3.1  | 10 |
| 100 | A portable renewable wind energy harvesting system integrated S-rotor and H-rotor for self-powered applications in high-speed railway tunnels. <i>Energy Conversion and Management</i> , <b>2019</b> , 196, 56-68                       | 10.6 | 57 |
| 99  | Numerical study on the impact of Mach number on the coupling effect of aerodynamic heating and aerodynamic pressure caused by a tube train. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , <b>2019</b> , 190, 100-111 | 3.7  | 41 |
| 98  | Household appliance recognition through a Bayes classification model. <i>Sustainable Cities and Society</i> , <b>2019</b> , 46, 101393  | 10.1 | 14 |
| 97  | Thermal performance of a mine refuge chamber with human body heat sources under ventilation. <i>Applied Thermal Engineering</i> , <b>2019</b> , 162, 114243   | 5.8  | 7  |
| 96  | Theoretical analysis of a solar-powered multi-effect distillation integrated with concentrating photovoltaic/thermal system. <i>Desalination</i> , <b>2019</b> , 468, 114074  | 10.3 | 9  |
| 95  | A high efficiency electric heater based on dual-helical tube and screw-tape for instant water heating. <i>Applied Thermal Engineering</i> , <b>2019</b> , 160, 114018   | 5.8  | 4  |

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| 94 | Simultaneous charging and discharging of phase change materials: Development of correlation for liquid fraction. <i>Solar Energy</i> , <b>2019</b> , 188, 788-798   | 6.8  | 13  |
| 93 | Experimental and numerical investigation on dodecane/expanded graphite shape-stabilized phase change material for cold energy storage. <i>Energy</i> , <b>2019</b> , 189, 116175  | 7.9  | 28  |
| 92 | A high-efficiency multidirectional wind energy harvester based on impact effect for self-powered wireless sensors in the grid. <i>Smart Materials and Structures</i> , <b>2019</b> , 28, 115022   | 3.4  | 24  |
| 91 | Opportunities and challenges of PCM-to-air heat exchangers (PAHXs) for building free cooling applications—A comprehensive review. <i>Journal of Energy Storage</i> , <b>2019</b> , 22, 157-175  | 7.8  | 49  |
| 90 | Investigation on the thermal performance of the diaphragm wall in deep buried engineering: a simulation study. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 609, 052040  | 0.4  |     |
| 89 | Energy Performance of an Encapsulated Phase Change Material PV/T System. <i>Energies</i> , <b>2019</b> , 12, 3929   | 3.1  | 7   |
| 88 | Flow field around a surface-mounted cubic building with louver blinds. <i>Building Simulation</i> , <b>2019</b> , 12, 141-151   | 3.9  | 8   |
| 87 | Thermal performance of stearic acid/carbon nanotube composite phase change materials for energy storage prepared by ball milling. <i>International Journal of Energy Research</i> , <b>2019</b> , 43, 6327-6336                                   | 4.5  | 15  |
| 86 | Prediction of the solid effective thermal conductivity of fatty acid/carbon material composite phase change materials based on fractal theory. <i>Energy</i> , <b>2019</b> , 170, 752-762   | 7.9  | 19  |
| 85 | Improvement of supercooling and thermal conductivity of the sodium acetate trihydrate for thermal energy storage with Fe <sub>2</sub> O <sub>3</sub> as additive. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2018</b> , 133, 859-867 | 4.1  | 28  |
| 84 | Simultaneous decrease in supercooling and enhancement of thermal conductivity of paraffin emulsion in medium temperature range with graphene as additive. <i>Thermochimica Acta</i> , <b>2018</b> , 664, 16-25                                    | 2.9  | 10  |
| 83 | Thermodynamic analysis of a novel sodium hydroxide-water solution absorption refrigeration, heating and power system for low-temperature heat sources. <i>Applied Energy</i> , <b>2018</b> , 222, 1-12  | 10.7 | 6   |
| 82 | Effect of natural convection on melting performance of eccentric horizontal shell and tube latent heat storage unit. <i>Sustainable Cities and Society</i> , <b>2018</b> , 38, 571-581  | 10.1 | 51  |
| 81 | Human responses to high air temperature, relative humidity and carbon dioxide concentration in underground refuge chamber. <i>Building and Environment</i> , <b>2018</b> , 131, 53-62   | 6.5  | 35  |
| 80 | Coupled cooling method and application of latent heat thermal energy storage combined with pre-cooling of envelope: Optimization of pre-cooling with intermittent mode. <i>Sustainable Cities and Society</i> , <b>2018</b> , 38, 370-381         | 10.1 | 12  |
| 79 | Latent Heat Thermal Energy Storage Systems with Solid-Liquid Phase Change Materials: A Review. <i>Advanced Engineering Materials</i> , <b>2018</b> , 20, 1700753  | 3.5  | 177 |
| 78 | A high-efficiency road energy harvester based on a chessboard sliding plate using semi-metal friction materials for self-powered applications in road traffic. <i>Energy Conversion and Management</i> , <b>2018</b> , 165, 748-760               | 10.6 | 30  |
| 77 | Techno-economic analysis of a solar photovoltaic/thermal (PV/T) concentrator for building application in Sweden using Monte Carlo method. <i>Energy Conversion and Management</i> , <b>2018</b> , 165, 8-24                                       | 10.6 | 62  |

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| 76 | Numerical investigation on optimal number of longitudinal fins in horizontal annular phase change unit at different wall temperatures. <i>Energy and Buildings</i> , <b>2018</b> , 158, 384-392                                | 7    | 68  |
| 75 | Coupled cooling method for multiple latent heat thermal storage devices combined with pre-cooling of envelope: Model development and operation optimization. <i>Energy</i> , <b>2018</b> , 159, 508-524                        | 7.9  | 7   |
| 74 | Effect of train length on fluctuating aerodynamic pressure wave in tunnels and method for determining the amplitude of pressure wave on trains. <i>Tunnelling and Underground Space Technology</i> , <b>2018</b> , 80, 277-289 | 5.7  | 32  |
| 73 | Flexible phase change materials for thermal storage and temperature control. <i>Chemical Engineering Journal</i> , <b>2018</b> , 353, 920-929  | 14.7 | 45  |
| 72 | Energy-Saving Analysis of Solar Heating System with PCM Storage Tank. <i>Energies</i> , <b>2018</b> , 11, 237  | 3.1  | 16  |
| 71 | A renewable low-frequency acoustic energy harvesting noise barrier for high-speed railways using a Helmholtz resonator and a PVDF film. <i>Applied Energy</i> , <b>2018</b> , 230, 52-61                                       | 10.7 | 71  |
| 70 | Evaluation of climatic zones and field study on thermal comfort for underground engineering in China during summer. <i>Sustainable Cities and Society</i> , <b>2018</b> , 43, 421-431  | 10.1 | 9   |
| 69 | Numerical analysis of aerodynamic characteristics of high-speed train with different train nose lengths. <i>International Journal of Heat and Mass Transfer</i> , <b>2018</b> , 127, 188-199                                   | 4.9  | 58  |
| 68 | A novel hybrid energy system combined with solar-road and soil-regenerator: Sensitivity analysis and optimization. <i>Renewable Energy</i> , <b>2018</b> , 129, 419-430  | 8.1  | 20  |
| 67 | Polyethylene Glycol/CaCl <sub>2</sub> Coordination Compounds as a Novel Form-Stable Phase Change Material with Excellent Thermophysical Properties. <i>Advanced Engineering Materials</i> , <b>2018</b> , 20, 1700643          | 3.5  | 8   |
| 66 | Experimental investigation on performance comparison of PV/T-PCM system and PV/T system. <i>Renewable Energy</i> , <b>2018</b> , 119, 152-159  | 8.1  | 119 |
| 65 | A novel form-stable phase change composite with excellent thermal and electrical conductivities. <i>Chemical Engineering Journal</i> , <b>2018</b> , 336, 342-351  | 14.7 | 43  |
| 64 | A novel hybrid energy system combined with solar-road and soil-regenerator: Dynamic model and operational performance. <i>Energy Conversion and Management</i> , <b>2018</b> , 156, 376-387                                    | 10.6 | 29  |
| 63 | A Review on Recent Development of Cooling Technologies for Concentrated Photovoltaics (CPV) Systems. <i>Energies</i> , <b>2018</b> , 11, 3416  | 3.1  | 22  |
| 62 | Ultrasonic enhancement on heat transfer of palmitic-stearic acid as PCM in unit by experimental study. <i>Sustainable Cities and Society</i> , <b>2018</b> , 43, 532-537   | 10.1 | 14  |
| 61 | A comprehensive review on laminar spherically premixed flame propagation of syngas. <i>Fuel Processing Technology</i> , <b>2018</b> , 181, 97-114  | 7.2  | 36  |
| 60 | Thermal performance analysis of an underground closed chamber with human body heat sources under natural convection. <i>Applied Thermal Engineering</i> , <b>2018</b> , 145, 453-463   | 5.8  | 9   |
| 59 | A Novel Solid-Solid Phase Change Material: Pentaglycerine/Expanded Graphite Composite PCMs. <i>Advanced Engineering Materials</i> , <b>2018</b> , 20, 1800237  | 3.5  | 14  |



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| 58 | A high-efficiency energy regenerative shock absorber using helical gears for powering low-wattage electrical device of electric vehicles. <i>Energy</i> , <b>2018</b> , 159, 361-372   | 7.9  | 42 |
| 57 | Coupled cooling method and application of latent heat thermal energy storage combined with pre-cooling of envelope: Temperature control using phase-change chair. <i>Sustainable Cities and Society</i> , <b>2018</b> , 42, 38-51  | 10.1 | 8  |
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